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Orebody characterisation and structural features that govern copper and cobalt mineralisation in the eastern limb of the Lufilian Arc, Democratic Republic of Congo



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A dissertation submitted to the Faculty of Science, University of the Witwatersrand, in fulfilment of the requirements for the degree of Master of Science (by dissertation).

Declaration

I declare that this dissertation is my own, unaided work. It is being submitted for the Degree of Master in Science at the University of the Witwatersrand, Johannesburg. It has not been submitted before for any degree or examination in any other University.

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Signature of Candidate

_____29_____ day of _____August_____ 2014

Abstract

The Central African Copperbelt is located in the Lufilian Arc which straddles the border between Zambia and the Democratic Republic of Congo (DRC). Mineralisation of the cupriferous Arc is found in basal Neoproterozoic Katangan Supergroup sedimentary rocks, which in DRC are termed the Mines Series Subgroup. The Mines Series is divided into the dolomitic and carbonaceous GRAT, DStrat RSF, RSC, SD and CMN units. The composition of the units is homogeneous across the Lubumbashi district and potentially across the Katangan basin. This study focussed on the Kinsevere and Ruashi deposits in the Lubumbashi district, which are approximately 50 km apart.

The study confirmed that relative eustatic sea level changes resulted in the non-deposition of the RSF and RSC stratigraphic units at Kinsevere. Sedimentation was followed by early pervasive potassic alteration and silicification at the diagenetic stage whilst a magnesian dolomitisation event resulted in alteration of potassic feldspars and recrystallisation of carbonates. Albitisation was vein-controlled and late-stage scapolitisation altered evaporitic nodules. Finally, haematisation by late iron-rich fluids circulating through the Roan Group strata resulted in oxidation of sulphides.

The structural analysis of Kinsevere Central pit indicates E-W and N-S shortening whereas the Ruashi pit 1 deposit underwent NE-SW and N-S shortening. Initial shortening, associated with Kolwezian deformation (D1), resulted in the formation of NE-thrust folds and a primary set of joints. The Kolwezian deformation event (D2), reoriented the shortening direction from E-W to N-S, creating interference folds and possibly a second set of joints. The final phase in the structural evolution of the Kinsevere and Ruashi deposits was late-stage brittle deformation (faulting).

Mineralisation was a multi-stage process. Disseminated chalcopyrite and carrollite were deposited from formation waters during diagenesis in a stable basin environment. Chalcopyrite, carrollite, chalcocite and bornite are predominantly located at the base of the DStrat, whereas chalcopyrite and pyrite dominate the stratigraphically higher portions of the deposits. Hypogene vein mineralisation began at the syn- to late- orogenic stage with carrollite and chalcopyrite in bedding-parallel veins. Possible changes in the compression direction created the perpendicularly oriented veins that host chalcopyrite, carrollite, bornite, covellite, digenite and chalcocite. Finally a late stage of chalcopyrite and pyrite deposition occurred in and around the evaporites, indicating a strong correlation between mineralisation, evaporites and scapolitisation.

Near-surface supergene alteration of hypogene sulphide ores, resulted in Cu-Co carbonates and oxides, such as malachite, azurite, cobaltiferous malachite, chrysocolla, kolwezite and sphaerocobaltite being deposited in vugs and pore spaces above the meteoric water line. Faulted and brecciated zones tend to have deeper supergene alteration. Between the sulphide facies at depth and the supergene oxide facies at surface is a transition zone which marks the depth to which oxidation has penetrated.

Sulphur isotope analysis from the Kinsevere and Ruashi deposits suggests a sulphur contribution from a continental Red-Bed sedimentary source and from an evaporitic source.

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List of Figures

Figure 1.1: Stratigraphy of the Katangan Supergroup illustrating the tectonic events and their respective ages. The Grand and Petit Conglomèrat (blue lines) units are located between the Roan and Nguba Groups and the Nguba and Kundelungu Groups respectively (modified after Cailteux *et al.,* 2005).

Figure 1.2: Cratonic assembly of Gondwana after Gray *et al.,* 2007. The Lufilian Arc and Damara orogeny are located between the same cratons (Congo and Kalahari) and may therefore share the same, or similar, mineralisation styles and tectono-sedimentary evolution.

Figure 1.3: Position of Neoproterozoic fold belts and magmatic arcs between the various cratonic blocks of south-western Gondwana (modified from Gaucher *et al.,* 2009). The timing of basin opening and closure in each belt is indicated respectively. CDPT Cuchilla Dionsio-Pelotas Terrane, CFT Cabo Frı´o Terrane, CT Coastal Terrane, CUT Curitiba Terrane, LAT Luis Alves Terrane, MT Marmora Terrane, SM/OT Serra do Mar-Oriental Terrane, PSZ Purros Shear Zone, SBSZ Sierra Ballena Shear Zone and CSZ Colenso Shear Zone.

Figure 1.4: The Lufilian Arc illustrating the Inner zone, Domes region, Fold and Thrust belt and the Kundelungu foreland (after Swart and Drysdall, 1964., Cailteux and Kampunzu, 1999 and Kipata *e. al.,* 2013). The yellow star marks the location of Lubumbashi which is the district in which the project is focused (modified from Lepersonne, 1974)

Figure 1.5: Illustration of the evolution of the Lufilian arc and Katanga basin from 820 Ma (Neoproterozoic) to the ≈ 580-520 Ma (Lufilian Orogeny) (after El Desouky *et al.,* 2010).

Figure 1.6: The evolution of the Damara Orogen (modified after Gray *et al.,* 2007) A) 1000 - 750 Ma – Initial Rifting of the Cratons occurred marking the first deformation event (D1). B) 750- 700 Ma – Further rifting and deepening of the developing basin. This continuation of the rifting stage formed the Khomas Ocean and deposited deep basin sediments such as carbonates and fine silts. C) 550 Ma – extensional system changes to a compressive system. This marks the second deformation event (D2) where the mature marine sediments are deformed in such a way that bidirectional fabrics are observed as a result of crustal resistances. D). 550 - 520 Ma – Continued compression as a result of the inter-cratonic collision and the start of the first metamorphic event. E) 520 - 500 Ma – Mineralisation of uranium, tin, gold, tungsten, tantalum-bearing granitic intrusions form the third deformation event (D3).

Figure 1.7: Location of the respective pits in the Lubumbashi district. KInsevere is approximately 50 km north of Lubumbashi and Ruashi is in Lubumbashi itself.

Figure 2.2: Stratigraphy of the Neoproterozoic Katanga Supergroup (after Kampunzu *et al.,* 2009). The Dolomitic Shales formation is more commonly known as the SD and the Kambove Formation hosts the thinly laminated dolomitic shale of the CMN at the basal contact with the dolomitic shales of the SD. R, Ng, and Ku are the codes for Roan, Nguba, and Kundelungu Groups, respectively in The DRC. RL and RU are codes for Lower Roan and Upper Roan, respectively, in Zambia.

Figure 2.2: Geological map of the Kinsevere Mining prospect with the Tshifufia Mashi and Tshifufia Central pits overlain on the topography, illustrating where the Kinsevere and Mashi pits are situated relative to the stratigraphy (modified after the AMCK Mining geological map, 2008). The Kinsevere prospect illustrates the east-west trending faults that are preserved in the pit, together with the larger scale reverse faults in the north-northeast of the pit.

Figure 3.3: Waypoint locations of observations and structural measurements in the Kinsevere Central pit from which maps and stratigraphic characteristics were made.

Figure 2.4: Geological map of the Kinsevere pit. A dominant syncline trending N-S is present in conjunction with an open fold trending E-W. The pit has a large scale fault trending NW-SE that disjoints the layers in a dextral fashion. The general orientation of the bedding planes in the Central pit is roughly N-S

Figure 2.5: Stratigraphic units and some characteristic features from the Kinsevere Central Pit. A) The Grey RAT, which is highly brecciated and has small interstitial specular haematite (GPS: WGS84 35 S. 0562470; 8743950). B) Pitted surface on the DStrat unit. The cubic shapes of the pits possibly indicate the presence of pyrite/carrollite in the unit which has been weathered out (GPS: WGS84 35 S. 0562199; 8743856). C) The laminar nature of the DStrat, which has undergone alteration to a large degree, has bands of purple and red layers (GPS: WGS84 35 S. 0562301; 8743839). D) Tightly folded suspected RSF unit with no visible mineralisation (GPS: WGS84 35 S. 0562078; 8743917). E) Image of the SD unit with malachite in the bedding planes. The SD unit is host to the majority of the mineralisation within the pit (GPS: WGS84 35 S. 0562241; 8743815. F) Black ferromanganese precipitate that forms on the exposed surfaces of CMN (GPS: WGS84 35 S. 0562505; 8744304). G) Stockwork type brecciation in the CMN which is unmineralised (GPS: WGS84 35 S. 0562114; 8744174). The CMN is notably more oxidised, with an intense red colour, compared to other units from the Mines Series.

Figure 2.6: A) An upward fining sequence of SD that has been overturned (GPS: WGS84 35 S. 0562245; 8744095). B) Larger scale representation of the overturned bedding planes in picture A. Because of the state of the sub-vertical bedding, it is common for the bedding to be overturned in parts. B) The green, dark blue and blue coloured strata represent a progressively upward fining sequence.

Figure 2.7: The 3D interpretation of the lithologies from the Mines Series Group in Ruashi pit 1 (after Williams *et al.,* 2008). The red unit represents the RAT breccia, dark blue the MV (massive siltstone), green the DStrat, light blue the RSF, orange the RSC and the brown is CMN (Williams *et. al.,* 2010).

Figure 2.8: General stratigraphy of the Ruashi mine, (after Williams *et al.,* 2008). The field "System" refers to the Supergroup and "Series" refers to the Group.

Figure 2.9: Waypoint localities where observation and structural measurements were made in Ruashi pit 1.

Figure 2.10: Geological map of Ruashi Pit 1. The orientation of the bedding planes is predominantly WNW-ESE, with a sub-vertical dip. There is a series of smaller folds that occur parallel to the large central antiformal syncline

Figure 2.11: The different lithologies from the Ruashi pit. A) RAT from Ruashi with clasts that are generally well rounded and randomly assorted in this breccia. The RAT forms the base of the mineralised orebody (GPS: WGS84 35 S. 0558766; 8715532). B) Minor specularite in the Ruashi pit seen in the RAT. The RAT is a highly oxidised and iron laden unit (GPS: WGS84 35 S. 0558798; 8715538). C) Evaporite nodule in the silicified DStrat from the sulphide facies (GPS: WGS84 35 S. 0559121; 8715355). The nodule is rimmed by a late phase of pyrite and chalcopyrite. D) MV unit showing heterogenite, which has been concluded to be a heterogenite cap on an altered DStrat unit (GPS: WGS84 35 S. 0559214; 8715303). E) Sample of RSC with a large degree of calcite replacement (GPS: WGS84 35 S. 0558812; 8715540). F) RSC unit with lenses of silicified dolomite and calcite with minor primary mineralisation (GPS: WGS84 35 S. 0558815; 8715561). G) SD showing oxidation of primary copper sulphides into malachite and minor heterogenite from the oxide facies due to supergene alteration (GPS: WGS84 35 S. 0558815; 8715547). H) The contorted beds of the CMN. The CMN is poorly mineralised and marks the top of the mineralised orebody (GPS: WGS84 35 S. 0558837; 8715580).

Figure 2.12: Stratigraphic units from Ruashi Pit 1. A) Transition Zone between the oxide and sulphide facies is marked by an increase in the organic carbon content (GPS: WGS84 35 S. 0558952; 8715422). The transition zone is marked by a black alteration of the rock, regardless of composition. B) Fragment of DStrat with bedding-parallel and bedding-perpendicular veins (GPS: WGS84 35 S. 0559134; 8715344)). The veins are mineralised by coarse-grained carrollite and chalcopyrite. C) Disseminated copper sulphide mineralisation in evaporite nodules within DStrat and RSF (GPS: WGS84 35 S. 0559121; 8715355). D) Evaporitic nodules in RSC with rims of chalcopyrite and pyrite (GPS: WGS84 35 S. 0559037; 8715374). E) The SD unit with perpendicularly oriented chalcopyrite and pyrite-bearing vein cross-cutting the bedding planes (GPS: WGS84 35 S. 0558832; 8715562). F) SD unit with disseminated pyrite from the Transition Zone (GPS: WGS84 35 S. 0558909; 8715498).

Figure 2.13: Stability fields of goethite and hematite as a function of temperature and H_2O pressure (after Catling and Moore, 2003). For most geological situations the H_2O pressure can be taken as being approximately equal to the lithostatic pressure. On the right, the equivalent subsurface depth is shown. At depth, hydrous iron oxides (typified by goethite) recrystallise to coarsely crystalline hematite due to heating.

Figure 3.1: A cross section through the Lufilian Arc from Zambia to DRC (modified after Selley *et al.,* 2005; Porada, 1989). The cross section illustrates a regional detachment between the Palaeo- and Meso- Proterozoic basement and the Roan Group as well as the autochthonous and allochthonous nature of the Zambian and Congolese stratigraphy respectively.

Figure 3.2: Geological map illustrating the location of the Kinsevere and the Ruashi mines, modified after Williams *et al., (*2008). The folds identified on the map are doubly plunging as a result of poly-directional deformation. From this map the Ruashi mine is seen to be situated on an antiformal syncline.

Figure 3.3: Type 1 interference folding (after Ramsay and Huber, 1987). Type 1 interference folding results in dome-basin patterns after two phases of deformation. A) Initial phase of deformation resulting in a fold. B) Second phase of deformation oriented perpendicularly to original compressive stress. C) Resultant fold interference pattern

Figure 3.4: Anderson's classification of faults represents a normal fault, reverse/thrust fault and strike-slip fault commonly found in or near the Earth's surface (Anderson, 1942). The principle stress directions are represented as follows: maximum compressive stress (P_{max}), intermediate stress (P_{int}) and the least compressive stress (P_{min}). The principle stress directions are oriented in their respective reference planes according to which fault system they are describing.

Figure 3.5: Cross section of the northern wall, looking north. The cross section demonstrates the variable dip direction and dip angle of the bedding planes within the SD and CMN lithologies.

Figure 3.6: Bedding planes for the Kinsevere Central pit. A) The stereoplots for the majority of bedding planes represent a steeply dipping, broadly N-S striking orientation. The bedding dips steeply towards either the west or east due to folding. B) Stereoplot of poles to bedding planes which illustrates the variability of the outliers as well as a strong orientation of planes around N-S axis.

Figure 3.7: Syncline from Block 1 with its respective bedding plane measurements. The bedding orientations for the fold limbs are 160°/82°/E and 159°/35°/W. The shortening direction is suspected to be oriented SW-NE. The axial plane (dotted line) is estimated to be moderately SW dipping

Figure 3.8: Stereoplot of the great circles that make up the syncline and the poles to bedding planes from Block 1, Kinsevere Central pit. A) Stereonet illustrating a number of NE and SW dipping planes that have variable dip angles between 35° and 72°. The fold axis (FA) constructed from the intersection point between the bedding planes is consistent to the fold axis measured in the field at 06° towards 166°. B) Poles to the respective bedding planes of the fold limbs for the syncline are dispersed in a poorly formed girdle that is compatible with the SSE trending fold axis.

Figure 3.9: Open anticline in the SD and CMN from Block 2. The bedding planes on the respective limbs dip SW and NW, forming an open anticline with an E-W trending fold axis. The shortening axis appears to be N-S.

Figure 3.10: Stereoplot for the anticline in Block 2 Kinsevere Central pit. The great circles form the respective limbs of the anticline. The intersection point between the respective great circles marks the orientation of the fold axis (FA), diagrammatically determined to be WSW. Field measurements further define the fold axis to have an azimuth of 252° and plunge at 54°.

Figure 3.11: Stereoplot of joint planes from Kinsevere Central pit. A) The stereoplot represents all the joint planes for Kinsevere Central pit. B).The primary joint set has been separated out, illustrating the majority of the joints are oriented WNW-ESE, and moderately steep dipping to the north and south. The spurious planes possibly represent errors and the incorrect classification of these planes as joints C) The second joint set is N-S striking and dipping moderately east. The primary planes form a girdle, indicated between the solid blue lines,

attributed to rotation about a fold axis oriented E-W. D) The poles to joint planes have been plotted to illustrate the girdle made by the primary joint set during refolding.

Figure 3.12: Stereoplots of the veins from Kinsevere Central pit. A) The unmineralised veins in Kinsevere Central pit strike E-W and dip to the south. B) The mineralised veins have been separated and illustrate the same E-W strike and S dipping characteristics as the unmineralised planes. The mineralised and unmineralised veins have the same orientations and possibly indicate multiple phases of vein intrusions.

Figure 3.13: Stereoplot of the poles to fault planes in Kinsevere Central pit. A) The poles to fault planes from Block 1. B) The poles to fault planes from Block 2 represent three faults sets that are moderately dipping to the SW, N and SE respectively. C) Stereonet illustrating the sparse distribution of the poles representing predominantly N-dipping faults from Block 1. D) Stereonet illustrating the SW, SE and N dipping faults as poles.

Figure 3.14: Fault (red line) in the SD lithology. The lithologies on either side of the fault are different, indicating a moderate offset (yellow arrows). Well-developed tension gashes have formed as a result of tensile stress (σ_T) (white arrows). Mineralisation is seen in both of these structural features.

Figure 3.15: The bedding orientation for Ruashi Pit 1. A) Stereoplot illustrating the bedding striking WNW-ESE with two dominant dip directions, NE and SW. The variable dip directions are a direct result of the antiformal syncline that is present within Ruashi pit 1. B) Poles to bedding planes represent the measurements across the fold and resulting girdle that shows that the planes are generally constrained about a WNW-ESE trending axis

Figure 3.16: Antiformal syncline from Ruashi pit 1. The fold axis (FA) measured in the field is plunging gently to the SE at 21° on an azimuth of 116°. The orientation of the fold axis suggests that there is a NE-SW shortening direction.

Figure 3.17: Folding in Ruashi pit 1. A) The bedding planes are consistently oriented about a WNW-ESE strike with a variable dip angle and dip direction. The fold axis has been graphically determined to be WNW-ESE striking, consistent with the fold axis measured in the field plunging 14° to the ESE (azimuth of 116°). B) The girdle produced by the poles to the planes for the antiformal syncline illustrates the folding of the bedding around a WSW-ESE fold axis.

Figure 3.18: Stereoplot of the distribution of joint planes for Ruashi Pit 1. A) The illustration of all the joint planes. B) Stereoplot of the primary joint set (J1). The primary joint planes dip

moderately to gently towards the west and east. C) The secondary set of joints (J2) is striking NE-SW and dipping steeply to the SE. These planes are not rotated. D) The poles to joint planes form a girdle, between the blue lines, possibly indicating progressive rotation about an axis oriented roughly NE-SW.

Figure 3.19: Stereoplots of both unmineralised and mineralised veins from Ruashi Pit 1. A) Distribution of poles to planes for the unmineralised veins, where two steeply dipping planes can be identified striking NW-SE and NE-SW respectively. The NW-SE striking veins dip steeply towards the SW and the NE-SW striking veins mostly dip steeply to the NW. B) By comparison nearly all the mineralised veins are oriented NE-SW dipping moderately to the NW.

Figure 3.20: Stereoplot of the measured fault planes from Ruashi Pit 1. A) The majority of the faults are oriented E-W and dipping to the S. B) Stereonet illustrating the variable dip of the predominantly south dipping faults.

Figure 3.21: Idealised doubly plunging folds in the Kinsevere Central pit. T1 represents an undeformed section that has a principle stress imparted on it. T2 represents the formation of the large syncline during the Fold-and-Thrust event (D1), where T2 has undergone a change in the stress field where σ1 is now oriented perpendicular to original fold axis. T3 is the combined effect of two stages of deformation on the system.

Figure 3.22: Suggested model for the generation of two sets of orthogonal joints where the primary set is rotated. From this sequence of events the progressive stages of joint formation relative to the shortening direction can be seen. The primary set of joints underwent progressive rotation as a result of refolding. Re-folding further resulted in the development of a second set of joints perpendicularly opposed to the primary set.

Figure 3.23: Conjugate fault sets proposed for Kinsevere Central pit based on the planar resultants from the pole distributions. The maximum compressive stress is oriented N-S to produce a NW-SE and NE-SW conjugate fault set (Anderson, 1942). The least compressive stress generally results in material escape and is likely to be oriented E-W (Ramsay and Huber, 1989; Anderson, 1942)

Figure 4.1: Plan view of Central pit. A) The topographical map overlay is contrasted against the 3D model to emphasise more subtle features. B) The main NW-SE trending fault has been highlighted in red to indicate the dextral sense of slip present in Central pit. The northern fault is mapped, but in plan view there is very little visible displacement along the plane. The faults are mapped with their respective displacements. From the plan view the deposit is seen to

fold to the southeast eventually forming the Kinsevere Hill deposit. The combined effect of two faults on the eastern portion of the northern block possibly indicates a degree of tectonic escape in an eastward direction.

Figure 4.2: Perspective view of the Kinsevere Central pit. The deposit is viewed from the southeast looking northwest. The side profile highlights the change in dip from W in the northern end to E in the southern end moving from the Central pit to Kinsevere. The yellow dashed lines represent the cross sections on either side of the main fault that were contrasted against each other.

Figure 4.3: Cross section through the north and south portions in Kinsevere Central Pit. A) Cross section view of the northern portion looking south. The bedding planes are subvertical with a W-dip direction. B) Cross section of the southern portion looking south. The DStrat has visibly changed dip direction from the W to the E.

Figure 4.4: Layout of the Infill drilling program at the Kinsevere mine on which the 3D model was based. There are approximately 2000 drill holes which have contributed to the development of the models.

Figure 4.5: 3D Geological model with the geological map from chapter 2 overlaid and contrasted against the 3D model without the topographic overlay. The respective faults are highlighted by the red lines with noticeable displacement. The overall trend of the lithologies is in a NW-SE direction with a two apparent hinges around the Central pit.

Figure 4.6: Oblique view of the Kinsevere prospect modelled from drillhole data. The figure highlights the respective cross sectional views (dashed yellow lines) which have been taken through the pit. Section 1 is a cross section taken through Mashi. Section 2 and 3 are cross sections take through Kinsevere Central pit in the northern and southern portions on the pit. Section 4 is a cross sectional view through the prospective Kinsevere Hill deposit.

Figure 4.7: Cross-section 1 viewed from the north looking south. The sectional view through Mashi is located NW of Kinsevere Central pit. The RAT, DStrat, SD and CMN of the Mines Series are dipping steeply to the W at approximately 70°. There is very little structural deviation of the stratigraphy from folds or faults and a largely conformable sequence is preserved.

Figure 4.8: Cross section 2 of the northern block in the Kinsevere Central pit, viewed from the north looking south. The faults have been modelled upright and therefore emphasise a large degree

of displacement, however, it must be noted that a reverse fault has a false displacement of 0ver 200 m in the diagram.

Figure 4.9: Cross section 3, viewed from the north to south, Sectional view of the southern block from Kinsevere central pit. The bedding planes are dipping steeply to the west at 80 ° with a N-S strike. The upper portion is highly folded by an anticline and a syncline with a shallowly plunging hinge.

Figure 4.10: Cross section 4 is a sectional view through the Kinsevere Hill prospect, viewed from the southeast looking northwest. The stratigraphy is striking roughly NW-SE with a dip angle of approximately 80-85° NE. The upper portion of the Kinsevere Hill deposit is contorted in the same manner as the Central pit.

Figure 4.11: Plan view the Kinsevere prospect. A) Represents the entire geological model of the folded Mines Series in the Kinsevere deposit. B) The SD unit has been isolated and modelled with the grade shells across the deposit, highlighting the strong correlation between the SD and mineralisation. C) The grade shell for mineralisation that is greater than 4000 ppm is modelled and illustrates the folded nature of the mineralisation.

Figure 4.12: Geological map of Ruashi pit 1 contrasted against the 3D geological model. The geological map illustrates a more continuous DStrat unit in contact with the RAT, whereas the 3D model illustrates the DStrat as a more variable unit with surface expressions being sparse. Two pit bounding thrust faults are identified on the model, defining the limits of Ruashi pit 1 (Williams *et al.,* 2010).

Figure 4.13: Perspective view of Ruashi pit 1. The perspective view illustrates the linear exposure of the deposit and the relatively steeply-dipping bedding planes to the SW.

Figure 4.14: Cross section of Ruashi pit 1 . The cross section emphasises the 76° dip angle to the southwest as well as the relatively thin nature of the DStrat, RSF and RSC units respectively.

Figure 4.15: Isometric view of the Ruashi pit 1 lithological wireframes from the Metorex CPR on Ruashi pit 1. Ruashi pit 1, 2 and 3 are indicated in the 3D model. Ruashi pit 3 illustrates the recumbent syncline documented in the Ruashi pit 1 deposit.

Figure 5.1: The hypothetical illustration of the formation of a rift-related basin with a closed system that facilitated deposition of sulphides (Hitzman *et al.,* 2010). Synrift red beds, sandstones and carbonates transgressively overlie the basement with an evaporite seal. The concept behind the trap and seal model is that the residual brines and/or the dissolution brines permeate

down towards the basal contact where they intercept the red beds. The now oxidised brines, circulated back up through the overlying sequences by means of basement heating and/or heat produced during loading of the overburden. The oxidised brines circulate through reduced phases of strata depositing sulphides (Cu-Co).

Figure 5.2: A hypothetical illustration of the sulphide and oxide facies relative to hypogene and supergene mineralisation (modified after Myers, 2010).

Figure 5.3: Physical evidence for a REDOX reaction in the Katangan Basin. The precipitation of iron-rich metals is highlighted by the small red blebs in the green portion of the rock. The two facies on either side are reduced (green) and oxidised (red) respectively. The direction of fluid flow is indicated to have moved from an oxidised environment to a reduced environment.

Figure 5.4: Layout of the selected drill holes relative to the Central and Mashi pits. The location of the drill holes was selected based on their position relative to the bedding planes and the pit respectively.

Figure 5.5: The position of the exposed transition zone and sulphide facies within the Ruashi mine. Exposure implies that a fault or joint has prevented meteoric water from oxidation and therefore preserving the sulphide facies closer to surface.

Figure 5.6: Lithological specimens from Kinsevere and Ruashi. A) RAT from Kinsevere is a matrix-supported heterolithic breccia with an assortment of clasts from the overlying units of the Mines Series. The RAT is poorly mineralised with no visible mineralisation. B) Chicken-wire texture, indicative of evaporite-bearing horizons in the DStrat unit from Kinsevere, sample TCDH 030 - 107. C) Silicified intersection of DStrat with fine-grained chalcopyrite and carrollite from Ruashi. D) Mineralised DStrat from Ruashi with both disseminated and vein-hosted carrollite, sample Ru 6. E) RSF from Ruashi illustrating two primary orientations of the mineralised veins relative to the bedding planes from Ruashi sulphide facies. F) Massive dolomite illustrating the RSC and the regrowth of calcite in lenses that are sparsely mineralised with disseminated chalcopyrite from the Ruashi sulphide facies. G) Disseminated pyrite in the SD from the sulphide facies, note the black colour in the sulphide facies compared to the beige colour from the oxide facies in Ruashi from sample Ru 3. H) SD from Kinsevere with finely disseminated chalcopyrite grading into a thick carrollite intersection that is parallel to the bedding plane, sample STCDH 024 - 080. I) and J) represent the highly oxidised and haematised CMN from Kinsevere with malachite and minor azurite mineralisation, samples STCDH 022- 080.5 and STCDH 024 – 098 respectively.

Figure 5.7: Typical mineralogy associated with the metasediments of the Katangan Basin. A) DStrat in Kinsevere Central pit with zoned calcite from sample STCDH 009-74. B) RSC from Ruashi illustrating quartz grains with authigenic quartz rims in sample Ru 7. C) SD from Kinsevere with sericite, organic carbon and dolomite with minor mineralisation in sample STCDH 009 - 75. D) SD from Kinsevere where quartz and calcite are present with interstitial hydroxides (limonite) in sample STCDH 012 -180.

Figure 5.8: Hypothetical cross-section of the Kinsevere and Ruashi deposits with their respective oxide facies and resultant sulphide depths. The Kinsevere deposit is predicted to intersect the sulphide facies at approximately 100 m. The Ruashi deposit is predicted to intersect the sulphide facies at 80 m, however the Ruashi deposit does not have a continuous sulphide facies identified from pit mapping.

Figure 5.9: Typical mineralisation from Kinsevere Central pit and Ruashi pit 1. A) Disseminated and vein-hosted carrollite in DStrat from Kinsevere, sample TCRD 010-305.5. B) Malachite and chrysocolla from the oxide facies in Ruashi DStrat. C) Coarse-grained, sparsely disseminated carrollite in DStrat from Ruashi, Ru 7. D) Evaporitic nodule rimmed by chalcopyrite in SD from Kinsevere Central pit, sample TCRD 010-289. E) Disseminated chalcopyrite cross-cut by a carrollite vein that has then been mineralised with a later chalcopyrite phase rimming the carrollite from Kinsevere Central pit, sample STCDH 009-135.5. F) SD from Kinsevere Central pit illustrating cross-cutting relationship between perpendicular and parallel veins, where the perpendicular vein is younger than the bedding parallel vein, sample STCDH 009-113.5. G) Multiphase mineralisation in the perpendicular vein from Kinsevere Central pit, sample STCDH 071-233.) H) Malachite in SD from Kinsevere Central pit, that altered from primary sulphides due to oxidation, sample STCDH 071 - 250.

Figure 5.10 Typical alteration of facies from Kinsevere and Ruashi A) Potassically altered RAT from Kinsevere, sample STCDH 022-70.5. The heterolithic clasts are supported in a talc rich matrix. B) Strongly altered DStrat with a significant proportion of potassic alteration and haematisation, sample STCDH 022-41. C) Elongated lenses of recrystallised dolomite (dolomitisation) and calcite in RSC from Ruashi oxide facies. D) Recrystallised dolomite and calcite across bedding planes giving the SD a granular texture, representing a dolomitisation in sample STCDH 022-107, Kinsevere. E) Albitised quartz-calcite vein in SD from Kinsevere, sample STCDH 064-160. F) Strongly haematised and oxidised intersection of SD from Kinsevere. The sample illustrates the conversion of pre-existing iron-copper sulphides to haematite and malachite respectively. Sample STCDH 009-075.5.

Figure 5.11: Common alteration minerals found in the Mines Series rocks from the Lubumbashi district. A) Potassic alteration of the dolomitic shale under crossed polars in the SD unit from Kinsevere, sample STCDH 024-311. B) Sericite and potassic alteration of the mineralised dolomitic shale from the SD unit in Kinsevere under crossed polars, sample STCDH 071-204. C) Limonite formed from the oxidation of haematite in the RAT unit from Kinsevere under plane polarised light, sample STCDH 009-145. D) Formation of epidote through hydrothermal alteration of thinly laminated dolomite in the DStrat from Kinsevere under crossed polars, sample STCDH 024-358. E) Chloritisation of dolomite from the DStrat in Kinsevere under plane polarised light, sample STCDH 012-149. F) Haematisation of oxidised sulphides from the SD unit in Kinsevere under plane polarised light, sample STCDH 022-070. G) Oxidisation of sulphide-bearing dolomitic shale from the SD that has resulted in malachite and haematite from Kinsevere under plane polarised light, sample STCDH 009-40.H) Vein-bearing malachite and haematite, illustrating the oxidised nature of the late-stage circulating fluids infilling cracks and spaces in the RSC, from Ruashi under plane polarised light, sample Ru 5.

Figure 5.12: Scapolitisation from the Mines Series in Kinsevere Central pit and Ruashi pit 1. A) Scapolitised evaporitic nodule from the RSF in Ruashi, sample Ru 10 in plane polarised light. The scapolitisation has a characteristic white, creamy colour with a needle-like texture; opaque minerals are chalcopyrite and pyrite minerals. B) Large, late scapolite associated with a late phase of evaporitic-sulphide mineralisation from Ruashi, Ru 2. C) Section oriented such that the scapolite is observed down the long axis from the DStrat, illustrating an acicular shape, from Kinsevere, sample TCRD 010-305 in plane polarised light. D) Mineralisation and scapolitisation are commonly found together in evaporite-bearing horizon of the SD where the scapolite is often seen in the evaporite, from Kinsevere, sample STCDH 022-070. E) Evaporitic nodule in the SD unit from Kinsevere, with scapolite in the respective bedding planes, sample STCDH 071-204 in plane polarised light. F) The same evaporitic nodule as seen in E), but under crossed polars in sample STCDH 071-204.

Figure 5.13: Structural features found in Kinsevere and Ruashi deposits. A) Fold hinge cross-cut by chalcopyrite vein in SD from Kinsevere, sample STFDH 028-205. The vein is not exploiting an axial planar cleavage and clearly postdates this local folding event. B) Chalcopyrite mineralisation associated with the formation of a fault and its tension gashes. The spaces created by the tension gashes are infilled with calcite and quartz as well as chalcopyrite in the SD from Kinsevere, sample TCRD 010-292. C) Bedding-parallel veins offset by late stage brittle deformation in the SD from Kinsevere, sample STCDH 022 -090. D) Boudinage with the

respective necks exploited by quartz-calcite veins in the DStrat from Kinsevere. E) Stylolites controlling the distribution of mineralised fluids and acting as a conduit along which veins can penetrate STCDH 012-149.5. F) Tectonically brecciated Dstrat, infilled by carbonaceous material from Kinsevere, sample STCDH 012-130.

Figure 5.44: Micro structures associated with Kinsevere and Ruashi mines. All photographs have been taken in plane polarised light. A) Similar fold of organic carbon and dolomitic shale in the SD from Kinsevere, sample STCDH 009-146 A. B) Tightly folded verging microfolds in the SD that indicate a competency contrast, from Kinsevere, sample STCDH 009-146 B. C) Sigmoidal shear sense indicator in the SD. The sense of shear is sinistral determined by the 'wings' of the dolomitic clast. The clast is essentially calcite and the 'wings' are composed of potassically altered dolomite, from the SD in Kinsevere, sample STCDH 022 -092. D) Late stage cross cutting vein is sinistrally sheared in the same manner as the dolomitic layer, indicating that the shearing happened later than perpendicular vein emplacement in the SD from Kinsevere, sample STCDH 012-180. E) Kink banding with a fracture passing through the fold hinge in a sub-parallel orientation to the potential axial plane in the SD from Kinsevere, sample STCDH 012-180.

Figure 5.15: Copper and cobalt sulphides from the Kinsevere Central pit and Ruashi pit 1. A) Vein hosted carrollite rimmed by chalcopyrite in SD from Kinsevere, sample STCDH 009-138.7. B) Multiphase mineralisation of chalcopyrite in the same vein from the SD in Kinsevere, sample STCDH 009-138.5 A. C) Cogenetic chalcopyrite and chalcocite mineralisation in a single grain. The sulphides are confined to the grain boundary from the SD in Kinsevere, sample STCDH 009-100. D) Sulphide alteration in a badly fractured portion of chalcopyrite. The chalcopyrite is overgrown with bornite, covellite and digenite in the SD from Kinsevere, sample STCDH 009-138.5 B. E) Scapolitised evaporite and the subsequent mineralisation of chalcopyrite in the evaporite and pyrite on the evaporite rim. The chalcopyrite highlights the skeletal growth of scapolite in the evaporite in the DStrat from Kinsevere, sample STFDH 027-107 A. F) Pyrite rim around evaporites from the DStrat in Kinsevere. In sample STFDH 027-107 B there is no chalcopyrite mineralisation in the evaporite.

Figure 5.16: Diseased bornite around a gangue silicate mineral from the SD unit in Kinsevere, sample TCDH 030-230. A) Bornite diseased with chalcopyrite producing a halo around the gangue mineral. The rim may be the result of the gangue mineral partially reacting to heat flow and the recrystallisation of bornite and chalcopyrite simultaneously. B) Enlarged view of the

bornite diseased with chalcopyrite. The chalcopyrite disease is clearly defined by the lattice structure of the bornite.

Figure 5.17: Syngenetic chalcopyrite and carrollite from the SD in Kinsevere, sample STCDH 071-204. The carrollite shows chalcopyrite exsolution and the chalcopyrite has carrollite exsolution. Vein-hosted mineralisation resulted in chalcopyrite and carrollite forming syngenetically or carrollite was formed prior to the deposition of chalcopyrite.\

Figure 5.18: A stratigraphic correlation between deposits, indicated by the red dots, from the Congolese and Zambian Copperbelts (Hitzman *et al.,* 2012).

Figure 5.19: Idealised representation of the hypogene and supergene mineralisation processes (modified after Fay and Barton, 2011). A) Represents the stratabound mineralisation and the subsequent upgrading of the upper and lower orebodies. B) Illustrates the remobilisation of the copper, and to a lesser extent the cobalt, due to supergene alteration.

Figure 5.20: Paragenetic sequence of alteration and mineralisation in the Mines Series. The timing of the first hydrothermal-related ore influx is poorly constrained, however it is assumed to be after the first dolomitisation phase (after Fay and Barton, 2011).

Figure 5.21: Solubility of copper hydroxide diagram Eh-pH (after Brookins, 1988). The solubility of copper is greater than that of cobalt and therefore indicates that the copper is more likely to be mobilised and redistributed in comparison to cobalt which is relatively stable.

Figure 6.1: Sulphur isotope distribution and the relative deposit type from which the sulphur was sourced. The distribution of sulphur isotopes in natural systems can be predicted based on the respective isotopic ratio. Furthermore, the tectonic setting can be deduced from the negative and positive values of sulphur isotopes. (Rollinson, 1993; Eastoe and Nelson, 1988; Eldridge et al., 1993; Boni et al., 1996; Hitzman and Beaty, 1996; Kesler, 1996; Calgari 2003; Koptagel et al., 2005; Rouxel et al., 2008).

Figure 6.2: iThemba Flash HT plus elemental analyser (EA) continuous flow isotope-ratio mass spectrometer (CF-IRMS) at the environment isotope laboratory in Gauteng.

Figure 6.3: Diagrammatic representation of a continuous flow mass spectrometer (modified after Gill, 1999 and Sharma-Harris, 2006). Stage one (1), illustrates the electronic load point of samples from the carousel into the furnace. Stage two (2), illustrates the combustion stage of the sample in the presence of oxygen. Stage three (3), indicates the catalytic oxidation, reduction and removal of water from the gas products. Stage four (4), remaining sulphur

dioxide (SO_2), nitrogen (N_2) and carbon dioxide (CO_2) are separated. The SO_2 gas is ionised into ^{32}S and ^{34}S after separation. Stage five (5), indicates the magnetic separation of the sulphur isotopes. Stage six (6), indicates the final analysis of the sulphur isotopes by the mass spectrometer.

Figure 6.4: Graph indicating the regression of one international standard (OGS1) and 1 internal standard (CGS - 7). The two values are plotted against analysed and expected outcomes respectively to allow the user to calibrate the mass-spectrometer correctly for instrumental drift.

Figure 6.5: Images of the handpicked samples from the Kinsevere and Ruashi pits respectively. A) Bedding- parallel veins of carrollite (Ru 4 = SD-BOMZ). B) Disseminated carrollite (Ru 7 = DStrat). C) Perpendicular veins mineralised with carrollite (Ru 6 = DStrat hosting). D) Black shale with disseminated pyrite (Ru 9 = SD). E) Bedding parallel veins of chalcopyrite (STCDH 012 (180 m) is RSF. F) Perpendicular veins of carrollite (STCDH 022 (113 m) = SD 3a). G) Bedding parallel veins mineralised with chalcopyrite (TCDH 050 (151.8 m) = SD 2d. H) Perpendicular veins mineralised with carrollite (STCDH 009 (135.5 m) = DStrat). I) Perpendicular veins mineralised with carrollite (STCDH 024 (311.5 m) = SD 2a). J) Disseminated chalcopyrite (STCDH 009(138.5 m) = RSF). K) Black shale hosting perpendicular carrollite veins (STCDH 009 (127 m) = SD).

Figure 6.6: Sulphur isotopic composition chalcopyrite and carrollite from Kinsevere and Ruashi mines ($\delta^{34}S$). Sulphur isotope distribution for disseminated, bedding- parallel and bedding-perpendicularly oriented veins. The carrollite-bearing samples indicate a strong clustering around +15 ‰ whereas the chalcopyrite and pyrite samples are decidedly less well grouped.

Figure 6.7: Focused stratigraphic column of the Roan Group strata (modified after Cailteux *et al.,* 2003). The upper RAT, DStrat, RSF, RSC, SD and CMN have been enlarged to indicate the position of the individual lithologies which make up the Mines Series.

Figure 6.8: Sulphur isotopic composition of chalcopyrite and carrollite for the Mines Series Subgroup, (after Cailteux, 1994 and Cailteux *et al.,* 2003). The variation in the trend is attributed to the eustatic change which highlights a transition from transgression to regression in the Katanga basin.

Figure 7.5: The stratigraphy of the Mines Series in the Kinsevere deposit.

Figure 7.6: The stratigraphy of the Mines Series in the Ruashi deposit

Figure 7.7: The typical stratigraphy of the Mines Series in the Congolese Copperbelt (after Schuh *et al.,* 2012).

Figure 7.4: The progressive indentation of the Kalahari craton into the Congo craton that resulted in the eastward ejection of material in the eastern portion of the Lufilian Arc (after Kazadi *et al.,* 2012; Kampunzu and Cailteux, 1999).

Figure 7.5: The idealised cross section of halokinesis carrying blocks of Mines Series subgroup sediments (Hitzman et al., 2012).

Figure 7.6: Idealised cross-section of the basin architecture required to produce the mineralisation in the Central African Copperbelt (after Hitzman *et al.,* 2010). The yellow arrows represent the respective fluid movements within the basin.

Figure 7.7: Map of the Lufilian Arc with cities and mine localities (modified after François, 1974). The relative mines have been highlighted to illustrate the distribution of the deposits.

Figure 7.8: The location of the mineralisation within the Kipushi region (modified from François, 1973, 1974, 1987; Batumike et al., 2007; Cailteux *et al.,* 2007).From the stratigraphic column the Kipushi deposit is mineralised above the Roan Group and is part of the Nguba Group.

List of tables

Table 3.1: Structural evolution of the Lubumbashi district and the relevant mineralisation periods associated with the Lufilian Orogeny.

Table 5.1: An overview of the different mineral occurrences in the western part of the Copperbelt in the DRC after Francois, 1973 and modified by Dewaele, *et al.,* 2006.

Table 5.2: A comparison between the stratigraphy documented in this study against other documented occurences of the same stratigraphy.

Table 5.3: Comparison of the alteration from this study and alteration previously documented in the Copperbelt.

Table 5.4: A comparison of the mineralisation stages from the Congolese Copperbelt deposits and mineralisation in this study.

Table 5.5: Table illustrating the mineralisation type and style relative to the alteration and the deformation event.

Table 6.1: Isotope results for pyrite, chalcopyrite and carrollite based on the mineralisation style of the sample from the Kinsevere and Ruashi respectively.

Table 7.1: Comparison of numerous copper deposits that have similar geological and metallogenic characteristics (modified after Fay and Barton, 2011). The table compares alteration and mineralisation

Table 7.2: The Kinsevere and Ruashi mines have been contrasted against each other to indicate similar and different characteristics between the two mines in Lubumbashi district.

Contents

Declaration……ii

Abstract……iii

Acknowledgments……v

List of Figures……vi

List of tables……xxi

Table of Contents……xxiii

Chapter 1 - Introduction……1

Introduction ……1

Katangan Supergroup ……1

Katanga basin evolution……4

Lufilian Arc ……7

Damara Orogen……11

Project……12

Methodology……14

Chapter 2 - Stratigraphic correlations……15

Introduction ……15

Kinsevere……17

Ruashi Mine ……24

Stratigraphic controls on mineralisation ……30

Discussion……32

Conclusion……35

Chapter 3 - Structural Geology ……37

Structural overview of the Democratic Republic of Congo ……37

Structural pit mapping ……44

Ruashi pit 1……55

Discussion……60

Conclusion……67

Chapter 4- 3D modelling of the Kinsevere deposit and Ruashi pit 1 ……68

Applications of 3D modelling……68

3D model of Kinsevere Central pit……69

Kinsevere model based on drillhole data ……72

3D model of Ruashi pit 1……79

Discussion……81

Conclusion....84
Chapter 5- Mineralisation in the Congolese Copperbelt....85
Introduction to mineralisation in the Copperbelt....85
Petrographic descriptions of fresh samples from Kinsevere Central pit and Ruashi pit 1....92
Kinsevere Central pit and Ruashi pit 1 petrography....95
Mineralisation....99
Alteration in the pit samples....103
Microstructural features from Kinsevere Central pit and Ruashi pit 1....110
Ore petrology for Kinsevere Central pit and Ruashi pit 1....115
Discussion....120
Conclusion....132
Chapter 6 -Sulphur Isotope Analysis....135
Sulphur isotopes....135
Samples from Kinsevere and Ruashi....141
Discussion....143
Conclusion....147
Chapter 7-Discussion....149
Stratigraphy in the Lubumbashi district....149
Structural setting of Lubumbashi....154
Mineralisation....155
Alteration in the Lubumbashi district....157
Source of Sulphur in the Lubumbashi district....158
Deposits across the Lufilian Arc....160
Comparisons between Ruashi and Kinsevere with other Congolese deposits....164
Chapter 8-Conclusion....166
References....170

Chapter 1

Introduction

Introduction

The Katangan region has been mined for copper and cobalt for over 100 years. The copper-cobalt (Cu-Co) systems in the Lufilian Arc, situated in Zambia and Democratic Republic of Congo (DRC), are recognised as the largest sedimentary hosted stratiform deposits in the world. Approximately half of the world's cobalt reserves are found within the Lufilian Arc along with significant proportions of lead-zinc sulphides and uranium oxides (Jackson *et al.,* 2003). The mineralisation style of the central African copper belt is classically defined as both sedimentary stratabound and vein hosted with varieties of copper, cobalt, lead, zinc and uranium mineralisation present (Kampunzu and Cailteux, 1999). In classical Congolese and Zambian Copperbelt deposits, mineralisation is both syn- to post-orogenic, however, the ore forming processes and controls are poorly understood (Dewaele *et al.,* 2006). Understanding of the controls that influence mineralisation in the DRC is relatively less well known in comparison to the Zambian Copperbelt. This is partly due to the lack of exposure and relative difficulty encountered when moving within the DRC, inhibiting the acquisition of data.

To further understand the ore forming processes and controls for localised areas within the Congolese Copperbelt, two mines have been chosen for this study. These two deposits were chosen for comparison due to their proximity to one another as well as the fact that both mines produce ore from the same stratigraphic horizon. .

The Kinsevere and Ruashi open pit mines are located approximately 50 km apart in the Lubumbashi district. The proximity of the two deposits to each other will hopefully reveal characteristic features and structural controls on ore formation.

Katangan Supergroup

The sedimentary rocks from the Katangan Supergroup are composed of metacarbonates, metapelites and sandstones (Jackson *et al.,* 2003). The Katangan Supergroup can be subdivided into the Roan, Nguba and Kundelungu Groups (Cailteux *et al.,* 2005).

The Groups of the Katangan Supergroup are roughly divided by two extensive glacial diamictites namely; the Grand Conglomèrat and the Petit Conglomèrat (Fig. 1.1) (Cailteux *et al.,* 2005; Kampunzu *et al.,* 2009). The Grand Conglomèrat separates the Roan Group from the Lower

Kundelungu Group (Cailteux, 1994; Cailteux *et al.,* 2005). According to Cahen *et al.,* (1984) the Grand Conglomèrat is ~950 Ma, however the Global Snowball Earth has been constrained to a more widely agreed upon period of 850-630 Ma (Cryogenian period) (Kirschvink *et al.,* 1992).

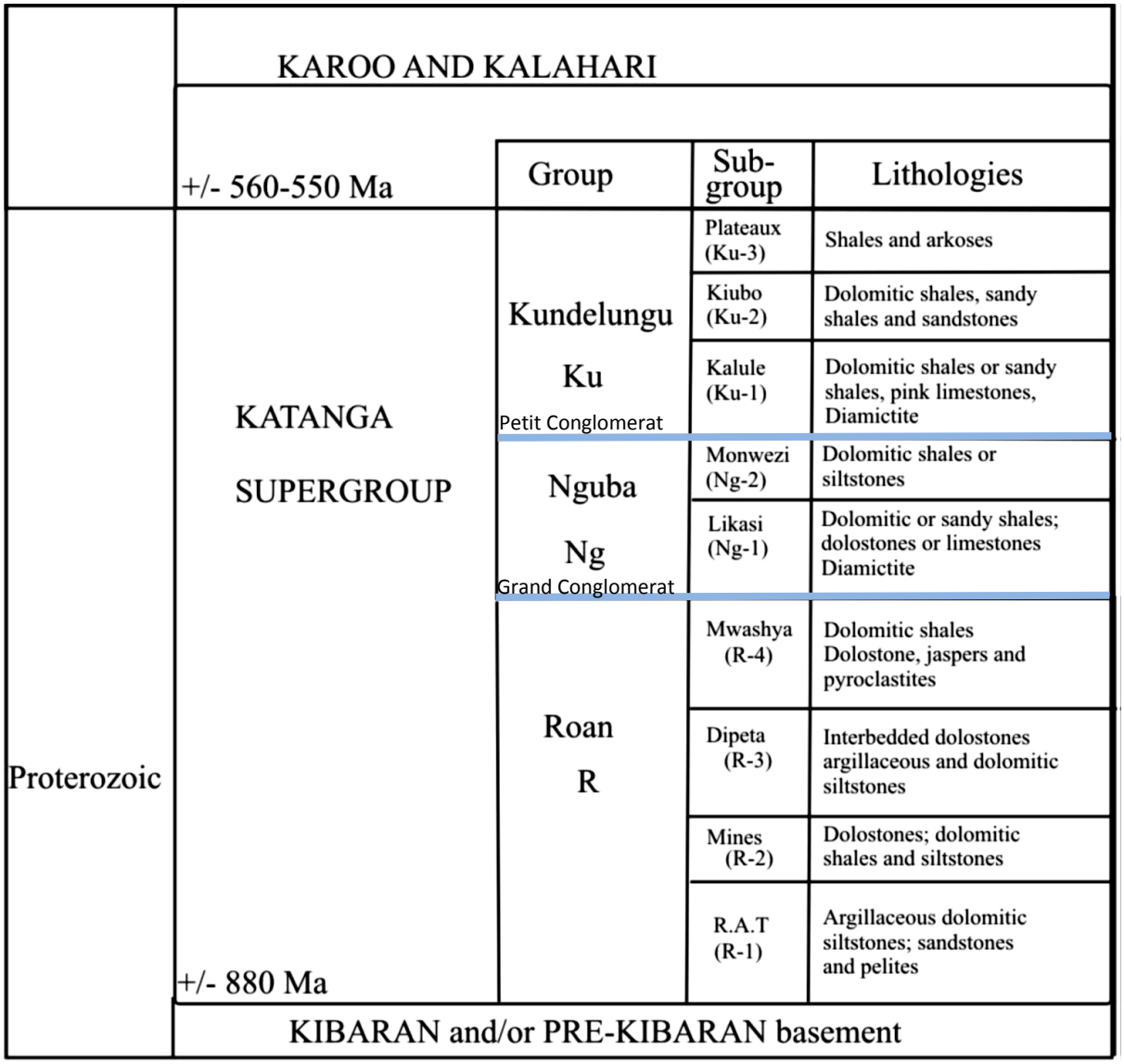


Figure 1.1: Stratigraphy of the Katangan. The Grand and Petit Conglomèrat (blue lines) units are located between the Roan and Nguba Groups and the Nguba and Kundelungu Groups respectively (modified after Cailteux *et al.,* 2005).

According to Wendorff (2011) and Key *et al.,* (2001), deposition of the Grand Conglomèrat occurred after 765 Ma and probably before 735 Ma (Key *et al.,* 2001).Tsodilo resources dated magnetite in Rapitan type banded iron formations closely associated with these glacial events and found a more realistic age of 734 Ma for the Grand Conglomèrat confirming its links to the world-wide Sturtian glaciation (Tsodilo Resources news release, June 2012). The younger Petit Conglomèrat, is correlated with the global Marinoan/Varangian glaciation (ca. 640 Ma, Hoffman, 2005, or ca. 620-600 Ma, Master, 1998; Wendorff *et al.,* 2000). Each glaciation is overlain by a cap carbonate complex which is classified as a typical lithological coupling (Kennedy *et al.,* 1998).

At the base of the Katangan Supergroup is the Roan Group. The formation of the Roan Group has been linked to the initial rifting stage between the Congo and Kalahari cratons during the early Neoproterozoic period (<880Ma) (Master and Wendorff, 2011). The Roan Group unconformably overlies the pre-Katangan basement (Key *et al.,* 2001) (Fig. 1.1). It is believed that the Roan Group represents a low energy transgressive environment that has syngenetic mineralisation that is laterally continuous throughout DRC and Zambia (Jackson *et al.,* 2003). The lateral continuity is interpreted as an epicontinental marine embayment with only minor faulting (Jackson *et al.,* 2003).

The Roan Group is predominantly composed of carbonaceous sediments which are similar to sabkha type deposits (Haest and Muchez, 2011; Wendorff, 2005). These sedimentary rocks represent transitional environments between land and sea (Bull *et al.,* 2010). Many marine sabkha environments are intimately associated with carbonate depositional systems (Shinn, 1973). The deposition of the Roan Group stopped due to extensive uplift at approximately 765 Ma (Wendorff, 2005). This major tectonic uplift led to the formation of the Nguba rifting phase which formed extensive olistostromes, as a result of mass wasting. These olistostromes were then deposited unconformably over the pre-Katangan basement followed by siliciclastic sediments (Key *et al.,* 2001).

The Nguba Group is composed of a mixed dolomitic shale and siliciclastic material with minimal carbonate (Fig. 1.1) (Batumike *et al.,* 2007). The Nguba Group increases in thickness from north to south, with an increasing carbonate concentration in the sediments (Kampunzu *et al.,* 2009). This trend indicates that the Nguba group is a proximal facies to the river mouth that fed the basin (Francois, 1987; Batumike *et al.,* 2007).

The Kundelungu Group is dominated by pelites and marine siliciclastics which have been capped by continental sediments (Jackson *et al.,* 2003).

The changes in sedimentation are interpreted to be the shoreline, intertidal and subtidal environments along a clastic basin margin (Bull *et al.,* 2010). Above this the facies are dominated almost exclusively by carbonates, which can be sub-divided into stromatolitic reefs and lagoonal/ subtidal mixed clastic – carbonate aprons (Bull *et al.,* 2010). Therefore the overall evolution of the basin is a progression from initial rifting (Roan) where clastic sedimentation took place, followed by deep water sedimentation (chemical precipitates) as a result of further rifting (Nguba) (Cailteux,

1994; Cailteux *et al.,* 2005). From the Nguba to the Kundelungu Groups the deposition was of chemical sedimentation until the deposition of the cap carbonates (Bull *et al.,* 2010).

During the deposition of the youngest sediments associated with the Katanga Supergroup, the Pan African orogenesis began to develop.

Katanga basin evolution

Using Walther's law which states that a vertical succession of facies reflects lateral changes in environment, it is possible to produce and interpret relative eustatic changes and document the evolution of the Katangan basin (Bull *et al.,* 2010). This technique indicates that there is a major sequence boundary in the stratigraphy located at the base of the Mines Subgroup (Fig. 1.1) (Bull *et al.,* 2010). The lower parts of the Katangan succession are deposited in an extensional intra continental rift system. Hitzman *et al.,* 2010 separated the rifting of the Katanga basin into two rift cycles.

Rift Cycle 1

The first rifting cycle is dated at 880 Ma, based on volcanic fragments found in the RAT formation from the Roan Group (Cailteux *et al.,* 1994; Lefebvre, 1989; Johnson *et al.,* 2007). These fragments are equivalent to the Kafue Rhyolite in the Zambezi Belt (Cailteux *et al.,* 1994; Lefebvre, 1989; Johnson *et al.,* 2007). The Lufilian Belt unconformably overlies the granite/gneiss basement, indicating that the deformation of the overlying strata is coincident with the plutonism during crustal thinning (Mallick, 1966; DeWaele *et al.,* 2008).The first rift cycle occurring approximately 880-820 Ma (Cailteux *et al.,* 1994; Lefebvre, 1989; Johnson *et al.,* 2007)) coincided with the copper-bearing Roan strata sedimentation. This tectonic system was crucial in localising the distribution and deposition of the copper in the Roan sediments (Fay and Barton, 2011). The reason for this is due to the fact that effective redox boundaries were created during the tectonism allowing syn-sedimentary copper and cobalt mineralisation to take place (Binda, 1994; Cailteux *et al.,* 2005; Sutton and Maynard, 2005). The Katanga basin experienced evaporitic conditions during the climax of the first rifting phase until the marine – carbonate sedimentation of the post rift phase (Hitzman *et al.,* 2010). The evaporitic layers have been identified as being laterally extensive stretching over a large portion of the basin as well as being relatively thick, producing an ideal seal to contain the circulating brines (Hitzman *et al.,* 2010).

Rift Cycle 2

The second rift cycle, understood to have been started 765 Ma ago, comprises the Mwashya, Nguba groups and the start of the Kundelungu group sedimentation of the Lufilian Belt (Key *et al.,* 2001). This second rift cycle hosts two distinct global diamictites from the Sturtian and Marinoan glaciations respectively (Key *et al.,* 2001). The Mwashya Group has shallow water olistostromes composed of carbonates and argillites dated around 765±5 Ma (Key *et al.,* 2001; Porada and Berhorst, 2000). Collision between the Kalahari and Congo cratons and the subsequent closure of the rift is estimated to be around 530 Ma to 520 Ma during the Pan-African Orogeny (Johnson *et al.,* 2005).

In order to indicate the scale at which deformation and orogenesis took place in the Katangan Supergroup, an overview of the Pan-African orogeny is presented.

Kennedy (1964) defined the Pan African Orogenesis as a tectonothermal event where individual belts belonging to an inter-related system began forming around 580 Ma ago. Structural features and stratigraphic successions suggest that belts developed on the single super continent of Gondwana or at least on west and east Gondwana (Fig. 1.2) (Piper, 1982; McWilliams, 1981). This led to the interpretation that the Pan-African belts evolved from continental rift structures (Fig. 1.2) (Porada, 1989).

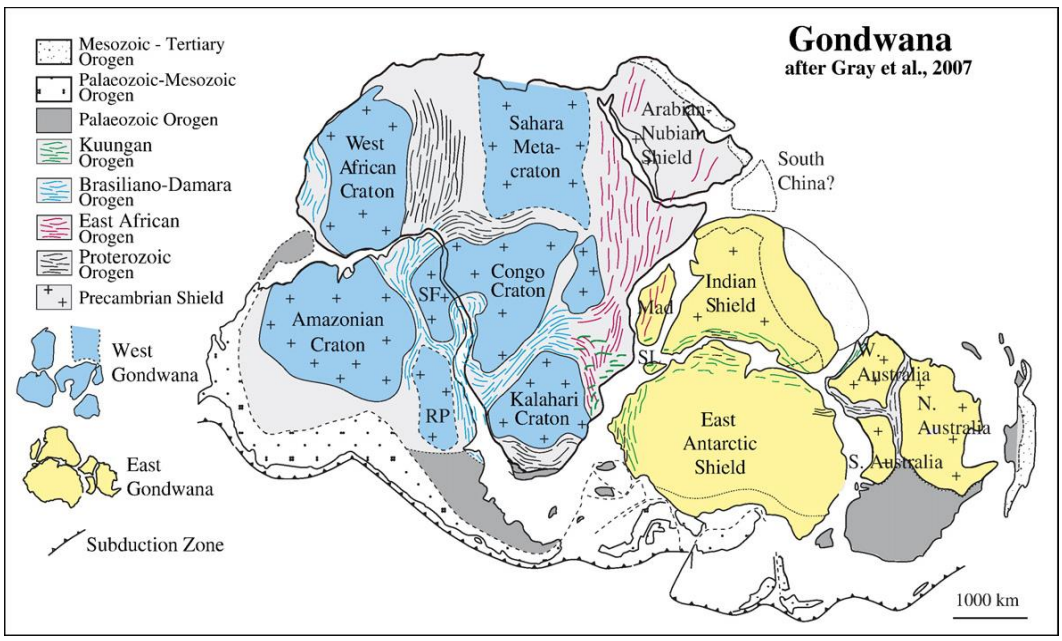


Figure 1.2: Cratonic assembly of Gondwana after Gray *et al.,* 2007. The Lufilian Arc and Damara orogeny are located between the same cratons (Congo and Kalahari) and may therefore share the same, or similar, mineralisation styles and tectono-sedimentary evolution.

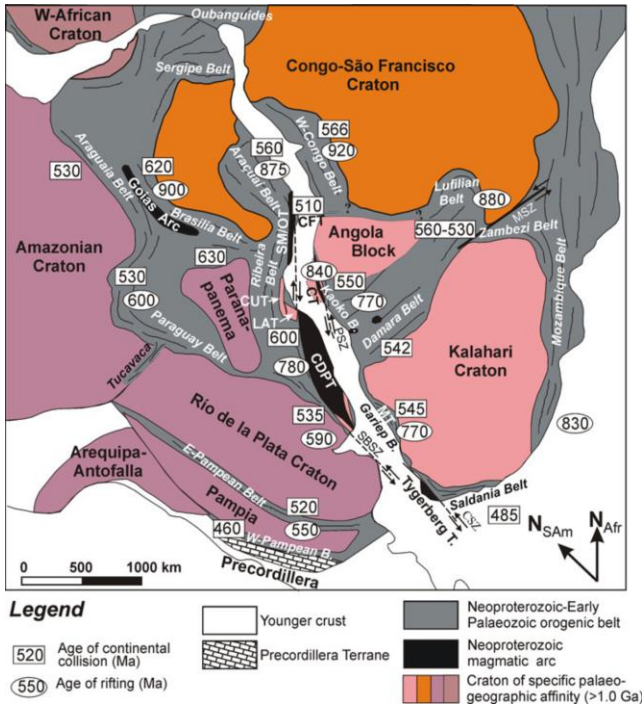


Figure 1.3: Position of Neoproterozoic fold belts and magmatic arcs between the various cratonic blocks of south-western Gondwana (modified from Gaucher *et al.,* 2009). The timing of basin opening and closure in each belt is indicated respectively. CDPT Cuchilla Dionsio-Pelotas Terrane, CFT Cabo Frı´o Terrane, CT Coastal Terrane, CUT Curitiba Terrane, LAT Luis Alves Terrane, MT Marmora Terrane, SM/OT Serra do Mar-Oriental Terrane, PSZ Purros Shear Zone, SBSZ Sierra Ballena Shear Zone and CSZ Colenso Shear Zone.

As suggested by Kennedy (1964) Pan African belt systems are heavily influenced by geodynamic models such as continental rifting, convergence and tectonogenesis of cratons, as well as ensialic and ensimatic processes (Porada, 1989). Reviews by Tohver *et al.*,(2012) have moved away from the ensimatic/ plate tectonic model for the Pan-African-Brasiliano belts as the model for orogenic building due to the current lack of evidence for subduction-driven collisions. The lack of ophiolitic remnants in suture zones, high pressure- low temperature metamorphic rocks and foreland basin deposits does not confirm the ensimatic model theory (Tohver *et al.,* 2012). The ensialic model fits the evolution of the Pan African Orogeny better because it identifies partially melted silica- and aluminium- rich crust within the suture zone (McWilliams and Kroener, 1981). Of relevance to the project is the Damaran-Lufilian Orogeny. These two systems have been loosely linked together due to the fact that they are constrained between the same cratons (Congo and Kalahari) and have similar sedimentary successions and mineralisation styles (Fig. 1.3).

Lufilian Arc

The Lufilian arc extends over 800 km in an east-west direction and has a NE-trending convex curvature. The Lufilian Arc originates in Luanshya (SE- Zambia), extending through Kolwezi (DRC) and terminating in south-eastern Angola (Jackson *et al.,* 2003).

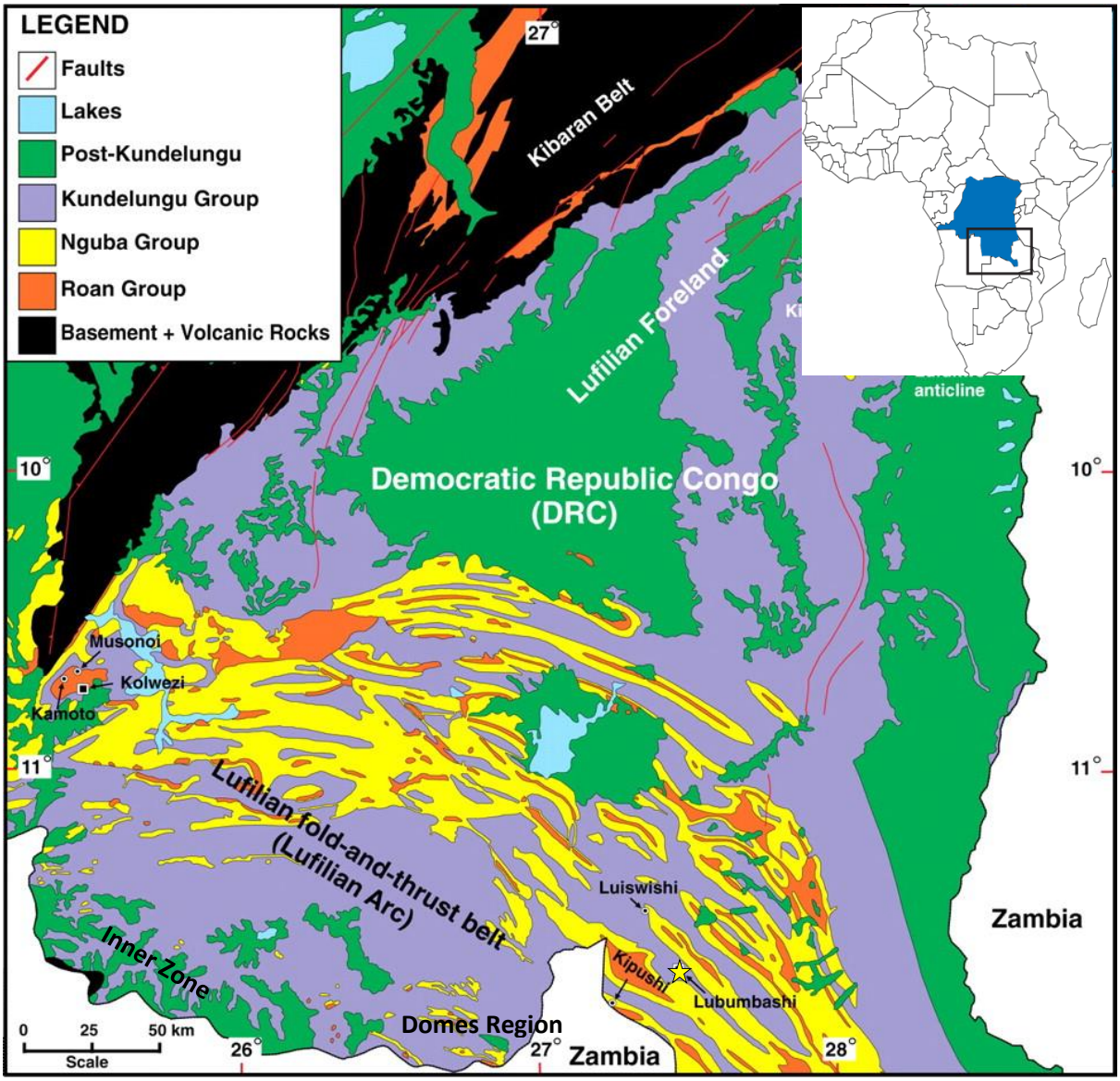


Figure 1.4: The Lufilian Arc illustrating the Inner zone, Domes region, Fold and Thrust belt and the Kundelungu foreland (after Swart and Drysdall, 1964., Cailteux and Kampunzu, 1999 and Kipata *e. al.,* 2013). The yellow star marks the location of Lubumbashi which is the district in which the project is focused (modified from Lepersonne, 1974).

The Lufilian Arc is an 800 km long curved belt that stretches across Angola, Zambia and the Democratic Republic of the Congo (Cahen, 1984) (Fig. 1.4). The formation of the Lufilian Arc is interpreted as the result of continental building during the amalgamation of Gondwana (Grantham *et al.,* 2003; DeWaele *et al.,* 2008; Westerhof *et al.,* 2008). The Lufilian orogeny, together with the formation of the Zambezi and Damara belts is the product of the cratonic collision between the Congo and Kalahari cratons (650-600 Ma to 530 Ma) (Hanson *et al.,* 1993; Porada and Berhorst, 2000; John *et al.,* 2004; Frimmel *et al.,* 2011). Neoproterozoic divergence between the Congo and Kalahari cratons is recorded in the Lufilian Arc as two distinct phases: a rift-related volcano-sedimentary phase and a passive margin phase (DeWaele *et al.,* 2008). The Lufilian Arc plays host to

a variety of low and high grade metamorphic rocks of Neoproterozoic age which have beendeformed by a succession of folds and thrusts (van Doornick, 1928; Robert, 1940; Demesmaeker *etal.,* 1963 and Francois, 1974). Studies on the Lufilian have divided the Arc into four different domains namely: the external fold-and-thrust belt; Domes region; Synclinorial Belt; and Kundelungu Aulacogen (Fig. 1.4) (Drysdall, 1964; Cailteux and Kampunzu, 1995; 1999; Demesmaeker *et al,* 1963; and Francois 1987). The focus of the thesis is confined to the Lubumbashi area at the Kinsevere Mine owned by MMG and the Ruashi mine owned by Metorex.

1) The external fold-and-thrust belt: This belt is characterised by major faulting and folding of the Kundelungu Supergroup that was associated with the first compressional event of the Lufilian Orogeny. A common result of the fold-and-thrust belt was the northeast transportation of folds, overturning bedding planes in the process (Porada and Berhorst, 2000). The mechanism that allowed such translation along the bedding planes was the dewatering and fluidisation of evaporites within the layers and halokinesis (Fig. 1.5). Studies have suggested that the resulting evaporitic fluid "buoyed" up the megabreccias (fragmented blocks in excess of 7 km long) and allowed them to be transported over vast distances (±150 km) when further tectonic stresses were imparted on them (Cailteux and Kampunzu, 1995; Jackson *et al.,* 2003). This hypothesis allows for the "newly" settled megabreccia blocks to be identified as allochthonous, as they have been transported and deposited in a new location with the stratigraphic succession conformably preserved within the "megablock" (Cailteux and Kampunzu, 1995). Allochthonous Roan salt extrusion is interpreted as a major control on the style and location of deformation within the Katanga basin (Jackson *et al.,* 2003). Allochthonous salt sheets vary greatly in size and shape. They have the physical ability to transport extremely large blocks of overlying strata over many kilometres (Diegel *et al.,* 1995). The origin of the salt in the Katangan basin is highly debatable and several hypotheses have been proposed (Jackson *et al.,* 2003). From the known processes and models available the most likely origin of salt in the Katangan basin is due to glacial events which would have extruded salt out along the basal contact (McGuiness and Hossack, 1993; Fletcher *et al.,* 1995; Jackson *et al.,* 1995). Jackson *et al.,* (2003) indicate that the basal contact, where extruded salt sheets are typically found, creates both concordant and discordant segments with the respective overlying strata. The fact that these salt sheets can reach enormous thicknesses and become extremely viscous means that the extruding salt sheets have the ability to disrupt and, in terms of the Congolese Copperbelt, break up the hanging wall strata (Jackson *et al.,* 2003). This process created giga/megabreccias within the Katangan Supergroup. The metasedimentary successions in the DRC are highly deformed by a Fold-and-Thrust

belt during the collision between the Congo and Kalahari cratons (Bull *et al.,* 2010). Anticlines and synclines have been fragmented and in part overturned, but with no basement fragments being exposed on surface in the DRC (Cailteux *et al.,* 2005).

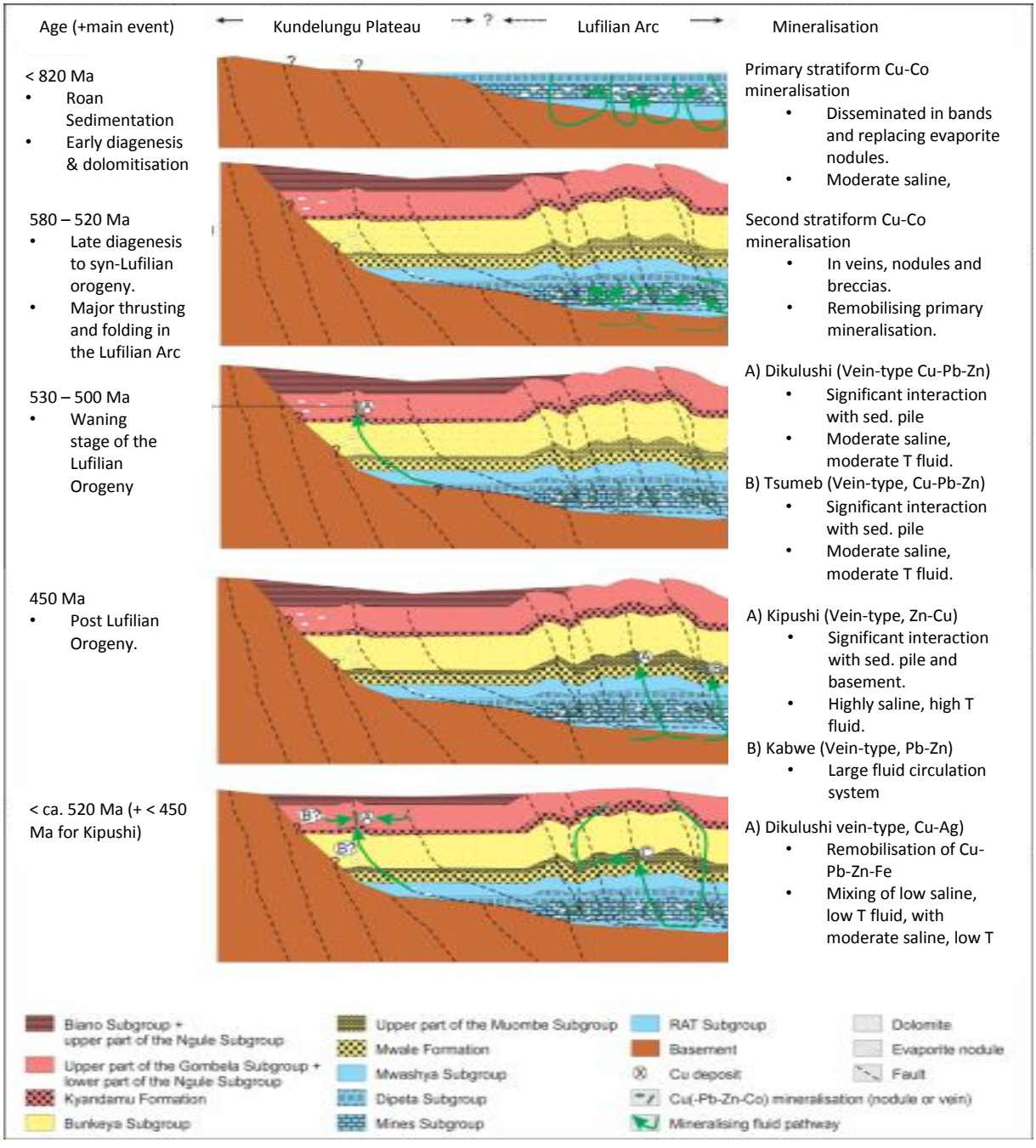


Figure 1.5: Illustration of the evolution of the Lufilian arc and Katanga basin from 820 Ma (Neoproterozoic) to the ≈ 580-520 Ma (Lufilian Orogeny) (after El Desouky *et al.,* 2010).

Megabreccias are classified as extremely large blocks that have been transported several kilometres by halokinetic processes (Jackson *et al.,* 2003). These "megabreccia clasts" are neither randomly broken nor re-oriented but rather sit concordantly over the original contact layer albeit not in the original place (allochthonous). Later tectonism and crustal shortening, characteristic of the Lufilian Arc, separate and reorient the blocks accordingly with respect to its position on the Lufilian Arc. The internal stratigraphy is also seen to remain intact with no disruption of the bedding planes. These observations suggest that the Roan packages were parted along weaker layers i.e. salt layers (Jackson *et al.,* 2003). The Sturtian and Marinoan glaciations possibly increased the rate at which halokinesis (salt tectonics) took place due to the fact that sedimentation would have increased the load on the underlying lithologies, aiding in the extrusion of salt sheets and diapirs (Shaffer and Lowrie, 1985).

2) Domes region: Located in north-western Zambia, the Domes area describes regional domal structures of granitoid origin that are covered by the sediments of the Katangan Supergroup (Cosi *et al.,* 1992). The Domes region is commonly attributed to the second deformation event in the Lufilian Orogeny (Kampunzu and Cailteux, 1999). It should be noted though that the Domes region does not extend into the DRC and therefore the second deformation event associated with the Congolese Copperbelt is associated with a strike-slip faulting system trending east-west during the Monwezian deformation phase (Francois, 1987). The Monwezian faulting system has been interpreted to be the result of orogenic bending, which has given the Lufilian Arc its distinctive curvature, possibly linked to the formation of the Domes Region (Kampunzu and Cailteux, 1995).

3) Synclinorial Belt: The Synclinorial Belt is related to the third deformation event characterised by late transverse folding, trending northeast-southwest and east-west as large open, upright folds (Kampunzu and Cailteux, 1999). D3 deformation (Shilatembo) is poorly documented but has been identified in the Etoile, Luiswishi and Luishia areas (Kampunzu and Cailteux, 1999). D3 deformation overprints the D2 deformation event with gentle undulating folds (Kampunzu and Cailteux, 1999). This late D3 deformation phase is known as the Shilatembo phase (Demesmaeker et al, 1963; Kipata *et al.,* 2013).

4) Kundelungu Aulacogen: The aulacogen represents a failed arm of the Lufilian Orogeny. It is attributed to the formation of a triple point which is believed to have resulted from mantle upwelling (Francois, 1987; Kampunzu and Cailteux, 1999).

The Lufilian Orogeny is linked with the Damaran Orogeny, which by comparison, is well described and documented in terms of tectonic history and ore-forming processes. Due to the fact that the two orogenic events are characteristically similar and originate on the same cratonic margin, it makes sense that theories and models may be adapted from the Damaran Orogeny and applied to the Lufilian Arc.

Damara Orogen

The Damara Orogen is a late Proterozoic Pan-African belt situated between the Congo and Kalahari cratons (Fig. 1.6) (Pirajno and Jacob, 1991). The Damara orogeny is predominantly restricted to Namibia and can be divided into two branches commonly known as the inland and intracontinental coastal branches (Martin and Porada, 1977). The Coastal branch trends north-south along the west coast of Namibia where it is believed to be connected in the north to the Kaoko belt, Angola and northern Namibia, and in the south to the Gariep Belt, southern Namibia and South Africa (Porada,

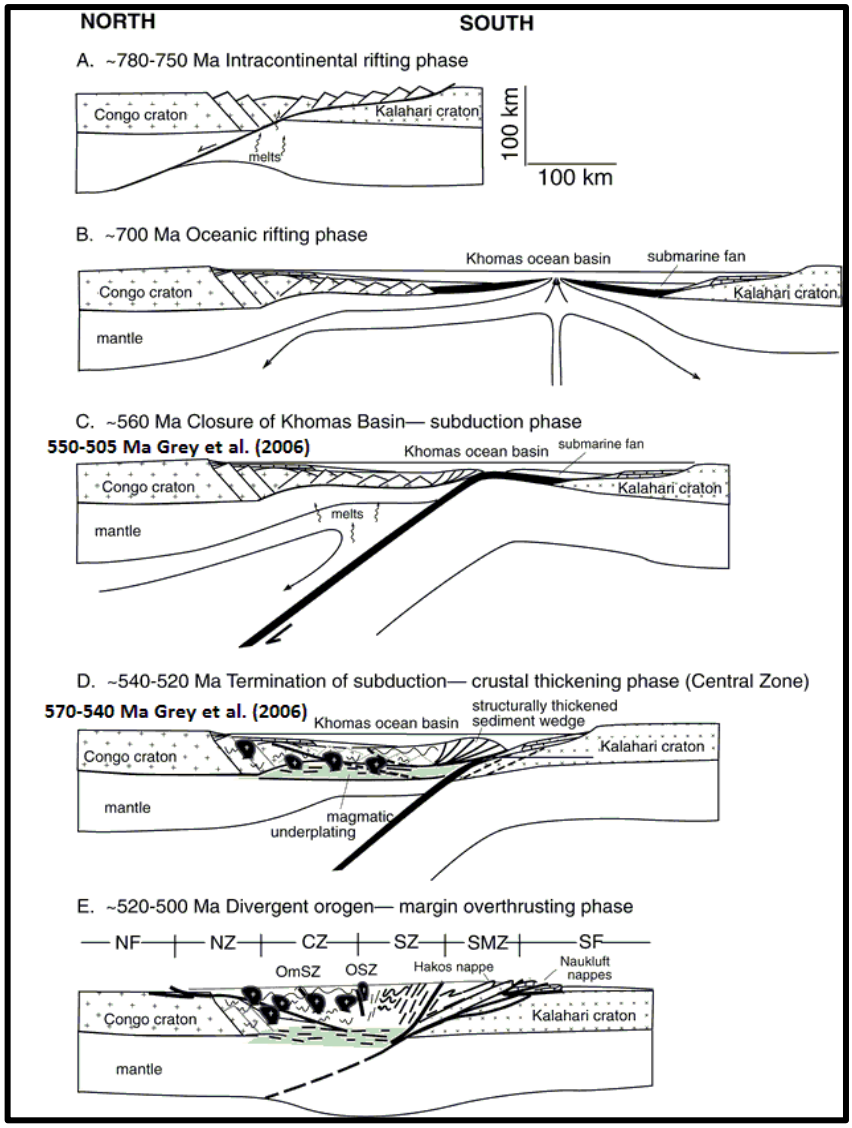


Figure 1.6: The evolution of the Damara Orogen (modified after Gray *et al.,* 2007) A) 1000 - 750 Ma – Initial Rifting of the Cratons occurred marking the first deformation event (D1). B) 750- 700 Ma – Further rifting and deepening of the developing basin. This continuation of the rifting stage formed the Khomas Ocean and deposited deep basin sediments such as carbonates and fine silts. C) 550 Ma – extensional system changes to a compressive system. This marks the second deformation event (D2) where the mature marine sediments are deformed in such a way that bidirectional fabrics are observed as a result of crustal resistances. D). 550 - 520 Ma – Continued compression as a result of the inter-cratonic collision and the start of the first metamorphic event. E) 520 - 500 Ma – Mineralisation of uranium, tin, gold, tungsten, tantalum-bearing granitic intrusions form the third deformation event (D3).

1989). The three arms of the Damara-Ribeira belt system are believed to represent the three arms of the triple point junction that separated the African continent from South America (Pirajno and Jacobs, 1991).

The inland branch of the Damara Orogen follows the boundary between the Congo and Kalahari cratons, where it is possibly connected to the Lufilian Arc (Gray *et al.,* 2007). The inland branch is related to the Pan-African Orogeny (580-550Ma) (Gray *et al.,* 2007). The evolution of the inland branch of the Damaran Orogeny spans from 780-500 Ma and was documented to have at least three deformation events linked to its formation (Fig. 1.3) (Kisters *et al.,* 2004; Porada, 1989; Gray *et al.,* 2007).

The fact that the Damaran and Lufilian belt systems exist between the same cratons (Congo and Kalahari cratons) and formed in roughly the same way (cratonic rifting and closure), has major implications for the identification of possible future exploration targets. It has long been believed that the two orogenic belts are linked due to the fact that they originated relatively close to each other along a cratonic margin and at approximately the same time during the Pan-African orogenesis (Goscombe *et al.* 2000; Hanson 2003). Characteristics observed in the well documented Damara Orogen may help in the interpretation of the Zambian and Congolese Lufilian Orogeny, which by contrast is relatively poorly understood.

Project

The research project on the Kinsevere and Ruashi orebodies was proposed in June 2012 to address the lack of knowledge surrounding the controls on mineralisation and orebody characterisation in the Kinsevere mine. The study of Ruashi pit 1 has been incorporated into the project in order to compare and contrast the localised geology of the Kinsevere Central pit, allowing for the characterisation of the geology for the Lubumbashi district.

Aims and objectives

Controls on mineralisation within the Kinsevere and Ruashi deposits of the DRC are poorly understood. This project aimed to contribute towards the understanding of the relationship between mineralisation, stratigraphic setting and geological structures.

In addition, the nature of orebodies at Kinsevere are not well defined and this project has further attempted to characterise the Kinsevere orebodies (supergene and hypogene) by describing the

sulphide mineralisation and determining other factors related to the mineralisation event(s) such as alteration and age relationships. By contrast the Ruashi pit 1 deposit appears to be more consistent with the accepted orebody models and will provide a suitable comparison for the Kinsevere Central pit.

The project also aims to define the structural controls and related alteration on mineralisation at Kinsevere and Ruashi. Currently these were poorly defined. Characterisation of these parameters can be used to determine the geological history for the Lubumbashi District (Figure 1.7). The timing



Figure 1.7: Location of the respective pits in the Lubumbashi district. KInsevere is approximately 50 km north of Lubumbashi and Ruashi is in Lubumbashi itself.

of mineralisation and determination of sulphide paragenetic sequence could possibly constrain specific mineral occurrence to specific events. Finally sulphur isotope analysis can suggest the palaeoenvironment from which sulphur was sourced.

In order to understand the structural controls and mineralisation events it is necessary to gain a detailed understanding of the Katangan stratigraphy of the two mines studied.

Methodology

The distance between Ruashi and Kinsevere is approximately 40 km and the two pits are observed to share similar lithologies, however, in the Ruashi Mine the RAT breccia is mapped as a single entity instead of dividing it into the Grey, Red and brecciated RAT as at Kinsevere.

Data collection was carried out in each pit with the aim of acquiring sufficient information to create maps and delineate structures and lithologies. The pits were mapped using a hand held GPS, with the coordinate system set to record data in Universal Transverse Mercator (UTM) format. Point localities were chosen where there were structural features or changes in lithologies. Structural features that are most prevalent in the study are: bedding planes, faults, folds, veins (mineralised and unmineralised) and joints.

Traverses were made along individual berms to pick up features on the pit walls as well as lithological trends.

The relative associations between structures and mineralisation were mapped in order to interpret their relationship, to one another. Ores related to a particular structural feature were used in the determination of the paragenetic sequence of mineralisation and the tectonic history of the region.

Chapter 2

Stratigraphic correlations

Introduction

The Neoproterozoic Katanagan Supergroup is approximately 7 km thick succession that was deposited on a fertile magmatic arc in an intracontinental rift (Cailteux *et al.,* 2005). The Katangan Supergroup is composed of highly deformed marine platforms which have resulted from rifting between the Kalahari and Congo cratons (Kampunzu *et al.,* 2009; Cailteux *et al.,* 2005). The sediments from the Katanga Supergroup have been thrust and folded during the formation of the Lufilian Arc which straddles the Zambian - Congolese border (Cailteux *et al.,* 2005).

Early sedimentation into an opening rift resulted in the deposition of continental clastic sediments and with increased extension, marine sedimentation developed (Cailteux *et al.,* 2005; Selley *et al.,* 2005). In Zambia and DRC the Katangan Supergroup is divided into the basal Roan, Nguba and Kundelungu Groups, however the Roan Group is slightly different in Zambia compared to DRC (Kampunzu *et al.,* 2009). In Zambia the Roan Group is subdivided into the Mindola, Kitwe, Kirilabombwe and Mwashia Subgroups whereas in the DRC the Roan Group is subdivided into the RAT, Mines, Dipeta and Mwashya Subgroups (Fig. 2.1) (Kampunzu *et al.,* 2009). The difference between the DRC and Zambia Roan classification is due to the greater depth of water in which sediment deposition occurred in the Katangan basin and its associated transgressive or regressive sedimentary changes (Bull *et al.,* 2010).

The Roan Group at the base of the Katangan succession is classically regarded as the major host for Cu-Co mineralisation, although in recent years significant mineralisation, as at Kamoa, has been identified higher in the stratigraphy (Broughton and Rogers, 2010). The sequence stratigraphy from Zambia indicates several transgressive and regressive sequences, with accommodation for the lowermost sequences, which host the bulk of the copper, generated by half graben devolvement during active extension.

Within DRC the mineralised Mines Series of the Roan Group occurs as ridges along the margins of the Copperbelt and this lithological distribution was regarded as important for the generation of exploration targets with the Congolese Copperbelt (Dewaele *et al.,* 2006).

Superground				Group	Sub-group	Formation	Lithology			
			< 573 Ma	Kundelungu (formerly Upper kundelungu) Ku	Biano - Ku 3		arkoses, conglomerates, argilaceous sandstones			
					Ngule Ku 2	Sampwe	dolomitic pelites, argillaceous to sandy siltstones			
						Kiubo	dolomitic sandstones, siltstones and pelites			
						Mongwe	dolomitic pelites, siltstones and sandstones			
					Gombela Ku 1	Lubudi	pink oolitic limestone and sandy carbonate beds			
						Kanianga	carbonate siltstones and shales			
						Lusele	pink to grey micritic dolomite			
			(± 635 Ma)			Kyandamu	Petit Conglomérat (glacial diamictite)			
				Nguba (formerly Lower Kundelungu) Ng	Bunkeya Ng 2	Monwezi	dolomitic sandstones, siltstones and pelites			
						Katete	dolomitic sandstones, siltstones and shales in northern areas; alternating shale and dolomite beds ("Série Récurrente") in southern areas			
					Muombe Ng 1	Kipushi	dolomite with dolomitic shale beds in southern areas			
						Kakontwe	carbonates			
						Kaponda	carbonate shales and siltstones; "Dolomie Tigrée" at the base			
		Congo	± 730 Ma			Mwale	Grand Conglomérat (glacial diamictite)			Zambia
	Group	Sub-group	Formation	Lithology			Lithology	Formation	Sub-group	
Katangan	Roan R	Mwashya (formerly Upper Mwashya) R 4	Kanzadi	sandstones or alternating siltstones and shales			dolomitic shales, grey to black carbonaceous shales, quartzites		Mwashia	
			Kafubu	carbonaceous shales						
			Kamoya	dolomitic shales, siltstones, sandstones, including conglomeratic beds and cherts in variable position						
		Dipeta R 3	Kansuki R 3.4	(formerly Lower Mwashya): dolomites including volcaniclastic beds (765-735 Ma)			dolomites to arenitic dolomites interbedded with dolomitic shales; intrusive gabbros (formerly Carbonate Unit or Upper Roan)	Bancroft Kanwangungu RU 1 & RU 2	Kirilabombwe	
			Mofya - R 3.3	dolomites, arenitic dolomites, dolomitic siltstones						
			R 3.2	argillaceous dolomitic siltstones with interbedded sandstone or white dolomite; intrusive gabbros						
			R.G.S.- R 3.1	argillaceous dolomitic siltstones ("Roches Gréso-Schisteuses")			shales with grit (Antelope Clastics)	Kibalongo RL 3		
		Mines R 2	Kambove R 2.3	stromatolitic massive, laminated, shaly or talcose dolomites; locally sandstone at the base; interbedded siltstones in the upper part			dolomite, argillite beds at top	Chingola RL 4	Kitwe	
			Dolomitic shales R 2.2	R 2.2.2 & 3: dolomitic shales containing carbonaceous horizons; occasional dolomite or arkose			arkoses, sandy to dolomitic argillites	Pelito-arkosic RL 5		
				R 2.2.1: arenitic dolomite at the top and dolomitic shale at the base; pseudomorphs after evaporite nodules and concretions			arenites, argillaceous dolomites, argillites, dolomites, evaporites	Ore Shale RL 6		
			Kamoto R 2.1	stromatolitic dolomite (R.S.C.), silicified/arenitic dolomites (R.S.F./D.Strat.), grey argillaceous dolomitic siltstone at the base (Grey R.A.T.); pseudomorphs after evaporites at the contact with R.A.T.						
		R.A.T. R 1	red argillaceous dolomitic siltstones, sandstones and pelites ("Roches Argilo-Talqueuses")				conglomerates, coarse arkoses and argillaceous siltstones	Mutonda	Mindola RL 7	
		base of the R.A.T. sequence - unknown					quartzites	Kafufya		
	± 880 Ma	basal peble and cobble conglomerate					pebble and cobble conglomerate	Chimfunsi		
± 2050 Ma	Kibaran and pre-Kibaran									

Figure 2.2: Stratigraphy of the Neoproterozoic Katanga Supergroup (after Kampunzu *et al.,* 2009). The Dolomitic Shales formation is more commonly known as the SD and the Kambove Formation hosts the thinly laminated dolomitic shale of the CMN at the basal contact with the dolomitic shales of the SD. R, Ng, and Ku are the codes for Roan, Nguba, and Kundelungu Groups, respectively in The DRC. RL and RU are codes for Lower Roan and Upper Roan, respectively, in Zambia.

The focus of this thesis details the structural setting of mineralisation within the Mines Series in the Kinsevere and Ruashi pits in the Lubumbashi area of the Congolese Copperbelt. The Lubumbashi district is located in the south eastern portion of the Lufilian Arc.

Roan Strata – Mines Series

The Roan Group has been subdivided into Subgroups (Fig. 2.1) based on the composition of the respective transgressive and regressive facies. The *Roches Argilo-Talcqueuse* (RAT) (<230 m) represents the base of the Roan Group upon which the Mines Series (~370 m), Dipeta (~600 m) and Mwashya (~520 m) Sub groups conformably overlie (Fig. 2.1). The RAT comprises a sequence of dolomitic and talcose argillaceous lithologies (Cailteux, 1994). Traditionally different components of the RAT have been identified as Grey RAT (Grise) and Red RAT (Lilas). The Red RAT grades upwards

into the Grey RAT which forms the base of the Mines Series and provides a useful marker horizon (Bull *et al.,* 2010; Cailteux 1994; Fay and Barton, 2011).

The Mines Series and the Dipeta Subgroup carbonates and shales, represent a transgressive depositional environment reflecting deepening water conditions. The Mwashya marks a change in the depositional environment as a regressive period of deposition (Bull *et al.,* 2010).

The Dolomites Stratifiees (DStrat) is a stratified argillaceous dolomite-dominated member with occurrences of nodular chert. Together with the Grey RAT this unit forms part of the Lower Ore Zone (Fig. 2.1) (Bull *et al.,* 2010).

The Roches Siliceuses Feuilletees (RSF) is composed of thinly laminated, silicified dolomitic shales (Fig. 2.1) (Cailteux, 1994).

The Roches Silicieuses Cellulaires (RSC) is composed of massive and stromatolitic varieties of silicified dolomite (Fig. 2.1). The RSC is poorly mineralised with primary sulphides, but enriched with secondary copper oxides and carbonates (Cailteux, 1994; Cailteux *et al.,* 2005).

The *Shales Dolomitiques* (SD) is composed of laminated dolomitic shales and fine-grained siltstone (Cailteux, 1994). It hosts the Upper Orebody with high grade copper and cobalt (Bull *et al.,* 2010).

Calcaire á Minèraux Noirs (CMN) is composed of dolomitic shale that is excessively haematised and poorly mineralised with copper and cobalt (Bull *et al.,* 2010).

The Breche Heterogene is a heterolithic breccia composed of fragments of rocks from the Mines Series that vary in size and shape (Cailteux, 1994).

Kinsevere

Kinsevere is owned by the Mining and Metals Group (MMG) which formed in June 2009. The Kinsevere mine comprises five distinct zones; Tshifufiamashi (Mashi), Tshifufia Figure, Tshifufia Central (Kinsevere Central Pit), Tshifufia North and Kinsevere Hill. The Kinsevere mine has two pits Mashi and Central in Figure 2.2, with outlying exploration targets at Tshifufia North and Kinsevere Hill Tshifufia. This study only focused on Central pit. Currently the mining operations are exploiting the surface oxide facies.

Early studies on in the Lubumbashi district, large fragments of regionally concordant Roan Group sediments known as “rafts” or “ècailles”, up to 10 km long were identified. The Kinsevere pits comprise rafts of Mines Series sediments. Common lithologies found in the Kinsevere pit are RAT (Grey), DStrat, SD, CMN and Heterolithic breccia. The highly silicified units (RSF and RSC) are absent

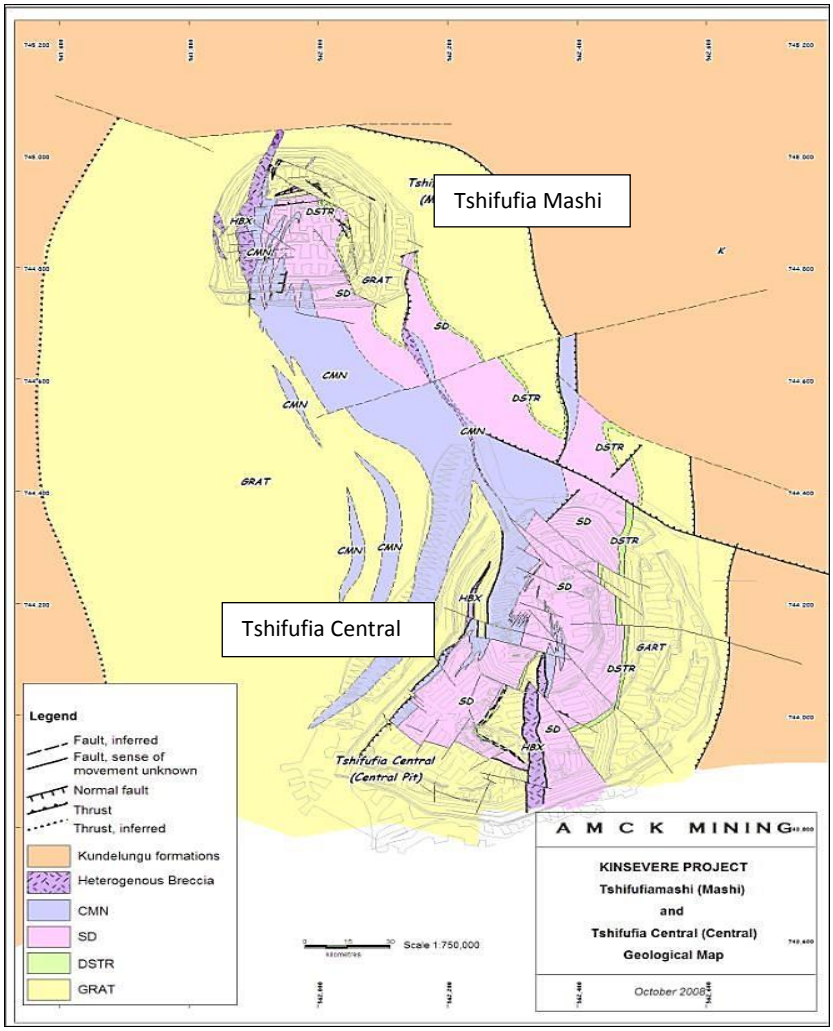


Figure 2.2: Geological map of the Kinsevere Mining prospect with the Tshifufia Mashi and Tshifufia Central pits overlain on the topography, illustrating where the Kinsevere and Mashi pits are situated relative to the stratigraphy (modified after the AMCK Mining geological map, 2008). The Kinsevere prospect illustrates the east-west trending faults that are preserved in the pit, together with the larger scale reverse faults in the north-northeast of the pit.

from the Mines Series stratigraphy (Fig. 2.2). This can be attributed to several reasons such as soft sediment deformation (slumping) or later brittle deformation (faulting).

These rafts have been internally folded and bound by later cross-cutting faults which trend east-west (Kazadi *et al.,* 2013). The Central pit is composed of Roan Group sediments, tightly folded and offset by later faulting and brecciation. There have been two phases of folding in Kinsevere Central and Tshifufia Mashi pits which are suspected to have produced the north-northeast verging folds.

These structures, shown in Figure 2.2, provided by MMG, also show the lithostratigraphic column with the various lithologies described earlier.

Stratigraphy of the Kinsevere Central pit

The mapping of the Kinsevere pit was based on descriptions and structural measurements from 100 waypoints in the pit (Fig. 2.3). The measurements for each point have been omitted on this map but are detailed in Appendix A

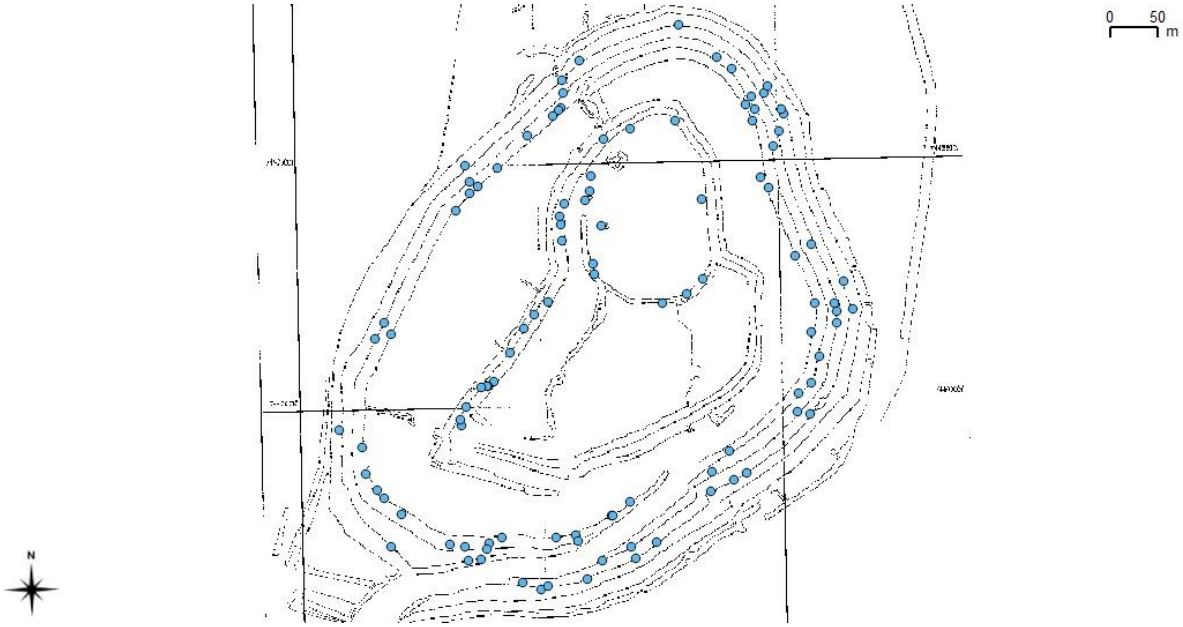


Figure 3.3: Waypoint locations of observations and structural measurements in the Kinsevere Central pit from which maps and stratigraphic characteristics were made.

The geology of the Kinsevere pit is illustrated in Figure 2.4. The northern extreme of the pit is dominated by DStrat, SD, Black ore mineralised shale (BOMS) and CMN units, whereas the southern portion is predominantly composed of RAT breccias and SD. The majority of the units have been preserved in a sub-vertical position due to folding.

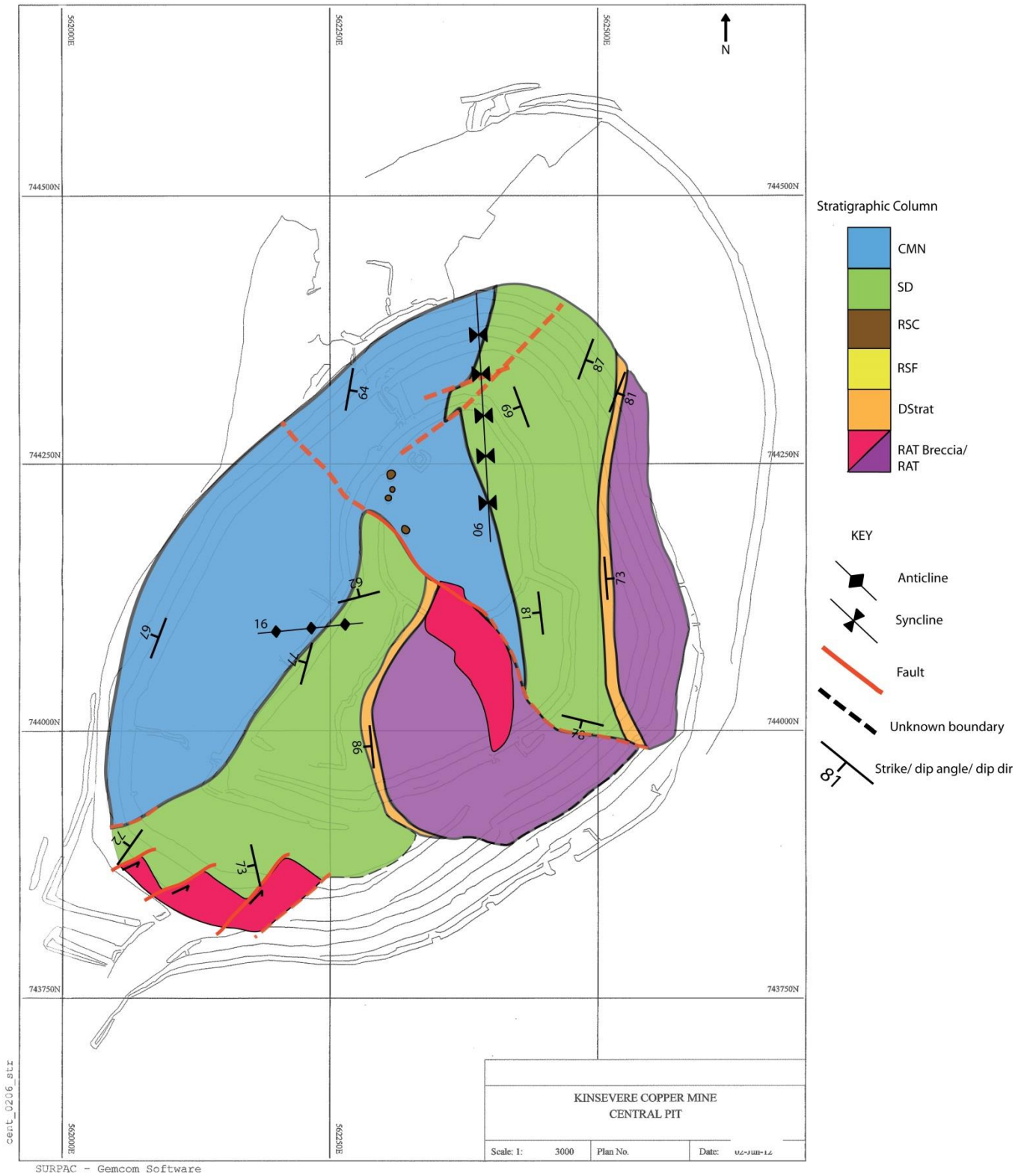


Figure 2.4: Geological map of the Kinsevere pit. A dominant syncline trending N-S is present in conjunction with an open fold trending E-W. The pit has a large scale fault trending NW-SE that apparently disjoints the layers dextrally. The general orientation of the bedding planes in the Central pit is roughly N-S

The observed structural measurements have been compiled in Appendix A. The overall trends and main controlling features of the pit are documented in the pit map (Fig. 2.4). There is an overall N-S trend in the bedding planes within the pit. Analysis of the RAT indicates that there are areas which are heavily brecciated (illustrated by the pink colour). These breccias tend to be localised between faults, commonly with heterolithic clasts from the overlying units within them. In the SW quadrant of the pit, progressive apparent sinistral strike-slip faulting has resulted in heterolithic RAT brecciated material being included in the SD unit (Fig. 2.4). The strike-slip faults are seen as a series of jogs that have allowed for the inclusion of overlying material into openings created by the respective movement. Another heterolithic breccia is present in the SE of the pit, again associated with a large fault that has visibly offset the relevant units. The competent and intact RAT is relatively well preserved but does not have any bedding features. Conformably overlying the RAT is the DStrat unit which is very thin and poorly silicified throughout the pit (Fig. 2.4). It is unclear why there is folding in the DStrat and faulting in the SD, but there is a possibility that the RAT and DStrat accommodated the change in stress in a more ductile manner as opposed to the brittle failure in the SD. As indicated, the RSF and RSC are poorly preserved in the pit, however, isolated blocks of RSC and minimal RSF are seen in the pit at depth. The SD unit contains well-preserved bedding which emphasises the intricate fold structures.

The different lithologies observed in Kinsevere Central pit have been illustrated in Figure 2.5.

Roches Argilo-Talcqueuse (RAT) within the Central pit is predominantly composed of Grey RAT (GRAT in Fig. 2.2) together with a heterolithic breccia (Fig. 2.5 A). In general, all the RAT lithologies are extremely soft and weathered, due to the high proportion of talc alteration. The RAT is poorly mineralised in the Central pit although it does host specularite that is coarsely crystalline (Nesse, 2010). This specularite is restricted to the RAT. What is not observed in the pit, but is clear in fresh core intersections, is that the Grey RAT is characterised by clay clasts. These clasts range in size from 0.5-10 cm. There are however inclusions of overlying material, such as the DStrat and RSF that have been entrained into the RAT. This can be attributed to collapsed breccias/heterolithic breccias, displacing overlying material downwards.

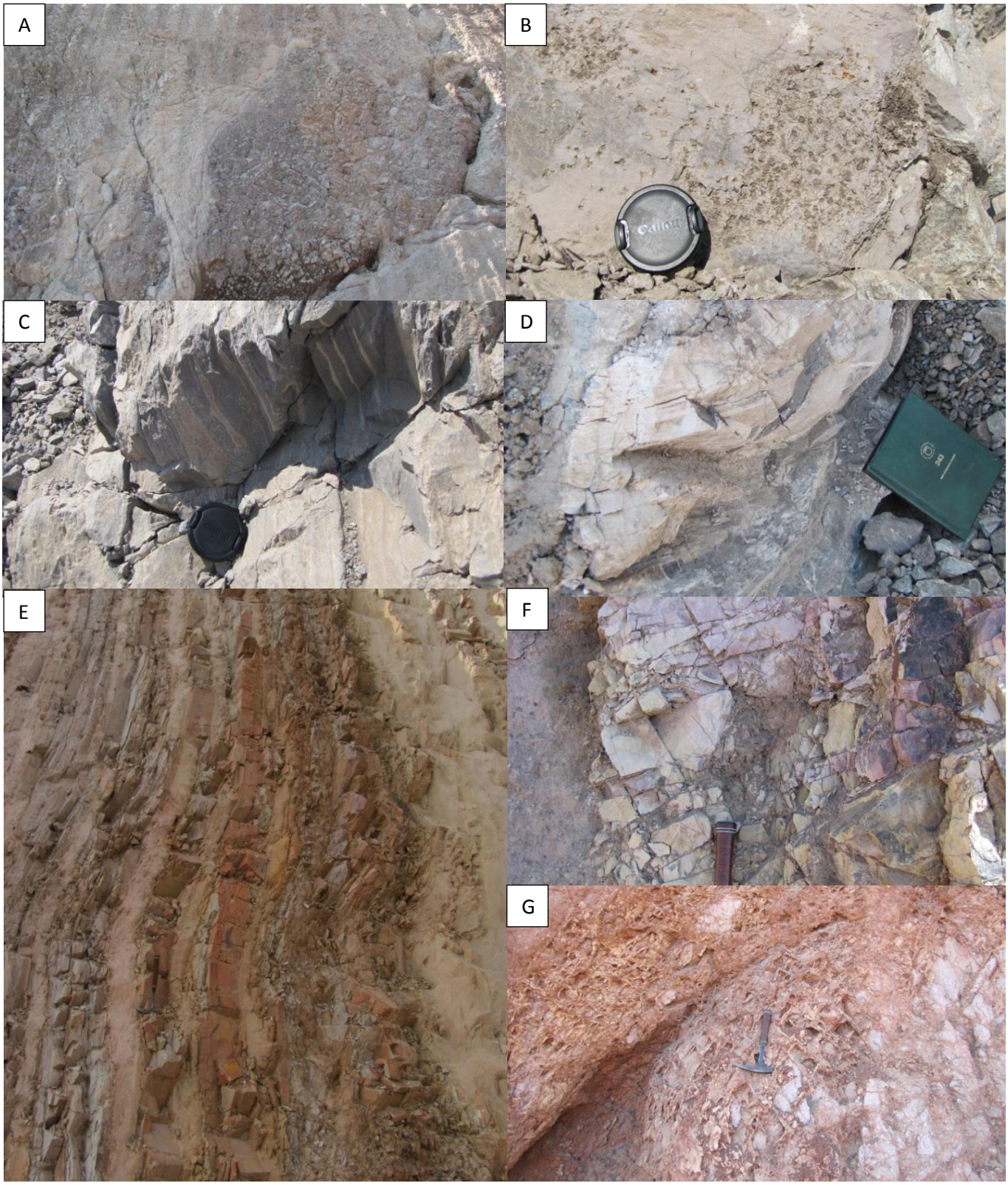


Figure 2.5: Stratigraphic units and some characteristic features from the Kinsevere Central Pit. A) The Grey RAT, which is highly brecciated and has small interstitial specular haematite (GPS: WGS84 35 S. 0562470; 8743950). B) Pitted surface on the DStrat unit. The cubic shapes of the pits possibly indicate the presence of pyrite/carrollite in the unit which has been weathered out (GPS: WGS84 35 S. 0562199; 8743856). C) The laminar nature of the DStrat, which has undergone alteration to a large degree, has bands of purple and red layers (GPS: WGS84 35 S. 0562301; 8743839). D) Tightly folded suspected RSF unit with no visible mineralisation (GPS: WGS84 35 S. 0562078; 8743917). E) Image of the SD unit with malachite in the bedding planes. The SD unit is host to the majority of the mineralisation within the pit (GPS: WGS84 35 S. 0562241; 8743815. F) Black ferromanganese precipitate that forms on the exposed surfaces of CMN (GPS: WGS84 35 S. 0562505; 8744304). G) Stockwork type brecciation in the CMN which is unmineralised (GPS: WGS84 35 S. 0562114; 8744174). The CMN is notably more oxidised, with an intense red colour, compared to other units from the Mines Series.

Dolomites Stratifiees (DStrat) (Fig. 2.4) is preserved as a 2-3 m thick layer of massive, banded grey, locally purple, dolomite conformably overlying the RAT in the Central pit (Fig. 2.5 B, C). The DStrat has been described as a highly silicified unit (Francois and Coussement, 1990; Schuh *et al.,* 2012) however in the Central pit it is dolomitic rather than silicic as a result of alteration and has no visible mineralisation due to weathering.

In Figure 2.2 the DStrat is succeeded by the *Roches Siliceuses Feuilletees* (RSF) and *Roches Silicieuses Cellulaires* (RSC) (Fig. 2.5 D). These units are poorly preserved within the Kinsevere pits and result in the SD overlying the DStrat. Small circular occurrences of these units are seen but the reason for their shape and placement is unclear (Fig. 2.4).

The Shales Dolomitiques (SD) (Fig. 2.4) are thinly bedded, carbonaceous shales which exhibits regular jointing and veining (Fig. 2.5 E). The dolomitic shales (SD) generally trend NNE-SSW. The SD unit is intimately related to the Black Ore Mineralised Shale unit (BOMS). The BOMS unit is an organic carbon-rich variety of the SD.

The dolomitic shales preserve the majority of the way-up indicators as an upward-fining sedimentary sequence. The bedding is sub-vertical with a variable dip direction resulting in bedding alternating between upright and overturned in certain parts of a fold (Fig. 2.6 A and B).

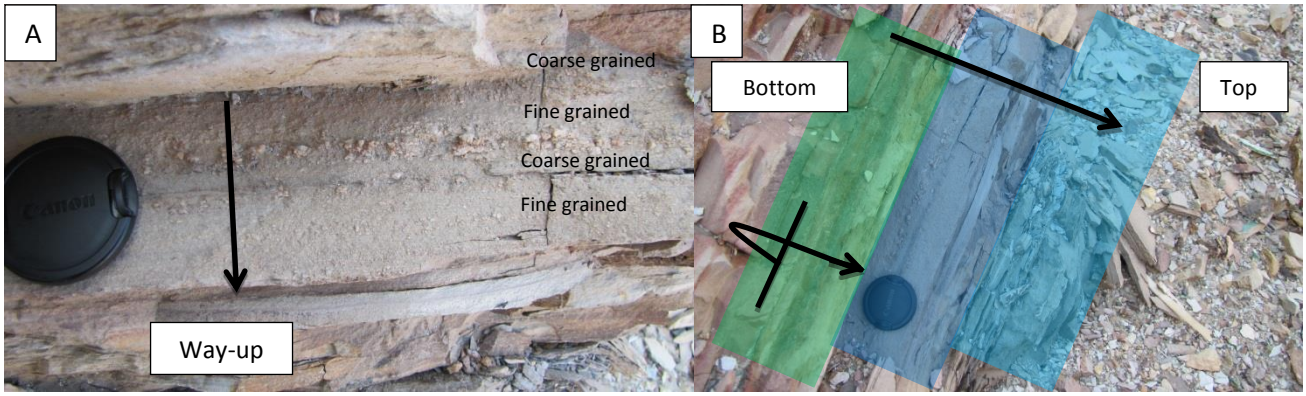


Figure 2.6: A) An upward fining sequence of SD that has been overturned (GPS: WGS84 35 S. 0562245; 8744095). B) Larger scale representation of the overturned bedding planes in picture A. Because of the state of the sub-vertical bedding, it is common for the bedding to be overturned in parts. B) The green, dark blue and blue coloured strata represent a progressively upward fining sequence.

The *Calcaire á Minèraux Noirs* (CMN) conformably overlies the SD unit. It is comprised of finely laminated dolomitic shale commonly deformed by small-scale folding (Fig. 2.5 F and G). The CMN unit is often seen with a black ferromanganese coating on exposed surfaces. The CMN displays brecciated stockwork zones which have been intruded by numerous, unmineralised quartz–calcite veins. The CMN is strongly haematised and jointed. The CMN defines the upper limit of the upper

orebody, with little to no mineralisation being present in the stratigraphically higher parts of the CMN.

Ruashi Mine

The Ruashi mine is owned by Metorex Ltd, under the Jinchuan mining consortium. The main commodities being extracted and processed on site are copper and cobalt. Three orebodies have been identified at Ruashi: Ruashi 1, Ruashi 2 and Ruashi 3 (Fig. 2.7). The formations found in Ruashi are the same as those in Kinsevere. It is approximately 900 x 350 m in size, terminating at either end along N-S trending thrust faults (Williams, et. al., 2010). Ruashi ore grades commonly vary between 4-6% Cu and 0.4% Co with a ratio of Cu:Co ≈ 8:1 (Williams, *et al.,* 2010).

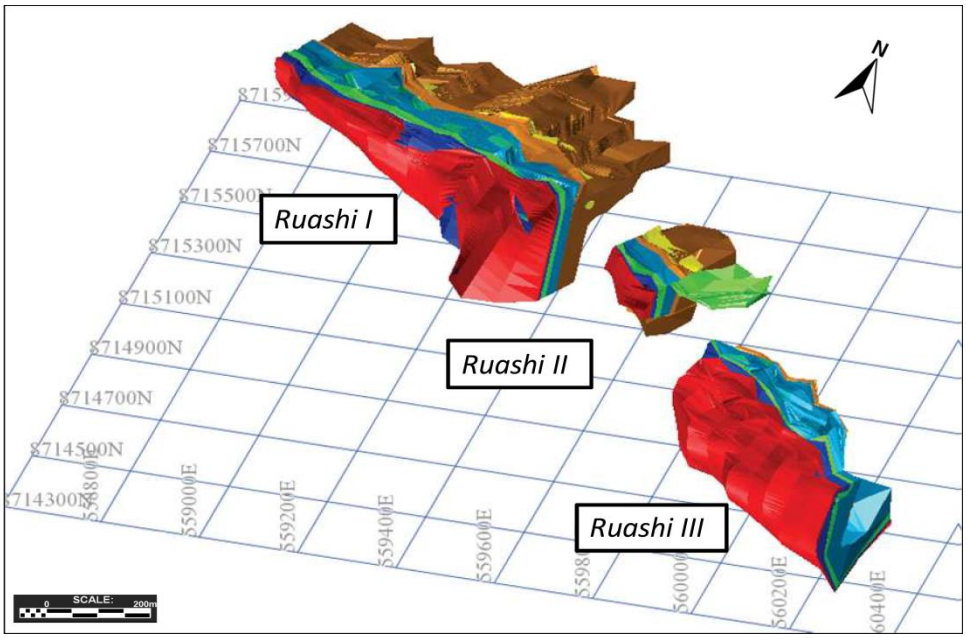


Figure 2.7: The 3D interpretation of the lithologies from the Mines Series Group in Ruashi pit 1 (after Williams *et al.,* 2008). The red unit represents the RAT breccia, dark blue the MV (massive siltstone), green the DStrat, light blue the RSF, orange the RSC and the brown is CMN (Williams *et. al.,* 2010).

The Ruashi orebodies are considered to be typical Congolese Copperbelt style deposits that are not dissimilar from the northern Tenke-Fungurume Mine (Williams *et al.,* 2010). Ruashi is situated on a NW-SE trending fold structure which is approximately 24 x 2 km identified as a recumbent syncline flanked by the younger Kundelungu cover succession (Williams *et al.,* 2008).

The stratigraphy that has been identified by Metorex for the Ruashi mine is shown in Figure 2.8

Stratigraphy of the Ruashi pit 1

SYSTEM	SERIES	FORMATION	LOCAL NAME	AGE		DESCRIPTION	THICKNESS
K	UPPER KUNDE-LUNGU					Sediments	30 - 50 m
			DIAMICTITE	570 ma		Glacial sediment, tillite	
A	LOWER KUNDE-LUNGU					Sediments Sandstones and shale	200 - 500 m
			DIAMICTITE	750 ma		Glacial sediment (Grand Conglomerate)	
T	R	R4 1 and 2	MWASHYA			Black Shales, siltstones, sandstones, dolomites	50 - 100 m
		R3 - 2	DIPETA			Shales, sandy schists	1000 m
		R3 - 1	RGS			Sandstones	100 - 200 m
A	O	R2 - 3	CMN			Talcose clays, sandy wad, dolomite	110m
			MIN CMN		COM-BINED ORE BODY	Talcose clay and wad	0 - 20 m
		R2 - 2	BOMZ			Wad (manganeferous earth)	3 - 20 m
			SDS			Dolomitic shales, black graphitic shales	50 - 80 m
N	A	R2 - 1	SDB	U.O.B		Basal dolomitic shales	10 - 15 m
			RSC	I. O. B		Stromatolitic dolomites	12 - 25 m
			RSF	LOWER ORE BODY		Foliated, silicious dolomites	5 m
G	N		D STRAT			Stratified, argillaceous dolomites	3 m
			MV			Massive green siltstone	2 - 10 m
A		R1	RAT 2			Talcose argillites	100 m
			RAT 1			Talcose argillites	40
			POUDINGUE	880 ma		Unknown transitional conglomerates	?
ARCHEAN BASEMENT				1870 ma 2050 ma		Volcano-sedimentary deposits Granite-gneiss	?

Figure 2.8: General stratigraphy of the Ruashi mine, (after Williams *et al.,* 2008). The field "System" refers to the Supergroup and "Series" refers to the Group.

The Ruashi mine identifies a black ore mineralised zone (BOMZ) unit which is equivalent to the black ore body shale (BOMS) of Kinsevere (Williams *et al.,* 2010).

Williams *et al.,* 2008 has introduced a new unit (MV) in Ruashi which is a massive green siltstone, located between the RAT and the DStrat (Fig. 2.8). The MV unit is well-mineralised with copper and cobalt carbonates (heterogenite and malachite), rarely exceeding 10 m in thickness.

The mapping of the Ruashi Pit 1 was based on descriptions and structural measurements from approximately 80 waypoints in the pit (Fig. 2.9). The measurements for each point have been omitted on this map but are presented in Appendix B

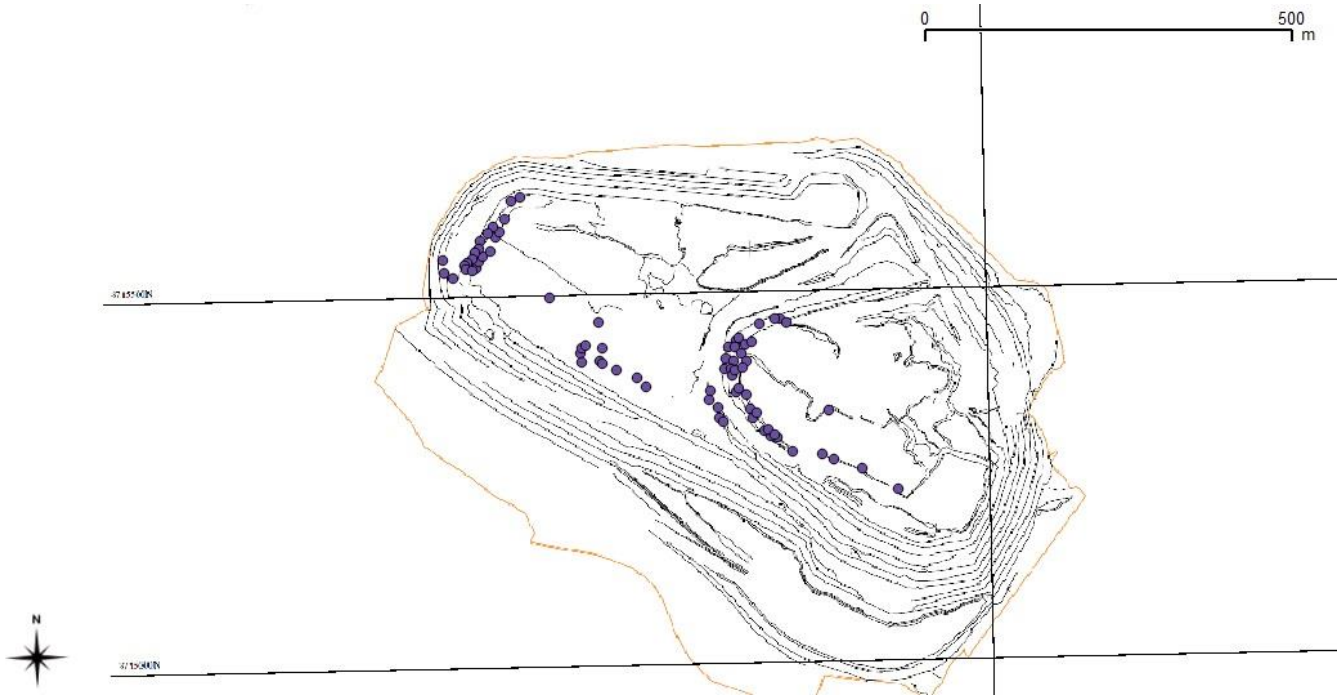


Figure 2.9: Waypoint localities where observation and structural measurements were made in Ruashi pit 1.

Ruashi 1 is mapped by identifying key lithological contacts and structural features. The overall trend of the bedding found in the pit is NW-SE trending, with the dip-direction varying in a sub-vertical fashion between NE and SW. The variable dip direction is the result of a large antiformal syncline that is plunging at 14° to the SE (Fig. 2.10). The RAT, DStrat, RSF, RSC and part of the SD are dipping to the west and the remaining portion of the SD and CMN is dipping to the northeast. The SD is identified to host the hinge of the antiformal syncline, accounting for the bidirectional dip (Fig. 2.10).

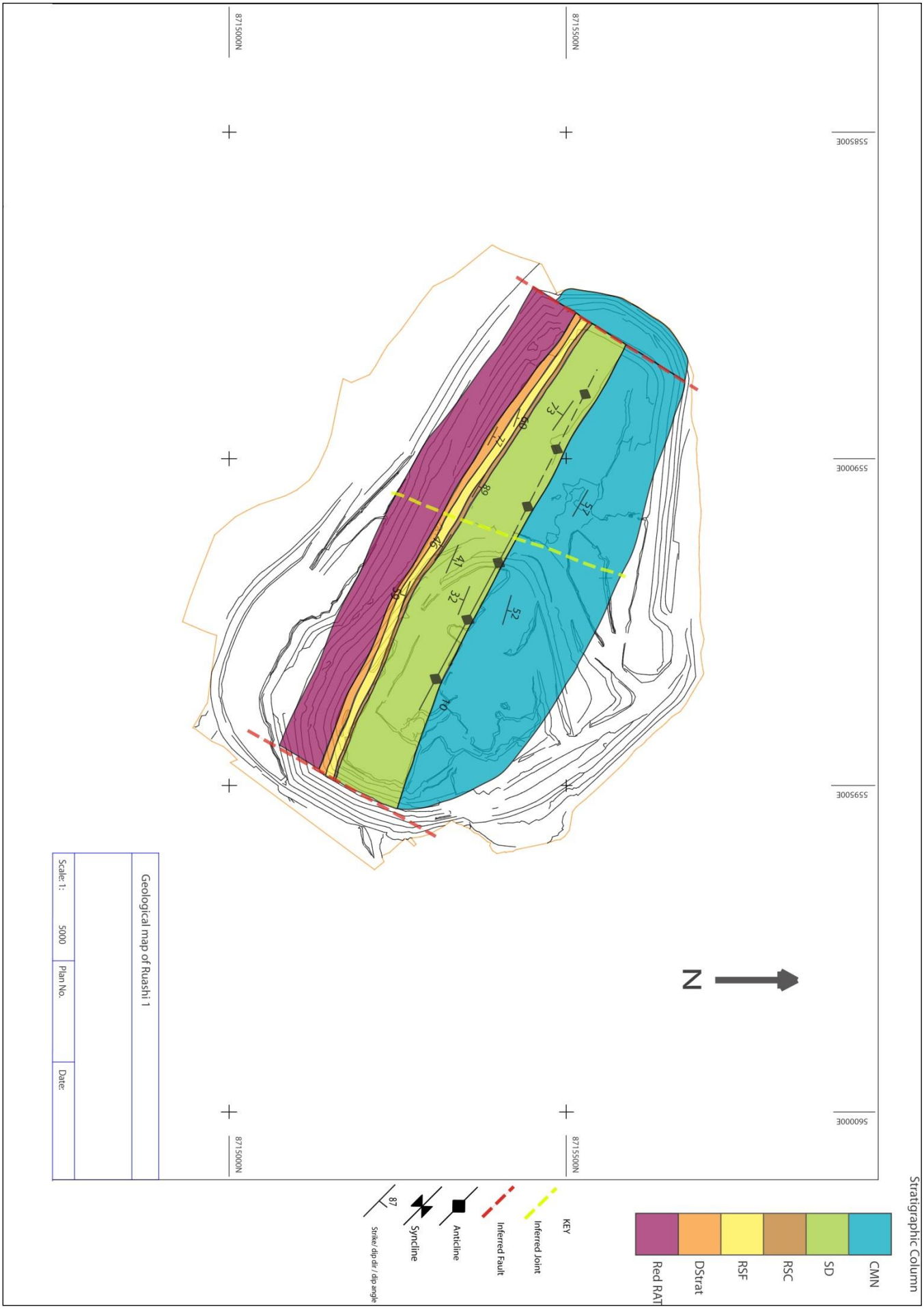


Figure 2.10: Geological map of Ruashi Pit 1. The orientation of the bedding planes is predominantly WNW-ESE, with a sub-vertical dip. There is a series of smaller folds that occur parallel to the large central antiformal syncline

Common lithologies from Ruashi 1 are shown in Figure 2.11

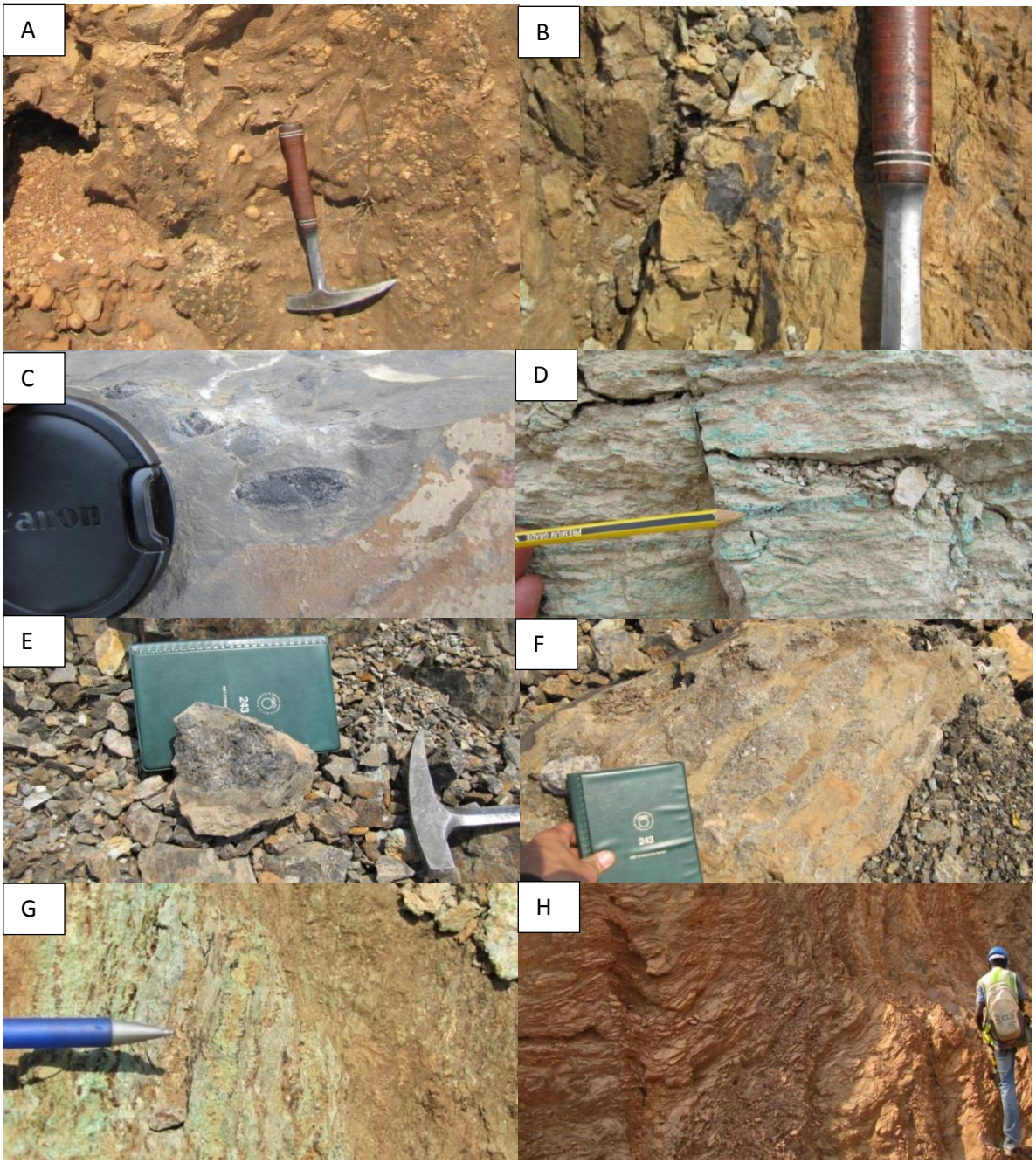


Figure 2.11: The different lithologies from the Ruashi pit. A) RAT from Ruashi with clasts that are generally well rounded and randomly assorted in this breccia. The RAT forms the base of the mineralised orebody (GPS: WGS84 35 S. 0558766; 8715532). B) Minor specularite in the Ruashi pit seen in the RAT. The RAT is a highly oxidised and iron laden unit (GPS: WGS84 35 S. 0558798; 8715538). C) Evaporite nodule in the silicified DStrat from the sulphide facies (GPS: WGS84 35 S. 0559121; 8715355). The nodule is rimmed by a late phase of pyrite and chalcopyrite. D) MV unit showing heterogenite, which has been concluded to be a heterogenite cap on an altered DStrat unit (GPS: WGS84 35 S. 0559214; 8715303). E) Sample of RSC with a large degree of calcite replacement (GPS: WGS84 35 S. 0558812; 8715540). F) RSC unit with lenses of silicified dolomite and calcite with minor primary mineralisation (GPS: WGS84 35 S. 0558815; 8715561). G) SD showing oxidation of primary copper sulphides into malachite and minor heterogenite from the oxide facies due to supergene alteration (GPS: WGS84 35 S. 0558815; 8715547). H) The contorted beds of the CMN. The CMN is poorly mineralised and marks the top of the mineralised orebody (GPS: WGS84 35 S. 0558837; 8715580).

RAT: The RAT has a brecciated texture, with poorly sorted, sub-rounded to sub-angular clasts of talc-altered argillite (Fig. 2.11 A). The southern margin of Ruashi 1 is entirely composed of RAT. The RAT in Ruashi pit 1 has distinctly less specularite than the Kinsevere RAT (Fig. 2.11 B). The DStrat conformably overlies the RAT forming a clear sharp contact.

DStrat: The DStrat is composed of silicified dolomite which has been mineralised by disseminated and vein-hosted sulphides (Fig. 2.11 C). The DStrat lithologies are finely laminated and have undergone a high degree of silicification, making them more competent. The DStrat unit preserves evaporitic nodules that have been scapolitised and in some instances rimmed by pyrite and chalcopyrite. The underlying unit on which the DStrat was deposited varies between the RAT and the MV unit, however as suggested above the MV may simply represent a highly altered facies of the DStrat unit. The DStrat grades upwards into a thinly laminated RSF.

MV (Fig. 2.8): The MV unit is a lenticular body of massive green siltstone that is often pinched out against the RAT by the RSF. This unit is well mineralised with malachite and heterogenite, which imparts a blue-green colour to the unit (Fig. 2.11 D). The mineralisation which may have resulted from focused fluid flow at the contact between the RAT and DStrat is unlikely to be a new unit in the stratigraphy as suggested in Figure 2.8, but rather represents a highly altered DStrat lithology.

RSF: The RSF unit is a thinly laminated, silicified dolomite that conformably overlies the DStrat unit. It is mineralised, to a lesser degree than the DStrat, with malachite, chalcopyrite and carrollite. The RSF is highly oxidised and characterised by a ferromanganese oxide coating. A number of quartz veins, with minor mineralisation, cross-cut the RSF at high angles to the original bedding. Conformably overlying the RSF is the RSC

RSC: The RSC is similar to the RSF in terms of silicification, but has thinly laminated lenses of coarse calcite within the massive stromatolitic-bearing dolomite (Fig. 2.11 E, Fig 2.11 F). Overall the RSC has a massive texture and is competent in relation to the overlying SD unit.

SD: In Ruashi, the SD unit has been divided into basal dolomitic shale and graphite-laden dolomitic shale. The latter is most likely to be the equivalent of the Black Ore Mineralised Shale (BOMS) that was documented in the Kinsevere pit. The BOMS is a black, thinly laminated organic carbon-bearing shale. The dolomitic shales trend in an E-W direction conformably overlying the RSC unit. The contact between the RSC and RSF is oxidised with haematisation observed along the plane. The rock is soft with no evidence of silicification. The bedding planes are relatively thin and highly fractured. The SD unit has regular jointing where the majority of the joints are unmineralised, however, there are traces of malachite mineralisation within these fractures (Fig. 2.11 G). The high degree of

reduction and dolomitisation may be attributed to the presence of organic carbon. Conformably overlying the SD unit is the CMN unit.

CMN: The CMN is a dolomitic shale that is preserved in two varieties, either as a finely laminated argillite or brecciated and highly weathered laterite. It is highly contorted with intricate folding along the bedding planes. The CMN is highly oxidised, exhibiting strong ferromanganese oxide deposition on exposed surfaces (Fig. 2.11 H). The CMN is partially mineralised along the gradational contact between the SD and CMN. Mineralisation in the CMN is poor with marginal grades being deposited in close proximity to the SD-CMN contact.

Stratigraphic controls on mineralisation

In the Ruashi pits there is a lower orebody within the DStrat, RSF and RSC, and an upper orebody in the SD and CMN (Fig. 2.12). However there is a transition zone that parallels the meteoric water line separating the oxide facies from the sulphide facies. This transitional zone (TZ) has been intersected in the silicified units of the DStrat, RSF and RSC units. The TZ is marked by an increase in the organic carbon content within the respective units (Fig. 2.12 A). Mineralisation predominantly consists of oxidised sulphides in the TZ, namely carrollite, and chalcopyrite. Sulphides are associated with evaporites in the RSC and RSF, within calcite-bearing zones. Carrollite in the DStrat is commonly disseminated, although there are both cross-cutting and bedding-parallel veins, which have abundant carrollite and chalcopyrite (Fig. 2.12 B). The DStrat hosts evaporites which have been scapolitised and mineralised by chalcopyrite and pyrite. The RSF and RSC units host both carrollite and chalcopyrite, however, the carrollite in the RSF and RSC is much smaller in grain size than that found in the DStrat. The chalcopyrite is disseminated throughout the RSF and RSC units, however, chalcopyrite tends to be deposited in specific zones within these units (Fig. 2.12 C and Fig. 2.12 D). The SD unit is exclusively mineralised by chalcopyrite and pyrite in the transition zone. The chalcopyrite and pyrite from the SD is disseminated within the unit forming small grains that are 1-5 mm in size (Fig. 2.12 E, Fig. 2.12 F).

In addition to the disseminated mineralisation in the SD, within the sulphides facies, there are also parallel and perpendicularly-oriented mineralised veins with respect to the bedding (Fig. 2.12 E).

Although there is a stratigraphic control on the mineralisation, where the SD and CMN host pyrite and chalcopyrite, compared to the DStrat, RSF and RSC which host carrollite and chalcopyrite, the actual nature of the mineralisation is controlled more by the oxidation front than by the lithological host.

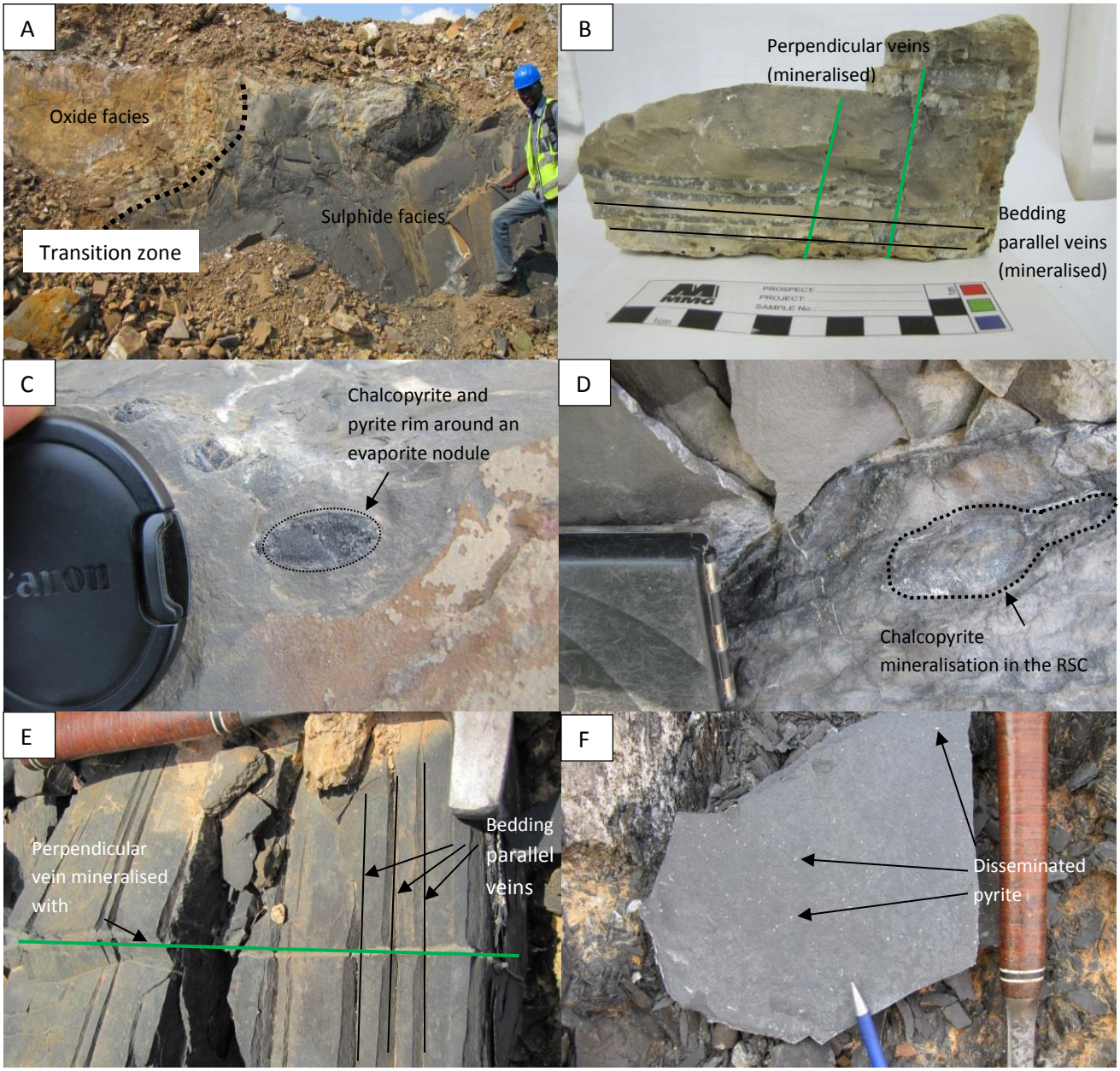


Figure.2.12: Stratigraphic units from Ruashi Pit 1. A) Transition Zone between the oxide and sulphide facies is marked by an increase in the organic carbon content (GPS: WGS84 35 S. 0558952; 8715422). The transition zone is marked by a black alteration of the rock, regardless of composition. B) Fragment of DStrat with bedding-parallel and bedding-perpendicular veins (GPS: WGS84 35 S. 0559134; 8715344)). The veins are mineralised by coarse-grained carrollite and chalcopyrite. C) Disseminated copper sulphide mineralisation in evaporite nodules within DStrat and RSF (GPS: WGS84 35 S. 0559121; 8715355). D) Evaporitic nodules in RSC with rims of chalcopyrite and pyrite (GPS: WGS84 35 S. 0559037; 8715374). E) The SD unit with perpendicularly oriented chalcopyrite and pyrite-bearing vein cross-cutting the bedding planes (GPS: WGS84 35 S. 0558832; 8715562). F) SD unit with disseminated pyrite from the Transition Zone (GPS: WGS84 35 S. 0558909; 8715498).

Discussion

The effect of tectonism in the Congolese Copperbelt has disrupted the strata to a far greater degree than its counterpart in Zambia (Cailteux, 1994). Commonly in DRC, large fragments/megablocks with their relative breccias are observed with salt diapirs and/or salt welds between them (Cailteux and Kampunzu, 1995; Jackson *et al.,* 2003). It is due to this trend in the Congolese Copperbelt, that abrupt changes in the sedimentation of a basin may form disconformities within the strata (Bull *et al.,* 2010).

Common features between the Pits

In both Kinsevere and Ruashi the RAT, DStrat, SD and CMN are comparable in both lithological characteristics and thickness. The composition of the RAT, DStrat, SD and CMN in the Katangan Supergroup is comparable with that identified across the Lufilian Orogeny (Kampunzu *et al.,* 2009; Fay and Barton, 2011). The Roan Group in Zambia and DRC consists of basal siliciclastics overlain by interlaminated carbonates and siliciclastics and capped by carbonates (Kampunzu *et al.,* 2009; Cailteux, *et al.*, 1995). This sequence is comparable to the RAT, DStrat, RSF, RSC, SD and CMN in Kinsevere and Ruashi respectively (Kampunzu *et al.,* 2009; Cailteux, 1994). The upward fining sequence documented by Lerouge *et al.,* (2005) represents a transgressive depositional environment where the coarse-grained arkoses that form the RAT is overlain by fine-grained silts and dolomites from the DStrat, RSF, RSC and SD units. The CMN is believed to mark a eustatic change, where coarse-grained material overlies fine-grained material, indicative of a regressive depositional environment (Lerouge *et al.,* 2005).

Differences between the Pits

The RSF and RSC formations represent the basin margin and barrier reef respectively (Hitzman *et al.,* 2010). However Kinsevere Central pit only exhibits shallow-water lagoonal evaporitic-bearing deposits of the RAT and DStrat (Oosterbosch, 1951; Hitzman *et al.,* 2010), overlain by SD and CMN dolomitic shales and siltstones, so that the RSF and RSC are missing. The RSF and RSC units are well preserved in both the sulphide and oxide facies within Ruashi 1. Both units vary in width between 3-10 m and host significant mineralisation in both the facies.

These missing RSF and RSC units in the Kinsevere pit may have resulted from a change in sedimentation rate caused by a fluctuation in the relative sea level, a collapse breccia or a soft

sedimentary deformation of the marine slope during deposition. Bull *et al.,* (2010) identified four transgressive surfaces within the Katangan basin in the DRC. Of relevance to the Kinsevere mine is the first transgressive phase in which identified evaporitic lagoonal deposits consisting of the Grey RAT, DStrat and RSF units overlie an oxidised clastic basin margin (Bull *et al.,* 2010). The upward-fining trend from coarser-grained basin margin to chemical precipitate sediments is due to a transgressive trend that resulted from either an increase in the eustatic sea-level, or further rifting (Bull et al, 2010). Bull *et al.,* (2010) related the absence of the RSF and RSC units to eustatic changes which caused the sedimentation rates to change and miss the depositional conditions required for the formation of dolomites from the RSF and RSC (Francois and Coussement, 1990). This would require that the marine basin transitioned from a chemical dolomitic depositional environment directly into an argillic depositional environment (Bull *et al.,* 2010). Applying this to Kinsevere Central pit suggests that there was a sedimentation rate change as a consequence of a sudden increase in the rift depth or drop in sea level, which resulted in carbonate beds (DStrat) becoming overlain by argillites (SD).

An alternative could be that soft sediment deformation caused the more competent stromatolitic dolomites, to be displaced down the basin slope. The reason why this may be considered, is due to the fact that small accumulations (5 x 5 m) of possible RSC are seen in the pit as well-silicified boulders. The position of the RSF and RSC might suggest that slumping occurred prior to the deposition of the SD.

Therefore probable reasons for this observation can be explained by either slumping or change in sea level. According to Bull *et al.,* (2010), a drastic change in sea level caused a facies transition from immature chemical sediment to much coarser carbonaceous shale. Alternatively, soft sedimentary deformation of the basin margin may have resulted in the displacement of a significant portion of the Mines Series with the relative RSC and RSF (Hitzman *et al.,* 2010; Hitzman *et al.,* 2012).

The six anomalously silicified outcrops within the Kinsevere Central pit could be silicified fragments of dissolved calcareous overburden. De Putter *et al.,* (2010) noted that artisanal miners had found subvertical dissolution cavities a few meters wide at Kinsevere before large-scale mining took place. The significance of these dissolution features is that selective leaching of calcareous host rocks, left clay and silica residues enriched in secondary Cu (De Putter *et al.,* 2010). These cavities are commonly lined with or filled by secondary oxidised Cu-Co ore as a result of weathered primary sulphides. Therefore the silicified outcrops at Kinsevere could represent previously infilled cavities which resulted from selective leaching.

Specularite is evident in the RAT from Kinsevere and Ruashi, however Kinsevere hosts far more specularite in comparison to Ruashi. A tentative explanation for this is that the Kinsevere deposit was subject to far more oxidised and rich fluid-circulation than Ruashi.

The high proportion of specularite occurring in late stage brittle structural features such as veins and faults in RAT lithologies indicates large volumes of circulating iron-rich fluid flow (Kampunzu and Cailteux, 1999; Fay and Barton, 2011) particularly in Kinsevere Mine. This would imply that late stage, iron-rich fluids circulating through the system were syn- to post-mineralisation with a temperature of at least 96°C (Fig. 2.13).

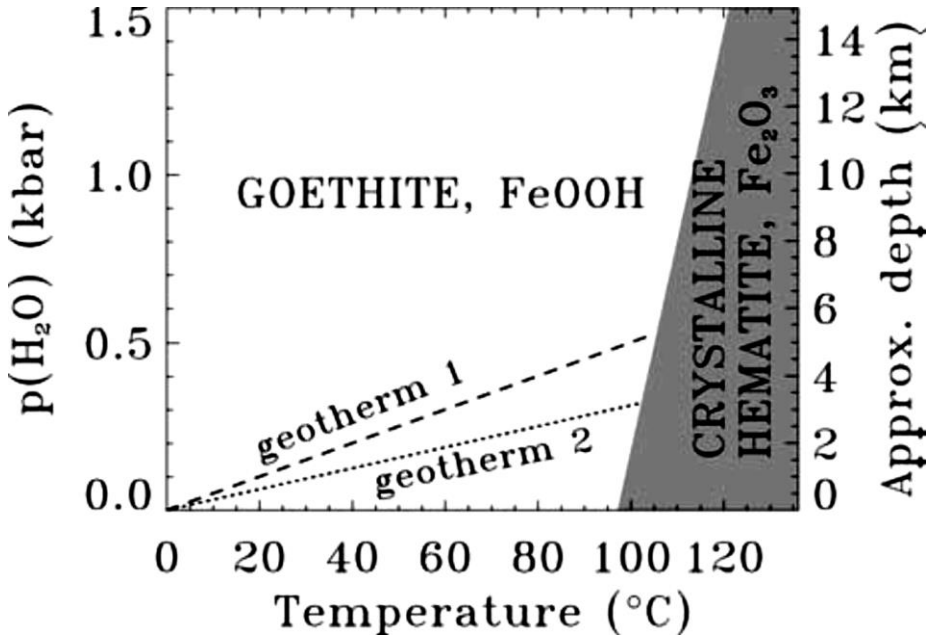


Figure 2.13: Stability fields of goethite and hematite as a function of temperature and H_2O pressure (after Catling and Moore, 2003). For most geological situations the H_2O pressure can be taken as being approximately equal to the lithostatic pressure. On the right, the equivalent subsurface depth is shown. At depth, hydrous iron oxides (typified by goethite) recrystallise to coarsely crystalline hematite due to heating.

The possibility of iron-bearing fluids circulating through the Roan Group sediments may also account for the relative depletions in cobalt and copper with respect to iron. The iron sulphides and haematisation is predominantly found in the upper Mines Series in the respective pits, possibly indicating the deposition of copper and cobalt occurred before that of iron.

The presence of the green siltstone layer (MV) in the Ruashi pit between the RAT and the DStrat lithologies does not conform to the stratigraphy of the Katangan Basin. The MV unit is suspected to be a heterogenite-bearing portion of the DStrat layer in contact with the RAT at potential alteration zones (Heijlein *et. al.,*2008 Rose, 1989; Schuh *et al.,* 2012). The DStrat unit is exposed in the sulphide facies with a high degree of cobalt and copper sulphide mineralisation in the veins as well as

disseminated within the silicified dolomite. In progressing upward through the Transition Zone into the oxide facies, this highly silicified unit becomes enriched with malachite and heterogenite, giving the rock a fine-grained, green appearance. Schuh *et al.,* (2012) noted that the alteration of cobalt bearing minerals readily alters to heterogenite at Tenke-Fungurume. The MV unit is interpreted in this thesis to be a highly altered portion of the DStrat unit which has undergone excessive supergene alteration, resulting in the deposition of a heterogenite between the RAT and the DStrat (Rose, 1989; Schuh *et al.,* 2012).

The comparison of the CMN in the Ruashi pit against the CMN in the Kinsevere Central pit tentatively illustrates that the CMN in the Ruashi has undergone a higher degree of metamorphism than at Kinsevere. The presence of muscovite in the CMN from Ruashi, and the lack of any mica in Kinsevere indicate that there might be a slightly higher metamorphic grade in Ruashi, or that it was better preserved (Catling and Moore, 2003). It is possible that the clay minerals from the CMN were metamorphosed to greenschist facies during tectonism, preserving muscovite as a result. Kinsevere is more tectonically disrupted, with large portions of the RAT being brecciated and significant hydrothermal brecciation in both the CMN and the SD formations. These characteristics provide possible reductions in the metamorphic grade and therefore would not likely form muscovite. Alternatively the muscovite is detrital, however it is not constrained to bedding planes. The CMN from Kinsevere exhibits a far higher degree of haematisation as well as large proportions of specularite mineralisation, further substantiating a higher fluid flow and less structural deformation.

Conclusion

The mines from the eastern portion of the Lufilian Arc in the DRC have common characteristics with subtle variations between them.

The composition of the units is roughly homogeneous across the Lubumbashi district and potentially across the Katangan basin. Comparisons between the two pits indicate that the depositional environment and basin evolution differs, depending on locality within the Lubumbashi District. Different sedimentary conditions, relative sea level changes or soft sedimentary deformation have displaced some of the stratigraphic units as in Kinsevere where the RSF and RSC were not deposited.

The respective host lithologies and characteristics of mineralisation, whether it is vein-hosted, disseminated or remobilised, is the same for both pits. The oxide facies almost exclusively hosts supergene altered mineralisation that is composed of malachite, heterogenite, chrysocolla and minor azurite. The main conduits for the permeation of the fluids which promote supergene

alteration are the faults, which are largely oxidised, as well as breccia zones. Multiphase mineralisation is present in the veins where more than one influx has been identified to have intruded along a pre-existing vein.

There is an iron-rich fluid understood to have been circulating through the Roan Group strata at a late stage during orogenesis. This iron-bearing fluid has resulted in the deposition of specularite in the RAT as well as oxidising and haematising the overlying strata, in particular the faults and fractures.

The fold hinges are predominantly observed in the SD and CMN units possibly due to a competency contrast between them and the DStrat, RSF and RSC. The thrusting during orogenesis that has been linked with the formation of the folds in the respective pits is thrust towards the NE. The Kinsevere pit does not clearly indicate a NW-SE oriented fold axis related to the Fold-and-Thrust belt due to a clockwise rotation, believed to have occurred during late Monwezian deformation.

To further understand the forms of the preserved units and their evolution in each of the pits, structural analysis was undertaken in order to identify the timing relationships and possible regional kinematics that led to the formation of the two deposits.

Chapter 3

Structural Geology

Structural overview of the Democratic Republic of Congo

The structural geology of the Katangan Supergroup within the DRC is characterised by fragments of metasedimentary rocks that are folded into a series of steeply dipping antiforms and synforms. The folding is related to the formation of the Fold-and-Thrust Belt of the Lufilian Arc (Kampunzu and Cailteux, 1999). The vergence of the folds in the Lubumbashi district is to the north-east and east. In the Shaba Province of the DRC, a low friction detachment proposed to have been a result of salt extrusion along the basal contact between the basement and overlying strata, allowed for the large scale displacement (±150 km) of the external Fold-and-Thrust Belt of the Outer Lufilian Zone (Jackson *et al.,* 2003; Porada and Berhorst, 2000; Kampunzu and Cailteux, 1999). Salt tectonic extrusions, otherwise known as halokinesis, account for the occurrence of pre-existing salt-sediment extrusive layers, over an area of approximately 25,000 km^2 in DRC (Jackson *et al.,* 2003). Halokinesis produced allochthonous sheets containing megabreccia rafts of RAT and Roan Group sediments up to 10 km long with associated diapiric structures (Jackson *et al.,* 2003). Crustal shortening during the Lufilian Orogeny flattened the diapirs during the thrusting phase forming salt welds. Halokinesis is considered to be a major factor in the formation of the structures identified in the Fold-and-Thrust Belt (Jackson *et al.,* 2003).

Halokinesis

Ideas have been adapted and developed from hydrocarbon exploration in the Gulf of Mexico as well as the South Atlantic for the evolution and influence of halokinesis on the Lufilian Arc. The transportation of megabreccia blocks, composed of sedimentary rocks from the Katangan Basin and its development from the Neoproterozoic through to the Cambrian, is attributed to halokinesis or salt tectonics (Jackson *et al.,* 2003). The process involves the subsurface flow of salt resulting from tectonic activity in which salt extruded along the basal contact between the Katanagan Supergroup and the basement granite, lubricating it (Hitzman *et al.,* 2010; Jackson *et al.,* 2003). Salt extrusion and dissolution created the allochthonous nature of the overlying Katangan Supergroup by buoying up the overlying strata on a low friction surface (Jackson *et al.*, 2003; Kampunzu and Cailteux, 1999). The allochthonous nature provides a significant control on the style and location of deformation on the Katangan Supergroup within the Congolese portion of the Katanga basin (Jackson *et al.,* 2003).

The Zambian portion of the Lufilian Arc is commonly referred to as being autochthonous whereas the Congolese portion of the Lufilian Arc is allochthonous (Jackson *et al.,* 2003; Cailteux, 1994). An autochthonous sequence describes the original stratigraphic sequence found in the same place that it formed. By contrast an allochthonous sequence describes the lateral displacement of the original stratigraphic sequence by some degree, where the original stratigraphic sequence is preserved and appears to be concordant. The allochthonous megabreccia rafts that make up the Congolese portion of the Lufilian Arc are neither randomly broken nor re-oriented, but rather lie concordantly on the depositional surface approximately 150 km from their original position (Jackson *et al.*, 2003). The megabreccia rafts differentiate the Congolese Copperbelt from the Zambian Copperbelt autochthonous and allochthonous sequences (Fig. 3.1) (Jackson *et al.,* 2003; Cailteux, 1994; Francois, 1992, 1993). Allochthonous sheets vary greatly in size and shape with some examples exceeding 100 km (Hitzman *et al.,* 2010). The allochthonous sheets from the DRC are composed of overlying Roan strata transported over approximately 150 km (Diegel *et al.,* 1995).

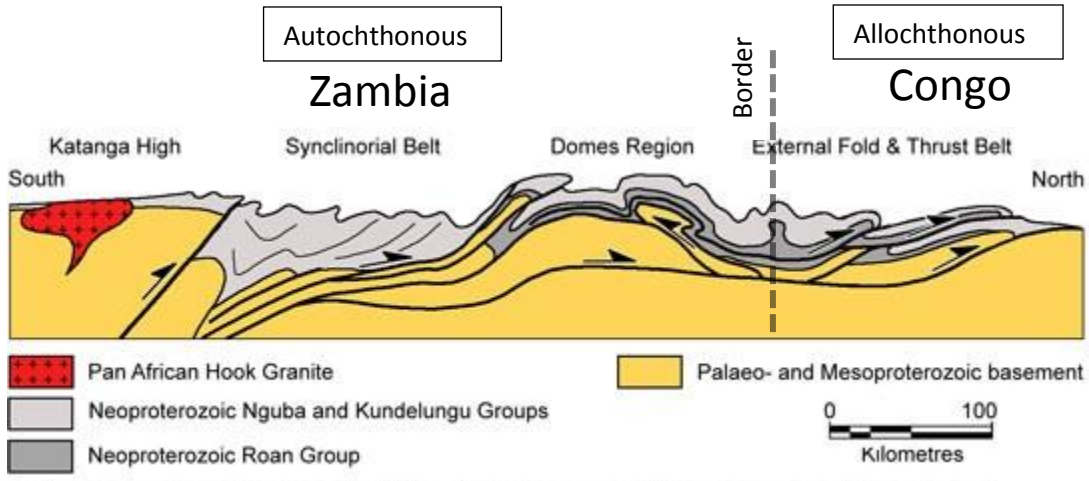


Figure 3.1: A cross section through the Lufilian Arc from Zambia to DRC (modified after Selley *et al.,* 2005; Porada, 1989). The cross section illustrates a regional detachment between the Palaeo- and Meso-Proterozoic basement and the Roan Group as well as the autochthonous and allochthonous nature of the Zambian and Congolese stratigraphy respectively.

The origin of the salt tectonics in the Katangan basin is highly debatable and several hypotheses have been proposed (McGuiness and Hossack, 1993; Fletcher *et al.,* 1995; Jackson *et al.,* 1995). The salt sheets are thick and viscous. This allowed the extruding salt sheets and diapirs to disrupt and break up the hanging wall strata in the Congolese Copperbelt (Jackson *et al.,* 2003). A likely cause for the extrusion of salt in the Katanagan basin is due the formation of the Sturtian and Marinoan glacial events (Jackson *et al.*, 2003). These glaciations increased crustal loading on the underlying lithologies and aided the extrusion of salt sheets, possibly increasing the rate at which halokinesis took place (Martin *et al.,* 1985; McGuiness and Hossack, 1993; Fletcher *et al.,* 1995; Jackson *et al.,* 1995).

Evidence for glaciation-induced halokinesis is indicated by the rapidly subsiding Kundelungu basin. The Katangan Basin would have provided suitable sites for extensive, stationary, Sturtian glacial deposits (730 Ma) (Porada and Berhorst, 2000). Fay and Barton, (2011) have further interpreted the salt movement to have begun at the same time as the deposition of the Grand Conglomerat.

Deformation

The formation of the arcuate Lufilian Arc and the deformation events that led to its present form is a debateable issue. Suggestions on the formation of the Lufilian Arc vary from extrusion-type Himalayan models, where blocks of lithosphere are transported laterally and indent the collisional interface (Tapponnier *et al.,* 1982; 1986), to domal upwelling of granitic plutons that have the respective strata deformed around the intrusions of the Domes Region (Kampunzu and Cailteux, 1999).

Tectonogenesis of the Lufilian Arc is related to the Pan African collisional event at 580-520 Ma (Porada and Berhorst, 2000). Three deformation events have been identified within the Lufilian Orogeny (Kampunzu and Cailteux, 1999; Scott *et al.,* 2010; Kipata *et al.,* 2013).

(1) Initial compressional stress, as a result of the early Kolwezian Phase deformation (D1), is preserved as north-verging folds (Kampunzu and Cailteux, 1999). This early phase deformation is related to the collision between the Congo and Kalahari cratons after the formation of the Katanagan Basin (Kampunzu and Cailteux, 1999; Cahen *et al.,* 1984; Francois, 1993). Crustal shortening during the Lufilian Orogeny separated and ramped blocks of the Katangan Supergroup over each other forming poorly developed duplexes, thus preserving the internal stratigraphy (Kampunzu and Cailteux, 1999; Rainaud *et al.,* 2005). Discordant and layer-parallel breccias are closely related to the thrusting and nappe displacement observed in the Katangan Supergroup (Cailteux and Kampunzu, 1995). The discordant breccias have resulted from diapiric upwelling and are commonly seen cross-cutting the Roan Group rocks at a high, sub-perpendicular angle to the bedding planes (Jackson *et al.,* 2003; Cailteux and Kampunzu, 1995). Relationships were identified between the discordant and layer-parallel breccias as well as major thrust faults in terms of high pore-fluid pressure as a result of evaporite dissolution and alteration (Cailteux and Kampunzu, 1995; Jackson *et al.,* 2003; Wendorff, 2011). The evaporite-bearing beds of the Roan Group are strongly associated with deformation and brecciation due to their low competency relative to the other sedimentary Groups (Kampunzu and Cailteux, 1999) with potential salt mobilisation during the Grand and Petit Conglomerate times.

(2) The Monwezian event (D2) is characterised by E-W sinistral strike-slip faulting (François, 1987; Kampunzu and Cailteux, 1999; Kipata *et al.,* 2013). In the western arm of the Lufilian Arc, megabreccias associated with deformation of the Roan Group have been identified in regional overthrusted, anticline flanks within klippen (e.g. Kolwezi), discordant diapiric intrusions, and in late-stage oblique strike-slip fault zones (Jackson *et al.,* 2003). Deformation of the Katanga Supergroup sedimentary rocks in the Fold-and-Thrust Belt of the Lufilian Arc created abundant brittle structures (François, 1987; 1993; 2006; Cailteux and Kampunzu, 1995; Jackson *et al.,* 2003; Wendorff, 2011). After Kolwezian folding and thrusting the deformation of the Lufilian Arc occurred on a more localised scale, being confined to fault zones (Kampunzu and Cailteux, 1999). Locally the strike-slip faults and to a lesser extent thrusts, have undergone clockwise rotation relating them to the eastward expulsion of material as opposed to a NE- vergence of folds (Kipata *et al.,* 2013; Kampunzu and Cailteux, 1999). A possible reason for the lack of rotation of the faults is attributed to them being younger than the strike-slip faults (Kipata *et al.,* 2013). These faults are observed to be broadly parallel to the strike of the Lufilian Arc and displaced the Katangan lithologies over large distances during the Monwezian deformation phase (D2) in an eastward direction (Kampunzu and Cailteux, 1999). Clockwise rotation is confined to the eastern limb of the Lufilian Arc (Unrug, 1983; Kampunzu and Cailteux, 1999; Kipata *et al.,* 2013). The inferred SE-tectonic escape suggests that sinistral shearing, attributed to strike-slip faulting, is a common D2 deformation feature of progressive cratonic interaction (Kipata, *et al.,* 2013; Kampunzu and Cailteux, 1999).

(3) The Shilatembo event (D3) is commonly attributed to the formation of the late NW-SE compressional phase that gives rise to NE-SW trending upright folds (François, 1987; Kampunzu and Cailteux, 1999; Kipata *et al.,* 2013). Cahen, (1984) described the Monwezian and Shilatembo deformation as a strike-slip faulting system. The extensional stress regime that occurred during D3 deformation is the final regional scale structural event identified in the Congolese Copperbelt and is expressed by N-S oriented extension related to the East African Rift System (Unrug, 1983).

Most of the deposits in the Central African Copperbelt have formed adjacent to the early stage syn-sedimentary growth faults (Hitzman *et al.,* 2013). These structural controls are well preserved and illustrated in the autochthonous Zambian Copperbelt and allochthonous Congolese Copperbelt (Hitzman *et al.,* 2013). Linear features such as striations and slickensides along the fault planes are commonly obscured by mineralised breccias as a result of hydrothermal and supergene alteration (Kampunzu and Cailteux, 1999). Hitzman *et al.,* (2012) indicated that the broad facies patterns observed in and between the fragments found at the flanks is locally structurally disrupted, but

regionally unchanged due to salt extrusion. The controls on mineralisation have a considerable impact on the development of exploration targets.

Regionally the structural features in the Lufilian Arc are slightly different when comparing the eastern portion to the western portion. Due to the location of the study in the Lubumbashi district, on the eastern portion of the Lufilian Arc, DRC, certain structural features identified in other areas may not be present.

Local geology of the eastern portion of the Lufilian Arc, Lubumbashi district

The Lubumbashi district encompasses the Kinsevere Central pit and Ruashi pit 1 mining operations, and is located in the southeastern portion of the Lufilian Arc. The Kinsevere mine is located approximately 40 km north of Lubumbashi whereas the Ruashi mine is located approximately 10 km east of Lubumbashi (Fig. 3.2).

The geological map in Figure 3.2 illustrates the location of the Lubumbashi district in relation to the Fold-and-Thrust Belt, expressed by the occurrences of NW-SE trending Roan Group strata. The surface expression of the Roan Group, Lower Kundelungu Group and Upper Kundelungu Group form a series synclines and anticlines that have been thrust in a NE direction (Cailteux and Kampunzu, 1999). The ridges are commonly occupied by older material, such as the Roan Group, and surrounded by younger material from the Kundelungu Group. Refolding is present in some of the ridges, where synformal anticlines or antiformal synclines are formed. An antiformal syncline is occupied by younger material but with the shape of an anticline, whereas a synformal anticline has an older core but a syncline shape (Ramsay and Huber, 1987). Based on the younging direction of the respective strata it is possible to deduce that the Ruashi pit 1 mine is regionally situated on a synformal anticline (Fig. 3.2). Close inspection of the Roan and Kundelungu Groups in Figure 3.2 suggests that the folds are doubly plunging. This trend is best explained by type 1 interference folding which is commonly produced by a change in the stress field, or two phases of deformation (Fig. 3.3) (Ramsay, 1967; Ramsay and Huber, 1987).

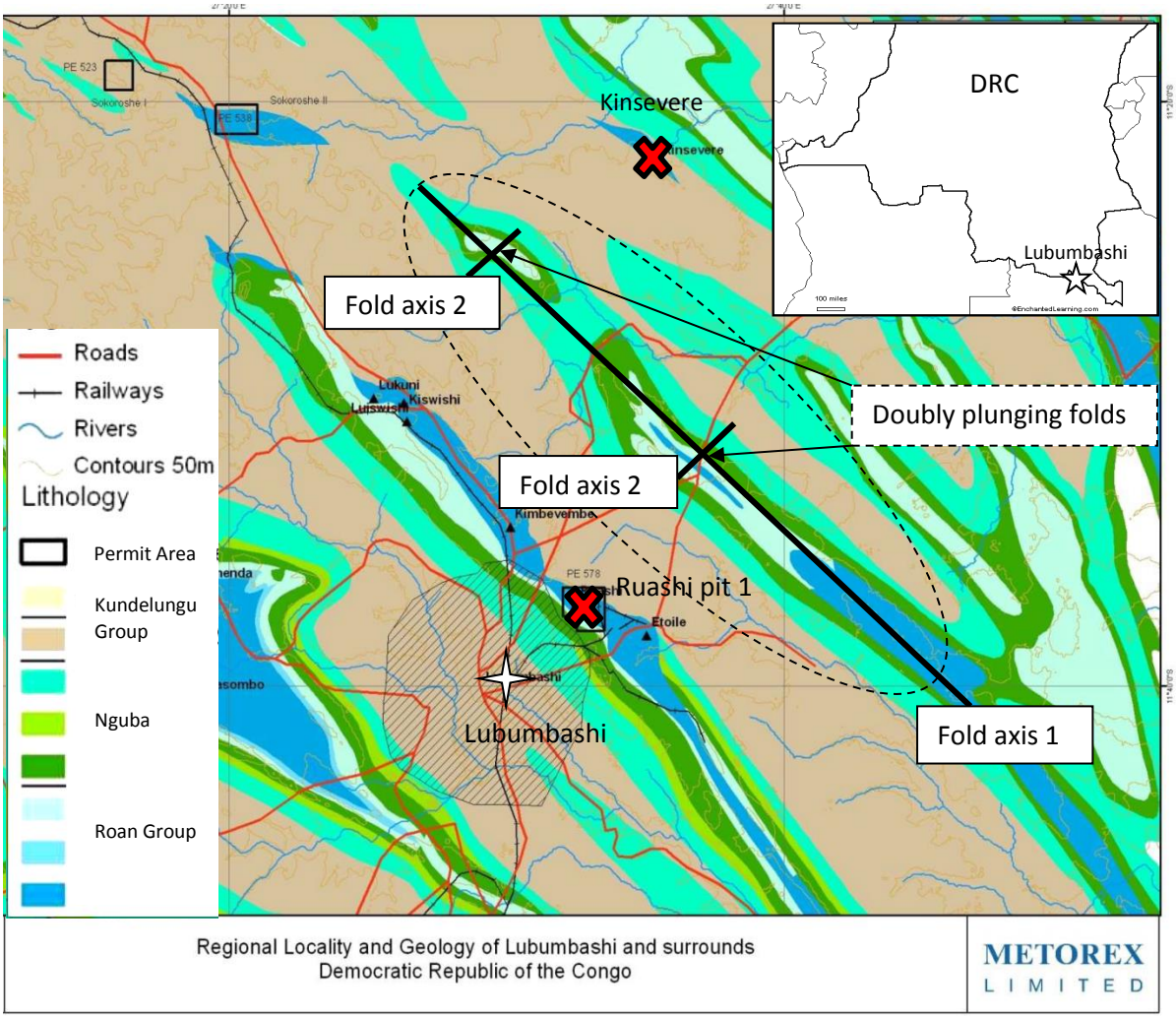


Figure 3.2: Geological map illustrating the location of the Kinsevere and the Ruashi mines, modified after Williams *et al., (*2008). The folds identified on the map are doubly plunging as a result of poly-directional deformation. From this map the Ruashi mine is seen to be situated on an antiformal syncline.

Poly-phase deformation involves one deformation event in a primary orientation that has for some reason or other, undergone a shift in the maximum compressive stress and begun to fold the pre-existing folds (Fig. 3.3).

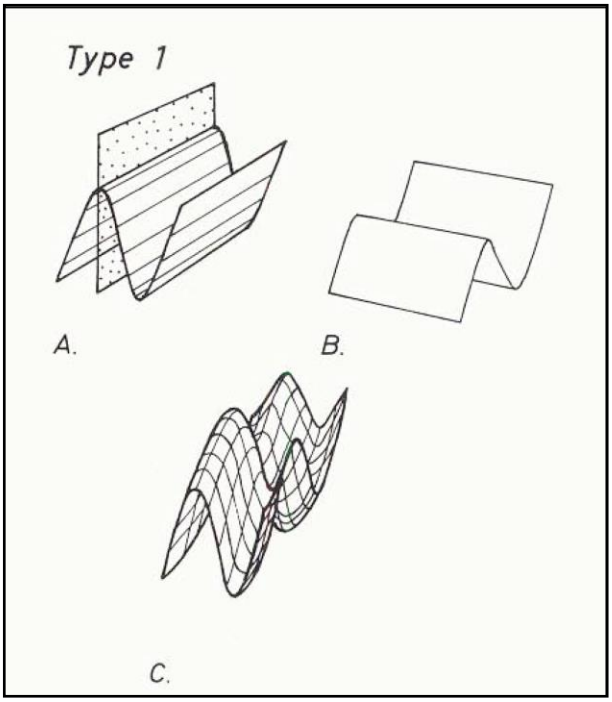


Figure 3.3: Type 1 interference folding (after Ramsay and Huber, 1987). Type 1 interference folding results in dome-basin patterns after two phases of deformation. A) Initial phase of deformation resulting in a fold. B) Second phase of deformation oriented perpendicularly to original compressive stress. C) Resultant fold interference pattern

In order to identify the local geological features and relate them to the regional structures, the respective pits were mapped by focusing on lithological and structural features. The structural features analysed are bedding planes, faults, folds, joints and veins. The veins were then classified as mineralised or unmineralised.

The analyses of the faults were done using Anderson's theory of faulting (Anderson, 1942). This theory uses the principle stress directions in conjunction to Coulombs law of failure, to classify the sense of slip along fault planes. This theory generalises faults into normal, thrust and strike slip faults (Fig. 3.4).

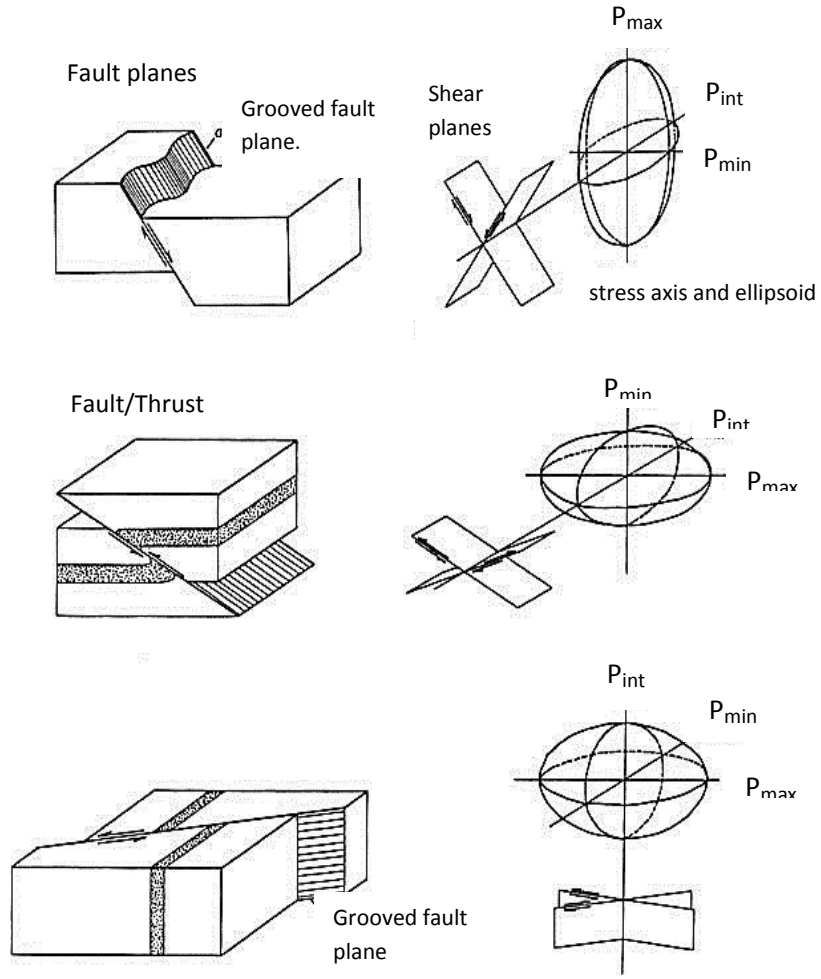


Figure 3.4: Anderson's classification of faults represents a normal fault, reverse/thrust fault and strike-slip fault commonly found in or near the Earth's surface (Anderson, 1942). The principle stress directions are represented as follows: maximum compressive stress (P_{max}), intermediate stress (P_{int}) and the least compressive stress (P_{min}). The principle stress directions are oriented in their respective reference planes according to which fault system they are describing.

Structural pit mapping

Kinsevere Central pit:

In a first pass the Kinsevere Central pit is visibly offset by a strike-slip fault from the Tshifufiamashi and Kinsevere Hill fragments. The orientation of the strata and the features preserved within the Central pit are unaffected by the fault, preserving a complex folding system.

Bedding Planes

The orientation of dip angles for bedding is variable due to minor, metre-scale folding. The bedding planes in the northern portion of the pit are well preserved as sub-vertical planes that have numerous minor folds associated with the larger syncline (Fig. 3.5).

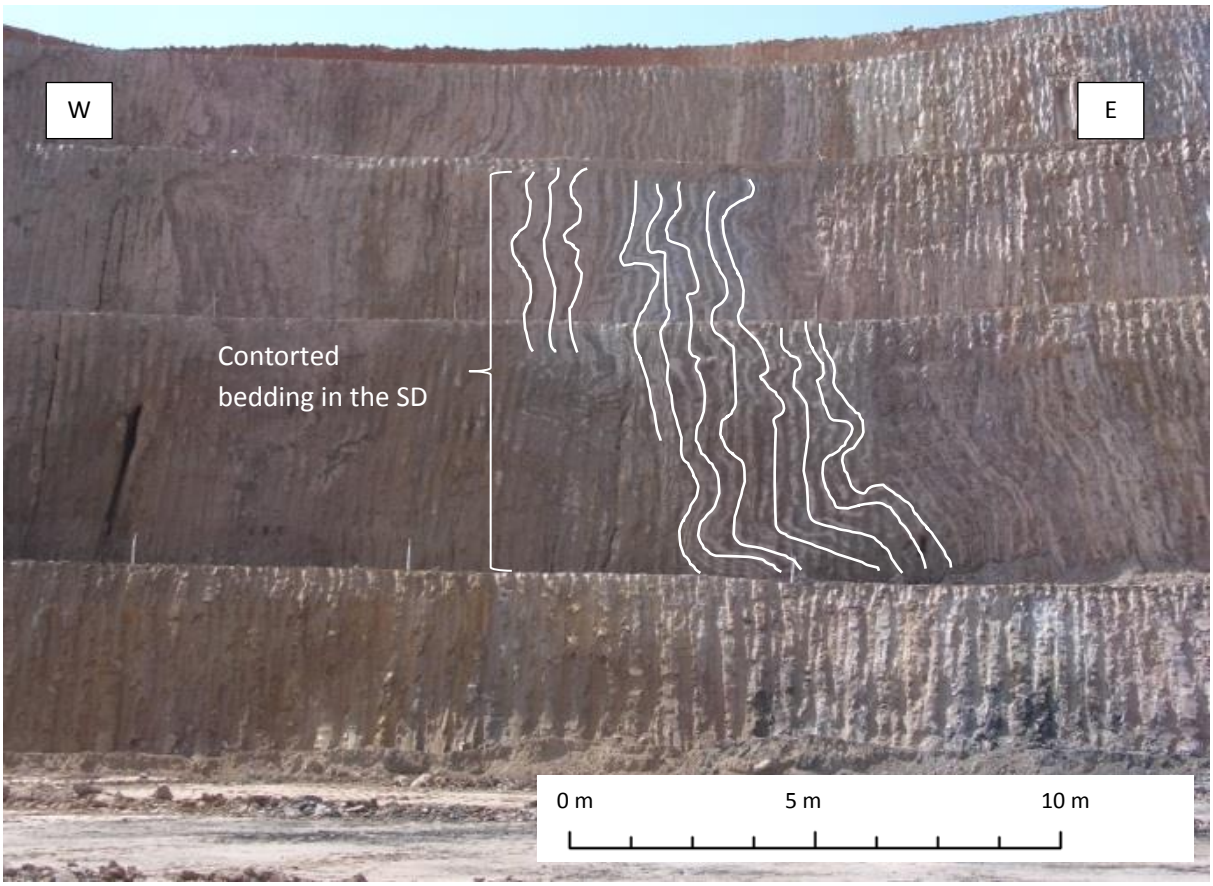


Figure 3.5: Cross section of the northern wall, looking north. The cross section demonstrates the variable dip direction and dip angle of the bedding planes within the SD and CMN lithologies

In contrast, the bedding planes in the southern portion of the pit are predominantly faulted with few folds present. Overall the bedding planes in the Kinsevere Central pit strike NNE-SSW with an orientation of 187°/84°E. This near vertical orientation results in a slight variability of the dip direction. The dip direction is either to the east or to the west (Fig. 3.6 A). A slight dispersal in the poles to bedding planes is attributed to folding of the bedding where a variable dip angle and dip direction is seen. Most of the steeply dipping planes (≈ 75% of the measurements) are striking NNE-SSW. However, there are a few outliers (25%) that are moderate to sub horizontally oriented (Fig. 3.6 B).

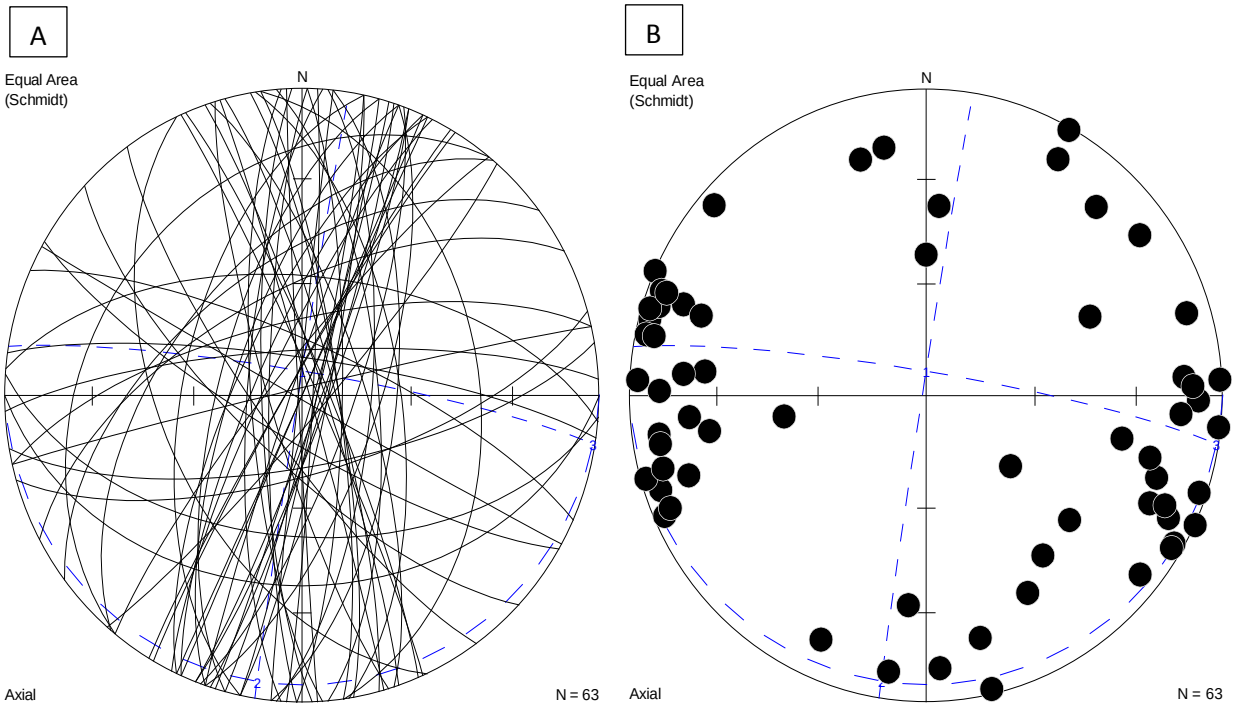


Figure 3.6: Bedding planes for the Kinsevere Central pit. A) The stereoplots for the majority of bedding planes represent a steeply dipping, broadly N-S striking orientation. The bedding dips steeply towards either the west or east due to folding. B) Stereoplot of poles to bedding planes which illustrates the variability of the outliers as well as a strong orientation of planes around N-S axis.

Folding

From Chapter 2, two gently plunging fold systems were identified in Kinsevere Central pit thus indicating a large syncline and anticline at a sub-perpendicular orientation to each other. The main fold is a N-S striking syncline.

A NW-SE trending fault (named the Reference Fault) extends across the centre of the pit, dividing it into two blocks. The northern portion is termed ‘Block 1’ and the southern block is termed ‘Block 2’. Two dominant folds have been identified in Kinsevere Central pit. Block 1 hosts an E-W section and Block 2 preserves a N-S section of the Kinsevere Central pit deposit.

Block 1

Figure 3.7 shows an asymmetric fold with a NE vergence. Block 1 has numerous cm-scale folds within the bedding that are associated with the large syncline (Fig. 3.7). The minor folds are best preserved in the SD unit and have similar fold axes to the N-S trending, shallowly dipping syncline. The axial plane is moderately plunging to the SW.

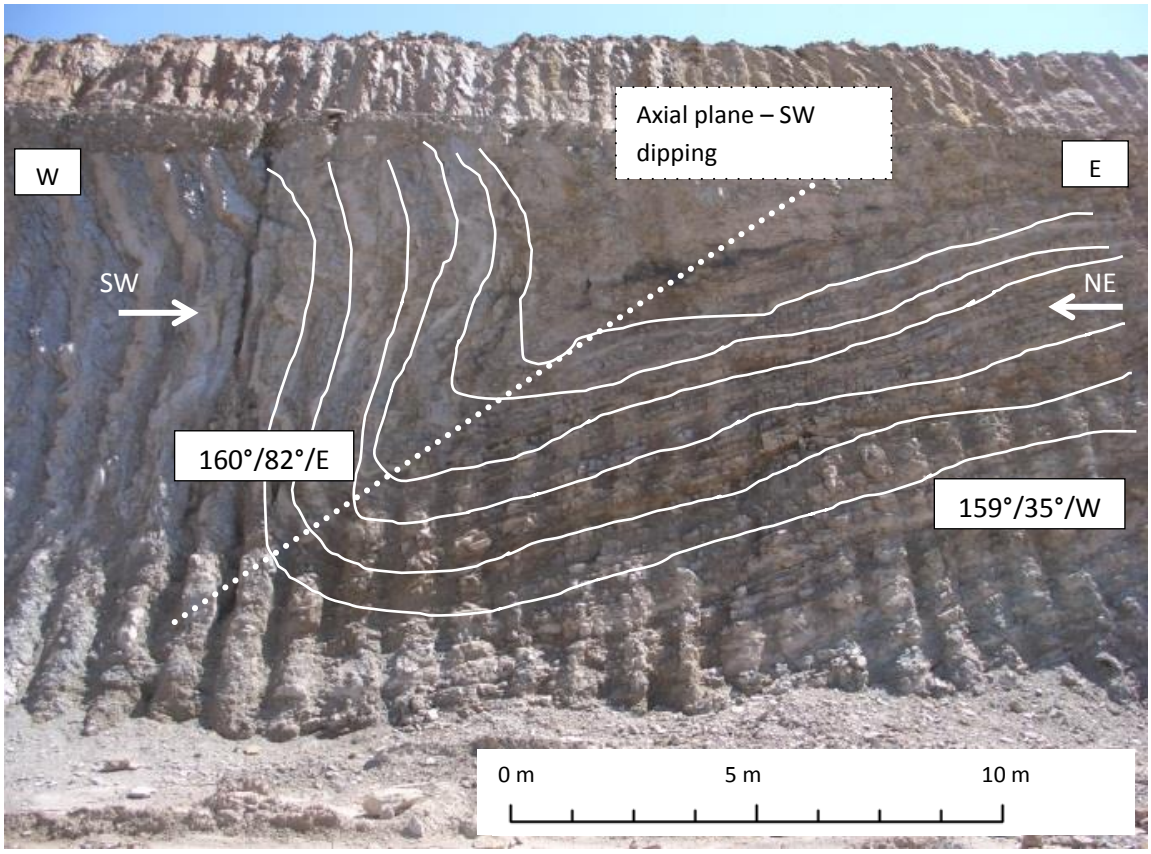


Figure 3.7: Syncline from Block 1 with its respective bedding plane measurements. The bedding orientations for the fold limbs are 160°/82°/E and 159°/35°/W. The shortening direction is suspected to be oriented SW-NE. The axial plane (dotted line) is estimated to be moderately SW dipping

Figure 3.8 A illustrates the poles to bedding in the respective fold limbs associated with the syncline in Block 1. The measured fold axis for the syncline has an azimuth of 166° and a plunge of 06°. The measured fold axis is consistent with the intersection point of bedding planes, which are shallowly dipping to the SSW or NNW as seen in the stereographic projection. The SSW plunging fold axis is further indicated by the incomplete girdle formed by the poles to planes, which strikes ENE-WSW (Fig. 3.8 B).

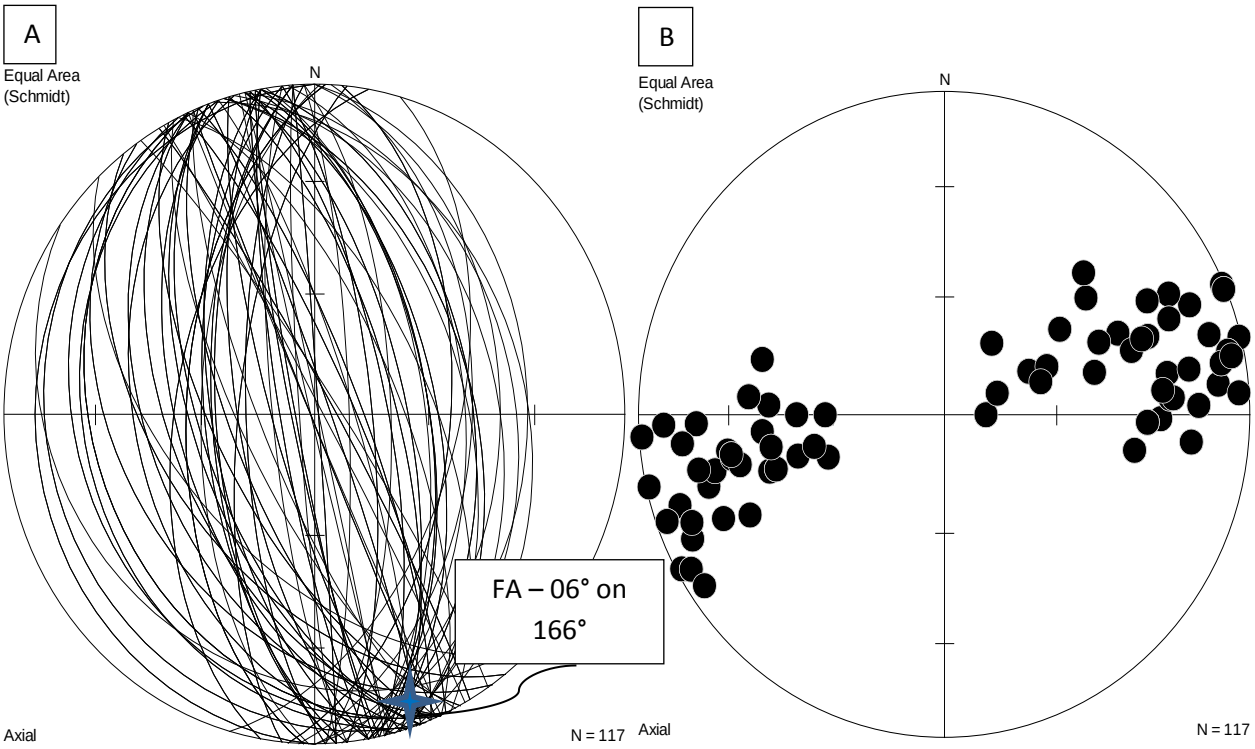


Figure 3.8: Stereoplot of the great circles that make up the syncline and the poles to bedding planes from Block 1, Kinsevere Central pit. A) Stereonet illustrating a number of NE and SW dipping planes that have variable dip angles between 35° and 72°. The fold axis (FA) constructed from the intersection point between the bedding planes is consistent to the fold axis measured in the field at 06° towards 166°. B) Poles to the respective bedding planes of the fold limbs for the syncline are dispersed in a poorly formed girdle that is compatible with the SSE trending fold axis.

Block 2

A pit-sized, large scale antiform with a relatively long wavelength within the SD and CMN lithologies is identified in Block 2 (Fig. 3.9). The fold axis constructed from the intersection point between the limbs is stereographically determined to be trending in a WSW direction (Fig 3.10). The poorly constrained intersection points do not define the exact azimuth or plunge of the fold axis, however the fold axis was measured in the field to be plunging at 54˚ towards 252°.

The orientation of the fold axial plane formed sub-perpendicularly to the compressive stress, which plunges at 55°on an azimuth of 252°. Comparison between the folds from Block 1 and Block 2 indicate that the two folds are orthogonal to each other and might be the result of a change in the shortening direction.

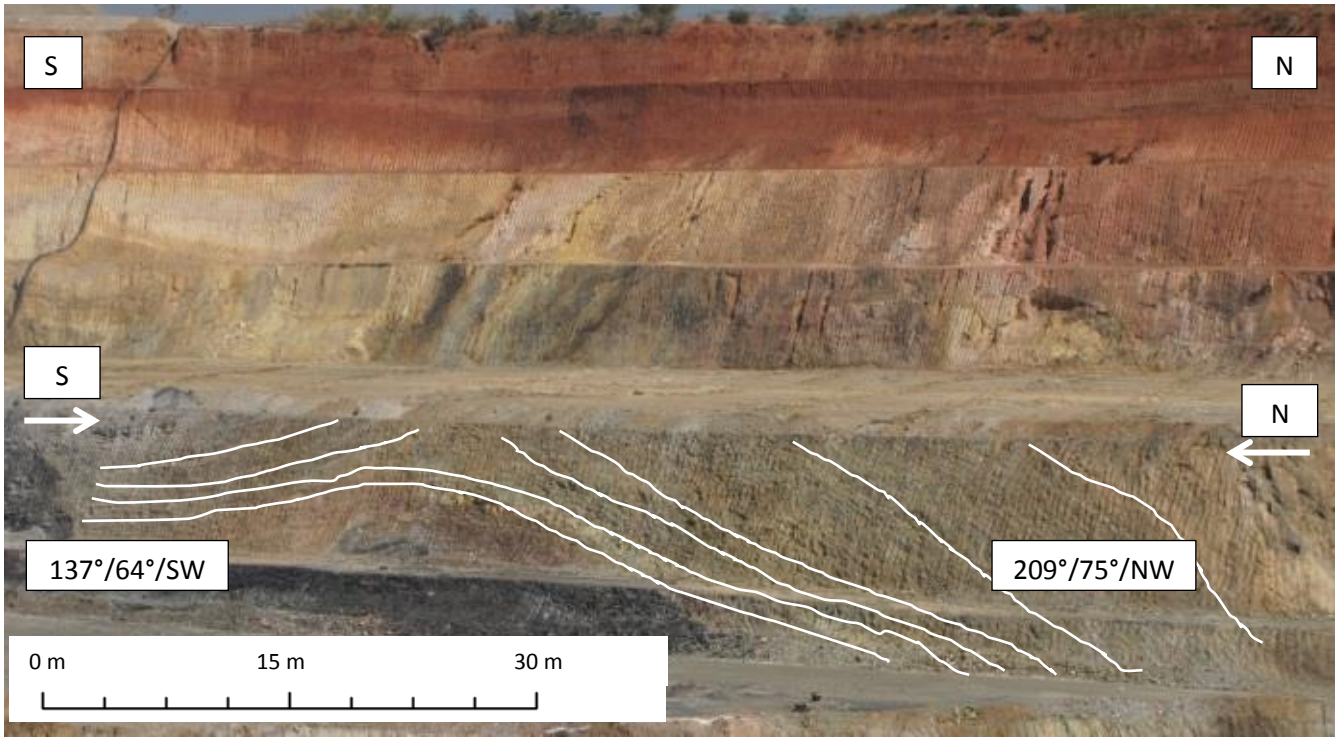


Figure 3.9: Open anticline in the SD and CMN from Block 2. The bedding planes on the respective limbs dip SW and NW, forming an open anticline with an E-W trending fold axis. The shortening axis appears to be N-S.

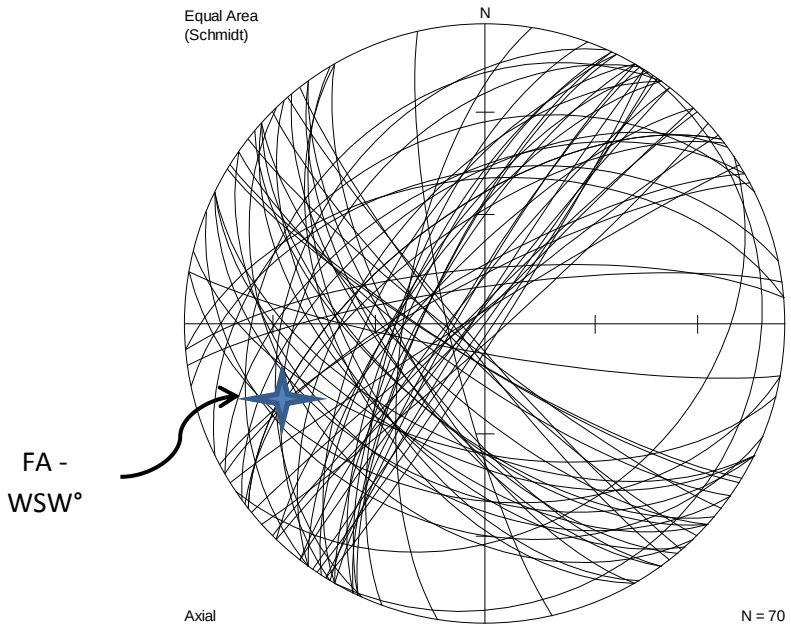


Figure 3.10: Stereoplot for the anticline in Block 2 Kinsevere Central pit. The great circles form the respective limbs of the anticline. The intersection point between the respective great circles marks the orientation of the fold axis (FA), diagrammatically determined to be WSW. Field measurements further define the fold axis to have an azimuth of 252° and plunge at 54°.

Joints

Joint structures are defined as fractures which have little displacement (Ramsay and Huber, 1987). The observed joint sets are predominantly preserved in the SD and CMN lithologies. The joint sets observed have an orthogonal geometry and occur regularly (Fig. 3.11 A). There are two dominant joint sets in Kinsevere Central pit.

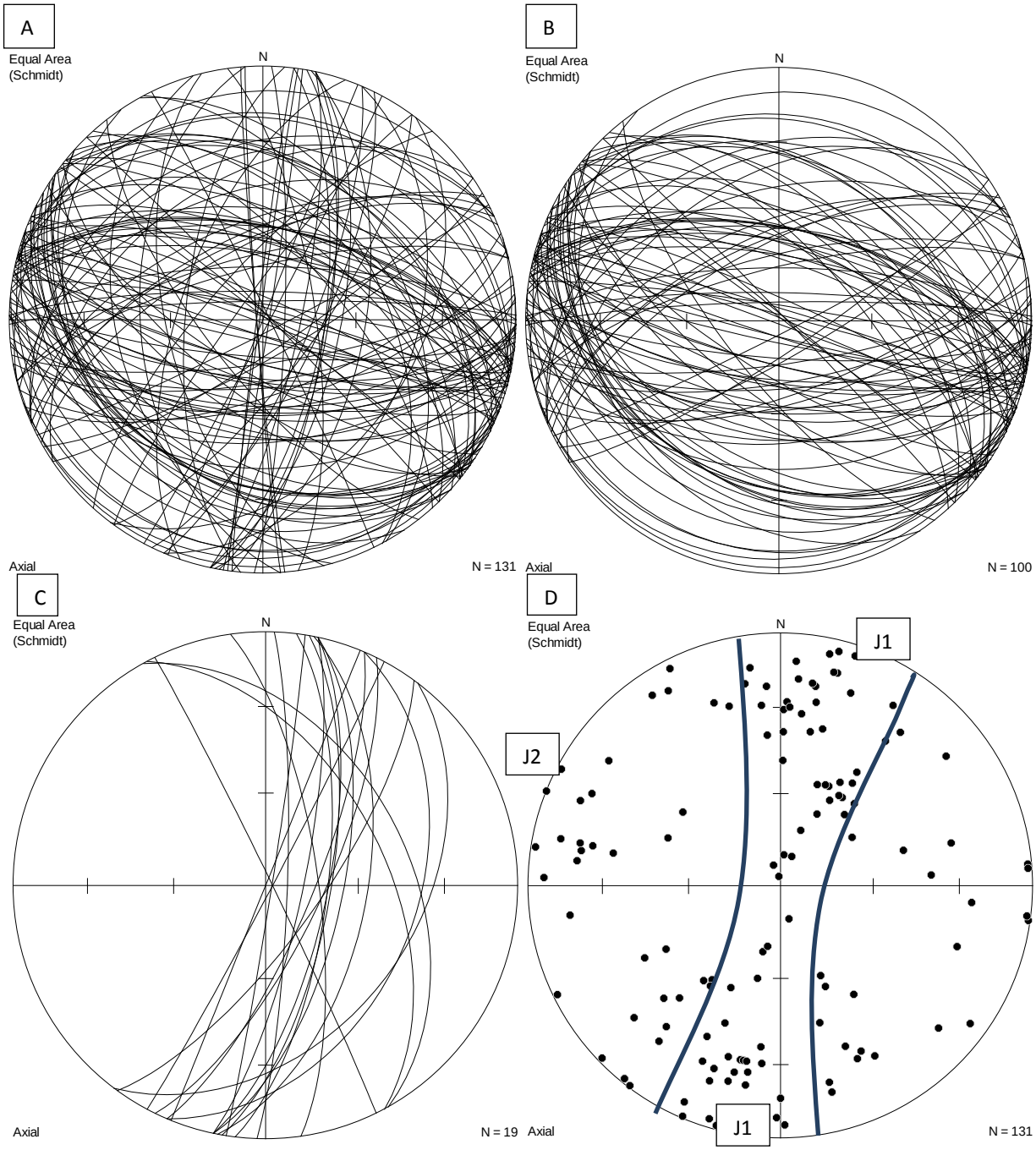


Figure 3.11: Stereoplot of joint planes from Kinsevere Central pit. A) The stereoplot represents all the joint planes for Kinsevere Central pit. B).The primary joint set has been separated out, illustrating the majority of the joints are oriented WNW-ESE, and moderately steep dipping to the north and south. The spurious planes possibly represent errors and the incorrect classification of these planes as joints C) The second joint set is N-S striking and dipping moderately east. The primary planes form a girdle, indicated between the solid blue lines, attributed to rotation about a fold axis oriented E-W. D) The poles to joint planes have been plotted to illustrate the girdle made by the primary joint set during refolding.

The primary joint set (J1) strikes WNW-ESE with variable dip angles from 65°to 80° (Fig. 3.11 B), whereas the second joint set (J2) dips steeply to the east and has a NNE-SSW strike (Fig. 3.11 C). The primary, WNW-ESE striking and secondary, NNE-SSW striking joints are perpendicular and sub-parallel to the N-S striking bedding planes respectively. The poles to the primary joint planes plot in a girdle whereas the poles to the second joint set form distinct clusters (Fig. 3.11.D). The girdle indicates a change of the dip angle of the primary joint planes either by tilting or rotation after their formation whereas the second joint set is unaffected.

Veins

The vein systems in Kinsevere Central pit are concentrated towards the north of the pit. These veins are predominantly found in the SD and CMN lithologies. The majority of the veins in Kinsevere Central pit are observed to be striking E-W and dipping to the S (Fig. 3.12 A). Similarly, mineralised veins are oriented E-W and dip shallowly to the S. Both the mineralised and unmineralised veins have the same E-W strike and S dip direction (Fig. 3.12 B). There are two mineralised and one unmineralised vein sets observed in the pits. The mineralised veins have two distinct orientations that are parallel and perpendicular to bedding respectively. The distribution of the poles to the veins is unaffected by folding, indicating that the veining event within Kinsevere Central pit occurred post-folding.

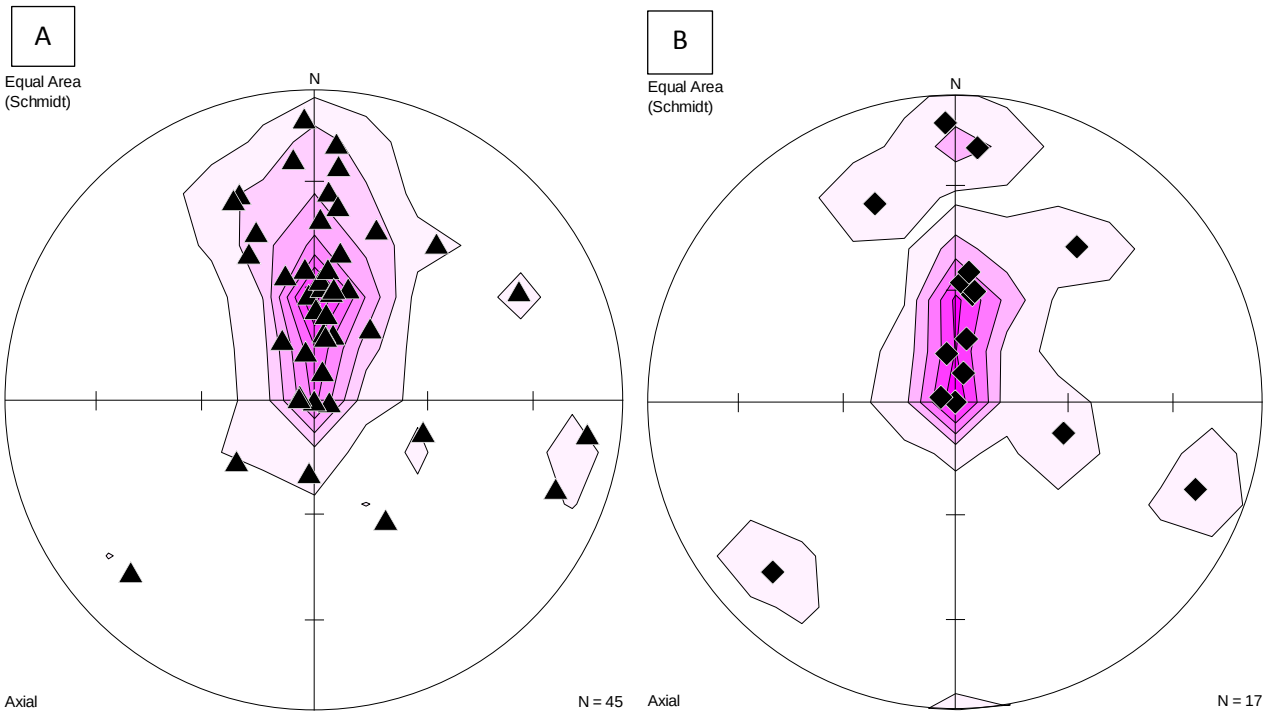


Figure 3.12: Stereoplots of the veins from Kinsevere Central pit. A) The unmineralised veins in Kinsevere Central pit strike E-W and dip to the south. B) The mineralised veins have been separated and illustrate the same E-W strike and S dipping characteristics as the unmineralised planes. The mineralised and unmineralised veins have the same orientations and possibly indicate multiple phases of vein intrusions.

Faulting

The lithologies in the Kinsevere Central pit are offset by faults with varying orientations. The majority of faults seen are spatially associated with strong weathering along their extent and are commonly altered to talc. As a result the fault planes have become highly oxidised and in some parts mineralised by remobilised secondary copper, which often limits visible shear sense indicators.

Bedding-parallel faulting is uncommon. This indicates that folding-induced bedding parallel translation is unlikely, or that it was not preserved due to weathering and talc alteration. Specific rock types have different degrees of faulting associated with them. The RAT is heavily brecciated in parts, poorly preserving any evidence of faulting, whereas the SD and CMN dolomites and shales preserve faults more clearly. The Reference Fault visibly offsets the SD and CMN units in the pit floor and divides the pit into a northern and a southern block. Although the expression of this fault is poorly preserved on the pit walls, the fault is observed trending NW-SE with an apparent dextral sense of slip.

Block 1

Although there appears to be no tight grouping of the faults in Block 1 the majority (≈67 %) of these faults are observed to be dipping to the N (Fig. 3.13 A) although Block 1 has fewer faults dipping to the N than Block 2.

Block 2

The faults measured in Block 2 have no dominant orientation. The faults from Block 2 poorly illustrate any geometrical trends. However, from the stereoplot, 31 % of the measurements dip SW, 24 % of the measurements dip SE, and 45 % of the measurements dip N (Fig. 3.13 B).

Figure 3.13 C shows the poorly-grouped poles to fault planes that indicate a N- dipping trend. Figure 3.13 D attempts to clearly illustrate the SW, SE and N dipping fault planes which are present in Block 2.

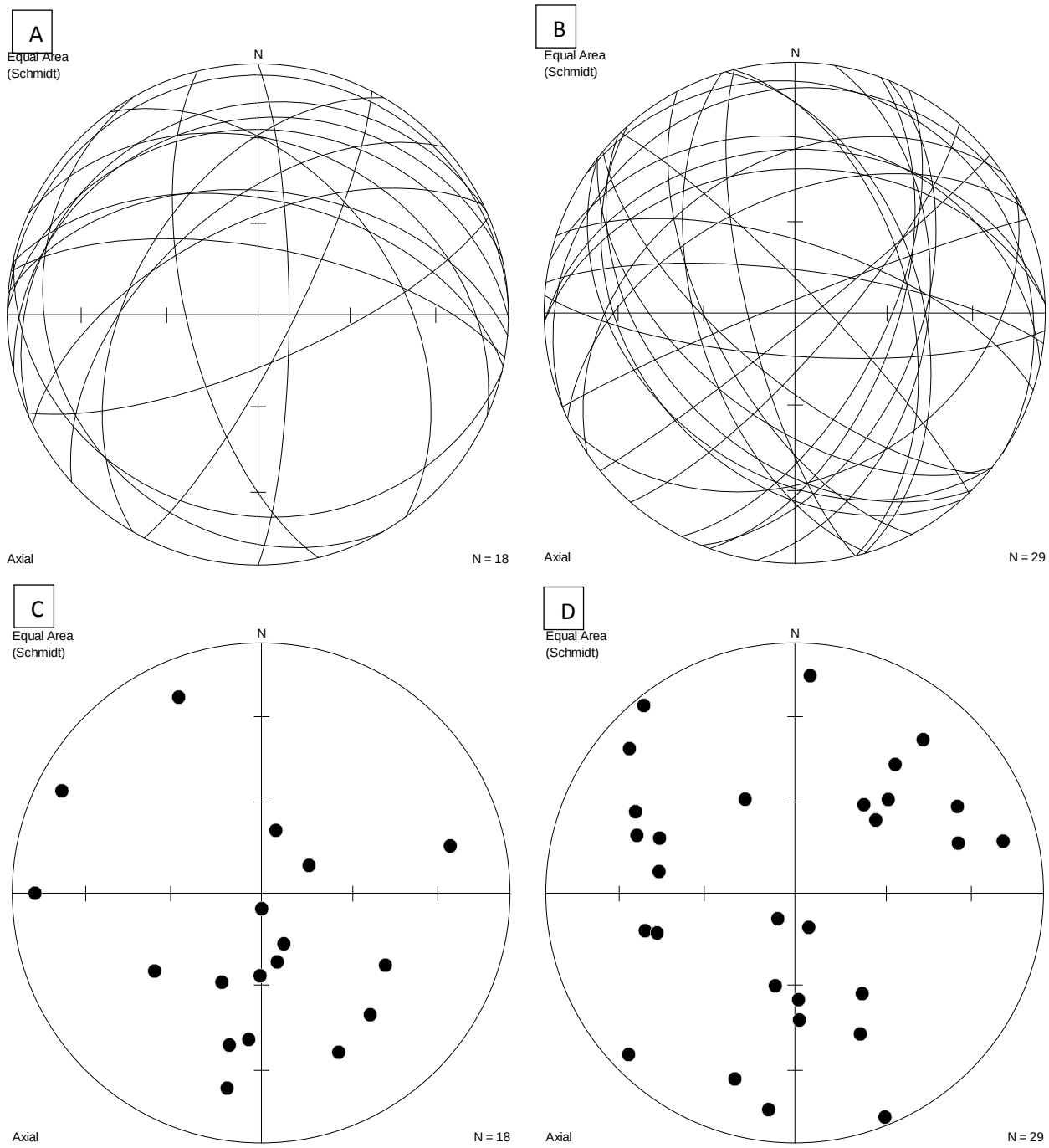


Figure 3.13: Stereoplot of the poles to fault planes in Kinsevere Central pit. A) The poles to fault planes from Block 1. B) The poles to fault planes from Block 2 represent three faults sets that are moderately dipping to the SW, N and SE respectively. C) Stereonet illustrating the sparse distribution of the poles representing predominantly N-dipping faults from Block 1. D) Stereonet illustrating the SW, SE and N dipping faults as poles.

Faulting is not commonly associated with mineralisation, however, Figure 3.14 illustrates an example of mineralised en echelon tension gashes.

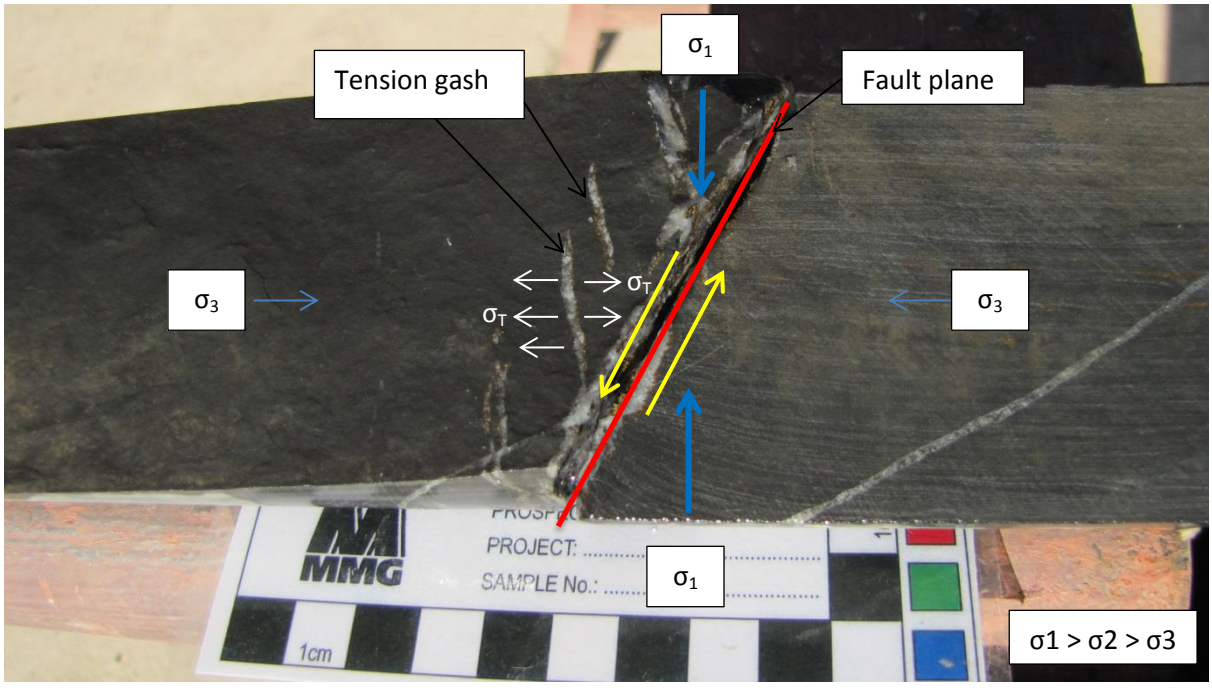


Figure 3.14: Fault (red line) in the SD lithology. The lithologies on either side of the fault are different, indicating a moderate offset (yellow arrows). Well-developed tension gashes have formed as a result of tensile stress (σ_T) (white arrows). Mineralisation is seen in both of these structural features.

The formation of en echelon tension gashes in Figure 3.14 is related to shear stress, where the rock has been sheared in a brittle-ductile fashion (Davis and Reynolds, 1996). This system requires progressive shearing of material to the point of brittle failure, thus forming a fault (Ramsay and Huber, 1987). Tension gashes form during the initial loading of the rock according to Griffith's criterion of brittle failure (Griffith, 1921). Tensile fractures initially form under conditions of low confining pressure (σ_3), and are capable of progressing to larger en echelon veins under sustained simple shear (Durney and Ramsay, 1973).

Ruashi pit 1

The lithologies within the Ruashi pit 1 represent the full Mines Series where the RSC and RSF units are preserved. The most prevalent structural features in the Ruashi pit 1 are the N-S trending reverse faults that separate Ruashi pit 1, pit 2 and pit 3 as documented by Metorex (Williams et al, 2010). Ruashi pit 1 has exposed a large antiformal syncline trending approximately W-E.

Bedding Planes

The bedding in Ruashi pit 1 has a consistent strike of WNW-ESE with a variable dip direction and dip angle. Bedding is attributed to the antiformal syncline within Ruashi pit 1. The respective bedding planes of the antiformal syncline dip moderately to the NNE and SSW (Fig. 3.15 A). The poles to planes have a constant ESE-WNW strike, and show the arrangement of a girdle of poles to planes as measurements were taken across the fold from the north to the south respectively (Fig. 3.15 B).

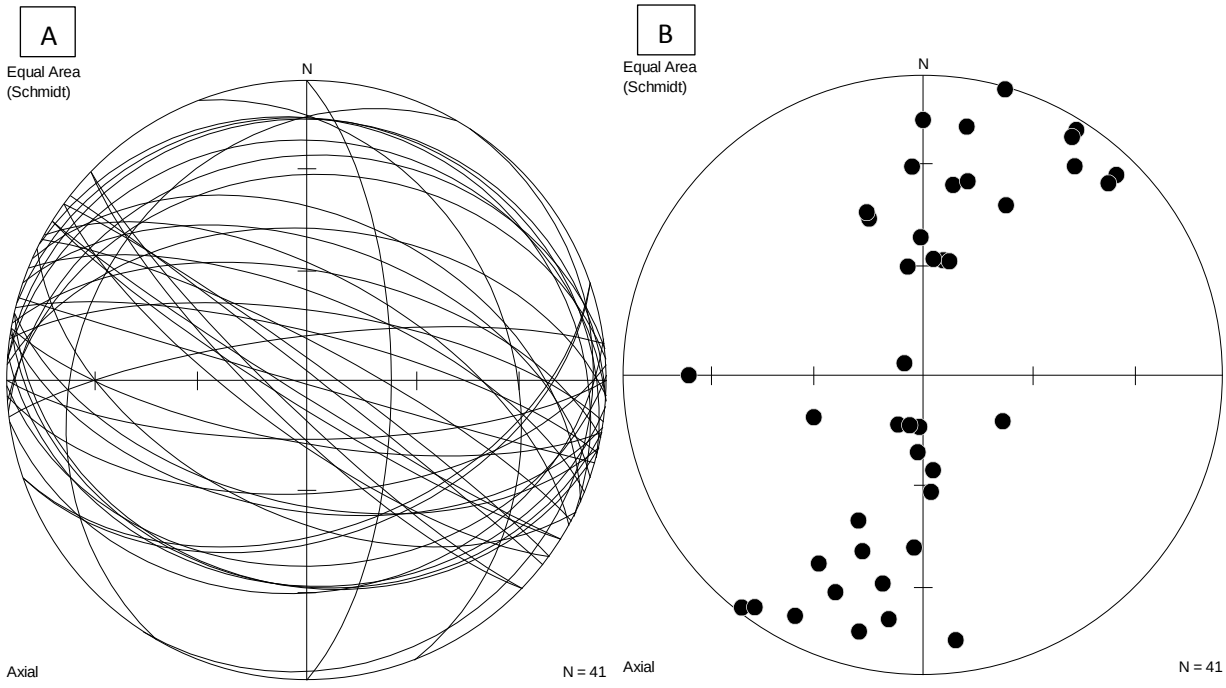


Figure 3.15: The bedding orientation for Ruashi Pit 1. A) Stereoplot illustrating the bedding striking WNW-ESE with two dominant dip directions, NE and SW. The variable dip directions are a direct result of the antiformal syncline that is present within Ruashi pit 1. B) Poles to bedding planes represent the measurements across the fold and resulting girdle that shows that the planes are generally constrained about a WNW-ESE trending axis.

Folding

The fold in Ruashi pit 1 is interpreted as an antiformal syncline because the older lithologies are observed to form part of the outer portion of the fold, whilst the centre is cored by the younger SD and CMN lithologies (Fig. 3.16). This antiformal syncline acts as the dominant structural feature, striking the entire length of Ruashi Pit 1.

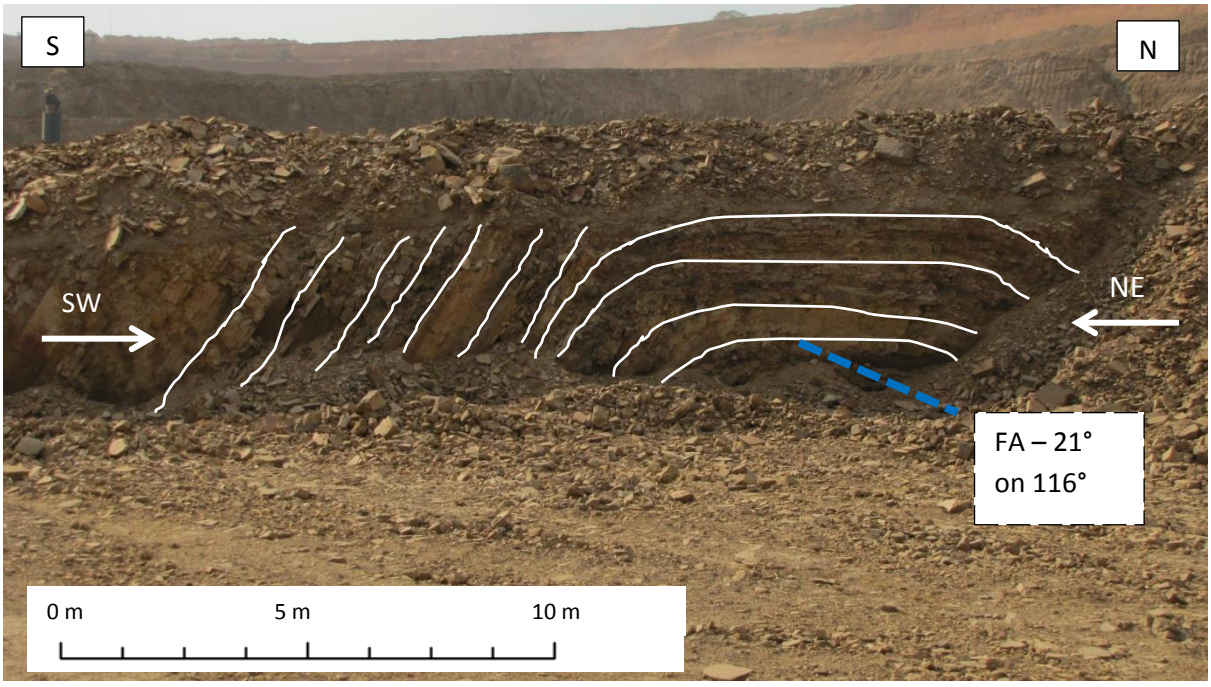


Figure 3.16: Antiformal syncline from Ruashi pit 1. The fold axis (FA) measured in the field is plunging gently to the SE at 21° on an azimuth of 116°. The orientation of the fold axis suggests that there is a NE-SW shortening direction.

The fold limbs have a consistent NW-SE strike and a variable dip direction, similar to the bedding (Fig. 3.17 A). The limbs of the antiformal syncline have a variable dip direction for the NE and SW limbs respectively (Fig. 3.17 A). The fold axis is determined to be oriented approximately WNW-ESE. This is comparable with the measured fold axis that is plunging at 14° to the E with an azimuth of 116° (Fig. 3.16 and Fig. 3.17 A). The poles to the bedding planes for the antiformal syncline form a girdle that is oriented approximately WNW-ESE, further showing the fold axial plane present in this fold system (Fig. 3.17 B).

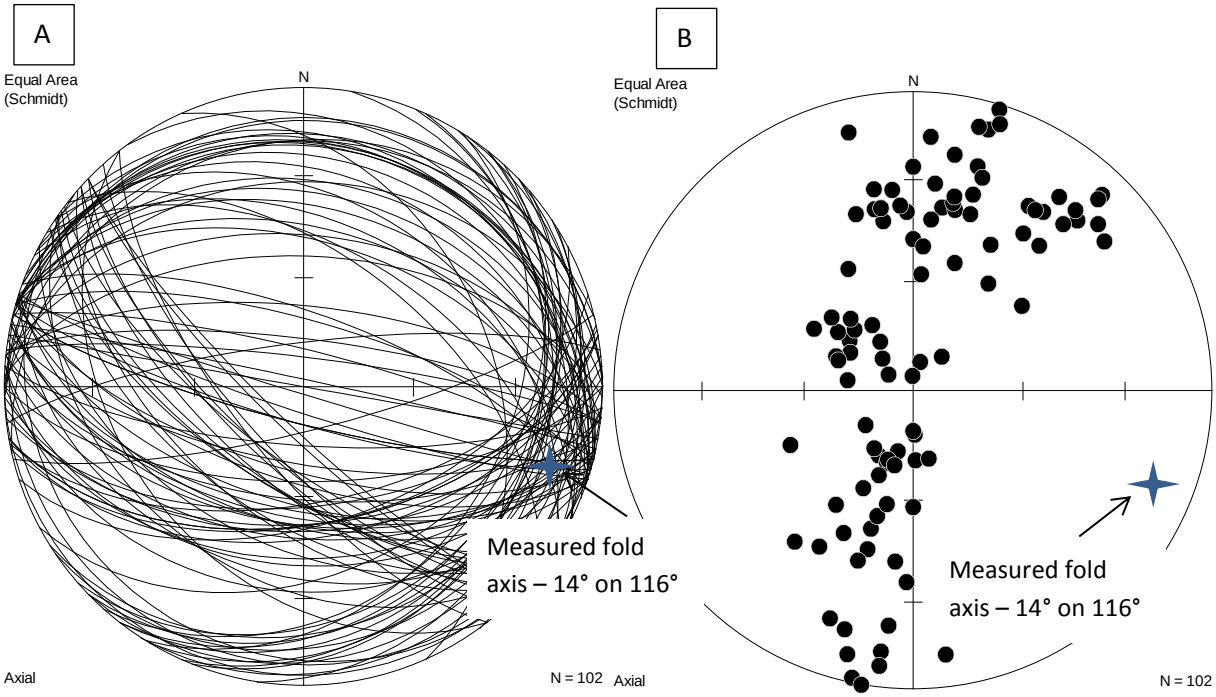


Figure 3.17: Folding in Ruashi pit 1. A) The bedding planes are consistently oriented about a WNW-ESE strike with a variable dip angle and dip direction. The fold axis has been graphically determined to be WNW-ESE striking, consistent with the fold axis measured in the field plunging 14° to the ESE (azimuth of 116°). B) The girdle produced by the poles to the planes for the antiformal syncline illustrates the folding of the bedding around a WSW-ESE fold axis.

Joints

The joint planes for Ruashi pit 1 have an orthogonal geometry. The primary joint set is poorly clustered, whereas the second joint set is tightly clustered as indicated in Figure 3.18. The joint planes have moderate to shallow dip angles (Fig. 3.18 A). The planes of the primary joint set show variable dip directions between NW and SE (Fig. 3.18 B).

The second set of joints (J2) is oriented perpendicular to the bedding planes with the majority of the joint planes striking NE-SW and dipping steeply to the SE (Fig. 3.18 C).

The poles to planes of the primary set of joints (J1) form a W-SE trending girdle, highlighted by the solid blue lines in (Fig. 3.18 D). This girdle suggests that the primary joint set is rotated about a NNE-SSW trending axis (Fig. 3.18 A and Fig. 3.18 D).The tight cluster of poles associated with J2 indicates that these joints have not been rotated (Fig. 3.18 D).

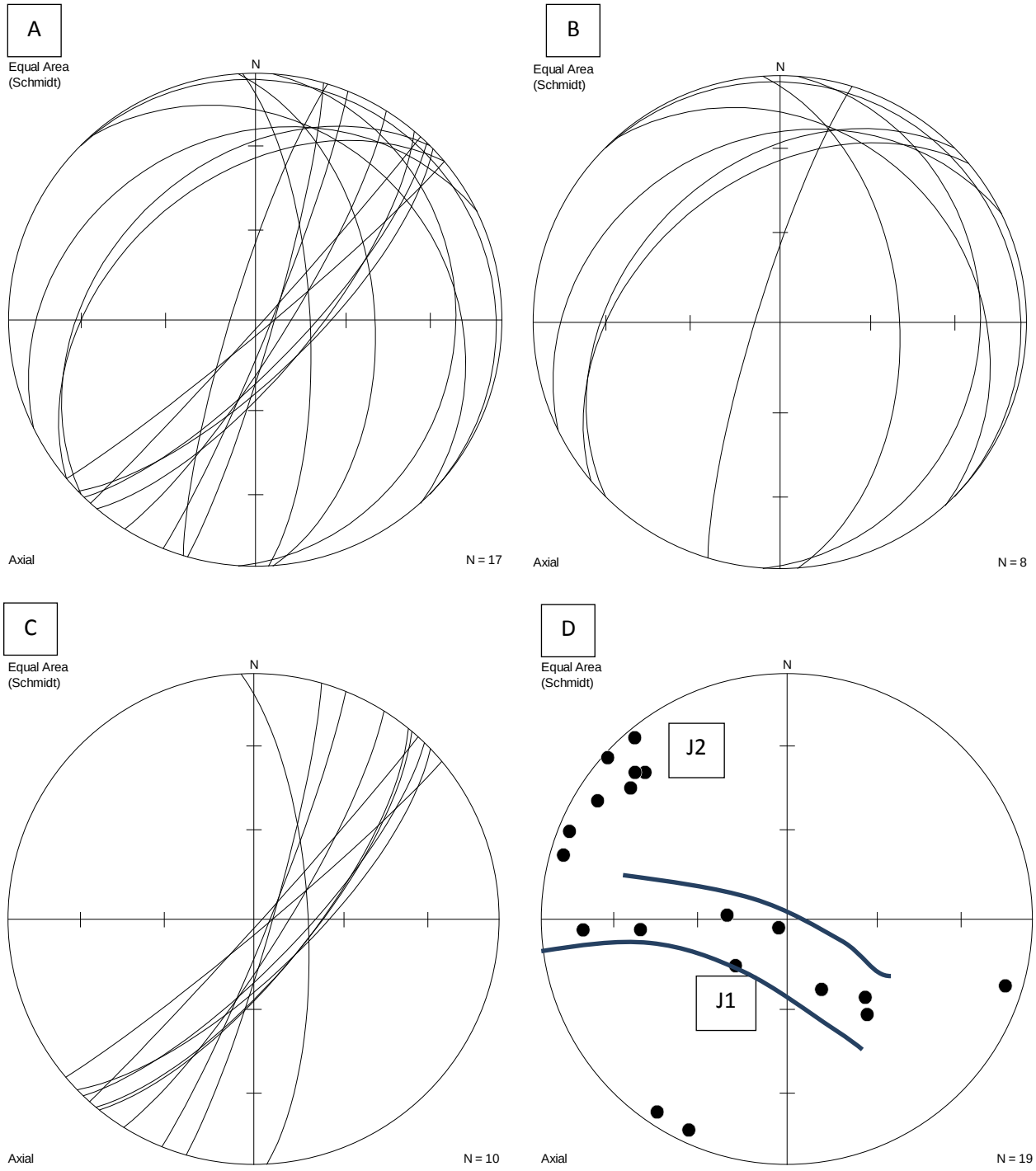


Figure 3.18: Stereoplot of the distribution of joint planes for Ruashi Pit 1. A) The illustration of all the joint planes. B) Stereoplot of the primary joint set (J1). The primary joint planes dip moderately to gently towards the west and east. C) The secondary set of joints (J2) is striking NE-SW and dipping steeply to the SE. These planes are not rotated. D) The poles to joint planes form a girdle, between the blue lines, possibly indicating progressive rotation about an axis oriented roughly NE-SW.

Veins

The veins from Ruashi pit 1 are both unmineralised and mineralised as shown in Figure 3.19. The unmineralised veins are NW-SE and NE-SW striking and dip steeply to the SW and NW respectively (Fig. 3.19 A). The mineralised veins are predominantly oriented NE-SW and dip steeply to the NW (Fig. 3.19 A and Fig. 3.19 B). Both vein sets have a consistent orientation of moderately to steeply dipping planes to the NW, striking NE-SW.

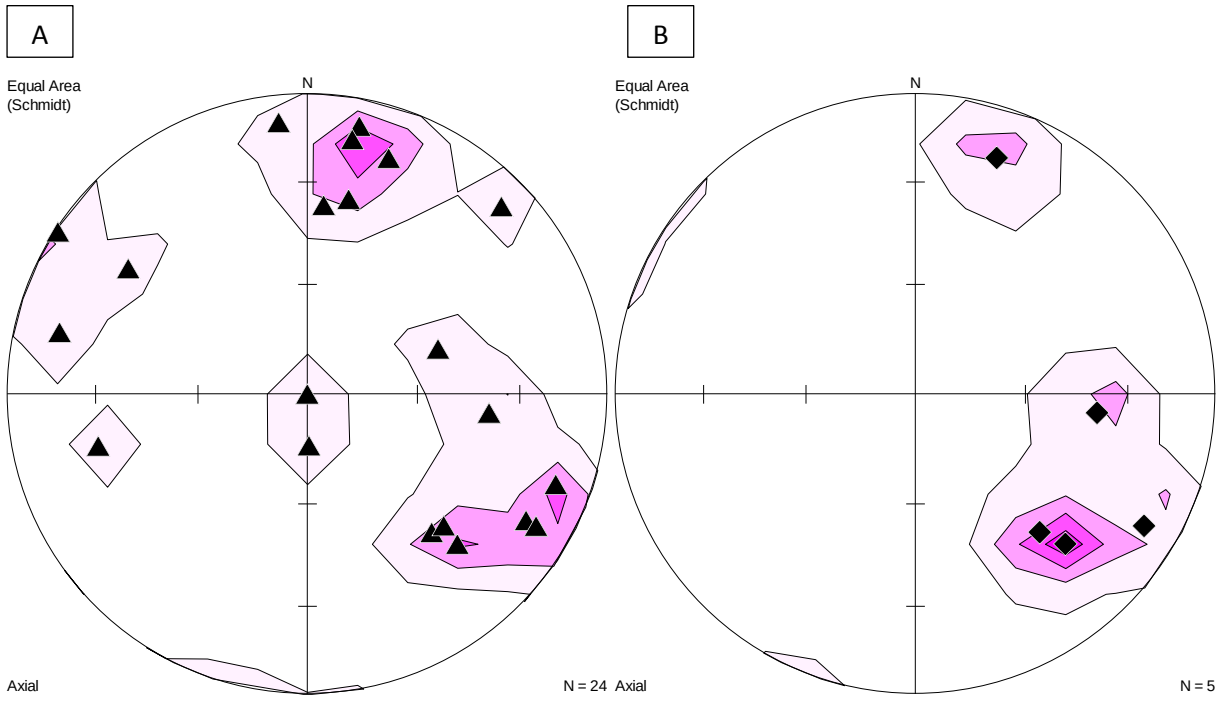


Figure 3.19: Stereoplots of both unmineralised and mineralised veins from Ruashi Pit 1. A) Distribution of poles to planes for the unmineralised veins, where two steeply dipping planes can be identified striking NW-SE and NE-SW respectively. The NW-SE striking veins dip steeply towards the SW and the NE-SW striking veins mostly dip steeply to the NW. B) By comparison nearly all the mineralised veins are oriented NE-SW dipping moderately to the NW.

Faults

Talc alteration and weathering have affected the fault planes. As a result shear sense indicators are not well preserved. Figure 3.20 shows the measured fault planes for Ruashi pit 1. The majority of the measured fault planes (≈67 %) are approximately E-W trending and dipping moderately to the S (Fig. 3.20 A).

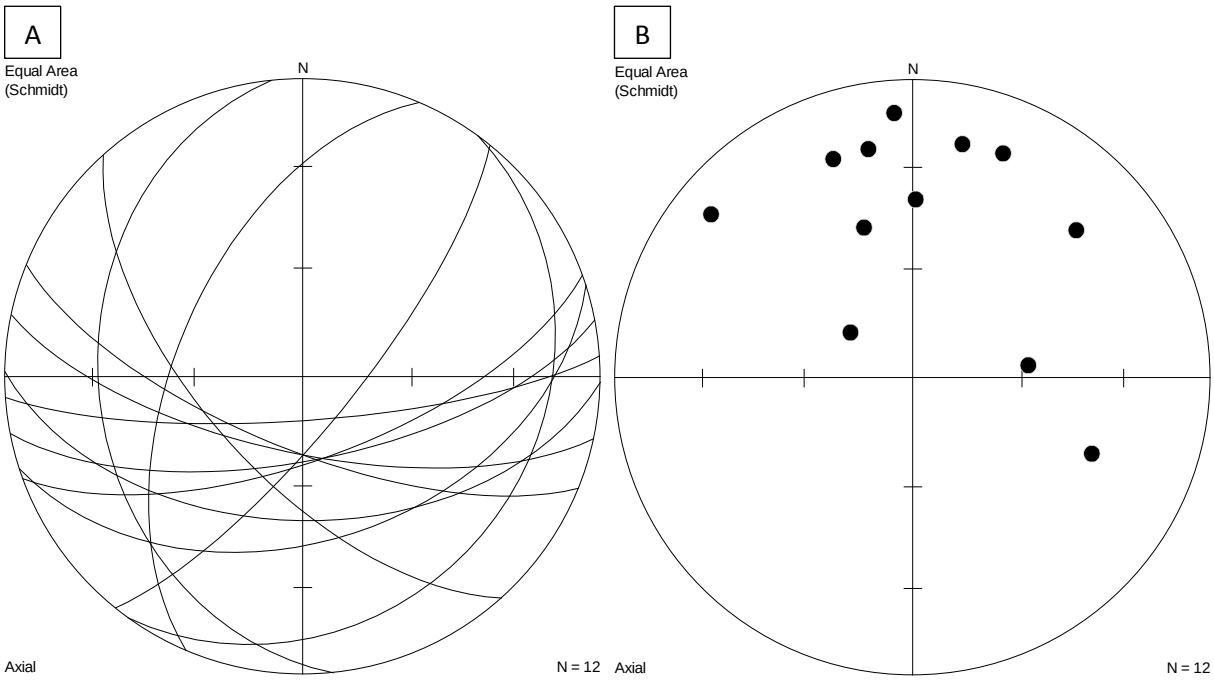


Figure 3.20: Stereoplot of the measured fault planes from Ruashi Pit 1. A) The majority of the faults are oriented E-W and dipping to the S. B) Stereonet illustrating the variable dip of the predominantly south dipping faults.

Discussion

The Fold-and-Thrust Belt of the Lufilian Arc characterises the dominant structural controls in the Congolese Copperbelt (Kampunzu and Cailteux, 1999). Studies suggest that the arcuate shape and formation of tightly folded anticlines and synclines in the Lufilian Arc resulted from the Kalahari Craton colliding into the Congo Craton during the Kolwezian deformation (Tapponier, 1982; Cahen *et al.,* 1984; Kipata et al., 2013). Although the cratonic collision formed an 800 km long arcuate Fold-and-Thrust Belt in the DRC, the localised folding on the central and eastern segments of the Lufilian Arc are verging to the NE and E respectively (Kazadi et al.,2012; Cailteux *et al.,* 2005).

The Kinsevere and Ruashi deposits located within the Lubumbashi district are characterised by the anticlines and synclines in the eastern portion of the Fold-and-Thrust Belt. The measured bedding planes from Kinsevere Central pit strike N-S and those from Ruashi pit 1 strike NW-SE. The orientation of the bedding planes from Ruashi pit 1 are consistent with the regional NW-SE trend of the eastern portion of the Fold-and-Thrust belt. The Kinsevere Central pit appears to either be thrust or rotated into a N-S orientation during deformation, possibly accounting for the contrasting orientation to the NW-SE trending Fold-and-Thrust Belt. This is an assumption based on the shallowly dipping quartz veins as well as the near vertical bedding planes. In both pits the bedding

has consistent moderate to steeply dipping orientations that are comparable to the high angle bedding planes documented in the Fold-and-Thrust Belt (Kampunzu and Cailteux, 1999; Kipata *et al.,* 2013). Work by Kipata *et al.*, (2013), documented a systematic, clockwise rotation in the south-eastern portion of the Fold-and-Thrust Belt, which may account for the orientation of Kinsevere Central pit to Ruashi pit 1.

The rotation of the eastern and southeastern Lufilian Arc is a complex structural result that influences the development and evolution of the folds, joints, veins and possibly faulting. Recent studies indicated that there is late stage rotation and tectonic escape in the eastern arm of the Lufilian Arc. The rotation and tectonic escape resulted in radial compression, possibly rotating the initial E-W shortening direction associated with D1 deformation, to a N-S shortening direction (Unrug, 1989; Kampunzu and Cailteux, 1999; Kipata *et al.,* 2013). The change in the shortening direction from E-W to N-S is likely to have produced the doubly plunging folds, rotated joints, and late stage veins in the Kinsevere and Ruashi deposits.

In Kinsevere, the possibility of a doubly plunging fold is based on the suspected radial compression and rotation of the shortening direction from E-W to N-S. The model is based on the analysis of the deformation events recorded in the Lufilian Arc. The NE-thrusting of rock from the eastern portion of the Lufilian Arc would impart a NE-SW and/or E-W shortening (Francois, 1987; Kampunzu and Cailteux, 1999). Furthermore, concave arc-bending occurred, leading to a localised N-S shortening direction in the Lubumbashi district (Kipata *et al.,* 2013). Figure 3.21 suggests the processes involved in interference folding, where the relative shortening directions associated with Kinsevere Central pit are represented.

Alternatively, the anticline and syncline in Kinsevere Central pit originally formed during the same event i.e. had the same orientation. Subsequent activity along the fault separating the anticline and syncline caused rotation of the blocks with respect to each other. The previously parallel axes rotated to the point where they are orthogonal to each other. However this cannot be the case due to the consistent N-S orientation of the bedding planes in both Block 1 and Block 2.

The formation of an antiformal syncline in Ruashi with a fold axis oriented NW-SE may have undergone a change in shortening direction during arc bending. Such shortening may have occurred to a lesser extent based on the current orientation of Ruashi pit 1.

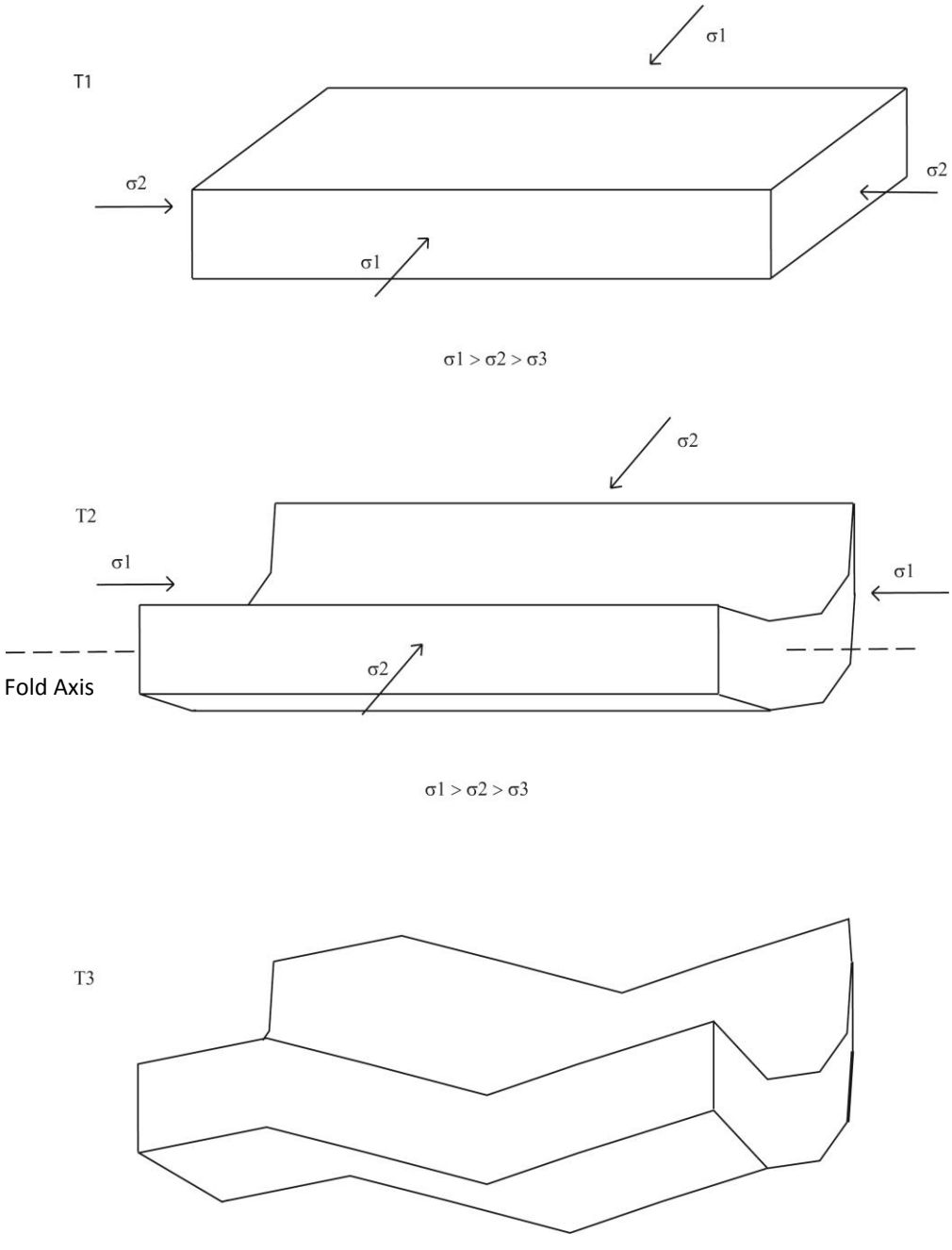


Figure 3.21: Idealised doubly plunging folds in the Kinsevere Central pit. T1 represents an undeformed section that has a principle stress imparted on it. T2 represents the formation of the large syncline during the Fold-and-Thrust event (D1), where T2 has undergone a change in the stress field where σ1 is now oriented perpendicular to original fold axis. T3 is the combined effect of two stages of deformation on the system.

The joints and veins from Kinsevere Central pit and Ruashi pit 1 are suggested to be a consequence of localised shortening within the Lubumbashi district and the reorientation of the shortening

direction that is associated with the arc (Unrug, 1989; Kampunzu and Cailteux, 1999; Kipata *et al.,* 2013).

Two dominant joint sets occur in each of the respective pits, where only the primary set of joints have been rotated. Figure 3.22 describes the formation of the girdles identified in the primary joint sets, relating them to a re-orientated shortening direction.

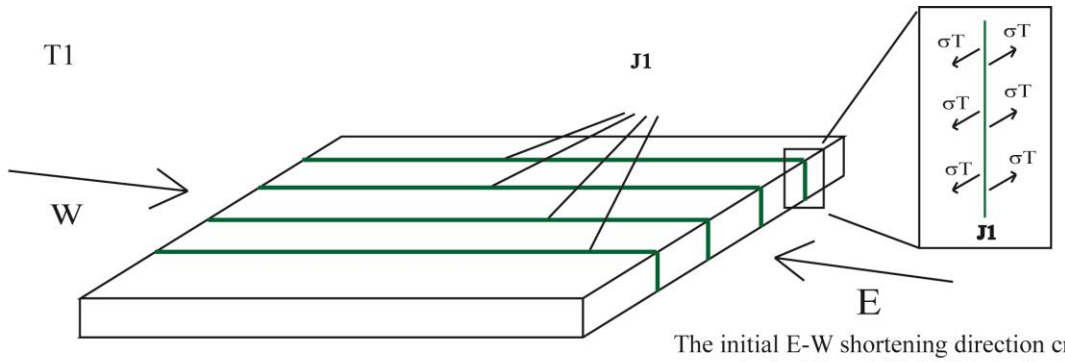
In Kinsevere Central pit, the primary set of joints would have originally been oriented E-W, which is sub-parallel to the shortening direction responsible for forming the NE-verging folds. Therefore joint formation is suggested to be a result of thrusting synonymous with the Fold-and-Thrust Belt in the Lufilian Arc (Cailteux, 1994; Cailteux *et al.,* 2005; Kampunzu and Cailteux, 1999). The shortening direction during arc-bending or shortening would be re-oriented N-S, perpendicular to the primary joint planes. The N-S shortening direction is suggested to be responsible for the generation of the second set of joints during localised late-stage deformation (Fig. 3.22).

The joints in the Ruashi pit 1 are similarly related to the NE-SW shortening direction that formed the antiformal syncline.

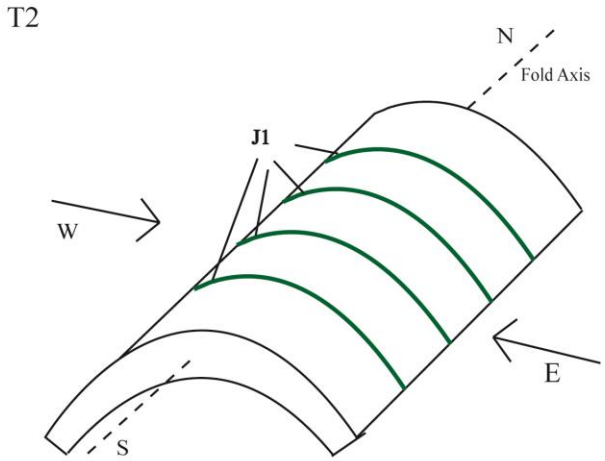
The evolution of the joints in Ruashi pit 1 are similarly related to the reoriented shortening direction which formed two joint sets. The first set of joints is likely to have formed sub-parallel to the shortening direction during the initial phase of compression as a result of tensile stress. Further shortening led to the formation of the second set of joints in a sub-parallel orientation to the fold axis oriented NW-SE (Fig. 3.22). As in Kinsevere Central pit, the first joint set is roughly N-S striking and shows a poorly developed girdle. This may indicate that the degree of rotation is not as great as in Kinsevere Central pit. The reoriented shortening direction In Kinsevere Central pit moved from E-W to N-S. By comparison, the shortening direction in Ruashi pit 1 changed from NE-SW to N-S. The geometry of these shortening directions relative to the trend of the lithologies implies that the rotation of the primary set of joints would be more pronounced in Kinsevere than in Ruashi.

The onset of folding resulted from an initial stage of E-W shortening (Kampunzu and Cailteux, 1999) on a localised scale within the Lubumbashi district which is likely to have also created tensile veins in addition to joints.

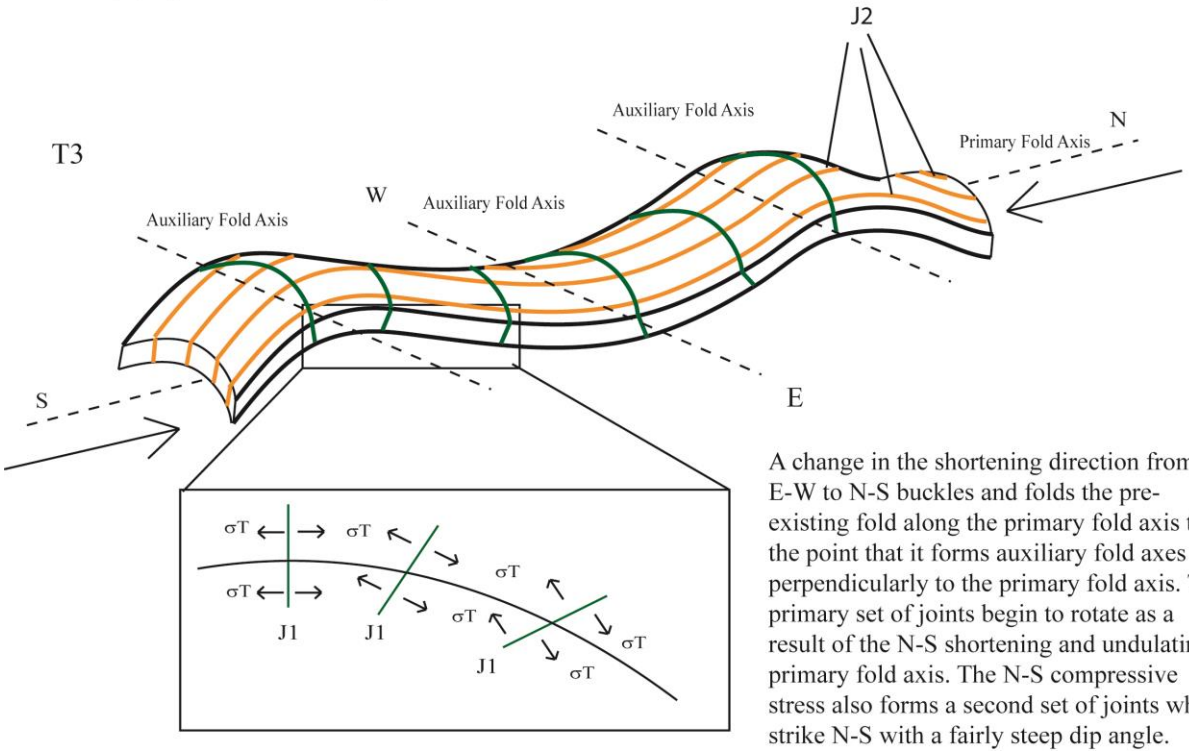
The vein systems in both pits have a parallel and perpendicular orientation to bedding for both mineralised and unmineralised varieties.



The initial E-W shortening direction creates tensile stress in the SD and CMN lithologies that have a sub-parallel orientation to the compressive stress. This forms the first set of joints (J1).



Further shortening in an E-W direction creates the fold with a N-S oriented fold axis. The first set of joints remain parallel to the compressive stress because the stress field is the same as that during the formative stage. Although the block is folded the strike and the dip angle do not change significantly.



A change in the shortening direction from E-W to N-S buckles and folds the pre-existing fold along the primary fold axis to the point that it forms auxiliary fold axes perpendicularly to the primary fold axis. The primary set of joints begin to rotate as a result of the N-S shortening and undulating primary fold axis. The N-S compressive stress also forms a second set of joints which strike N-S with a fairly steep dip angle.

Figure 3.22: Suggested model for the generation of two sets of orthogonal joints where the primary set is rotated. From this sequence of events the progressive stages of joint formation relative to the shortening direction can be seen. The primary set of joints underwent progressive rotation as a result of refolding. Re-folding further resulted in the development of a second set of joints perpendicularly opposed to the primary set.

The unmineralised veins share similar orientations with the mineralised veins. This indicates that they formed either cogenetically or as multiphase injections along pre-existing veins (Haest and Muchez, 2011). Regardless of mineralisation multiple fluid influxes, are observed within vein systems in other Congolese deposits suggesting multiphase veining and multiphase mineralisation is present within the Kinsevere Central pit and Ruashi pit 1 (Dewaele *et al.,* 2006). The close association between unmineralised and mineralised veins further implies that the same stress regime was responsible for the formation of both vein types.

Vein formation in both deposits is believed to be related to the second joint set and is identified to have formed syn- to post-folding i.e. late Kolwezian and early Monwezian deformation events. Vein type deposits are documented to have formed during the waning period of the Lufilian Orogeny approximately 530-500 Ma ago (Haest *et al.,* 2009; Kipata *et al.,* 2013). The late stage deformation event responsible for the reorientation of the shortening direction from E-W to N-S resulted in faulting, folding, veining and jointing. Assuming that the timing of mineralisation between the two mines is the same, the veins would have formed during the Monwezian and deformation events (Kipata *et al.,* 2013).

The correlation of faulting to these structural events is more complicated due to the poorly clustered stereoplots from both pits.

Displacement occurred between Block 1 and Block 2 in Kinsevere Central pit along the Reference Fault relative to each other during the Monwezian deformation event (Kipata *et al.,* 2013; Kazadi *et al.,* 2012). The tectonic escape of the eastern portion of Kinsevere Central pit, where apparent right lateral displacement is observed along the NW-SE trending Reference Fault, is assumed to be related to the N-S shortening direction responsible for late stage folding and formation of refolded folds. The only fault that shows a significant displacement is the large NW-SE trending fault which is used to separate Block 1 from Block 2. The faults from Block 2 indicate that there are E-W, NW-SE and NE-SW fault orientations. The NW-SE and NE-SW trending faults are possibly attributed to the N-S shortening direction associated with folding event that created refolding of the syncline. The moderately dipping, E-W trending faults are possibly associated with the E-W shortening during Kolwezian deformation or as a strike slip faulting during Monwezian deformation (Francois, 1987; Kampunzu and Cailteux, 1999; Kipata *et al.,* 2013). The NW-SE and NE-SW trending fault planes are possibly a conjugate set of faults resulting from N-S shortening (Fig 3.23). Brittle structural features, predominantly faulting, have major implications in terms of the late stage remobilisation of Cu-Co laden fluids and upgrading of the ore that leads to economically significant deposits (Kazadi *et al.,*

2013). Deposits within the Congolese Copperbelt are predominantly associated with strike-slip features, resulting from an early compressional stress regime (Kampunzu and Cailteux, 1999). The brittle deformation features of the Lufilian Arc have major implications in terms of remobilisation of copper and cobalt laden fluids and the upgrading of mineralisation during supergene alteration

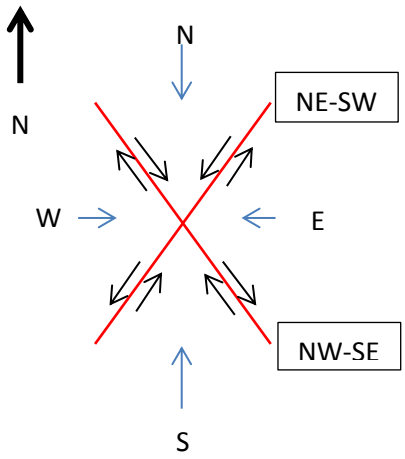


Figure 3.23: Conjugate fault sets proposed for Kinsevere Central pit based on the planar resultants from the pole distributions. The maximum compressive stress is oriented N-S to produce a NW-SE and NE-SW conjugate fault set (Anderson, 1942). The least compressive stress generally results in material escape and is likely to be oriented E-W (Ramsay and Huber, 1989; Anderson, 1942)

leading to economically significant deposits (Kipata *et al.,* 2013).

From the above observations on the structural components from the Kinsevere Central pit and Ruashi pit 1 it is possible to reconstruct a structural evolution for the Lubumbashi district (Table 3.1).

Table 3.1: Structural evolution of the Lubumbashi district and the relevant mineralisation periods associated with the Lufilian Orogeny.

Process	**Basin formation**	**Lufilian Orogeny**	**Post-Lufilian Orogeny**
Rifting followed by the deposition of Mines Series with stratiform copper	----------		
Cratonic collision and the onset of orogenesis		----------	
Folding and thrusting towards NE due to NE-SW shortening (D1) (Kolwezian)		----------	
Overturning of the units in tightly folded anticlines and synclines and thrusting		----------	
Reorientation of the regional shortening direction to N-S (late D1)		----------	
Late stage faulting associated with the D2 and possibly D3 (Monwezian/ Shilatembo)		----------	

Conclusion

The structural analysis for Kinsevere Central pit and Ruashi pit 1 has identified a significant proportion of brittle structures in association with folding that have given a reasonable representation of the structural characteristics for the Lubumbashi area

The Kinsevere Central pit deposit has undergone both E-W and N-S shortening whereas the Ruashi pit 1 deposit underwent NE-SW and N-S shortening. The N-S shortening event is defined as being late Kolwezian deformation or early Monwezian deformation and signifies a reorientation of the compressive stress in the Lufilian during Arc bending (Kipata *et al.,* 2013). On a local scale the sequence of structural events is as follows:

1. Shortening and the development of the primary set of joints and veins
2. Folding as a result of D1 compression.
3. Normal faulting parallel to the shortening direction
4. Reorientation of shortening direction
5. Refolded folding and production of joints and veins (Monwezian)
6. Late stage faulting

Differences between the deposits may be attributed to factors such as the distinct lack of the silicified RSC and RSF units. These units may have made the Ruashi pit 1 pit more structurally competent, thus resisting shortening and brecciation to a greater extent than Kinsevere Central pit.

There is a distinct difference between the numbers of faults in the respective pits. Ruashi pit 1 has far fewer faults and a more fold-related structures than Kinsevere Central pit. This results in a less brecciated and less fluidised nature in Rusahi pit 1. Fewer faults in Ruashi pit 1 suggests a system that is not hydrothermally controlled nor hydraulically fractured to the same degree as Kinsevere Central pit. The major anticline preserves a significant amount of upright, perpendicularly oriented veins to bedding. The occurrence of the sulphide facies in the SW portion of the pit is possibly the result of faulting due to the lack of the sulphide facies at depth in the SE portion of the pit. For this reason an inferred fault is indicated on the map. This possibly indicates the there is a fault-control on the sulphide and oxide facies, that determines the regular termination in Ruashi pit 1.

Representation of the structural data and how the deposits behave is well illustrated by 3-D modelling of drillhole data overlain by structural pit maps.

Chapter 4

3D modelling of the Kinsevere deposit and Ruashi pit 1

Applications of 3D modelling

The use of 3D models in the exploration and mining sectors is a vital component for creating future targets. Three-dimensional models establish confidence in both emerging and established mines promoting investment. By modelling the data in 3D space, large-scale localised structural features such as faults and folds, can be identified. 3D modelling has been used to detect potential complications in open cast mining operations and allowed mine designers to pre-empt targets and safety issues. Furthermore 3D models are able to produce orebody models with contoured grade shells, demarcating high grade anomalies. Grade shells contrasted against lithologies can illustrate controlling factors such as lithological trends and structures. Successful exploration will extend the life of mine and promote investment to develop the mining operation further.

Leapfrog 3D modelling software

Traditionally 3D models are constructed through the use of polygons and polylines to produce wireframes on which the respective lithologies can be draped. The 3D models that are featured in this study were made using the Leapfrog Geo program, version 1.4.1. Leapfrog Geo uses interpolation or implicit modelling of data to make geological models. Implicit modelling is a rapid modelling technique that does not require manual input to derive a model. Leapfrog Geo 1.4.1 allows for large volumes of data to be processed quickly without labour intensive, modelling input. In this study the surfaces have all been produced with a resolution of 100 dots per inch (dpi).

The process of building the 3D models utilises structural surface data collected for both mines (Appendix A and Appendix B). Structural data only allows for surficial modelling and interpretation of the pits. In Kinsevere Central pit the surface data was coupled with drillhole data to show lithological trends at depth.

The generation of geological models requires the relative ages of the stratigraphy to be correct. The deposits host mineralisation in the classical Mines Series where the GRAT is overlain by the DStrat, RSF, RSC, SD and CMN respectively (Kampunzu and Cailteux, 1999; Hitzman *et al.,* 2010). Due to the unknown limits of the Mines Series within Kinsevere Central pit and Ruashi pit 1, the lower and upper limits of the stratigraphy were left as the RAT and CMN respectively. This results in falsely

thick RAT and CMN units that extend out of the deposit and are defined by the limits of the model area.

The 3D models cannot correctly define minor folding nor can they plot the fault splays identified in the pits. For this reason the faults were filtered to the dominant sets that have distinct stratigraphic displacements. Folds that occur within the same unit prove difficult to model, falsely deflecting the units in close proximity to them. This again requires the folds to be filtered, and in some cases excluded, to produce a realistic 3D representation of the deposit.

By using the collar, geology and assay logs provided by the Kinsevere Mine (see Appendix C) it was possible to produce models for the deeper extents of the respective deposits. The drillhole data used was logged by the geologists employed by Anvil Mining at the time. The modelled mineralisation honours stratigraphy, lithology and structural discontinuities. The mineralisation grade interpolants for Kinsevere Central have been restricted to 4000 ppm and more (high grade ore) to identify possible mineralisation controls.
Cross-section slices are taken through the models perpendicular to the strike of the bedding planes, allowing for the visualisation of the deposit in cross section.

3D model of Kinsevere Central pit

For modelling purposes the SD and BOMS have been classified as the same unit due to the discontinuous, small and erratic lenses of BOMS within the SD. The SD and CMN preserve the majority of the structural features, highlighting the complex folded and faulted nature of Kinsevere Central pit. The majority of the folds found in Kinsevere Central pit are minor folds which are preserved within the SD. Due to the resolution of the 3D model the minor folds cannot be modelled and have therefore been omitted.

The structural data from Kinsevere Central pit results in two large faults trending NW-SE and NE-SW respectively. These faults are suggested to be a conjugate set that formed during localised late D2 or early D3 deformation.

The pit map for Kinsevere Central pit introduced in chapter 2 has been draped over the 3D model to illustrate relative geological contacts on surface (Fig. 4.1 A). The position of the faults on the surface was inherited from the geological map (Fig. 4.1 B).

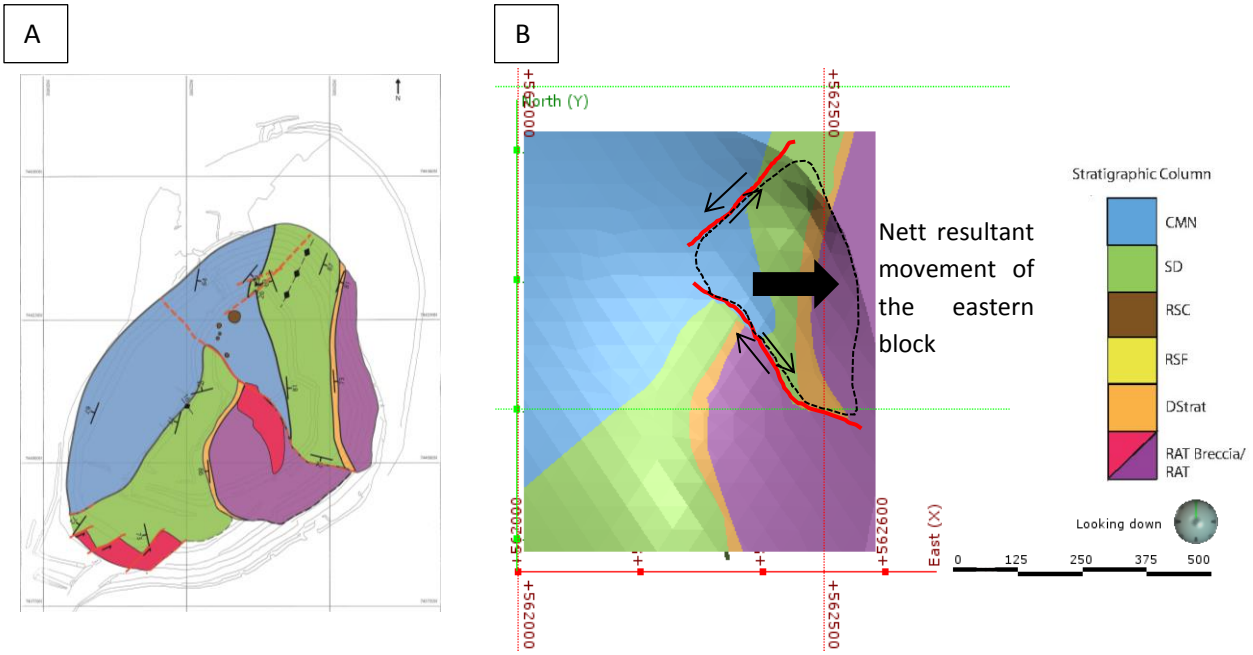


Figure 4.1: Plan view of Kinsevere Central pit. A) The topographical map overlay is contrasted against the 3D model to emphasise more subtle features. B) The main NW-SE trending fault has been highlighted in red to indicate the dextral sense of slip present in Kinsevere Central pit. The northern fault is mapped, but in plan view there is very little visible displacement along the plane. The faults are mapped with their respective displacements. From the plan view the deposit is seen to fold to the southeast eventually forming the Kinsevere Hill deposit. The combined effect of two faults on the eastern portion of the northern block possibly indicates a degree of tectonic escape in an eastward direction.

The NW-SE fault is observed to have a dextral sense of slip. The amount of displacement is exaggerated by both models and is more realistically estimated to be between 60-80 m. The NE-SW fault has very little displacement in plan view, but in cross section it has a 10-20 m sinistral displacement.

Sectional views were taken perpendicular to the bedding planes, illustrated by the dashed yellow lines, to identify potential features and variations along strike (Fig. 4.2). The dip direction for the northern portion of Kinsevere Central pit is W at a sub-vertical angle. The respective slices illustrate a change in dip direction to the E for the southern lithologies as the strata begin to fold. By contrasting the cross section views of the northern and southern portions of Kinsevere Central pit a gradual change in the dip direction is observed.

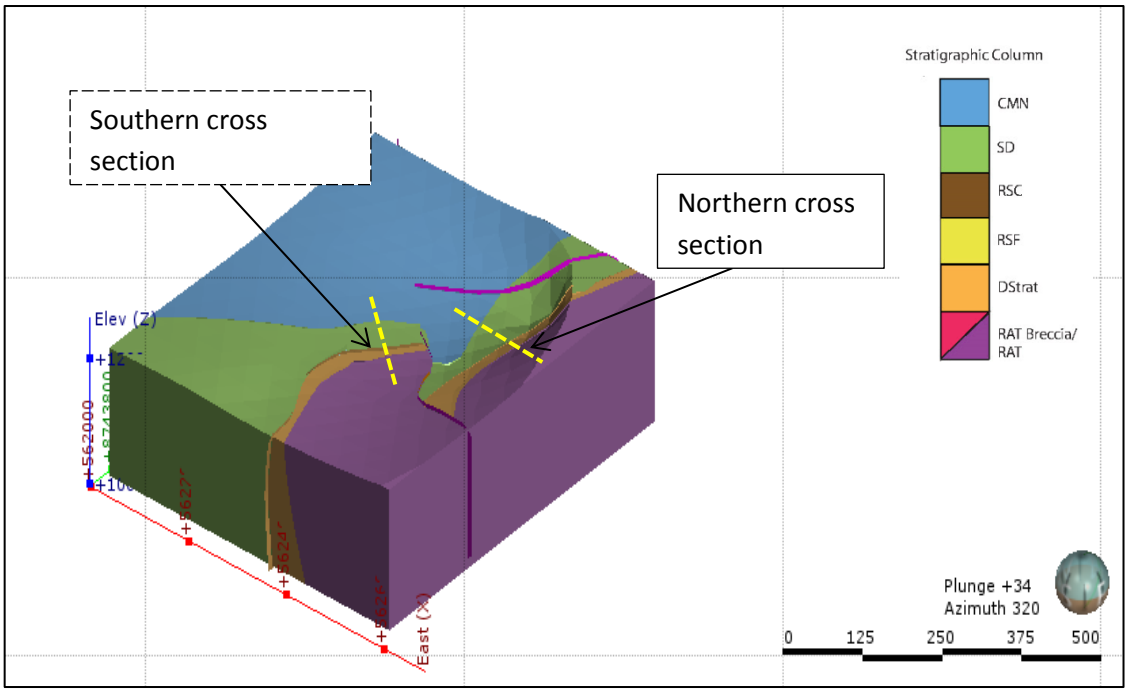


Figure 4.2: Perspective view of the Kinsevere Central pit. The deposit is viewed from the southeast looking northwest. The side profile highlights the change in dip from W in the northern end to E in the southern end moving from the Central pit to Kinsevere. The yellow dashed lines represent the cross sections on either side of the main fault that were contrasted against each other.

The northern portion of the model illustrates strata steeply dipping to the W (Fig. 4.3 A). By comparison the southern portion of the model has changed the dip direction of the strata to a subvertical E- dipping orientation (Fig. 4.3 B). It should be noted however that the dip variance may be the result of apparent dip based on the angle of the sliced section.

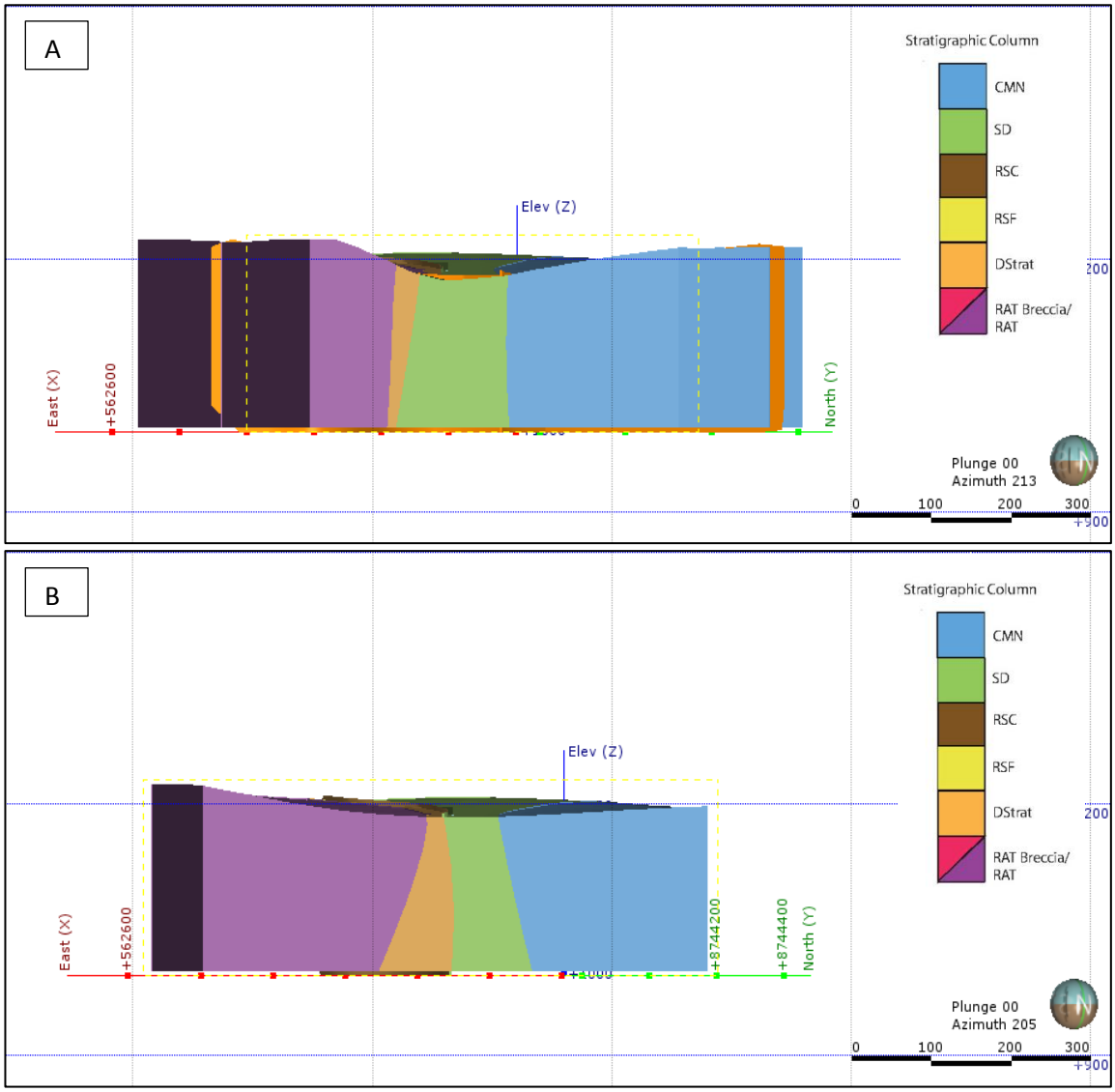


Figure 4.3: Cross section through the north and south portions in Kinsevere Central Pit. A) Cross section view of the northern portion looking south. The bedding planes are subvertical with a W-dip direction. B) Cross section of the southern portion looking south. The DStrat has visibly changed dip direction from the W to the E.

Kinsevere model based on drillhole data

The structural model of Kinsevere Central pit is based on surficial measurements that are too variable to identify the behaviour of the strata with depth. Drillhole data provides a better understanding of the preserved strata from the surface down (Fig. 4.4) (Appendix C). In Figure 4.4 the drillhole density is shown to be most intense in and around Tshifufia Mashi pit (Mashi), Tshifufia Central (Kinsevere Central pit) and Kinsevere Hill. The drillholes are concentrated around the pits range in depth from 100 m to 500 m. The drillholes that are situated some distance from the mine are consistently shorter than 100 m. This factor gives the models a better resolution and definition in the 3D models in comparison to the peripheral drillholes.

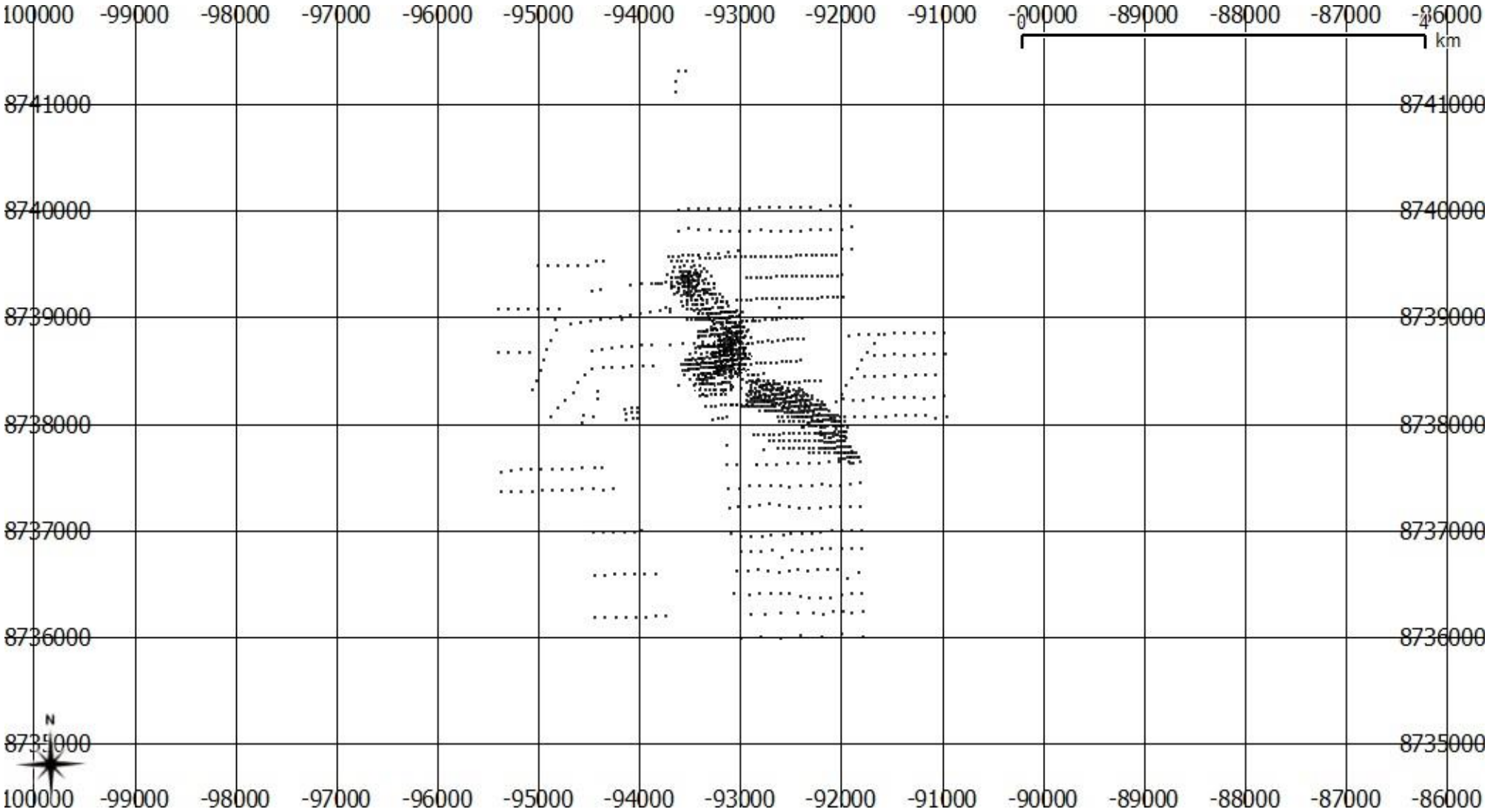


Figure 4.4: Layout of the Infill drilling program at the Kinsevere mine on which the 3D model was based. There are approximately 2000 drill holes which have contributed to the development of the models.

The modelled drillhole data from the Kinsevere deposit allows for the identification of potential structural trends within the Mines Series throughout the Kinsevere prospect (Fig. 4.5). The drillholes encompass the Tshifufia Mashi pit (Mashi), Tshifufia Central (Kinsevere Central pit) and Kinsevere Hill. Mashi is located in the northern portion of the geological model and is separated from the Kinsevere Central pit by a NE-SW trending fault and fold.

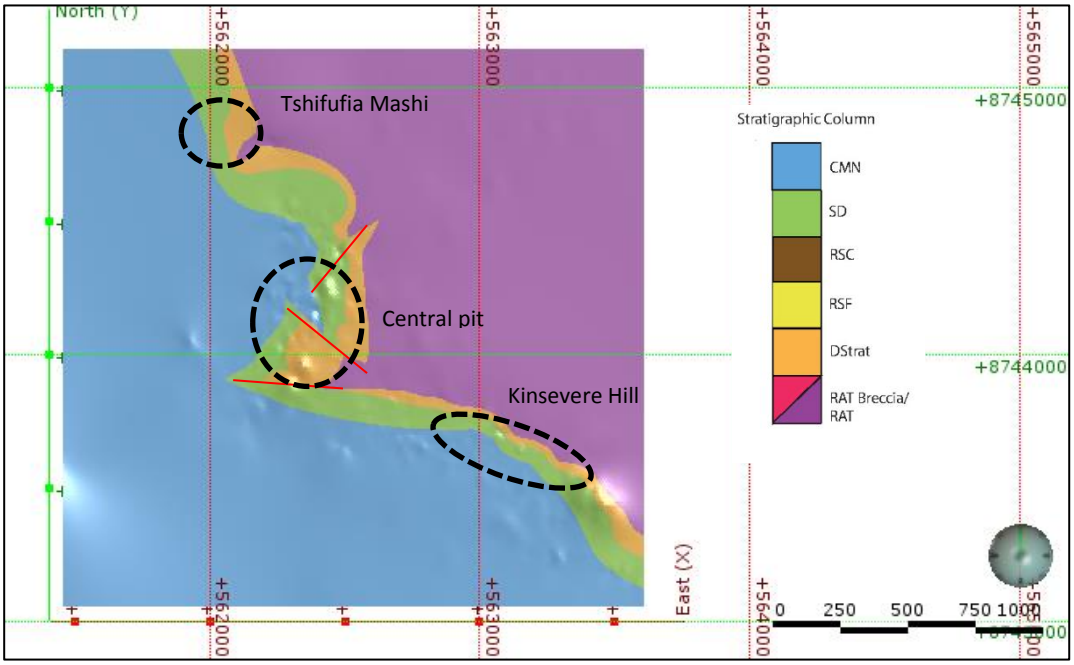


Figure 4.5: 3D Geological model with the geological map from Chapter 2 overlaid and contrasted against the 3D model without the topographic overlay. The respective faults are highlighted by the red lines. The overall trend of the lithologies is in a NW-SE direction with a two apparent hinges around the Kinsevere Central pit.

The Mines Series is variably oriented NNW-SSE between Tshifufiamashi and Kinsevere Central pits and WNW-ESE at Kinsevere Hill which makes it nearly perpendicular to Kinsevere Central Pit.

A series of folds deform the Mines Series strata into large z-shape structures (Fig. 4.5). The two faults identified in the pit have been added to the model. The southernmost fault has been modelled in the hinge of the tight fold deflecting the strata E-SE.

In plan view, the folds of the deposit vary from long wavelength, open folds in the north, to tight folds in the south of Kinsevere Central pit (Fig. 4.6). The majority of the bedding planes from Kinsevere Central pit are subvertical with a variable dip direction towards the east and west.

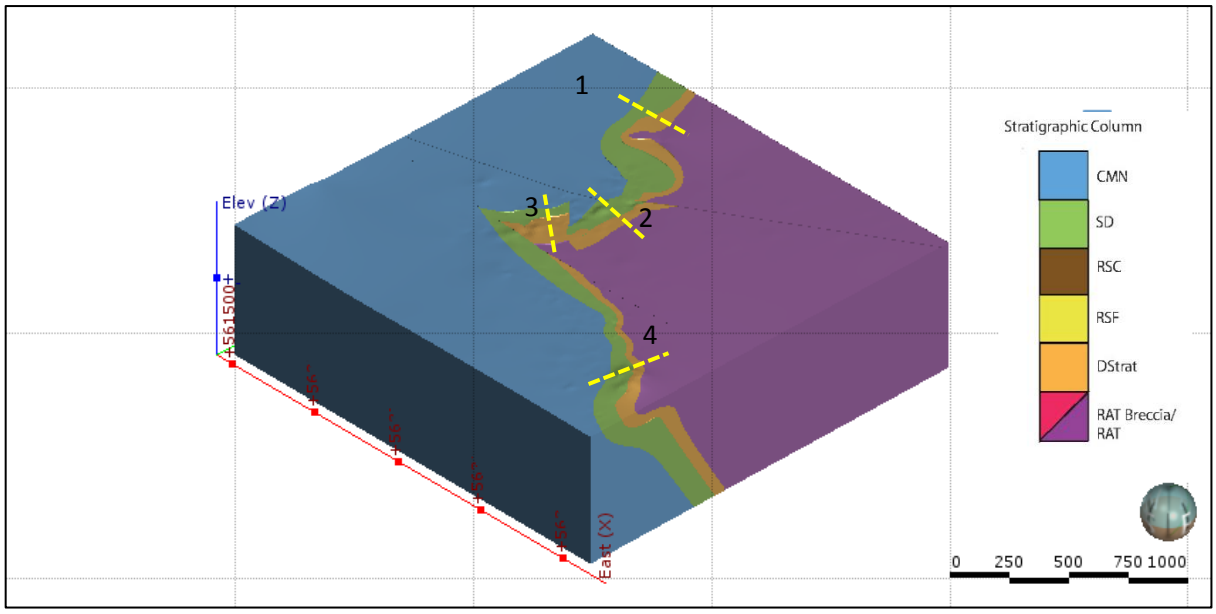


Figure 4.6: Oblique view of the Kinsevere prospect modelled from drillhole data. The figure highlights the respective cross sectional views (dashed yellow lines) which have been taken through the pit. Section 1 is a cross section taken through Mashi. Section 2 and 3 are cross sections take through Kinsevere Central pit in the northern and southern portions on the pit. Section 4 is a cross sectional view through the prospective Kinsevere Hill deposit.

Throughout the sequence the RAT, DStrat, SD and CMN are preserved, however, the RSF and RSC are absent from drill core along throughout the license area.

The first cross-section is taken through the Mashi deposit. The bedding planes in Mashi are dipping to the W at approximately 75° (Fig. 4.7). There are no prominent structural features highlighted by the drillhole data in the N-S striking Mashi deposit.

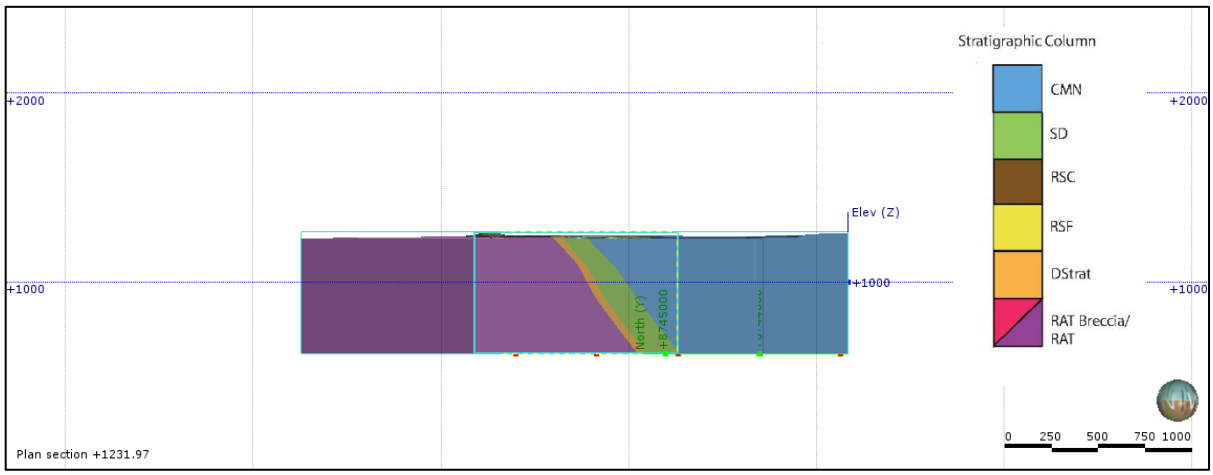


Figure 4.7: Cross-section 1 viewed from the north looking south. The sectional view through Mashi is located NW of Kinsevere Central pit. The RAT, DStrat, SD and CMN of the Mines Series are dipping steeply to the W at approximately 70°. There is very little structural deviation of the stratigraphy from folds or faults and a largely conformable sequence is preserved.

The second sectional view is taken from the northern portion of Kinsevere Central pit (Fig. 4.8). The section intercepts the surface faults mapped in the pit (Fig. 4.1 A and Fig. 4.1 B). The sectional view illustrates a reverse fault that has undergone a displacement of approximately 70-80 m. The vertical nature of the fault has a false dip created by the model and as a result should not be classified as a vertical fault without further investigation. This section view also indicates tight folds that extend down approximately 200 m from the surface.

From plan view the model exhibits large scale folding along the strike of the Mines Series as well as in the cross-sectional views (Fig. 4.8).

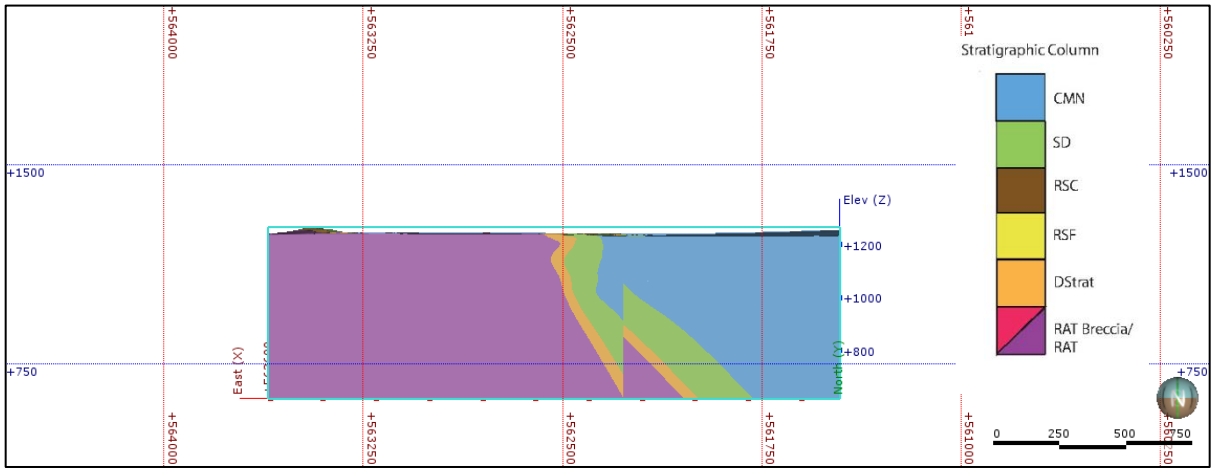


Figure 4.8: Cross section 2 of the northern block in the Kinsevere Central pit, viewed from the north looking south. The faults have been modelled upright and therefore emphasise a large degree of displacement, however, it must be noted that a reverse fault has a false displacement of over 200 m in the diagram.

The third sectional view is from the southern portion of the Kinsevere Central pit (Fig. 4.9). The cross-section view indicates a significant fold structure preserved by the DStrat and SD units that is

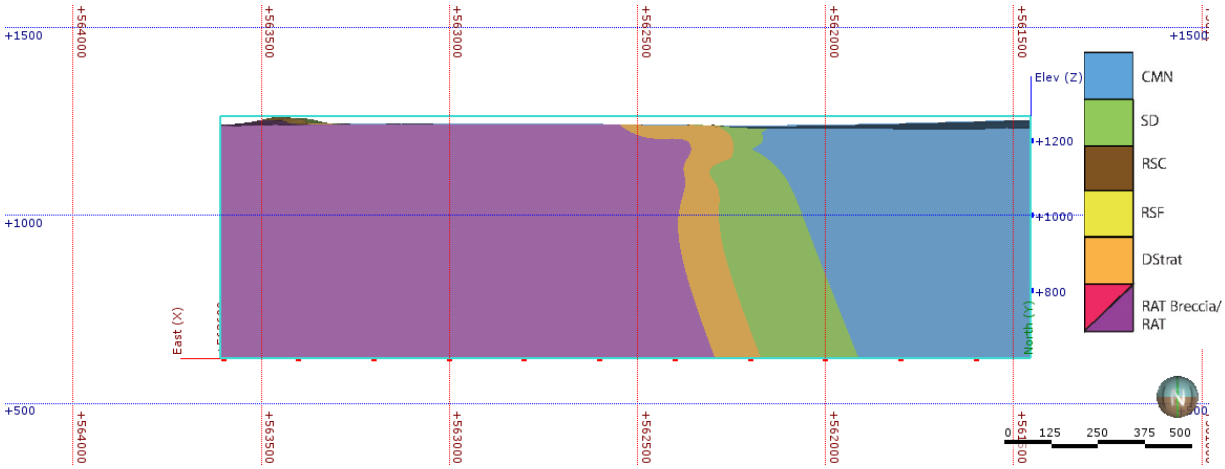


Figure 4.9: Cross section 3, viewed from the north to south, Sectional view of the southern block from Kinsevere central pit. The bedding planes are dipping steeply to the west at 80 ° with a N-S strike. The upper portion is highly folded by an anticline and a syncline with a shallowly plunging hinge.

near the surface of the deposit that is comparable to that seen in section two.

The fourth section is taken through the Kinsevere Hill prospect (Fig. 4.10). The upper 200 m surface of Kinsevere Hill is folded in the same manner as the second and third sectional views through Kinsevere Central pit, however, the dip direction has changed (Fig. 4.10). As a generalisation the strata that makes up the Mashi and Kinsevere Central pits is dipping to the W, whereas the Kinsevere Central Hill strata is dipping to the NE.

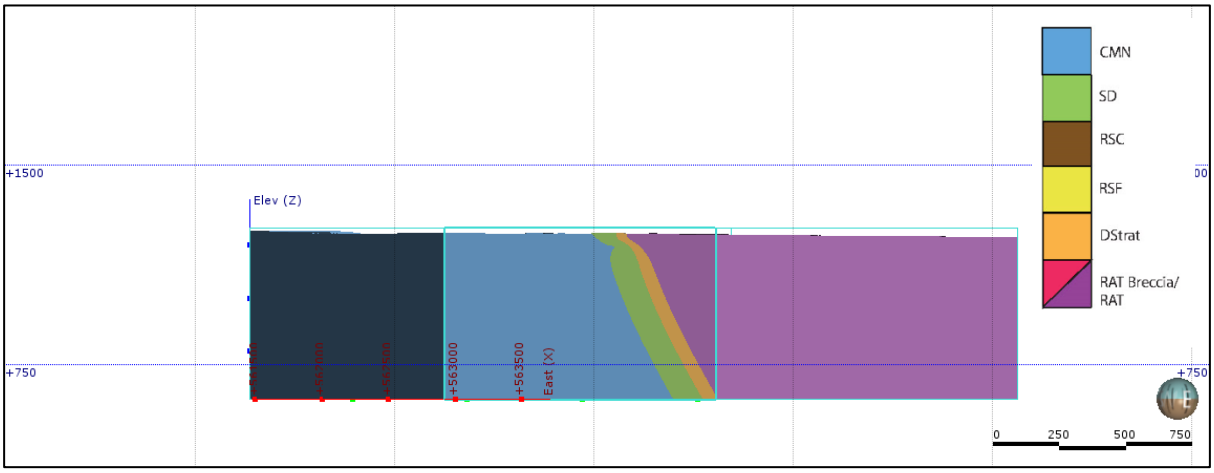


Figure 4.10: Cross section 4 is a sectional view through the Kinsevere Hill prospect, viewed from the southeast looking northwest. The stratigraphy is striking roughly NW-SE with a dip angle of approximately 80-85° NE. The upper portion of the Kinsevere Hill deposit is contorted in the same manner as the Kinsevere Central pit.

Leapfrog Geo can model the mineral assay data and contrast them against the geological model produced (Fig. 4.11 A). The high grade mineralisation is consistently concentrated within, and in close proximity to, the SD unit (Fig. 4.11 B). The strongly mineralised grade shells do not indicate any dominant structural controls that influence mineral distribution. Instead the mineralisation is seen to be folded and deformed with the SD strata in the Mines Series (Fig. 4.11 C).

The lower grade mineralisation is sparsely distributed and has a more pervasive characteristic across stratigraphic units. The grade shells illustrate that the majority of copper mineralisation is predominantly found in the Kinsevere Central pit (Fig. 4.11 C). The Mashi pit and Kinsevere Hill prospect are well mineralised but not to the same degree as the Kinsevere Central pit. The grade shells from Kinsevere Hill further indicate a strong stratigraphic relationship with mineralisation.

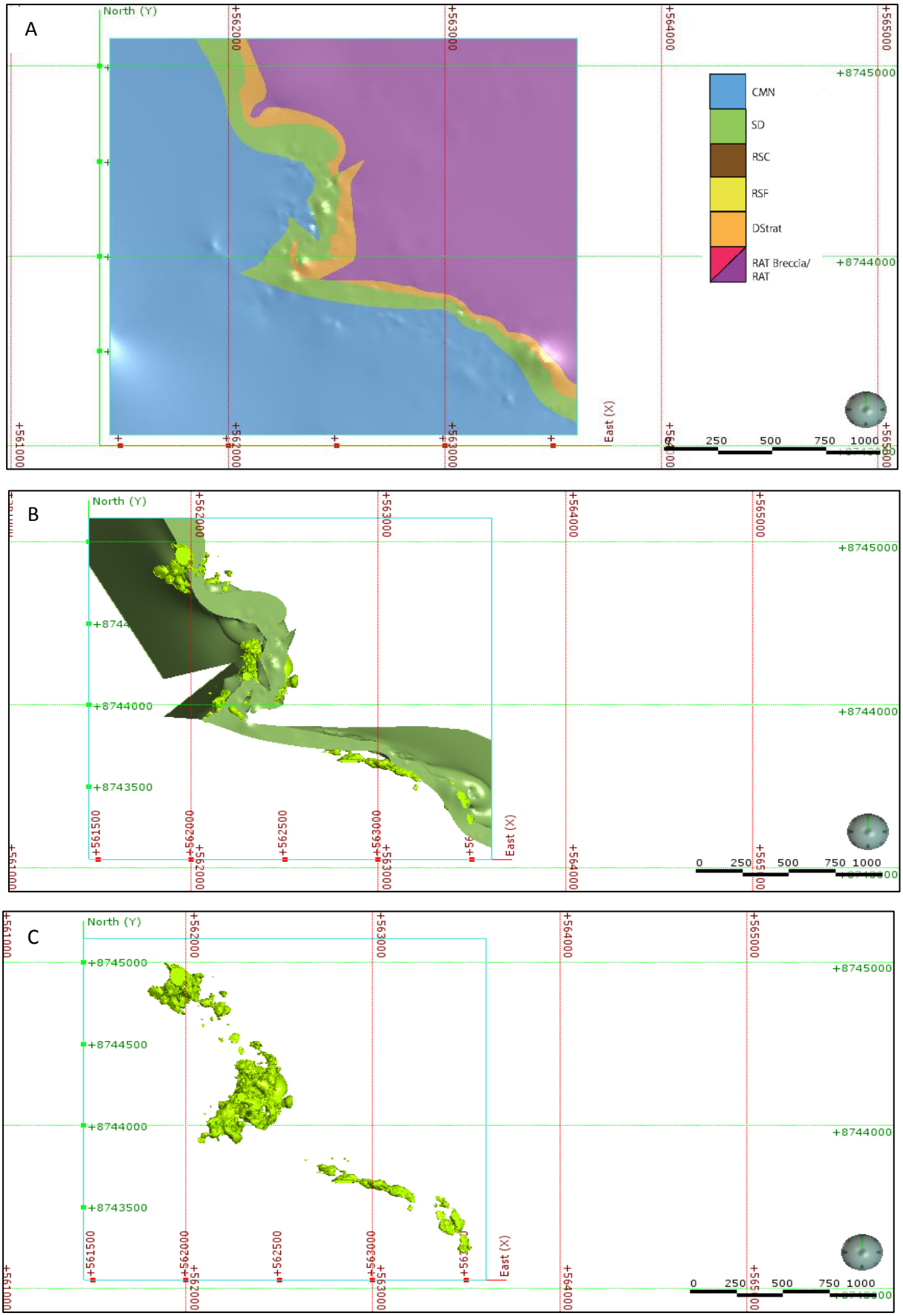


Figure 4.11: Plan view of the Kinsevere prospect. A) Represents the entire geological model of the folded Mines Series in the Kinsevere deposit. B) The SD unit has been isolated and modelled with the grade shells across the deposit, highlighting the strong correlation between the SD and mineralisation. C) The grade shell for mineralisation that is greater than 4000 ppm is modelled and illustrates the folded nature of the mineralisation.

3D model of Ruashi pit 1

The structural data from Ruashi pit 1 was based on surficial measurements. The topography of the model was inherited from the pit map generated in chapter 2 using GPS coordinates (Fig. 4.12).

Ruashi pit 1 includes the RAT, DStrat, RSF, RSC, SD and CMN units which make up the Mines Series. The geological model for Ruashi pit 1 uses the limits of the RAT and CMN units as the bounding lithologies of the 3D model.

The DStrat, RSF, RSC and SD have a measured inclination of 70° to the SW. The lithologies have a NW-SE strike (Fig. 4.12). Two large scale thrust faults have been plotted based on the in-house work

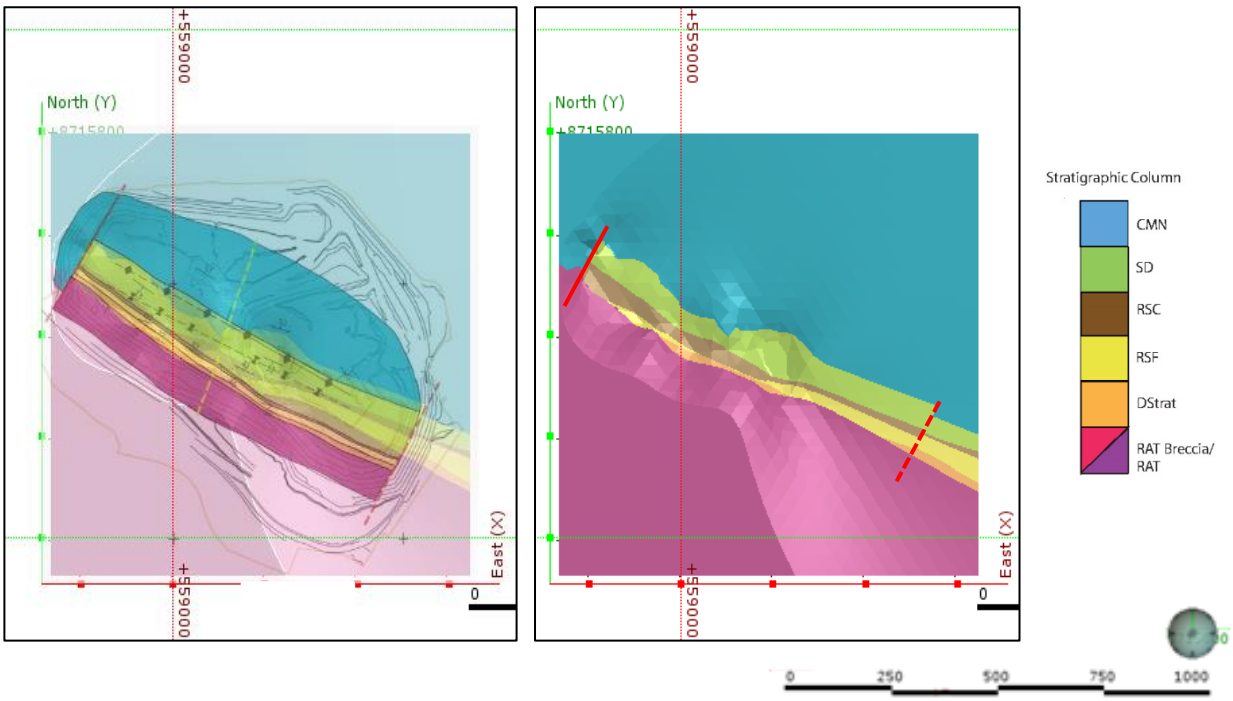


Figure 4.12: Geological map of Ruashi pit 1 contrasted against the 3D geological model. The geological map illustrates a more continuous DStrat unit in contact with the RAT, whereas the 3D model illustrates the DStrat as a more variable unit with surface expressions being sparse. Two pit bounding thrust faults are identified on the model, defining the limits of Ruashi pit 1 (Williams *et al.,* 2010).

done by Metorex (Williams *et al.,* 2010). The variance of the bedding planes with depth is poorly defined due to the absence of drillhole data and as a result the geological model represents shallow surface trends (Fig. 4.13).

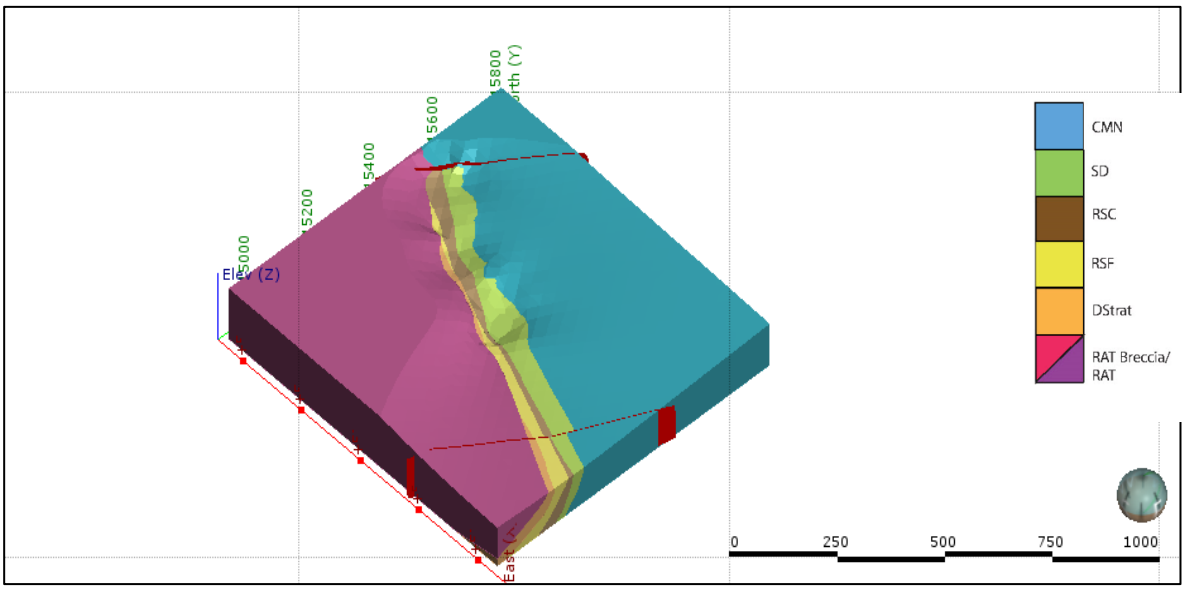


Figure 4.13: Perspective view of Ruashi pit 1. The perspective view illustrates the linear exposure of the deposit and the relatively steeply-dipping bedding planes to the SW.

The dip angle from the 3D model of Ruashi pit 1 is dipping at approximately 76° to the SW (Fig. 4.14). The DStrat, RSF and RSC are the thinnest units in the deposit, commonly deposited with a NW-SE strike. The RSF and RSC units rarely exceed a thickness of more than 20 m. The surface measurements indicate that there is folding within the first 50 m from the surface of the deposit.

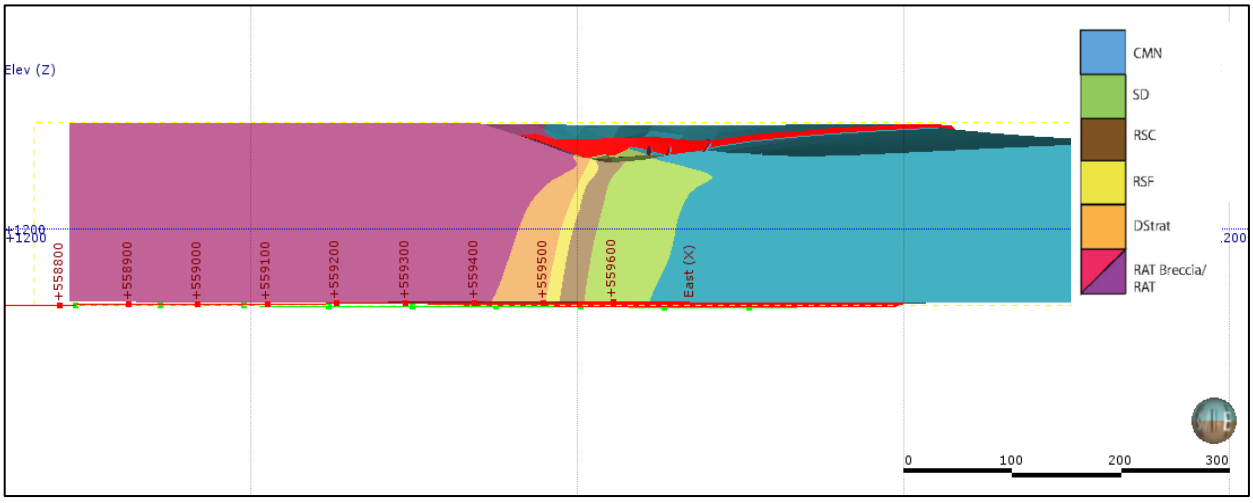


Figure 4.14: Cross section of Ruashi pit 1. The cross section emphasises the 76° dip angle to the southwest as well as the relatively thin nature of the DStrat, RSF and RSC units respectively.

Discussion

The models produced in this study allow for a rapid evaluation of the Kinsevere deposit and Ruashi pit 1. The models assess the grade, ore distribution and lithological controls within the respective pits.

The Kinsevere deposit

The models from Kinsevere Mashi pit, Kinsevere Central pit and Kinsevere Hill prospect are far more diverse in terms of structural deformation than that seen in Ruashi pit 1.

Kinsevere Mashi pit intersects approximately 200 m of the Mines Series group which strikes N-S. The bedding planes are not overturned in Mashi but dip steeply to the west. The proportion of mineralisation in Mashi is significantly lower than that associated with Kinsevere Central pit.

The Kinsevere Central pit intersects approximately 500 m of N-S striking Mines Series strata, recording a transition of dip direction from the W to E as one proceeds from the N to the S. The majority of the beds are steeply dipping to the west at approximately 75°. Furthermore there appears to be an accumulation of DStrat from the north to the south of the Kinsevere Central pit. This results in the southern end of the pit having a thicker intersection of DStrat.

Kinsevere Central pit is intensely deformed by folding that has resulted in the overturned bedding planes. The folds are interpreted to be associated with initial E-W shortening during Kolwezian deformation (Kampunzu and Cailteux, 1999; Haest and Muchez, 2011; Kipata *et al.,* 2013). Kolwezian deformation is regionally associated with the formation of the Fold-and-Thrust Belt during cratonic collision between the Congo and Kalahari cratons (Kampunzu and Cailteux, 1999). Analysis of the plan view suggests that there is a strong possibility that the maximum compressive stress is oriented NNW-SSE. This is comparable to the Monwezian phase of deformation, which is locally interpreted to be responsible for the reorientation of the compressive stress from E-W to N-S (Kipata *et al.,* 2013). The lateral ejection and eastward displacement of the eastern portion of Kinsevere Central pit is attributed to the N-S shortening during Monwezian deformation. From the cross sections a distinct change in the vertical orientation of the bedding planes is observed and interpreted to be a likely result of folding during E-W shortening.

The observations made in Kinsevere Central pit from chapter 3 and chapter 4 are consistent with the observations made by Kazadi *et al.,* (2012) and Kipata *et al.,* (2013). Kazadi *et al.,* (2012) and Kipata

et al., (2013) identified E-W and N-S shortening as well as the eastward displacement in Kinsevere Central pit. They attributed the strike slip fault planes to the Monwezian deformation event. Tectonic escape within Kinsevere Central pit, documented by Kipata *et al.,* (2013) suggests a N-S shortening direction related to Monwezian deformation. The ejection of the eastern portion of the Kinsevere Central pit, identified in chapter 3 and by Kazadi *et al.,* (2013) is attributed to the formation of faults oriented NW-SE and NE-SW. In addition to this lateral displacement the deformation event associated with the N-S shortening (Kazadi *et al.,* 2012 and Kipata *et al.,* 2013) could be the main cause of the buckling of the Mines Series strata in the Mashi and Kinsevere Central pits.

The Kinsevere Hill prospect is a WNW-ESE trending, steeply NE-dipping exploration target that is 250 m long and 110 m wide. From sectional views the bedding planes are overturned as determined by the relationship of the RAT to the DStrat, SD and CMN respectively. From the model it is also apparent that the bedding planes are dipping steeply to the N-NE as opposed to the W-SW, as seen in the Kinsevere Central pit and Mashi. The orientation of the strata in Kinsevere Hill is interpreted to be a late deformation event associated with Monwezian deformation. N-S constriction has forced the N-S striking strata to buckle and fold as seen in Figure 4.5. The grade distribution in the Kinsevere deposit (Mashi, Kinsevere Central pit and Kinsevere Hill) identifies the preferential concentration of copper and cobalt mineralisation to the SD and DStrat strata. The buckling of the Mines Series strata due to N-S shortening possibly caused an accumulation of the SD and therefore increased the amount of copper and cobalt hosted in Kinsevere Central pit. Mashi is comparatively similar to the Kinsevere Central pit, however, it is drastically smaller. In Kinsevere Hill the Mines Series strata is drawn out or extended in a W-SE orientation, resulting in a thin occurrence of Mines Series strata and therefore lower grades.

Ruashi pit 1

The 3D model of Ruashi pit 1 has been constructed based on major stratigraphic units and structural features including geological discontinuities. The bedding planes from Ruashi pit 1 are approximately perpendicular to the thrusts which are NE-SW striking (Williams *et al.,* 2010). The orientation of the faults with respect to the proposed deformation events is interpreted to have arisen from a combination of the E-W and N-S shortening during Kolwezian and Monwezian deformation. The main geological feature identified in Ruashi pit 1 is a large antiformal syncline that has a fold axis trending NW-SE. The NW-SE orientation of the bedding planes is directly related to the E-W shortening during Kolwezian deformation, which produced the NE-verging folds of the Fold-and-Thrust Belt (Kampunzu and Cailteux, 1999). The antiformal syncline identified in this study has been

identified historically as a recumbent syncline at depth in Ruashi pit 3 by Metorex (Williams *et al.,* 2010). It is uncertain whether the fold is recumbent or not due to the lack of drillhole data. In order to contrast and further validate the measurements of the 3D model for Ruashi pit 1 a 3D wireframe model from Metorex has been used to illustrate their drillhole data (Fig. 4.15) (Williams *et al.,* 2010). The model produced by Metorex for Ruashi pit 1 has consistent, steeply dipping bedding planes striking NW-SE (Fig. 4.14 and Fig. 4.15) (Williams *et al.,* 2010). Furthermore the thickness of the bedding planes from the Metorex model is comparable to the plan view of the 3D model produced in this study (Fig. 4.14 and Fig. 4.15).

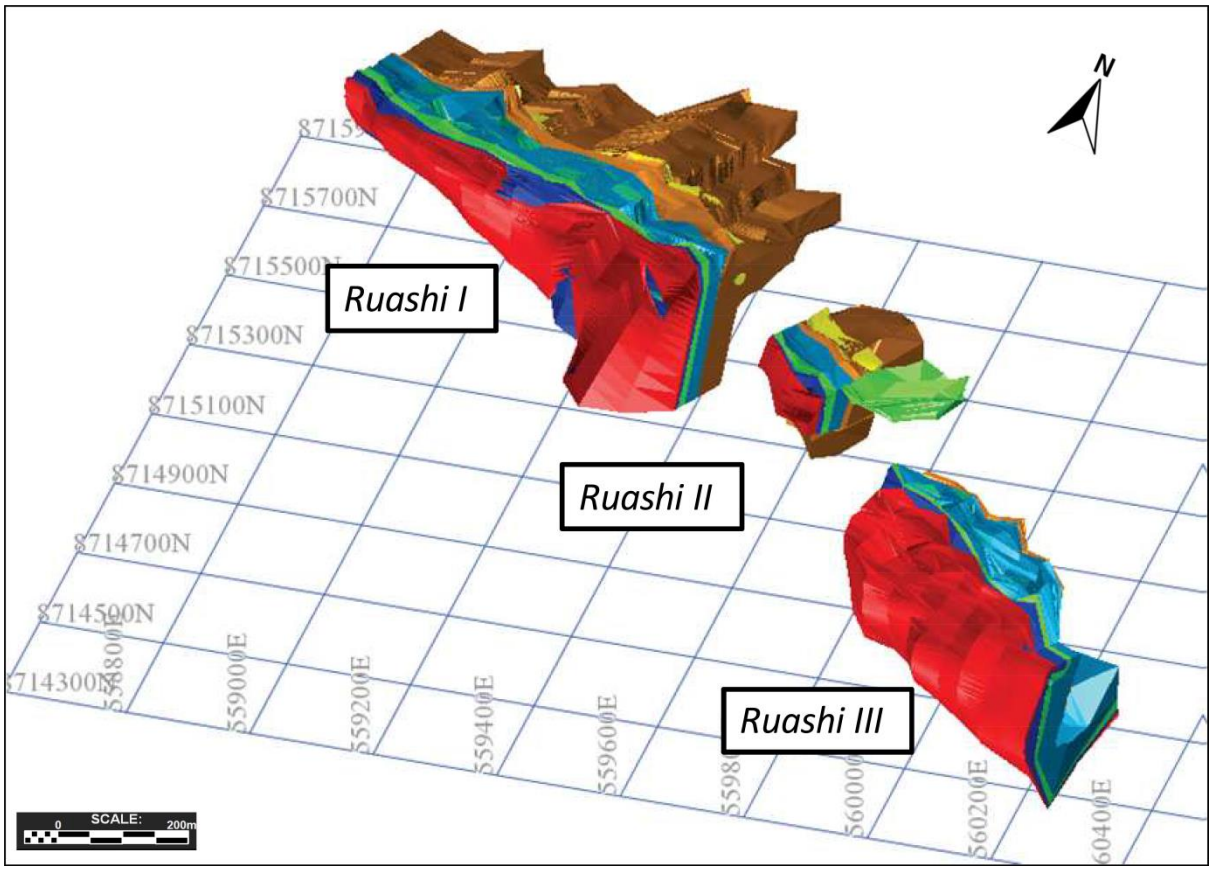


Figure 4.15: Isometric view of the Ruashi pit 1 lithological wireframes from the Metorex CPR on Ruashi pit 1. Ruashi pit 1, 2 and 3 are indicated in the 3D model. Ruashi pit 3 illustrates the recumbent syncline documented in the Ruashi pit 1 deposit.

The offsets between Ruashi pit 1, 2 and 3, have been interpreted by Metorex as large thrusts (Williams *et al.,* 2010). These thrusts represent a late stage brittle deformation event due to their overprinting nature. A possible late stage deformation event that could produce these faults with their respective orientations is the N-S shortening associated with Monwezian deformation or a later event (Kipata *et al.,* 2013).

Conclusion

The structural analysis in Chapter 3 accurately produced 3D models for the Kinsevere Central and Ruashi pit 1 deposit respectively. The Kolwezian and Monwezian deformation events that are associated with E-W and N-S shortening accurately fit the 3D models, produced in this study, in both deposits. Evidence suggests that the reorientation of the shortening direction from E-W to N-S is a strong possibility as it satisfactorily explains the formation of the doubly plunging syncline in Kinsevere Central pit as well as the formation of NNE-SSW trending thrusts in Ruashi.

In terms of mineralisation, drillhole assay data for the Kinsevere deposit shows no concentration of ore grade along the fault planes. The mineralisation does not show preferential concentrations in the RAT and CMN, instead, it is found in the classical upper and lower orebodies of the SD and DStrat. Relating the assay structural evolution of the Kinsevere deposit suggests that the majority of the mineralisation predated the brittle deformation phase. This is consistent with what is seen in the structural analysis, which constrains the timing of the faults to Kolwezian and Monwezian deformation events (Kipata *et al.,* 2013; Kampunzu and Cailteux, 1999). The E-W and N-S shortening are therefore post main-stage mineralisation.

Overall the previously existing 3D model is not comparable with the surface measurements. Since there does not seem to be any major structural control on mineralisation, sample petrographic analysis was also utilised to investigate micro features from the deposits in order to determine whether or not there are any other features that contribute to the controls on location of mineralisation.

Chapter 5

Mineralisation in the Congolese Copperbelt

Introduction to mineralisation in the Copperbelt

The strata of the Katangan Supergroup is described as autochthonous in Zambia and allochthonous in the DRC (Cailteux *et al.,* 1994). The majority of the copper-cobalt mineralisation in the western portion of the Lufilian Arc in the DRC is found in the R2 subgroup (Mines Series) (Dewaele, *et al.,* 2006).

For a metallotect the size of the Katangan basin, certain criteria must be met in order to produce the extensive mineralisation preserved. Initially, copper was introduced during diagenesis (Cailteux, 1994; Hitzman *et al.,* 2010). Studies suggest that an enormous volume of circulating fluid, active over a relatively long period of time, is driven by a hydrothermal – redox mechanism (Cailteux, 1994; Hitzman *et al.,* 2010). The basin characteristics required to produce these conditions are an oxidised metal source from the red beds (RAT), reduced facies (DStrat, RSF, RSC, SD) which reduce the circulating fluids, a basin seal composed of fine-grained evaporite-bearing dolomites and dolomitic shales (SD and CMN) and finally a rift basin, with transgressive deposition (Fig. 5.1) (Cailteux, 1994; Cailteux *et al.,* 2005; Hitzman *et al.,* 2010). The porous lithologies at the base of the Mines Series were sealed by a relatively impermeable succession of dolomites and dolomitic shale which closed the basin circulatory system (Hitzman *et al.,* 2010). This process upgraded and circulated the majority of the soluble metals over a protracted length of time (Fig. 5.1) (Hitzman *et al.,* 2010). Later stages of copper and cobalt deposition were to basin closure and subsequently crustal shortening (Cailteux *et al.,* 2005). This led to the classification of mineralisation in the Lufilian Arc as a multiphase process (Dewaele *et al.,* 2006).

Ore grade mineralisation is generally confined to the basin margins where the red beds are thin or pinched out (Hitzman *et al.,* 2010). This preferentially concentrates fluid flow along redox boundaries between the oxidised RAT and the overlying DStrat, RSF and RSC, as well as between the SD and CMN (Hitzman *et al.,* 2010).

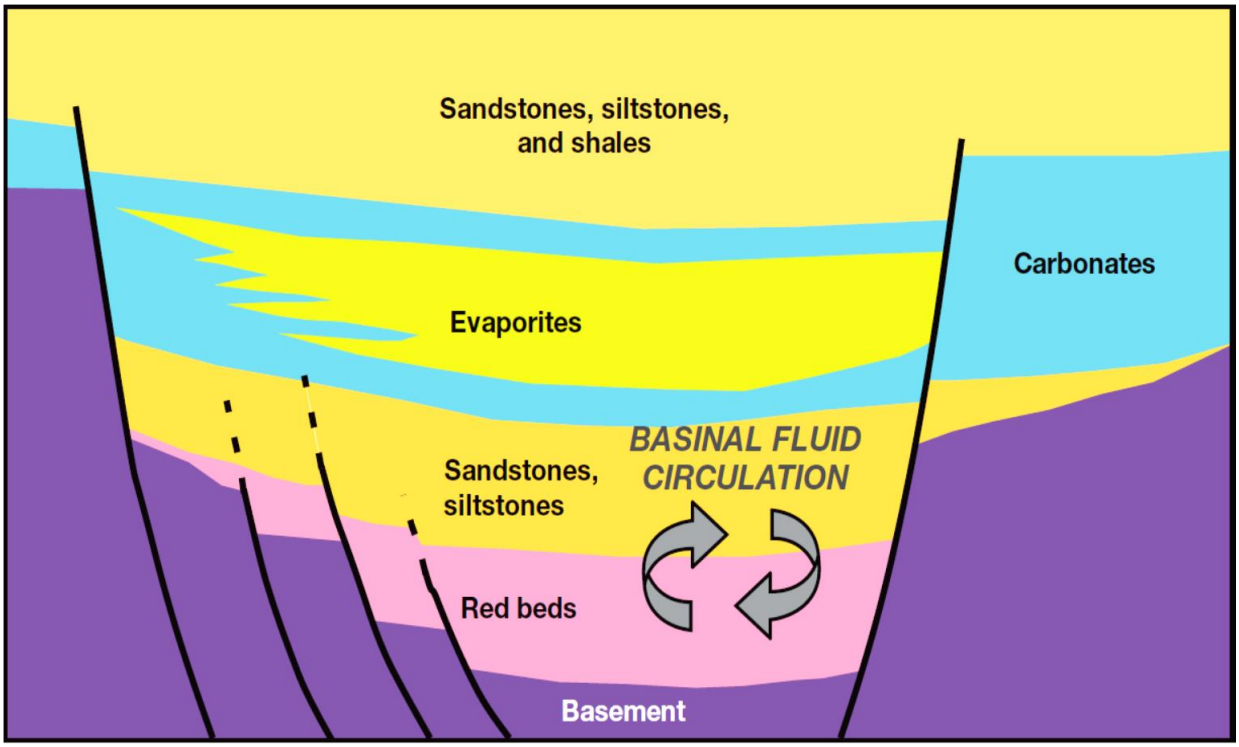


Figure 5.1: The hypothetical illustration of the formation of a rift-related basin with a closed system that facilitated deposition of sulphides (Hitzman *et al.,* 2010). Synrift red beds, sandstones and carbonates transgressively overlie the basement with an evaporite seal. The concept behind the trap and seal model is that the residual brines and/or the dissolution brines permeate down towards the basal contact where they intercept the red beds. The now oxidised brines, circulated back up through the overlying sequences by means of basement heating and/or heat produced during loading of the overburden. The oxidised brines circulate through reduced phases of strata depositing sulphides (Cu-Co).

Mineralisation types

Mineralisation in the Mines Series is either related to hypogene or supergene processes. Hypogene mineralisation describes mineralisation that originates from beneath the orebody and is mainly associated with the sulphide facies (van Langendonck *et al.,* 2013).In the Congolese Copperbelt the sulphides related to hypogene mineralisation are stratabound, more specifically, along the stratigraphic interval between the RSF and RSC units as well as the SD (Selley *et al.,* 2010). Hypogene mineralisation in the Congolese Copperbelt is comprised of disseminated and vein hosted copper and cobalt as chalcocite, chalcopyrite carrollite and bornite (Selley *et al.,* 2010).

Supergene mineralisation occurs near the surface of the deposit, above the meteoric water line, in vugs and pore spaces (van Langendonck *et al.,* 2013). Supergene alteration identifies the alteration of sulphides to oxides and carbonates primarily due to oxidation and remobilisation (Fay and Barton, 2011). These spaces become filled by remobilised copper and cobalt minerals (Selley *et al.,* 2010).

The oxide facies hosts the majority of the supergene mineralisation (Fay and Barton, 2011) with the majority of the supergene mineralisation being located towards the base of the oxide facies (Fig 5.2). Both faulted and brecciated zones tend to have a deeper oxide profile due to the increased porosity of the parent rock (Selley *et al.,* 2010). Primary sulphides are altered to a variety of supergene minerals which are deposited in the respective lithologies (van Langendonck *et al.,* 2013). Mineral varieties include malachite $\{Cu_2(CO_3)(OH)_2\}$, azurite $Cu_3(CO_3)_2(OH)_2$, cobaltiferous malachite $\{Cu_2(Co)(CO_3)(OH)_2\}$, chrysocolla $\{(Cu,Al)_2H_2Si_2O_5(OH)_4 \cdot nH_2O\}$, kolwezite $\{(Cu,Co)_2(CO_3)(OH)_2\}$, heterogenite $\{CoO(OH)\}$, and sphaerocobaltite $\{CoCO_3\}$ (Nesse, 2000; El Desouky *et al.,* 2008; Fay and Barton, 2011). Between the sulphide and oxide facies is the transition zone. The transition zone roughly indicates the depth to which oxidation has penetrated down into the surface. Dewaele *et al.,* (2006)

The depth of the supergene profile varies enormously due to the fact that it is dependent on the permeability of the rock. Figure 5.2 illustrates a generalised model of hypogene and supergene mineralisation (Myers, 2010).

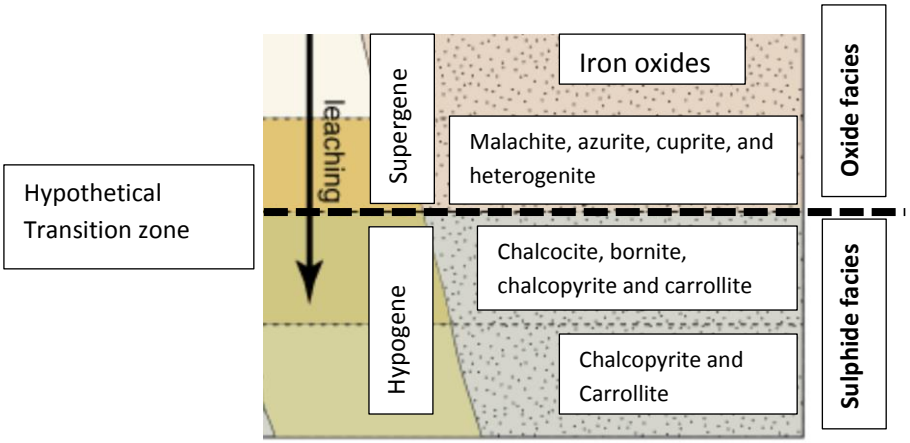


Figure 5.2: A hypothetical illustration of the sulphide and oxide facies relative to hypogene and supergene mineralisation (modified after Myers, 2010).

The oxides and carbonates that are present in supergene mineralisation were precipitated from the copper-cobalt bearing fluid due to the reductant layer they interacted with (Fig. 5.3) (Selley *et al.,* 2010).

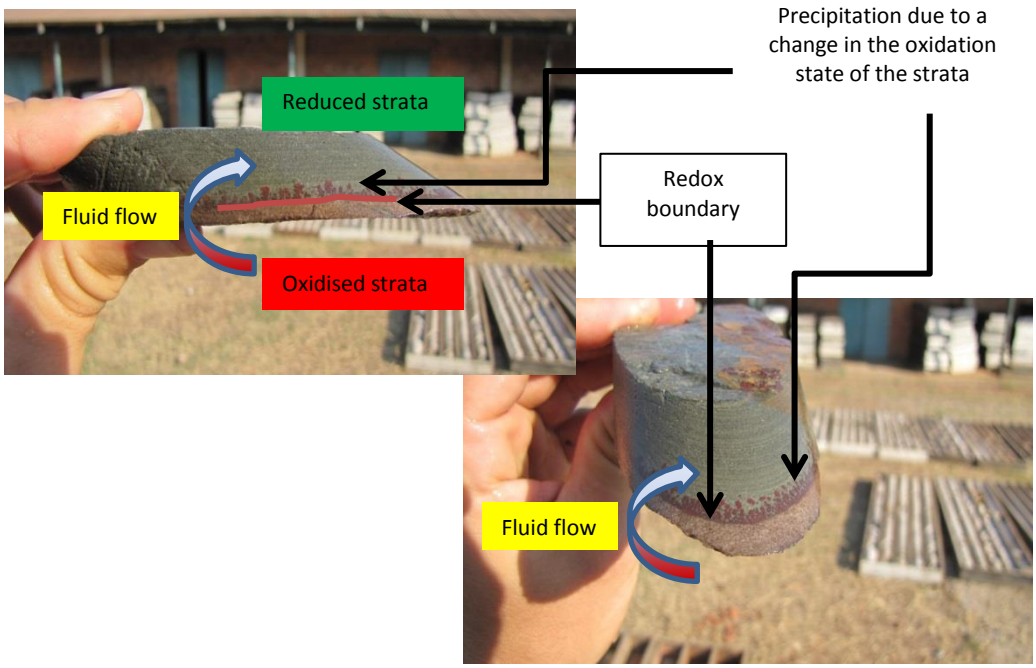


Figure 5.3: Physical evidence for a REDOX reaction in the Katangan Basin. The precipitation of iron-rich metals is highlighted by the small red blebs in the green portion of the rock. The two facies on either side are reduced (green) and oxidised (red) respectively. The direction of fluid flow is indicated to have moved from an oxidised environment to a reduced environment.

Characteristics of the copper and cobalt deposits from the Congolese Copperbelt

The majority of the mineralisation in the Congolese Copperbelt is found in stratiform deposits, where copper and cobalt mineralisation is preserved as disseminated ore (Table 5.1) (Dewaele *et al.,* 2006). Stratiform- hosted copper and cobalt is easily remobilised and redeposited during supergene mineralisation due to meteoric fluid flow (van Langendonck *et al.,* 2013; Francois, 1973; Dewaele *et al.,* 2006). Francois (1973) indicated that supergene enrichment accounts for approximately 25% of the total mineralisation of copper and cobalt systems found in DRC and that the Congolese Copperbelt has more oxide ore in comparison to the Zambian Copperbelt. Table 5.1 indicates the distribution of mineral occurrences based on the ore type in relation to their respective stratigraphic location (after Dewaele, *et al.,* 2006). The numbers in Table 5.1 indicate the number of occurrences of a specific ore type in the Congolese Copperbelt. Dewaele *et al.,* (2006) indicated that stratiform mineralisation is the dominant ore type found in the lower Roan Group (R2) rocks. Furthermore Dewaele *et al.,* (2006) identified that the overlying rocks from the Nguba (Ng) and Kundelungu (Ku) Groups are hosts to oxides and carbonates as a result of supergene mineralisation.

Table 5.1: An overview of the different mineral occurrences in the western part of the Copperbelt in the DRC after Francois, 1973 and modified by Dewaele, *et al.,* 2006.

Ore type	Metals	Economic mineralization							Non-economic mineralization							Total mineralization/stratigraphy							Total type/metal		
		R	R2	R3	R4	Ng	Ku	?	R	R2	R3	R4	Ng	Ku	?	R	R2	R3	R4	Ng	Ku	?	Cu	CuCo	other
Stratiform	Cu		9							16				2			25				2		27		
	CuCo		30							16			1	1			46			1	1			48	
	Other		15							7							22								22
Supergene enrichment	Cu		2	3	1	2	1		1		6	4	9			1	2	9	5	11	1	0	29		
	CuCo		1		2						1	1					1	1	3					5	
	Other		2												2										2
Vein	Cu																					2	2		
	CuCo																								
	Other		2			1		1						1			2			1	1	1			5
Unknown	Cu			1					4					5		4		1			5		10		
	CuCo		1							2	1						3	1						4	
	Other														1							1			1
Total/stratigraphy		0	62	4	3	3	1	1	5	41	8	5	10	9	3	5	103	12	8	13	10	4	70	57	28

R = deposit in Roan Group, R-x = Roan Sub-Group, Ng = Nguba, Ku = Kundelungu, ? = unknown age of hostrock. Mineral occurrences with a different metal content as Cu and Co -like U, Ni, Pb, Cd, Ge, Ba, Au, Fe, Mn, Mo, Re, V, Pd- are grouped under "other" (after François, 1973).

Malachite is preferentially hosted in the oxide facies and is the preferable resource to mine because of its relatively shallow depth and high copper tenor, which can be as much as 57.4% (van Langendonck *et al.,* 2013; De Putter et. al., 2010). The variable distribution observed between the copper sulphides and cobalt sulphides is possibly due to the mobile nature of copper compared to that of cobalt (van Langendonck *et al.,* 2013).

The timing of mineralisation and subsequent remobilisation in the DRC is difficult to constrain, however the evolution of mineralisation in the Copperbelt lithologies is documented as follows (after Cailteux *et al.,* 2005):

1. Late Diagenesis – Primary stratiform hypogene mineralisation, of disseminated chalcopyrite and carrollite, that is synchronous with the deposition of the Katanga Supergroup.
2. Hypogene veining – Deformation of the Mines Series occurs in the form of folds and faults and is believed to have mobilised the copper-cobalt in the sediments and redeposited these metals in veins.
3. Supergene – The oxide facies overlies the sulphide zone. Due to leaching and weathering, the highest grades of Cu-Co are generally situated towards the base of the oxide facies near the sulphide facies. The oxide facies can occur to depths ranging from 50-150 m.

In addition to hypogene and supergene mineralisation, whole-rock hydrothermal alteration has been broadly documented throughout the Copperbelt (van Langendonck *et al.,* 2013; Hitzman *et al.,*

2010). Fay and Barton (2011) noted that mineralisation is associated with alteration in hydrothermal systems and that mineralisation may be related to specific alteration stages.

Common alteration associated with the Copperbelt

Alteration phases in the sedimentary sequences of the Katangan basin are highly variable and indicative of both oxidising and reducing environments. According to Hitzman (2010), there are four major types of alteration present; silicification, potassic alteration, magnesium alteration and sodic alteration.

Silicification is believed to have begun during early diagenesis, resulting in varying degrees of quartz replacement in the sediments of the Katangan basin (Selley *et al.,* 2005; Selley *et al.,* 2010). The Mines series is identified as the main evaporite-bearing unit that preserves quartz replacement of the evaporites during early diagenesis (Hitzman, 2010; Selley *et al.,* 2010)). Minor potassic alteration has been identified to have occurred at the end of silicification (Selley *et al.,* 2010).

Potassic alteration resulted in the formation of fine-grained potassium feldspar and micas such as biotite and phlogopite (Hitzman, 2010). Potassic alteration is restricted to the argillaceous beds, siltstones and breccias within the DStrat, RSF, SD and RAT units, however no potassic alteration is evident in the RSC units (Hitzman, 2010). Copper mineralisation that occurred during potassic alteration is more evident in the Zambian Copperbelt than in the Congolese Copperbelt (Selly *et al.,* 2005). Evidence for an association between copper-cobalt mineralisation and potassic alteration is present at the base of the SD layer where weak but pervasive potassic alteration occurs in conjunction with disseminated sulphides (Hitzman, 2010). Potassic alteration is known to occur simultaneously with magnesium alteration (dolomitisation) (Hitzman *et al.,* 2010).

Magnesium alteration is the main alteration type seen in the Congolese Copperbelt and is not constrained to any particular sequence but rather distributed throughout the stratigraphy in varying degrees (Hitzman, 2010). The most common magnesium alteration assemblage seen is chlorite-talc-dolomite-quartz, which cross-cuts and replaces the potassic alteration mineral assemblages (Hitzman, 2010). The more carbonaceous sequences display crystal regrowth and expulsion of excess carbonate matter. Quartz crystallisation that resulted from early silicification is commonly replaced and associated with dolomite (Hitzman, 2010). Magnesium alteration tends to be directly proportional to silicification, particularly in the more carbonaceous rocks (Hitzman, 2010). Silicification occurred prior to potassic alteration and magnesium alteration due to the silicified units

being commonly over-printed and replaced by the magnesium phase alteration minerals (magnesium chlorite) and talc (Selley *et al.,* 2005; Selley *et al.,* 2010). Sodic alteration is syn- to post-magnesium alteration is, and is less pervasive and in some instances forms zones around veins (Hitzman *et al.,* 2010).

Sodic alteration is apparent in both the Zambian and Congolese Copperbelts. In the Congolese Copperbelt it is identified as a late alteration event associated with veins (albite-calcite-dolomite-chlorite-sulphide) that cross-cut the potassic and magnesium alteration phases (Hitzman, 2010). Sodic alteration is both pervasive and vein-filling, which distinguishes it from the previous alteration phases (Hitzman, 2010). Evidence of mineralisation and sodic alteration is evident in the RAT layers. Here the sodic alteration is directly proportional to the degree of sulphide mineralisation (Hitzman, 2010). Textural evidence indicates that the sulphides are paragenetically associated with the sodic (albite) alteration phase (Hitzman, 2010).

These observations suggest that mineralisation occurred from early diagenesis until mid-late sodic alteration, although the amount of mineralisation that is associated with individual alteration phases is difficult to determine (Hitzman, 2010). It is suggested though, that the majority of the mineralisation did in fact occur during the magnesium alteration phase (Hitzman, 2010).

Determination of mineralisation and other contributing factors in this study

In order to determine the mineralisation and potential alteration phases associated with the Kinsevere and Ruashi deposits, samples related to specific structural features were selected and logged. This was done to increase the possibility of identifying how different features affect mineralisation, as well as to determine their paragenetic sequence. Unfortunately drill core samples from the Ruashi mine were unavailable, however the transition and sulphide zones are exposed to some degree in Ruashi pit 1. This fortuitous circumstance allowed for surface samples to be taken and contrasted against the Kinsevere core samples.

The samples have been selected according to the following criteria:

1. Vein relationship: The different vein relationships provide a clear representation of paragenesis, constraining specific veins to their respective times as determined by cross-cutting relationships.

2. Zonation: Timing of sulphide emplacement can be determined by characteristics such as rimming, where the primary sulphide is surrounded by a secondary sulphide phase.
3. Structural control: The structural features such as boudinage, faulting and folding can identify deformation- related mineralisation, confining it to a specific period.

In addition to macroscopic analysis, petrographic studies were undertaken to determine the small scale features, alteration, and remobilisation of sulphides to further identify and validate observations.

Petrographic descriptions of fresh samples from Kinsevere Central pit and Ruashi pit 1

Sample location for Kinsevere Central pit

Core logs of selected holes were made in order to identify the characteristics of the Mines Series with depth (Appendix C), as well as to confirm the approximate level at which the hypogene and supergene mineralisation occurred. The holes were selected based on their relative position to the main mineralised zones and proximity to the ore shales in order to illustrate spatial variations (Fig. 5.4).

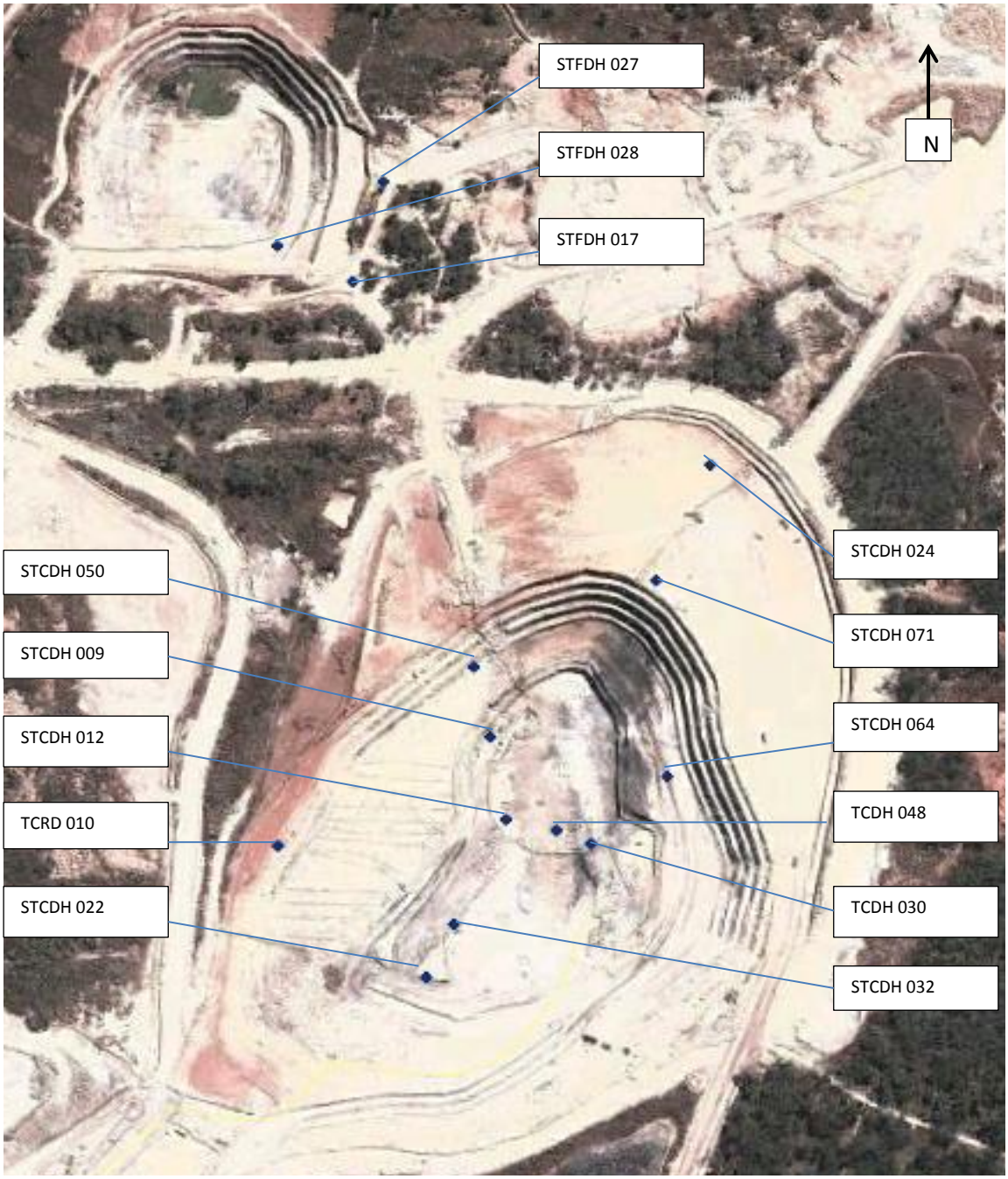


Figure 5.4: Layout of the selected drill holes relative to the Central and Mashi pits. The location of the drill holes was selected based on their position relative to the bedding planes and the pit.

Location of the sulphide facies in Ruashi pit 1

The DStrat, RSF, RSC and a small portion of the SD is exposed in the sulphide facies from Ruashi pit 1. The exposure of the RSF and RSC in Ruashi provides vital information on how these units are preserved and mineralised since they are absent in Kinsevere Central pit. The exposed sulphide facies from Ruashi pit 1 is only exposed as a small portion of the pit in the north-west (Fig. 5.5). The deeper south-eastern portion of the pit does not intersect the sulphide facies, but instead remains in the oxide facies.



Figure 5.5: The position of the exposed transition zone and sulphide facies within the Ruashi mine. Exposure implies that a fault or joint has prevented meteoric water from oxidation and therefore preserving the sulphide facies closer to surface.

Kinsevere Central pit and Ruashi pit 1 petrography

Fresh sample petrographic descriptions

The Mines Series is primarily composed of arkoses, siltstones and carbonates. These rock types are the result of initial continental clastic infill into a rift basin followed by shallow, immature marine chemical precipitates (Hitzman *et al.,* 2010; Cailteux *et al.,* 2005). Figure 5.6 illustrates fresh samples of the respective units found within the two pits as well as the mineralisation associated with them.

From hand samples the RAT is a talc-rich argillite, which has undergone a significant degree of oxidation and brecciation in both Kinsevere Central pit and Ruashi pit 1. The RAT is poorly mineralised, but strongly oxidised and haematised, often exhibiting potassic alteration and sericitisation (Fig. 5.6 A).

The DStrat unit is a dolomitic shale that conformably overlies the RAT in both pits. The DStrat is a highly silicified, well mineralised unit with both disseminated and vein-hosted carrollite and chalcopyrite (Fig. 5.6 B). The DStrat unit is commonly intruded by quartz veins mineralised with sparse, fine-grained chalcopyrite and carrollite (Fig. 5.6 C). The DStrat from Ruashi hosts disseminated and vein-hosted carrollite and chalcopyrite, which is coarser-grained than the equivalent mineralisation in Kinsevere Central pit (Fig. 5.6 D).

The RSF and RSC are highly silicified with moderate chalcopyrite and carrollite mineralisation in both disseminated and vein hosted styles. The RSF and RSC are absent in the Kinsevere Central pit due to a proposed change in sedimentary environment, discussed in chapter 2. Observations for these units are therefore based on analysis from Ruashi pit 1. The RSF is commonly intruded by mineralised veins that are parallel and perpendicular to bedding (Fig. 5.6 E) The RSC is predominantly mineralised with sparsely distributed, disseminated chalcopyrite and carrollite (Fig. 5.6 F). It is not uncommon to identify lenses of coarse-grained calcite in the RSC which are unmineralised (Fig. 5.6 F).

The SD units most distinguishable characteristic is the black carbonaceous shale lenses that contain a high proportion of organic carbon (Fig. 5.6 G). This black carbonaceous shale associated with the SD is commonly mineralised with pyrite and chalcopyrite, representing the upper orebody of the Mines Series (Fig. 5.6 H). The SD is weakly mineralised with disseminated carrollite and rarely with vein-hosted carrollite. Oxide facies mineralisation in the SD is composed of malachite, chrysocolla and minor heterogenite. There is a significantly large amount of quartz veining within the unit with malachite in the veins.



Figure 5.6: Lithological specimens from Kinsevere and Ruashi. A) RAT from Kinsevere is a matrix-supported heterolithic breccia with an assortment of clasts from the overlying units of the Mines Series. The RAT is poorly mineralised with no visible mineralisation. B) Chicken-wire texture, indicative of evaporite-bearing horizons in the DStrat unit from Kinsevere, sample TCDH 030 - 107. C) Silicified intersection of DStrat with fine-grained chalcopyrite and carrollite from Ruashi. D) Mineralised DStrat from Ruashi with both disseminated and vein-hosted carrollite, sample Ru 6. E) RSF from Ruashi illustrating two primary orientations of the mineralised veins relative to the bedding planes from Ruashi sulphide facies. F) Massive dolomite illustrating the RSC and the regrowth of calcite in lenses that are sparsely mineralised with disseminated chalcopyrite from the Ruashi sulphide facies. G) Disseminated pyrite in the SD from the sulphide facies, note the black colour in the sulphide facies compared to the beige colour from the oxide facies in Ruashi from sample Ru 3. H) SD from Kinsevere with finely disseminated chalcopyrite grading into a thick carrollite intersection that is parallel to the bedding plane, sample STCDH 024 - 080. I) and J) represent the highly oxidised and haematised CMN from Kinsevere with malachite and minor azurite mineralisation, samples STCDH 022- 080.5 and STCDH 024 – 098 respectively.

The CMN represents the upper contact between the Mines Series and Dipeta Subgroup acting as the upper limit to which mining classically takes place. The most noticeable features of the CMN is its highly oxidised friable, carbonaceous composition (Fig. 5.6 I and Fig. 5.6 J). Although the CMN has visible chalcopyrite and pyrite mineralisation in some instances the majority of sulphides have been weathered out as shown by the surficial pitted textures observed. The degree of oxidation in the CMN unit far exceeds that of any of the surrounding lithologies.

Thin section analysis of the constituents from fresh lithologies that host mineralisation

The thin sections from Kinsevere Central pit and Ruashi pit 1 are largely similar where they are characterised by carbonaceous, dolomitic and arkosic sedimentary rocks from the Mines Series. Figure 5.7 illustrates the composition of the main copper-cobalt bearing lithologies.

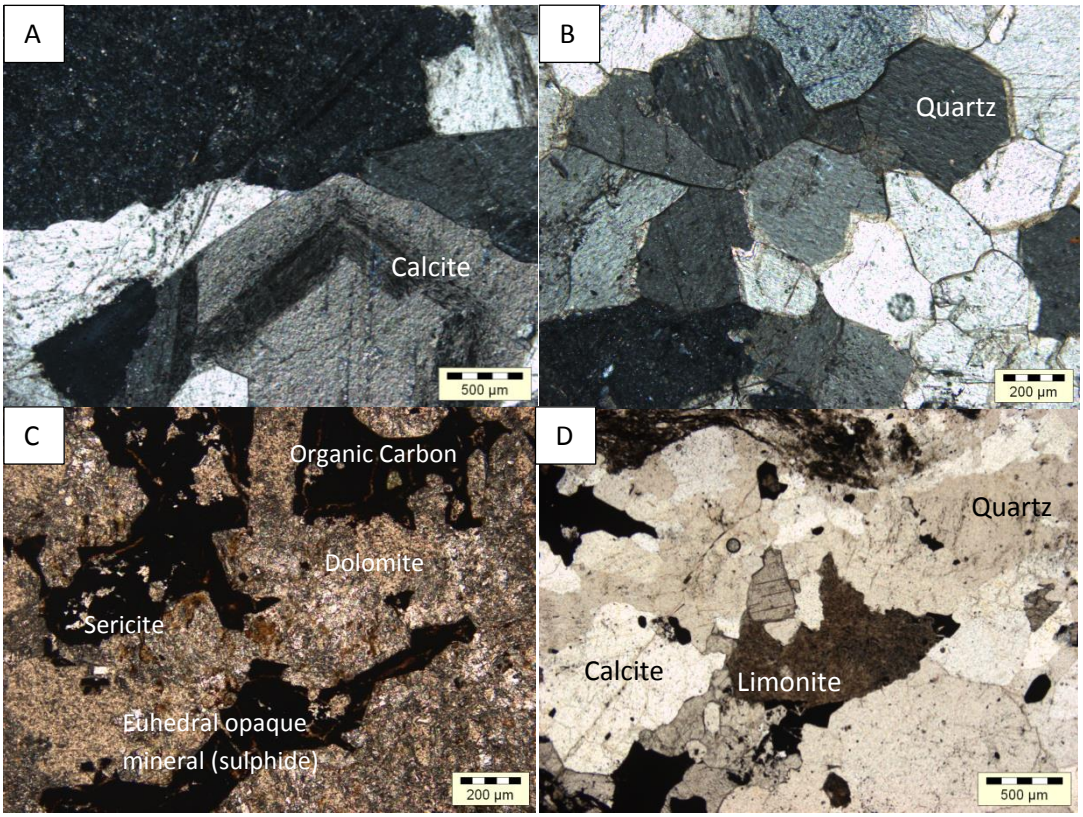


Figure 5.7: Typical mineralogy associated with the metasediments of the Katangan Basin. A) DStrat in Kinsevere Central pit with zoned calcite from sample STCDH 009-74. B) RSC from Ruashi illustrating quartz grains with authigenic quartz rims in sample Ru 7. C) SD from Kinsevere with sericite, organic carbon and dolomite with minor mineralisation in sample STCDH 009 - 75. D) SD from Kinsevere where quartz and calcite are present with interstitial hydroxides (limonite) in sample STCDH 012 -180.

The RAT footwall arkose is composed of quartz and beige clay that has been altered to talc. The RAT poorly preserves bedding planes and is often brecciated with talc-rich material making up the matrix of the breccia. No visible mineralisation is identified in the RAT.

The DStrat and RSF are thinly laminated dolomites that are predominantly composed of calcite and dolomite with minor silicification (Fig. 5.7 A). The matrix of the RSC is closely similar to the RSF, however the RSC is composed of fine-grained dolomite and quartz giving it a massive texture. The RSC is altered in parts with calcite lenses that have recrystallised from dolomite. The quartz grains often exhibit a recrystallisation of authigenic quartz around the rims of individual grains (Fig. 5.7 B). The laminated carbonaceous shale of the SD has a high degree of disseminated sulphide mineralisation associated with it (Fig. 5.7 C). Thin sections of SD are often opaque due to the high organic carbon content. The dominant constituents in the SD dolomitic shale are quartz and fine-grained dolomite (Fig. 5.7 D). The CMN is pervasively haematised and representative of a quartz bearing dolomite, with poorly preserved bedding planes.

From observing the distribution between oxide/carbonate and sulphide copper-cobalt mineralisation with depth, it is possible to predict the relative level of the transition zone between the oxide and the sulphide facies.

Oxide and sulphide facies for Kinsevere Central pit and Ruashi pit1

From fresh sample analysis it is possible to estimate the approximate level at which the oxide facies transitions into the sulphide facies below. The oxide facies is a distinct surficial horizon which extends 80 - 100 m below the surface exhibiting visible oxidation of sulphides, predominantly of chalcopyrite and pyrite, into haematite and malachite. The sulphides have intense red staining around them in the oxide facies due to this haematisation and oxidation. The conversion of copper and cobalt sulphides to malachite and heterogenite respectively, is limited to the oxide facies only (Fig. 5.8).

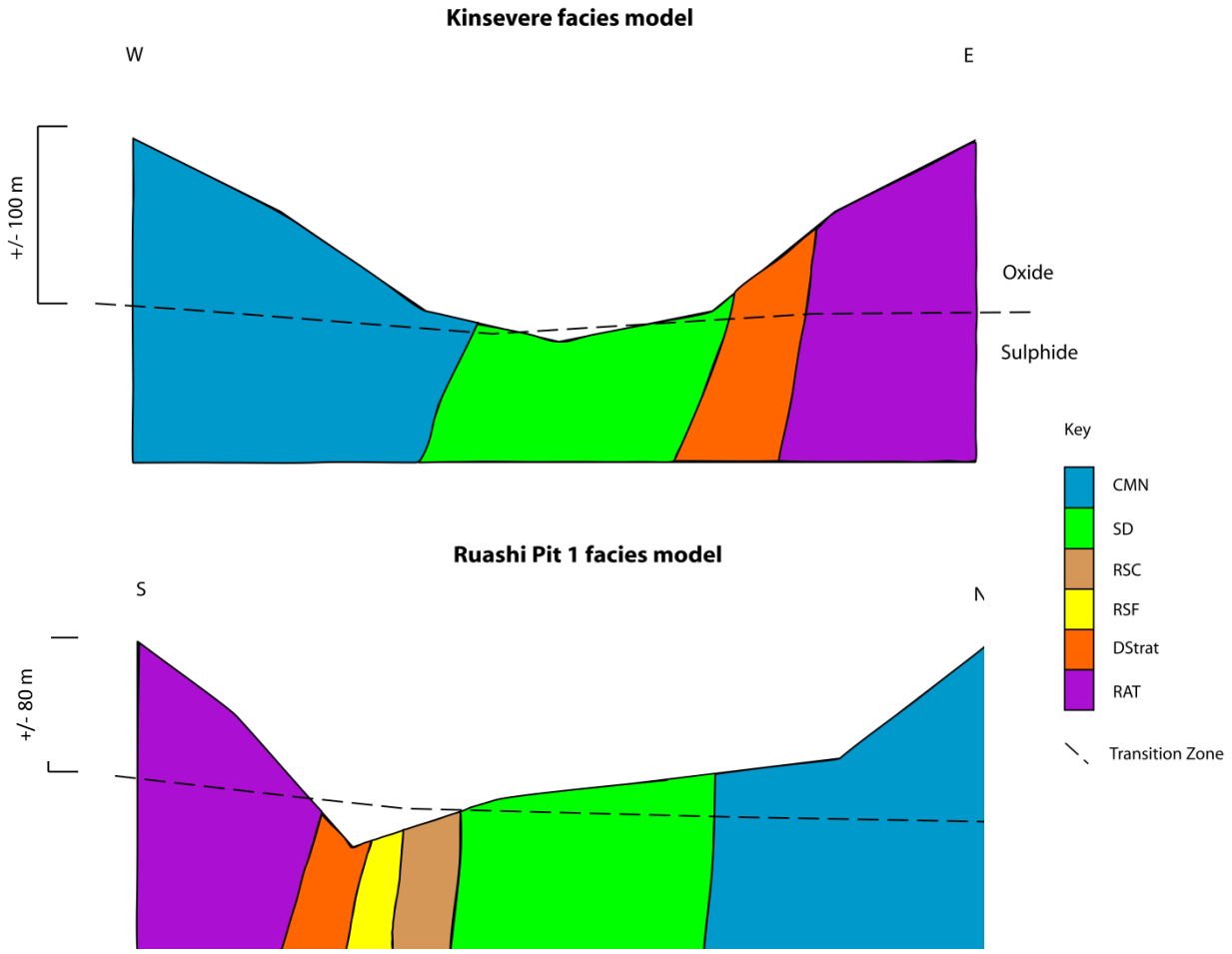


Figure 5.8: Hypothetical cross-section of the Kinsevere and Ruashi deposits with their respective oxide facies and resultant sulphide depths. The transition zone broadly marks the depth to which meteoric water has permeated down. The Kinsevere deposit is predicted to intersect the sulphide facies at approximately 100 m. The Ruashi deposit is predicted to intersect the sulphide facies at 80 m, however the Ruashi deposit does not have a continuous sulphide facies identified from pit mapping.

Mineralisation

Mineralisation in the sulphide and oxide facies

The sulphide facies commonly hosts chalcopyrite, carrollite, chalcocite, bornite and minor covellite, whereas the oxide facies hosts copper carbonates and oxides as malachite, azurite, chrysocolla and minor heterogenite.

Both Kinsevere Central pit and Ruashi pit 1 mines are exploiting the surficial oxide facies at present. In Ruashi pit 1 the lower orebody within the DStrat, RSF and RSC occurs in the sulphide facies whereas the upper orebody in the SD and CMN is in the oxide facies. Between these two facies there is a transition zone that parallels the meteoric water line. The transition zone between the carbonate/oxide facies to the sulphide facies has been exposed approximately 80 m below surface.

This transitional zone has affected the DStrat, RSF and RSC units in Ruashi pit 1. The transition zone is characterised by an increase in the organic carbon content within the respective units.

From the core, Kinsevere similarly marks the transition zone with an increase in organic carbon content at a depth of approximately 100 m. However in Kinsevere Central pit the transition zone is only found in the DStrat and SD units. There is a significantly large amount of quartz veining within the SD unit with malachite occurring in the veins. The mineralised veining that is present is both perpendicular and parallel to the bedding. Furthermore the veins are both unmineralised and mineralised, with highly oxidised primary sulphides, oxides and carbonates.

Mineralisation in the Kinsevere and Ruashi deposits occurs as chalcopyrite, carrollite, pyrite, minor bornite or chalcocite. There are two main styles of mineralisation observed in both pits, disseminated and vein hosted. Both mineralisation styles have more than one phase of mineralisation. Figure 5.9 illustrates the different mineralisation styles and ore minerals present in the Kinsevere and Ruashi deposits.

Disseminated mineralisation

Chalcopyrite, carrollite, pyrite and minor primary bornite are observed as disseminated ores. The disseminated carrollite is only found in the lower DStrat, RSF and RSC stratigraphic units. It tends to be relatively coarse-grained ranging from 0.2-1 cm in size (Fig. 5.9 A). This disseminated carrollite is altered to heterogenite, malachite and chrysocolla (Fig. 5.9 B). The disseminated chalcopyrite forms much smaller grains, than carrollite, with sizes varying between 0.01-0.1 cm in the RSC (Fig. 5.9 C). The disseminated sulphides in the dolomitic shales of the SD unit, often composed of chalcopyrite, are oriented parallel to the bedding planes and can produce a near-massive ore texture, where accumulations of chalcopyrite, become significantly thick.

The disseminated carrollite is observed to have formed slightly before or cogenetically to the disseminated chalcopyrite. The disseminated mineralisation indicates no unique controlling factor. Chalcopyrite is far more abundant than carrollite and can be found in all mineralised zones, albeit in varying amounts. Evaporitic nodules found in many intersections of DStrat RSF and SD are often rimmed by secondary chalcopyrite and pyrite (Fig. 5.9 D). Carrollite is rarely deposited in pyrite-bearing intersections indicating a possible inverse relationship between the two.

Vein mineralisation

There are two dominant vein orientations that may be parallel or perpendicular to bedding, that cross-cut all lithological horizons.

The bedding-parallel veins create long continuous mineralised layers within the strata. The veins are composed of varying proportions of quartz and calcite that commonly host chalcopyrite and carrollite. The average thickness of the bedding-parallel veins ranges between 0.3 - 4 cm, exhibiting minimal alteration. The perpendicularly oriented quartz-calcite veins cross-cut the bedding at right angles and are often mineralised with carrollite rimmed by chalcopyrite (Fig. 5.9 E). The perpendicular veins are mineralised with a variety of sulphides such as chalcopyrite, carrollite, bornite and chalcocite. Perpendicularly-oriented veins are generally observed cross-cutting the bedding-parallel veins confining their development to later than the bedding parallel veins (Fig. 5.9 F).

A distinct difference in the types of sulphides with depth is observed; the lower dolomitic units are mineralised with carrollite and chalcopyrite, whilst the upper SD and CMN units are mineralised with chalcopyrite and pyrite.

The majority of the perpendicular veins have undergone more than one phase of mineralisation, as illustrated by multiple fluid influxes along single vein conduits (Fig. 5.9 G). This multiphase mineralisation often results in the primary sulphides being rimmed by a later phase of sulphides. Mineralised veins in the oxide facies often host malachite in place of copper sulphides due to alteration (Fig. 5.9 H).

Based on the initial macroscopic observations of the mineralisation the paragenetic sequence is determined to be:

- An initial stratiform chalcopyrite and carrollite deposition.
- Carrollite in the vein set that is parallel to bedding.
- Chalcopyrite in the vein set that is parallel to bedding.
- A final stage of chalcopyrite, bornite and chalcocite in the perpendicularly oriented veins.

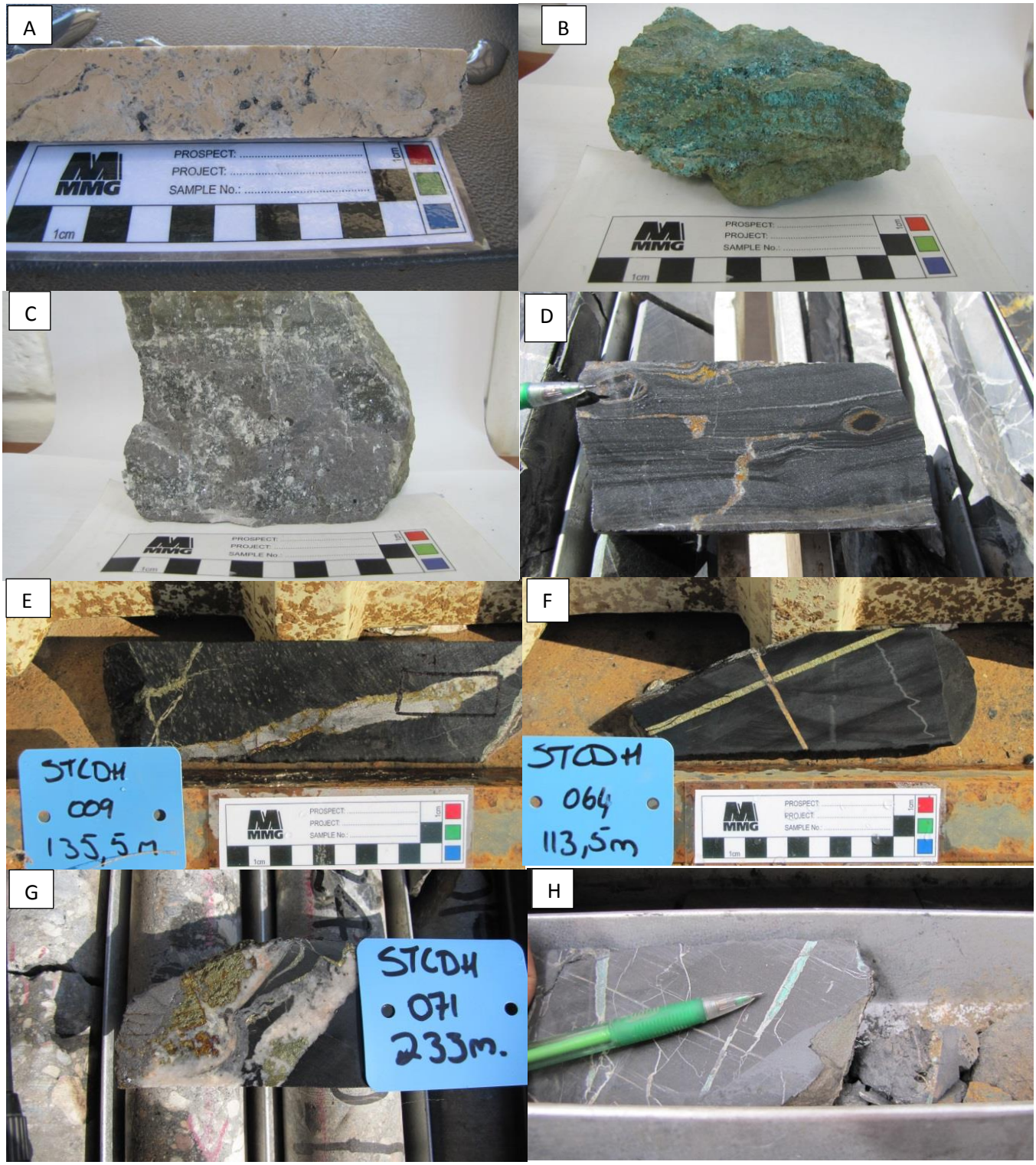


Figure 5.9: Typical mineralisation from Kinsevere Central pit and Ruashi pit 1. A) Disseminated and vein-hosted carrollite in DStrat from Kinsevere, sample TCRD 010-305.5. B) Malachite and chrysocolla from the oxide facies in Ruashi DStrat. C) Coarse-grained, sparsely disseminated carrollite in DStrat from Ruashi, Ru 7. D) Evaporitic nodule rimmed by chalcopyrite in SD from Kinsevere Central pit, sample TCRD 010-289. E) Disseminated chalcopyrite cross-cut by a carrollite vein that has then been mineralised with a later chalcopyrite phase rimming the carrollite from Kinsevere Central pit, sample STCDH 009-135.5. F) SD from Kinsevere Central pit illustrating cross-cutting relationship between perpendicular and parallel veins, where the perpendicular vein is younger than the bedding parallel vein, sample STCDH 009-113.5. G) Multiphase mineralisation in the perpendicular vein from Kinsevere Central pit, sample STCDH 071-233.) H) Malachite in SD from Kinsevere Central pit, that altered from primary sulphides due to oxidation, sample STCDH 071 - 250.

Alteration in the pit samples

Macroscopic alteration

A strong indicator for alteration in the Mines Series is colour and the rimming of primary minerals by alteration minerals. Several types of alteration have been identified in Kinsevere and Ruashi pits. Alteration in Kinsevere Central pit and Ruashi pit 1 are illustrated in Figure 5.10.

The replacement of primary carbonate by silica that has pervasively silicified the host rock is known as silicification. Silicification is not preferentially concentrated in a specific zone or horizon in the pits but is more common in the DStrat, RSF and RSC. These units have been silicified to the point that the units are characteristically hard and weather resistant. Silicification is believed to have occurred relatively early in the alteration paragenesis due to the fact that it is overprinted by the potassic alteration, which is locally known to have been derived early on (Hitzman *et al.,* 2010).

The growth of new potassium feldspar during potassic alteration is characterised by a reddish brown colour of the altered rocks. Potassic alteration is relatively pervasive and can be seen in varying intensities throughout the Mines Series in both deposits. However the most intense alteration occurs in the RAT. The RAT unit is strongly associated with oxidation and hydrothermal alteration (Fig. 5.10 A). Overprinting the potassic alteration is a combination of dolomitisation, chloritisation and talc alteration (Fig. 5.10 B).

The replacement of dolomitic host rocks by fine-grained recrystallised dolomite is termed dolomitisation. This is believed to be the equivalent of the alteration observed by Hitzman *et al.,* (2010). This process is predominantly confined to the dolomitic horizons where recrystallisation of dolomite is observed in the DStrat, RSF, RSC and SD units. Dolomitisation in the RSC is preserved as large, elongated lenses of coarse-grained calcite within fine-grained massive dolomite (Fig. 5.10 C). The SD commonly contains a significant proportion of recrystallised coarse-grained dolomitic crystals from fine-grained dolomite. This is indicated by the pervasive regrowth of calcite and dolomite crystals which creates a granular, sugary texture in the SD and CMN (Fig. 5.10 D). The calcite crystals are not constrained to bedding planes and represent a late phase alteration in the dolomite-bearing units. Closely associated with the dolomitisation is the simultaneous chloritisation of the rocks.

Chloritisation is prominent throughout the RAT, RSF, RSC and DStrat units. It is commonly observed as pale green, irregularly distributed patches in hand sample, where it has replaced dolomite and in some cases the potassium feldspar that resulted from potassic alteration. Similarly talc alteration is identified in the lower units of the Mines Series and is best preserved in the RAT, where talc

alteration is seen over-printing oxidised arkoses and argillites. Talc alteration in the clast supported RAT breccia is predominantly confined to the matrix.

A late-stage process that is not seen within the lithologies, but instead observed parallel to vein walls is albitisation. The formation of albite may be from the replacement of potassically altered veins. The quartz- calcite-bearing veins are often albite-bearing, where thick white replacement rims of albite line the vein walls and calcite grains (Fig. 5.10 E). Albitisation is predominantly found in veins perpendicularly oriented to bedding planes. The veins indicate poor constraints on the timing of alteration because they exhibit, potassic alteration, haematisation and albitisation simultaneously.

The most noticeable alteration is haematisation. Haematisation is characterised by reddening and has resulted from the oxidation of primary pyrite accompanied by an alteration of copper sulphides to malachite and cobalt sulphides to heterogenite resulting in an intense red staining around remnant sulphides (Fig. 5.10 F). It is relatively pervasive and can be identified throughout Kinsevere Central pit and Ruashi pit 1 accompanied by limonite staining, however, haematisation is best preserved in the CMN unit. All lithologies in the oxide facies have been haematised to some degree with a significant proportion of hydroxide precipitates also being deposited.

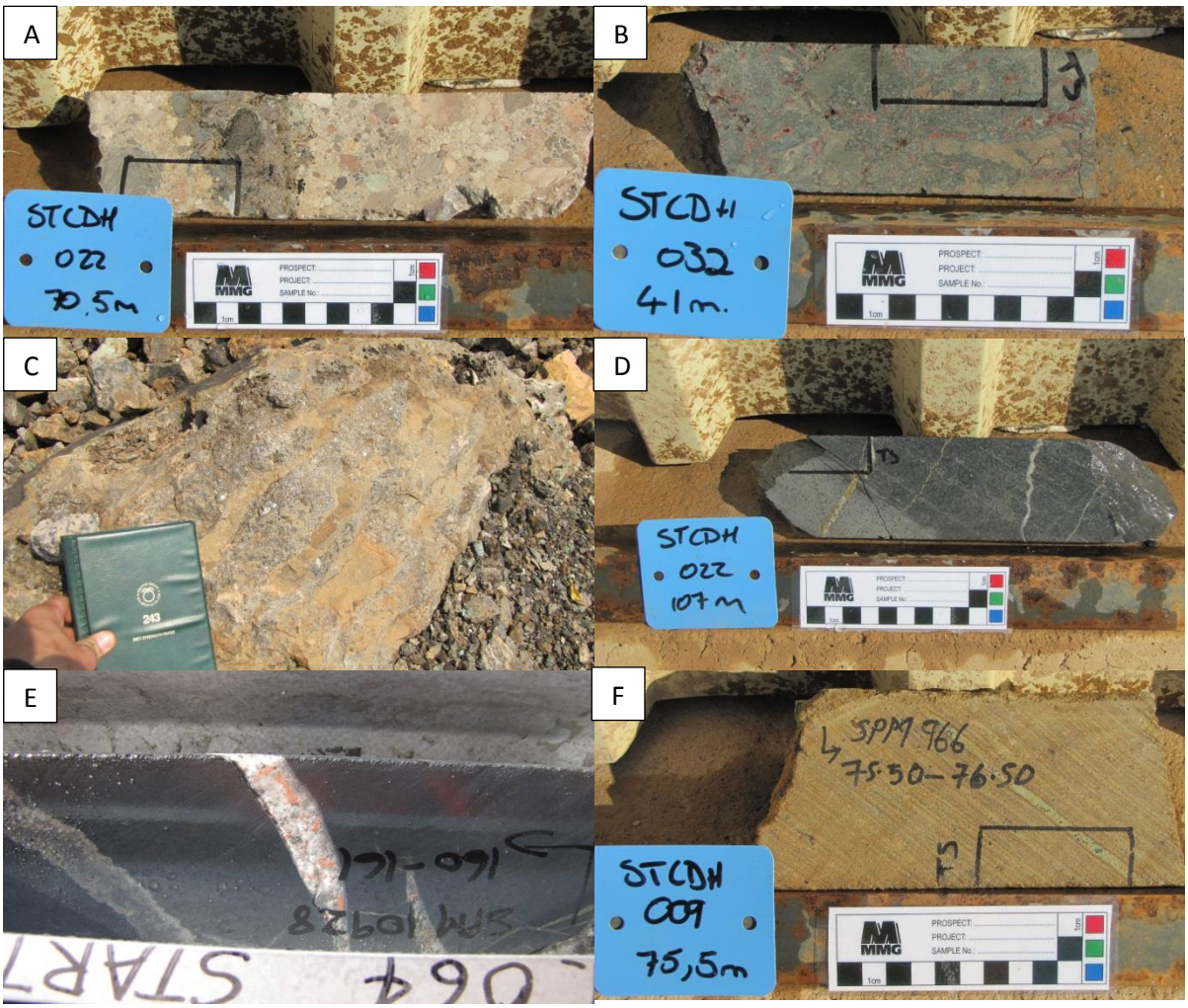


Figure 5.10 Typical alteration of facies from Kinsevere and Ruashi A) Potassically altered RAT from Kinsevere, sample STCDH 022-70.5. The heterolithic clasts are supported in a talc rich matrix. B) Strongly altered DStrat with a significant proportion of potassic alteration and haematisation, sample STCDH 022-41. C) Elongated lenses of recrystallised dolomite (dolomitisation) and calcite in RSC from Ruashi oxide facies. D) Recrystallised dolomite and calcite across bedding planes giving the SD a granular texture, representing a dolomitisation in sample STCDH 022-107, Kinsevere. E) Albitised quartz-calcite vein in SD from Kinsevere, sample STCDH 064-160. F) Strongly haematised and oxidised intersection of SD from Kinsevere. The sample illustrates the conversion of pre-existing iron-copper sulphides to haematite and malachite respectively. Sample STCDH 009-075.5.

Alteration can further be attributed to the facies in which the lithologies are associated. The oxide facies tends to be dominated by haematisation and limonite staining, regardless of the lithological unit, whereas the sulphide facies tends to more potassically altered.

The apparent paragenesis of the alteration sequence indicates that silicification was the initial alteration phase followed by potassic alteration and dolomitisation. The latter is closely succeeded by chloritisation and talc alteration. Late stage haematisation and albitisation represent the waning alteration phases in the pits. This is deduced by the formation of haematisation which results from late fluid circulation and oxidation of primary iron-bearing sulphides. Albitisation is associated with veins which are tectonically determined to be late stage features.

To further identify the alteration assemblages, microscopy was done on the samples from Kinsevere Central pit and Ruashi pit 1.

Alteration in thin sections

Selected hand samples have been thin-sectioned to examine the full range of alteration minerals associated with potassic alteration and haematisation, chloritisation, albitisation and talc alteration within the Kinsevere and Ruashi deposits. In thin section, these alteration phases are pervasive and often take up the entire field of view under the microscope at low magnification. The most noticeable characteristics from thin sections are the high degree of oxidation which has resulted in minerals being potassically altered and haematised. These alterations are shown in Figure 5.11.

The potassic alteration is characteristically identified by the fine-grained growth of potassium feldspar and reddish brown colour especially in the SD lithology (Fig. 5.11 A). Potassic alteration is found in the majority of the samples in conjunction with sericite. Sericite is identified by fine-grained growth of micaceous material from calcite-bearing albitised veins. Sericite has a characteristic light orange to pink-brown colour, appearing in a fibrous form with mottled extinction (Fig. 5.11 B). Interstitial hydroxides or oxidised limonite occur in addition to potassic alteration and haematisation (Fig. 5.11 C).

Epidote is sparsely distributed in the DStrat unit and is commonly associated with veins and sulphides (Fig. 5.11 D).

Chlorite rims around dolomite and calcite grains are common in rocks that have been chloritised (Fig. 5.11 E). Where the degree of chloritisation is very minor it can be recognised as a faint array of greens, blues and pinks in plane polarised light, that is intensified in polarised light. Chloritisation is prominent throughout the lower RSF, RSC and DStrat units.

Haematisation has resulted in the formation of an oxide facies which formed from the oxidation of sulphides in the near-surface environment (Fig. 5.11 F, Fig. 5.11 G). Haematisation is easily identified in thin sections by its deep red/maroon colour in both plane and polarised light. Haematisation can be found with secondary copper remobilisation such as malachite in veins (Fig. 5.11 H).

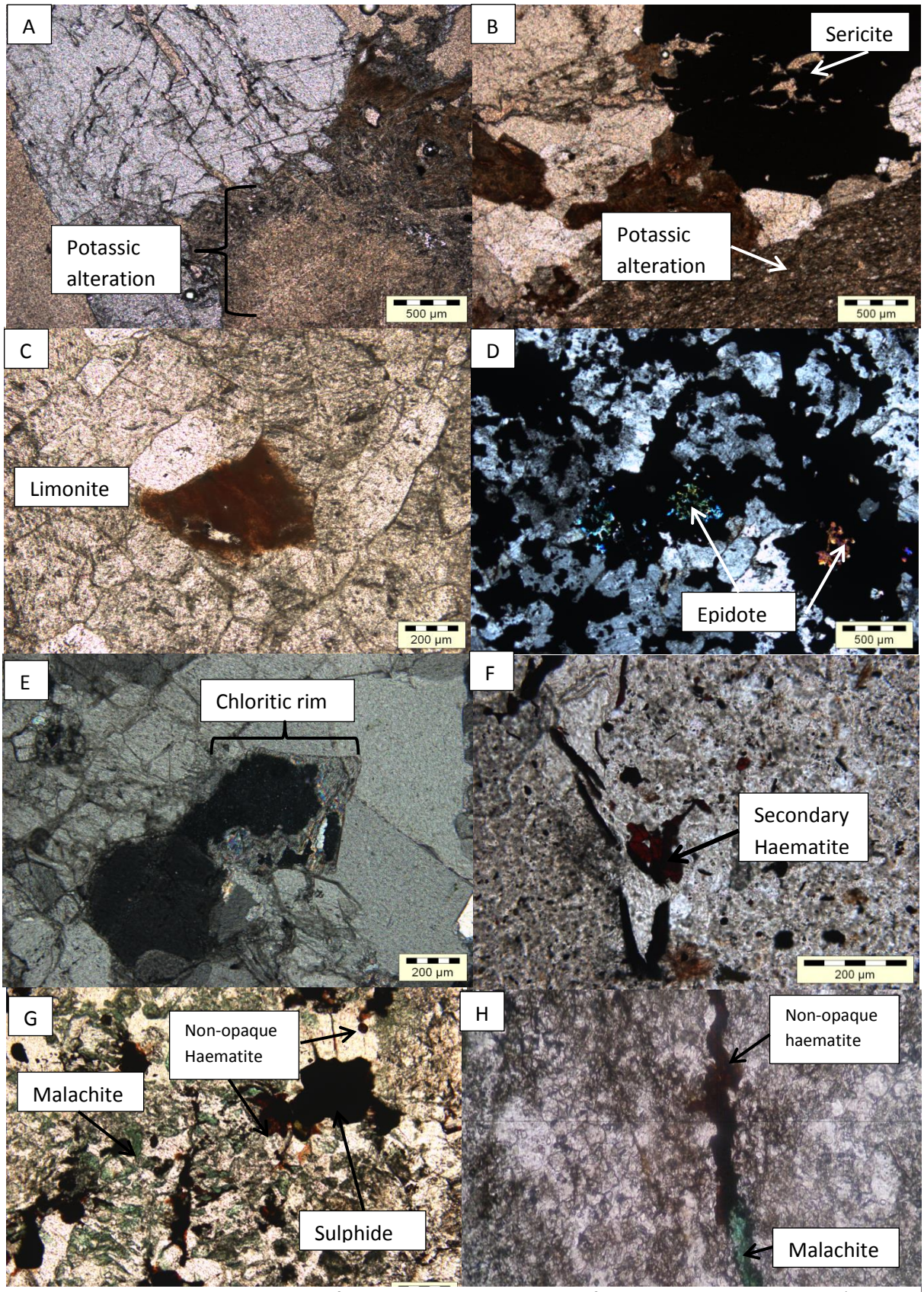


Figure 5.11: Common alteration minerals found in the Mines Series rocks from the Lubumbashi district. A) Potassic alteration of the dolomitic shale under crossed polars in the SD unit from Kinsevere, sample STCDH 024-311. B) Sericite and potassic alteration of the mineralised dolomitic shale from the SD unit in Kinsevere under crossed polars, sample STCDH 071-204. C) Limonite formed from the oxidation of haematite in the RAT unit from Kinsevere under plane polarised light, sample STCDH 009-145. D) Formation of epidote through hydrothermal alteration of thinly laminated dolomite in the DStrat from Kinsevere under crossed polars, sample STCDH 024-358. E) Chloritisation of dolomite from the DStrat in Kinsevere under plane polarised light, sample STCDH 012-149. F) Haematisation of oxidised sulphides from the SD unit in Kinsevere under plane polarised light, sample STCDH 022-070. G) Oxidisation of sulphide-bearing dolomitic shale from the SD that has resulted in malachite and haematite from Kinsevere under plane polarised light, sample STCDH 009-40.H) Vein-bearing malachite and haematite, illustrating the oxidised nature of the late-stage circulating fluids infilling cracks and spaces in the RSC, from Ruashi under plane polarised light, sample Ru 5.

In general the alteration in Kinsevere and Ruashi is largely similar in type and degree to the observations made by Hitzman (2010), and Selley *et al.,* (2010). However, in addition an alteration stage of scapolitisation has been identified from the thin section studies although no scapolite was seen in hand samples.

Scapolite is a tectosilicate mineral that occurs in strongly altered terrains from the alteration of evaporites (Teresa *et al.*, 1994). Scapolitisation is characterised by a white, creamy colour in hand specimen and by acicular crystals of variable size. It affects evaporite-bearing horizons and is easily weathered, resulting in the formation of micas, epidote, talc and kaolinite (Jackson *et al.*, 2003).

Scapolite is common in the DStrat, RSF and SD horizons, intimately related to evaporites and late sulphide mineralisation. Figure 5.12 illustrates the scapolite identified in the analysed samples.

In thin section, scapolite has a tabular to acicular form, is grey to beige in colour and varies in size from 100 µm to 5 mm (Fig. 5.12 A and Fig. 5.12 B). In crossed- polarised (XPL) light scapolite can either have a high second order birefringent blue-grey colour, or first order greys (colourless) (Fig. 5.12 F). Scapolite overprints all bedding planes and pre-existing features indicating that it is a late stage alteration phase (Fig. 5.12 C). It is often associated with chalcopyrite and pyrite in scapolitised evaporite-bearing horizons (Fig. 5.12 D). The evaporitic nodules are pervasive and seen cross-cutting bedding planes and grains in an unrestricted manner, emphasising a late stage of formation (Fig. 5.12 E).

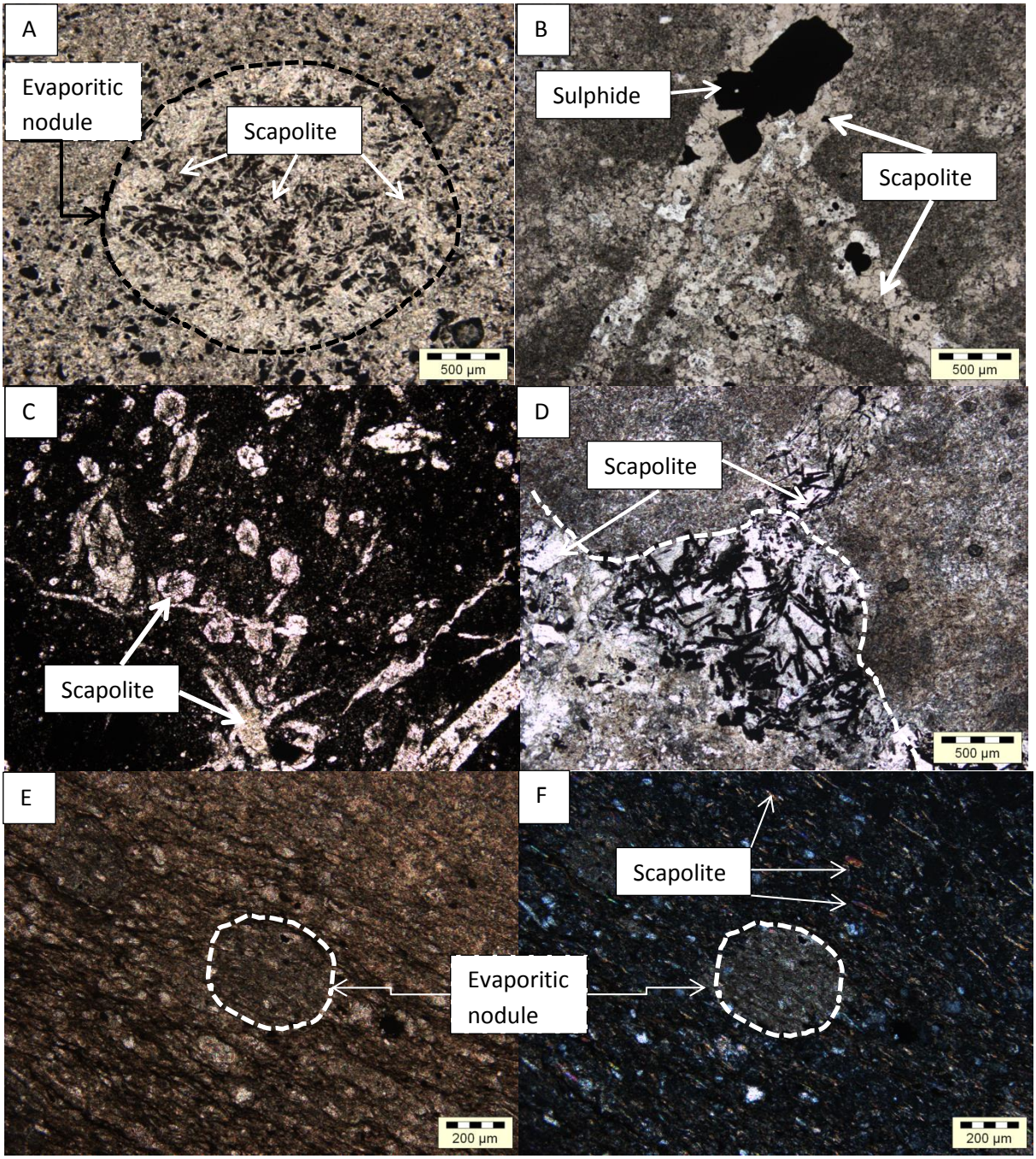


Figure 5.12: Scapolitisation from the Mines Series in Kinsevere Central pit and Ruashi pit 1. A) Scapolitised evaporitic nodule from the RSF in Ruashi, sample Ru 10 in plane polarised light. The scapolitisation has a characteristic white, creamy colour with a needle-like texture; opaque minerals are chalcopyrite and pyrite minerals. B) Large, late scapolite associated with a late phase of evaporitic-sulphide mineralisation from Ruashi, Ru 2. C) Section oriented such that the scapolite is observed down the long axis from the DStrat, illustrating an acicular shape, from Kinsevere, sample TCRD 010-305 in plane polarised light. D) Mineralisation and scapolitisation are commonly found together in evaporite-bearing horizon of the SD where the scapolite is often seen in the evaporite, from Kinsevere, sample STCDH 022-070. E) Evaporitic nodule in the SD unit from Kinsevere, with scapolite in the respective bedding planes, sample STCDH 071-204 in plane polarised light. F) The same evaporitic nodule as seen in E), but under crossed polars in sample STCDH 071-204.

Microstructural features from Kinsevere Central pit and Ruashi pit 1

Apart from the structural features identified in the pit, smaller structural fabrics are better preserved in core samples and these can be used to identify any small-scale structural controls on mineralisation.

Structural features in fresh samples

The majority of the drill cores are drilled sub-parallel to the bedding planes such that any lateral variations in mineralisation can be missed. However, some characteristics are pronounced enough to be identified as significant mineralogical controls. Figure 5.13 illustrates the influence structures such as folding, faulting, stylolites and boudinage have on mineralisation.

Within the samples it is common to see the influence of large and small-scale folding. The folds only deform the disseminated sulphides in bedding planes. The axial planar cleavage of folds are poorly mineralised and cannot be considered as a major mineralogical control, however there are instances where potential axial planar cleavages are exploited by cross-cutting veins (Fig. 5.13 A). Disseminated mineralisation is possibly pre-D1 deformation. The relationship between folds and veins further constrains the formation of veins to after folding.

The majority of the faults are not associated with remobilisation or concentration of sulphides. The remobilisation of oxides and or carbonates along fault planes does not necessarily prove that the faults remobilised fluids, but rather that the faults possibly acted as conduits along which late stage supergene alteration took place. There are however a small number of faults where preferential concentration and movement of mineralised fluids have been focussed along the fault structure (Fig. 5.13 B and Fig. 5.13 C). As seen in chapter 3, tension gashes have provided conduits for the flow of copper- and cobalt-laden fluids and are subsequently mineralised. Although rare, fault-related mineralisation does occur to a minor extent in the Kinsevere and Ruashi deposits. This links brittle deformation to minor mineralisation. The timing of the faults is related to late-D1/early-D2 deformation, as discussed in chapter 3.

From structural analysis in chapter 3, the vein systems are visually and stereographically projected to be parallel and perpendicular to bedding. The perpendicular veins are observed to have formed after the bedding-parallel veins based on their cross-cutting nature.

Boudinage is well preserved in the competent and thinly laminated strata of the Mines Series. The boudins are preserved in a bedding-parallel orientation and intersected by veins cross-cutting the structures at the neck points. This means that the veins are sub-perpendicularly oriented relative to the bedding planes. Boudinage is a common extension feature, but in compressional regimes it is not uncommon to find boudinage associated with the limbs of asymmetrical folds (Fig. 5.13 D).

Stylolites are formed by pressure dissolution and are common in dolomites and dolomitic shales. The stylolites are commonly associated with disseminated sulphide mineralisation, either as sparsely distributed blebs or continuous vein like features that mimic the shape and form of the stylolite (Fig. 5.13 E). The stylolites appear to have been preferentially focussed Cu- and Co-bearing fluids.

A common feature from the surface mapping of the Kinsevere and Ruashi deposits is the degree of brecciation in the RAT, DStrat and CMN. Typically brecciation is tectonically derived. The RAT breccias are generally unmineralised, however, the DStrat does host tectonically-derived mineralisation in its breccia (Fig. 5.13 F).

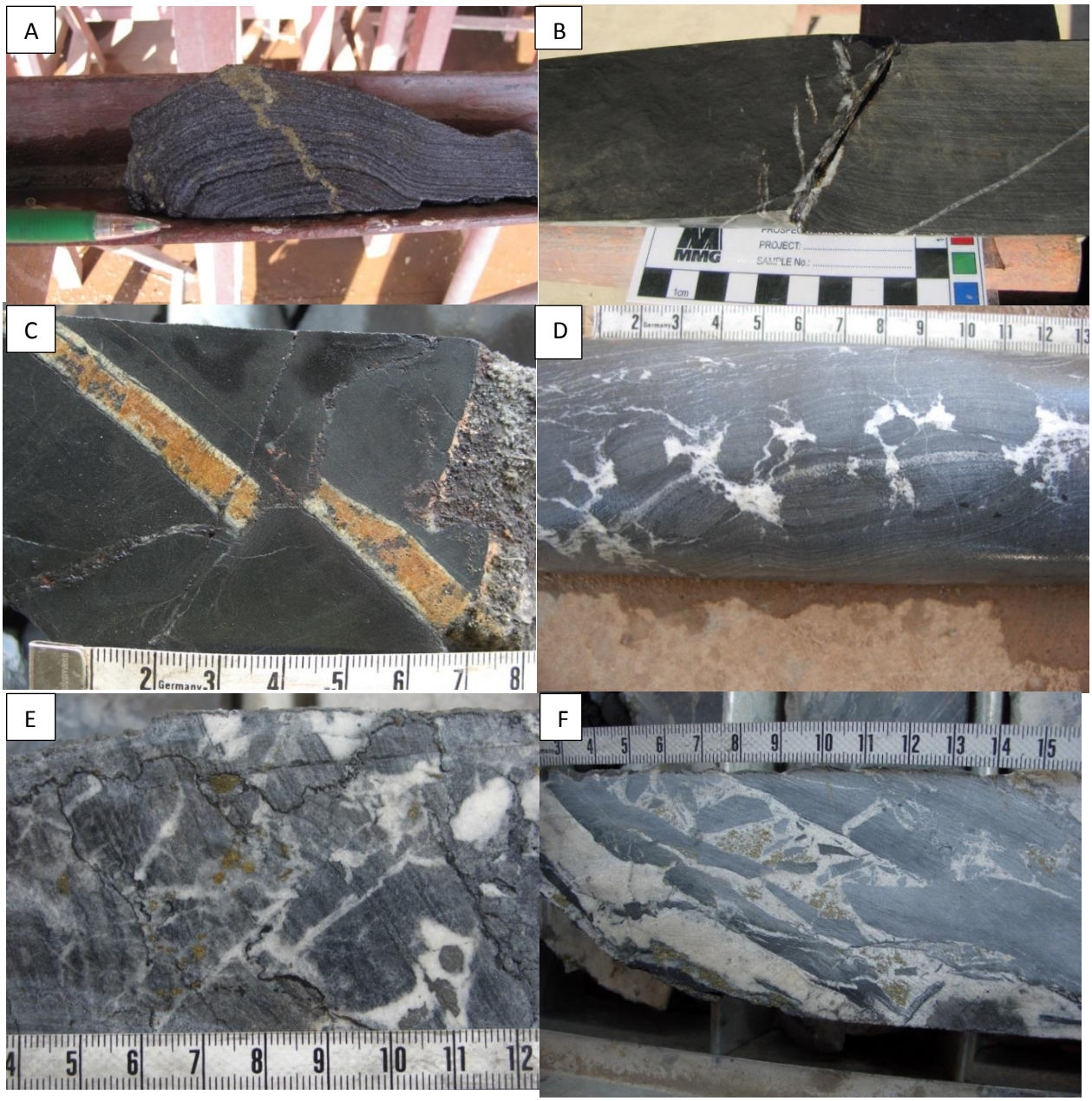


Figure 5.13: Structural features found in Kinsevere and Ruashi deposits. A) Fold hinge cross-cut by chalcopyrite vein in SD from Kinsevere, sample STFDH 028-205. The vein is not exploiting an axial planar cleavage and clearly postdates this local folding event. B) Chalcopyrite mineralisation associated with the formation of a fault and its tension gashes. The spaces created by the tension gashes are infilled with calcite and quartz as well as chalcopyrite in the SD from Kinsevere, sample TCRD 010-292. C) Bedding-parallel veins offset by late stage brittle deformation in the SD from Kinsevere, sample STCDH 022 -090. D) Boudinage with the respective necks exploited by quartz-calcite veins in the DStrat from Kinsevere. E) Stylolites controlling the distribution of mineralised fluids and acting as a conduit along which veins can penetrate STCDH 012-149.5. F) Tectonically brecciated Dstrat, infilled by carbonaceous material from Kinsevere, sample STCDH 012-130.

In order to determine the paragenetic sequence and micro-structural controls of mineralisation samples were studied in thin section and polished ore blocks.

Structural features in thin section

The highly deformed nature of the Lubumbashi district is clearly evident in both macro and micro samples. Figure 5.14 illustrates the majority of the structural features observed in thin section.

The folds from Kinsevere and Ruashi range in shape and size from similar folds, where the thickness of the limbs differs from that of the hinge (Fig. 5.14 A), to tight verging folds that have been preferentially oriented due to a non-homogeneous compressive stress (Fig. 5.14 B). The competency of the material had a significant role to play when determining how the folds behaved. The dolomitic shales of the SD unit tended to accommodate the space change by extrusion, forcing the more competent silicified layers to form tight folds (Fig. 5.14 B). From the thin sections, folding only affected the disseminated sulphides and not vein-hosted mineralisation.

Deformation in the Kinsevere and Ruashi deposits has resulted in a significant degree of folding and faulting, however, very few shear sense indicators are found in the respective pits. Furthermore the shear sense indicators preserve very little or no mineralisation, however, the shear sense indicators do provide useful timing relationships between mineralisation and deformation. Evidence for shearing is found in the thin sections where sigma-clasts indicate sinistral sense of shear (Fig. 5.14 C). The core clast at the centre of the sigma-shaped shear sense indicator is composed of calcite, whereas the pressure shadows are composed of potassically altered dolomitic shale (Fig. 5.14 C). The dolomitic shale has sheared, resulting in the syngenetic growth of calcite at the core of the clast. The calcite is euhedral and considerably less sheared than the dolomitic shale. The timing of the relevant shearing is difficult to constrain within the evolution of the pit, however a perpendicularly oriented vein cross-cutting the pre-existing strata is sheared in a similar fashion (Fig. 5.14 D). The cross-cutting vein is cogenetic to a bedding-parallel vein in the same sample, which is itself sinistrally sheared (Fig. 5.14 D). Folding within the deposits is highly variable with fold types ranging from parallel, similar, verging folds to asymmetrical and doubly plunging. Additionally to these fold types, poorly developed kink bands are also identified in thin section (Fig. 5.14 E). Kink bands indicate slipping where the associated minerals have been aligned to a particular strain field defined by the direction of slip and folded accordingly. The kink bands in thin section are intersected by a fracture in the hinge of the folds. The fracture is possibly exploiting an axial planar weakness in the folds allowing it to form a relatively straight line (Fig. 5.14 E).

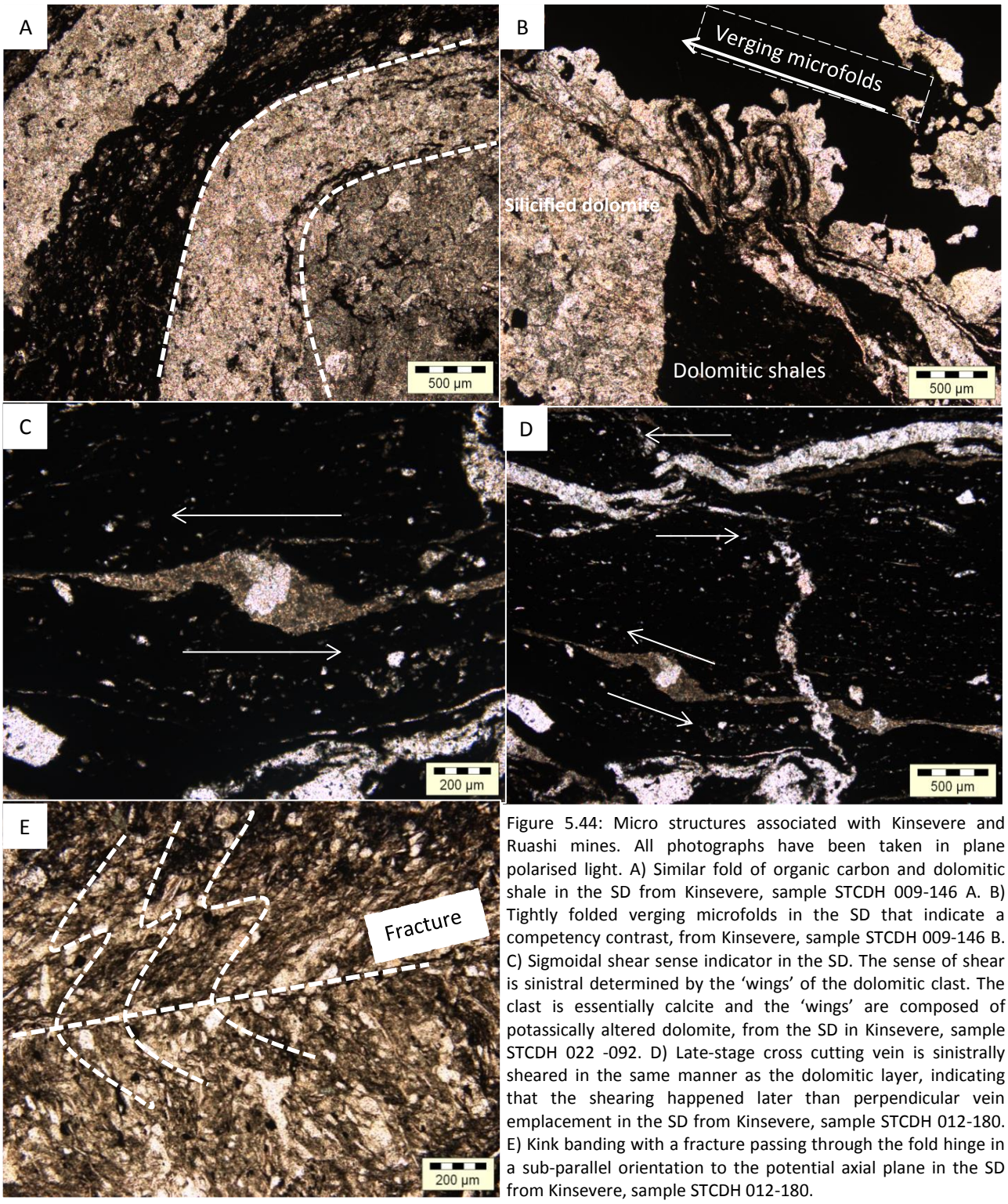


Figure 5.44: Micro structures associated with Kinsevere and Ruashi mines. All photographs have been taken in plane polarised light. A) Similar fold of organic carbon and dolomitic shale in the SD from Kinsevere, sample STCDH 009-146 A. B) Tightly folded verging microfolds in the SD that indicate a competency contrast, from Kinsevere, sample STCDH 009-146 B. C) Sigmoidal shear sense indicator in the SD. The sense of shear is sinistral determined by the 'wings' of the dolomitic clast. The clast is essentially calcite and the 'wings' are composed of potassically altered dolomite, from the SD in Kinsevere, sample STCDH 022 -092. D) Late-stage cross cutting vein is sinistrally sheared in the same manner as the dolomitic layer, indicating that the shearing happened later than perpendicular vein emplacement in the SD from Kinsevere, sample STCDH 012-180. E) Kink banding with a fracture passing through the fold hinge in a sub-parallel orientation to the potential axial plane in the SD from Kinsevere, sample STCDH 012-180.

Ore petrology for Kinsevere Central pit and Ruashi pit 1

Sample selection for ore petrology was confined to well mineralised intersections which show relationships between bedding, mineralisation and vein formation (Appendix E). Figure 5.15 illustrates the different sulphide mineralisation phases, which have enabled a paragenetic sequence of the ores to be determined for the two deposits.

The ore blocks from the samples have the following minerals (listed in order of abundance):

1. Chalcopyrite
2. Carrollite
3. Chalcocite
4. Pyrite
5. Bornite
6. Covellite
7. Digenite

Chalcopyrite occurs in both orebodies. It is preserved as several generations, an early disseminated phase and later vein-hosted phase, with a possible third generation associated with scapolite. The disseminated chalcopyrite is the primary mineralisation event in the system. Chalcopyrite is found in both the lower and upper orebodies as a fine-grained, moderately well distributed sulphide. The bedding-parallel veins are predominantly composed of chalcopyrite. The perpendicular veins are composed of carrollite which is rimmed by a late-stage chalcopyrite (Fig. 5.15 A). Vein-hosted chalcopyrite is a multiphase process where veins commonly exhibit different generations of mineralisation in Kinsevere and Ruashi (Fig. 5.15 B).

Carrollite, the primary cobalt-bearing sulphide, is almost exclusively responsible for the occurrence of cobalt in the Congolese Copperbelt. Carrollite tends to be located in the stratigraphically lower units based on the absence of carrollite in the SD and CMN, which represent the upper orebody. Like chalcopyrite, carrollite is present in both disseminated and vein-hosted mineralisation styles. Unlike chalcopyrite, it is not commonly associated with bedding-parallel veins or with scapolitisation. Carrollite is relatively immobile and less widely distributed than chalcopyrite. Disseminated carrollite is primarily preserved in the DStrat, RSF and RSC units with rare occurrences in the SD facies. The disseminated carrollite tends to be coarse-grained with individual grains reaching 0.2-0.5 cm in size. Vein-hosted carrollite is common in the perpendicular veins in conjunction with quartz and calcite, where it is continuously rimmed by chalcopyrite (Fig. 5.15 A). This indicates that the chalcopyrite is

later than the carrollite in the veins, as well as indicating that the veins are multiphase conduits for mineralising fluid flow.

A significant proportion of chalcocite is found in the samples as a late stage blebby/disseminated sulphide. Characteristically grey in colour, and commonly associated with remobilised chalcopyrite, chalcocite makes up a significant proportion of the disseminated sulphides that are not clear in hand sample. Chalcocite is commonly found rimming chalcopyrite and carrollite in many veins and disseminated occurrences (Fig. 5.15 C). Intersections of coarse-grained chalcocite are uncommon in the Kinsevere Central pit and Ruashi pit 1.

The majority of the secondary minerals of copper and cobalt-bearing sulphides in this suite of rocks are chalcocite, bornite, covellite and digenite. Alteration mineralisation is restricted to veins where cracks and irregularities in the chalcopyrite and carrollite are altered and rimmed by bornite, covellite and digenite. The majority of the alteration takes place in the perpendicular veins where the carrollite is rimmed by chalcopyrite and finally altered and rimmed by bornite, covellite and digenite (Fig. 5.15 D). It must be noted that bornite is not always associated with alteration.

Another mineralisation phase is characterised by an association of chalcopyrite and pyrite in scapolitised zones (Fig. 5.15 E and Fig. 5.15 F). Pyrite is a phase of sulphide formation that is predominantly confined to the upper portion of the sulphide facies and commonly found in the SD and CMN lithologies as rims around evaporitic nodules. The sulphides often infill the evaporites and/or rim the nodule (Fig. 5.15 F).

The samples from both the Kinsevere Central pit and Ruashi pit 1 host significant intersections of copper- and cobalt-bearing sulphides. The majority of the bedding-parallel veins are chalcopyrite-bearing, with minimal to no bornite and chalcocite alteration apparent. The later perpendicular veins tend to be more differentiated and diverse in terms of mineralisation than the bedding-parallel veins. Exceptions to this trend may be a result of late stage veins intruding through a section where they are entrained along a bedding plane giving them a bedding plane orientation. Disseminated sulphides can be so abundant that they appear to have a massive texture that looks like a bedding-parallel vein. Bedding-parallel veins have very little quartz and calcite, but are rather composed of chalcopyrite and pyrite.

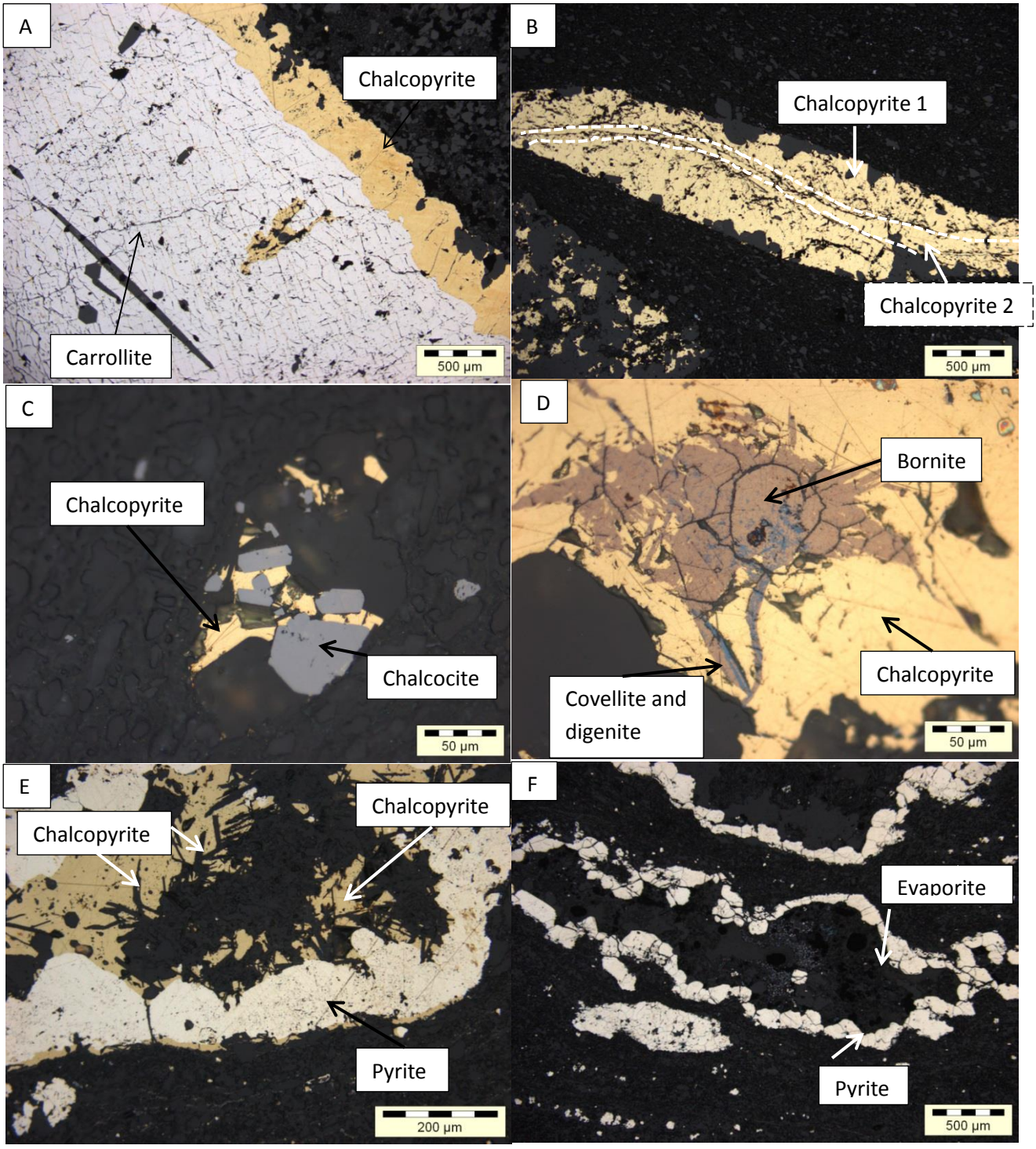


Figure 5.15: Copper and cobalt sulphides from the Kinsevere Central pit and Ruashi pit 1. A) Vein hosted carrollite rimmed by chalcopyrite in SD from Kinsevere, sample STCDH 009-138.7. B) Multiphase mineralisation of chalcopyrite in the same vein from the SD in Kinsevere, sample STCDH 009-138.5 A. C) Cogenetic chalcopyrite and chalcocite mineralisation in a single grain. The sulphides are confined to the grain boundary from the SD in Kinsevere, sample STCDH 009-100. D) Sulphide alteration in a badly fractured portion of chalcopyrite. The chalcopyrite is overgrown with bornite, covellite and digenite in the SD from Kinsevere, sample STCDH 009-138.5 B. E) Scapolitised evaporite and the subsequent mineralisation of chalcopyrite in the evaporite and pyrite on the evaporite rim. The chalcopyrite highlights the skeletal growth of scapolite in the evaporite in the DStrat from Kinsevere, sample STFDH 027-107 A. F) Pyrite rim around evaporites from the DStrat in Kinsevere. In sample STFDH 027-107 B there is no chalcopyrite mineralisation in the evaporite.

Another copper sulphide that is present in the samples is bornite. Bornite is sparsely distributed throughout the Kinsevere and Ruashi deposits, commonly observed surrounding carbonaceous material. Coarse-grained bornite is in exsolution with chalcopyrite where chalcopyrite is preferentially along cleavage planes (Fig. 5.16). This exsolution represents a cogenetic relationship between bornite and chalcopyrite where chalcopyrite is recrystallised into the lattice structure of the bornite crystal.

Polished ore blocks show a clear relationship between carrollite and chalcopyrite. Textures indicate that chalcopyrite is consistently later than carrollite as it is commonly found rimming carrollite in

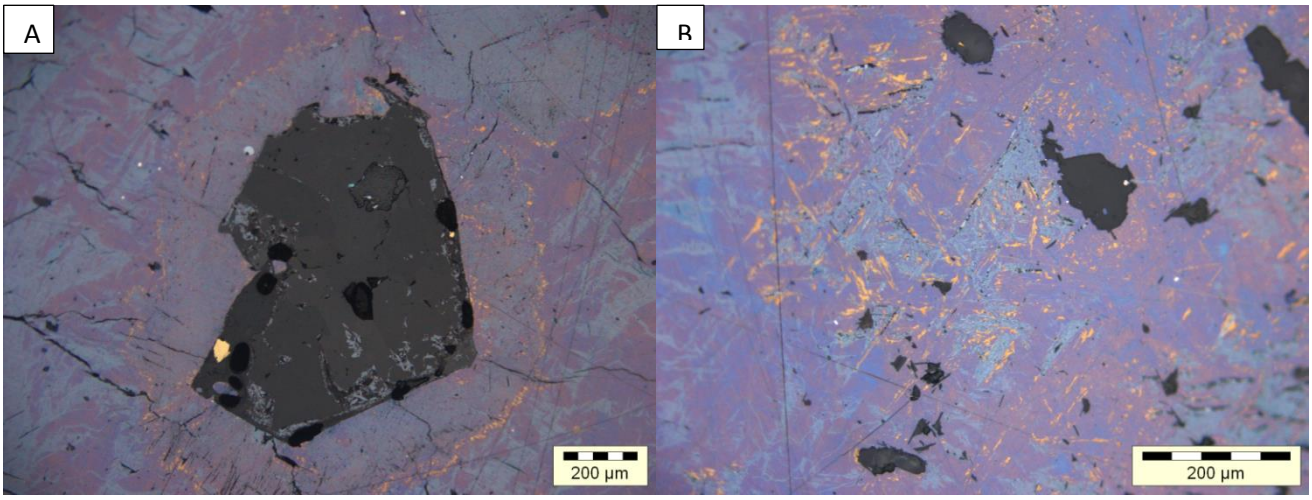


Figure 5.16: Diseased bornite around a gangue silicate mineral from the SD unit in Kinsevere, sample TCDH 030-230. A) Bornite diseased with chalcopyrite producing a halo around the gangue mineral. The rim may be the result of the gangue mineral partially reacting to heat flow and the recrystallisation of bornite and chalcopyrite simultaneously. B) Enlarged view of the bornite diseased with chalcopyrite. The chalcopyrite disease is clearly defined by the lattice structure of the bornite.

disseminated and vein-hosted ore. An exception to carrollite forming before chalcopyrite is identified where carrollite is found in the cracks and gaps in chalcopyrite and vice versa (Fig. 5.17). An explanation for this characteristic is that the chalcopyrite and carrollite are cogenetic and in equilibrium with each other.

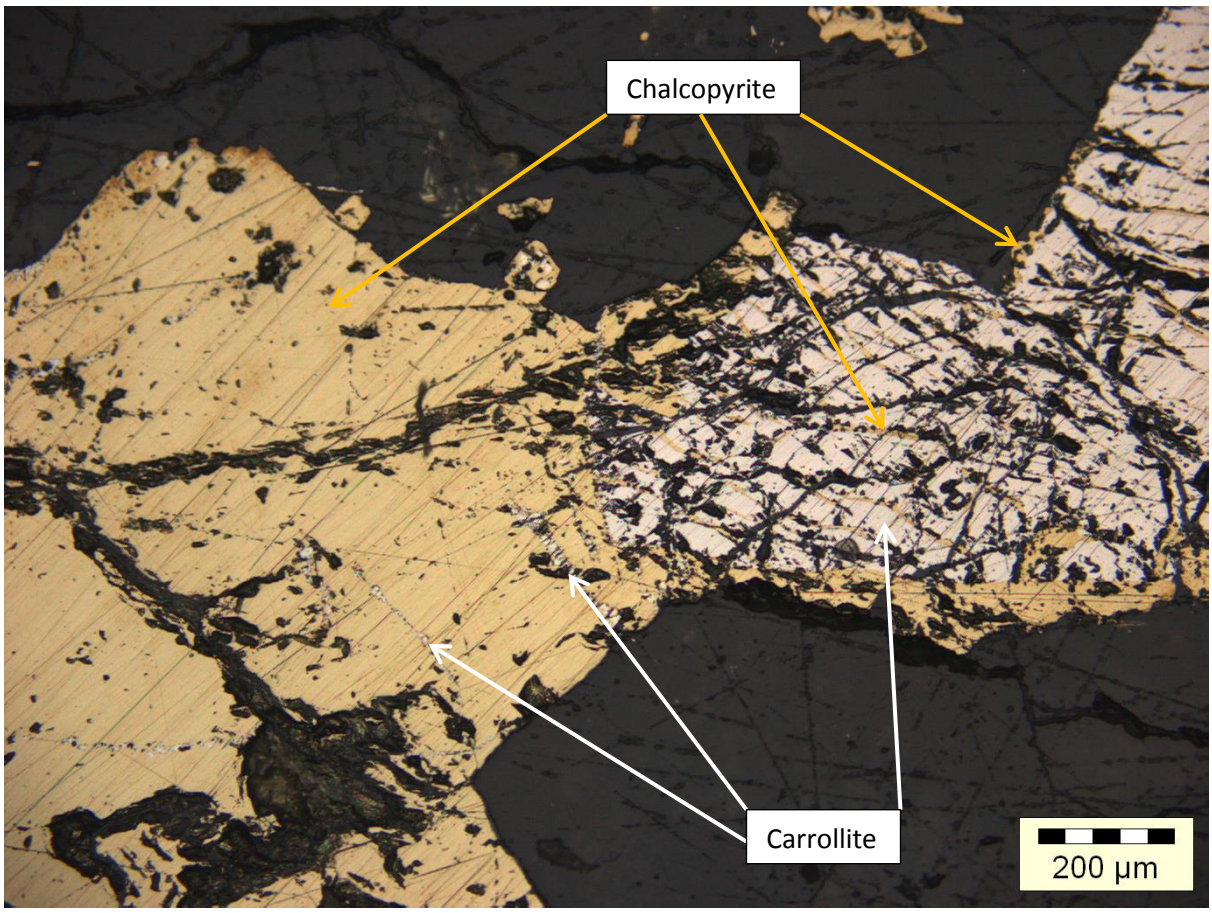


Figure 5.17: Syngenetic chalcopyrite and carrollite from the SD in Kinsevere, sample STCDH 071-204. The carrollite shows chalcopyrite exsolution and the chalcopyrite has carrollite exsolution. Vein-hosted mineralisation resulted in chalcopyrite and carrollite forming syngenetically or carrollite was formed prior to the deposition of chalcopyrite.

Discussion

Mineralisation in the Congolese Copperbelt is not homogeneously distributed throughout and as a result cannot be generalised on a regional scale (Fay and Barton, 2011). The reason for such poor regional characterisation is due to the high degree of copper remobilisation, so that deposits may be a combination of multistage hypogene and supergene processes (Fay and Barton, 2011; Decree *et. al.*, 2010).

A comparative cross-section of the Lufilian Arc, by Hitzman *et al.,* (2012), illustrates that the Katangan Basin between the Congolese and Zambian Copperbelts is not homogeneously distributed (Fig. 5.18). The variable distribution of the Mines Series makes it difficult to predict where favourable sites for mineralisation will occur. The stratigraphic locations of the copper deposits further illustrate favourable conditions for mineralisation where the circulating fluids meet the first reduced horizon (Fig. 5.18).

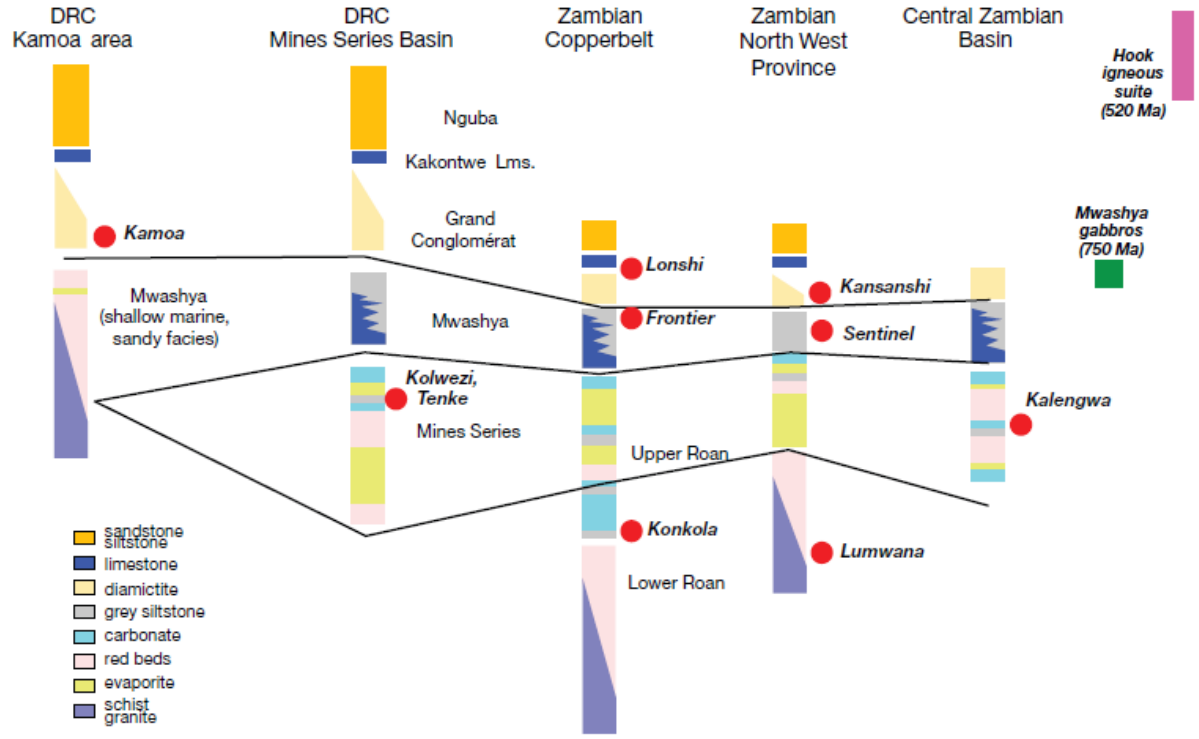


Figure 5.18: A stratigraphic correlation between deposits, indicated by the red dots, from the Congolese and Zambian Copperbelts (Hitzman *et al.,* 2012).

Within the Congolese Copperbelt the Mines Series is typically regarded as the most well mineralised zone favoured by exploration companies and mines. Typical deposits from the Congolese Copperbelt are predominantly stratiform hosted and defined by REDOX interfaces (Fay and Barton, 2011). The

common host lithologies of copper and cobalt are rocks from the Mines Series Subgroup of the Roan Group. The stratiform deposits are considered to be older than the vein-hosted deposits as well as being a potential source for the vein-hosted deposits (Kirkham, 1989; Bartolomè, 1974; Selley *et al.*, 2005).

Stratigraphy

The stratabound copper-cobalt systems are associated with lithological contrasts that favour REDOX reactions (Fay and Barton, 2011). The factors that control the precipitation of sulphide-bearing ore are predominantly the REDOX state of the lithology and the presence of sulphur (Kirkham, 1989; Bartolomè, 1974; Selley *et al.*, 2005). Excessive exposure of copper-cobalt laden brines to REDOX surfaces such as in argillites and dolomitic shales, promotes the formation of the lower (Red RAT + DStrat + RSF) and upper (Top RSC + SD + Base CMN) orebodies which are commonly seen throughout the Congolese Copperbelt (Fig. 5.19) (Bartolomè *et al.*, 1972; Rose, 1989). In addition to these factors, permeability and the degree to which pre-mineralisation dissolution has taken place are also major factors (Fay and Barton, 2011).

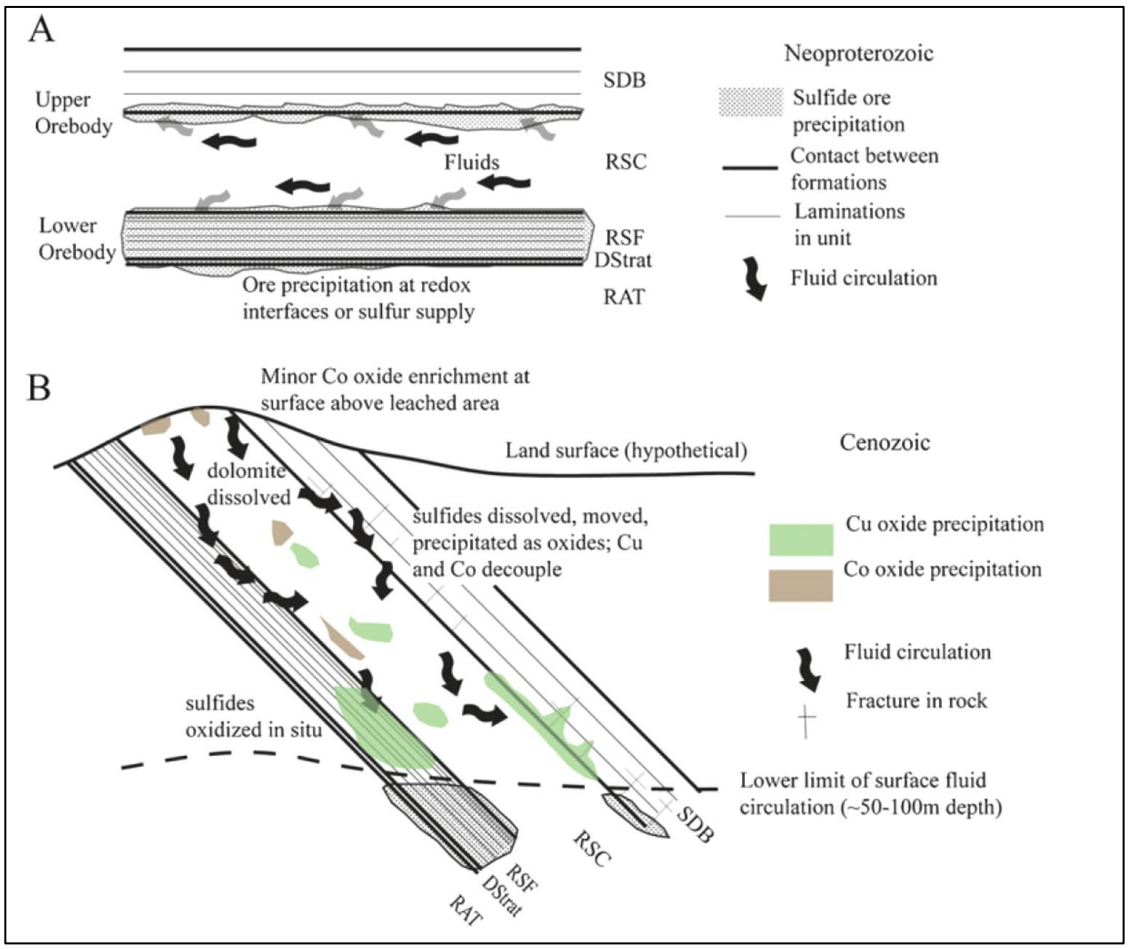


Fig. 5.19: Idealised representation of the hypogene and supergene mineralisation processes (modified after Fay and Barton, 2011). A) Represents the stratabound mineralisation and the subsequent upgrading of the upper and lower orebodies. B) Illustrates the remobilisation of the copper, and to a lesser extent the cobalt, due to supergene alteration.

The sulphides are deposited in pore spaces that remain from dissolution of soluble carbonaceous material during fluid circulation.

Lithologically the units that make up the Mines Series in both the Kinsevere Central pit and Ruashi pit 1 are comparable with each other and provide a good proxy for the Lubumbashi district. At the base of the Mines Series is the RAT. The RAT observed in this study is largely brecciated and composed of heterolithic clasts. The heterolithic clasts of the RAT are set in an abundant clay matrix that is largely unmineralised. Hitzman *et al.,* (2012) noted that the RAT from the Congolese Copperbelt is composed of a stratified dolomite and sandstone that is moderately mineralised and strongly potassically altered. This contrasts with the RAT observed in both the Kinsevere Central and Ruashi 1 pits, which is commonly observed as a heterolithic matrix-supported breccia with potassic-talc-alteration and poor mineralisation. This indicates that the heterolithic breccias are not homogeneously preserved across the Congolese Copperbelt.

The deposition of the DStrat is commonly composed of finely laminated impure variably silicified dolomite that is suggested to reflect the start of a marine transgression (Hitzman *et al.,* 2012). The DStrat is considered to be a reducing horizon against which significant ore deposition occurred (Hitzman *et al.,* 2012; Cailteux *et al.,* 2005). The fresh DStrat samples from Kinsevere and Ruashi are well mineralised, silicified and thinly-laminated dolomites. The mineralisation is commonly preserved as disseminated sulphides, parallel and perpendicular to bedding veins. These observations are consistent with those made by Hitzman *et al.,* (2010) who identified the DStrat as a thinly laminated dolomitic shale that had been excessively silicified.

Overlying the DStrat is the RSF, which is a finely laminated, siliceous dolomite of algal origin (Hitzman *et al.,* 2012). The RSF has been considered to be the most well mineralised unit together with the DStrat and RSC (Hitzman *et al.,* 2012). This is not true of Kinsevere Central pit or Ruashi pit 1 where mineralisation is predominantly hosted in the SD dolomitic shales. Furthermore the RSF hosts mineralised evaporitic nodules, which are not documented elsewhere.

In the Congolese Copperbelt the RSC is a thick (30 m), pervasively silicified, stromatolitic dolomite that is evaporite-bearing and moderately mineralised (Hitzman *et al.,* 2012). This contrasts with the RSC sample from Ruashi which is a relatively thin (~3 m) laminated to massive silicified dolomite, mineralised with disseminated and vein hosted sulphides. The mineralisation of the RSC is observed to host significant intersections of carrollite suggesting a preferential concentration in the RSC.

The SD documented by Hitzman *et al.,* (2010) is a silicified carbonate that grades upwards into a non-silicified siltstone that is well mineralised. By comparison, the SD from Kinsevere Central pit and Ruashi pit 1 is an organic carbon-bearing siltstone/dolomitic shale that is well mineralised with both disseminated and vein hosted copper - cobalt sulphides. This defines the upper orebody as the dominant mineralised portion of the Mines Series in Kinsevere and Ruashi. This contrasts with the observations for the Congolese Copperbelt where significant grades of mineralisation have been related to the lower and upper orebody (Cailteux *et al.,* 2005; Fay and Barton, 2011).

In Kinsevere Central pit and Ruashi pit 1, the CMN is a highly oxidised and haematised, thinly laminated dolomite with minimal potassic alteration. Mineralisation in the CMN is sparse and predominantly found as malachite and azurite. Hitzman *et al.* (2012) noted the well haematised nature of the CMN, classifying it as an argillaceous dolomitic siltstone that is moderately mineralised. This is largely comparable with the CMN from Ruashi and Kinsevere, however only traces of mineralisation are observed in the fresh core samples for the CMN.

The SD and CMN preserve a eustatic change, with a transition of the depositional environment from transgressive marine in the DStrat, RSF and RSC units, to a regressive environment in the SD and CMN (Lerouge *et al.,* 2005). This constrains the origin of the organic carbon to a continental/cratonic source evolving through eustatic changes (Wendorff, 2003; Van Eden and Binda, 1972; Binda, 1994). The organic carbon is characteristically reducing and is likely to account for the position of the upper orebody in the SD and CMN.

A significant difference between the documented Congolese Copperbelt deposits and the observation from the Kinsevere and Ruashi is the distinct lack of salt tectonics that were noted elsewhere by Jackson *et al.,* (2003). This suggests that the proposed extrusion of salt along a basal plane is not homogeneously distributed through the Congolese Copperbelt as previously thought.

The preservation of the lithologies is largely affected by the facies in which they are located. (Cailteux *et al.,* 2005). Lithologies that are preserved in the sulphide facies are generally more “fresh” than their counterpart in the oxide facies. From fresh sample analyses it is possible to estimate the approximate level at which the oxide facies transitions into the sulphide facies. The oxide facies forms a horizon which extends 80 - 100 m below the surface. It exhibits visible oxidation of sulphides, predominantly chalcopyrite and pyrite, into haematite and malachite.

The regularity of the sulphide facies in the SE portion of Ruashi pit 1 is interpreted as a fault of joint plane. These structural features possibly have allowed atmospheric conditions to oxidise the lithologies in such a regular fashion. By comparison the Kinsevere Central pit has not exposed the sulphide facies as determined by the lack of fresh material at surface in the pit. Table 5.2 contrasts the stratigraphy of the Mines Series in Kinsevere Central pit and Ruashi pit 1 against other Congolese deposits.

Table 5.2: A comparison between the stratigraphy documented in this study against other documented occurences of the same stratigraphy.

Stratigraphy	Congolese Deposits	This Study
CMN	Argillaceous dolomitic siltstone (Hitzman *et al.,* 2012)	Friable thinly laminated dolomite that is unsilicified.
SD	Silicified carbonate that grades upwards into a siltstone (Hitzman *et al.,* 2010).	Dolomitic shale with a high organic carbon content
RSC	Thick and silicified stromatolitic dolomite with a massive texture (Hitzman *et al.,* 2010)	Thin and silicified with a thinly laminated-massive texture.
RSF	Finely laminated siliceous dolomite of algal origin (Hitzman *et al.,* 2010).	Thinly laminated silicified dolomite.
DStrat	Finely laminated impure variably silicified dolomite (Hitzman *et al.,* 2012).	Thinly laminated dolomitic shale that is highly silicified.
RAT	Stratified dolomite and sandstone (Hitzman *et al.,* 2010).	Highly oxidised matrix supported breccia

Alteration

Studies in the DRC suggest that the main alteration phases in the Congolese Copperbelt are potassic alteration, magnesian alteration, silicification, haematisation and sodic alteration (Hitzman, 2010).

Figure 5.20 shows the evolution of alteration and the start of mineralisation from primary diagenetic to hydrothermal ore (Fay and Barton, 2011). Alteration of the Mines Series is identified to have occurred before significant hydrothermal influences affected the system. The final stage in mineralisation is identified as oxides and carbonates which remobilise copper and cobalt minerals through oxidation and meteoric fluid flow (Fay and Barton, 2011).

The onset of alteration is highlighted by potassic alteration (Hitzman *et al.,* 2010). Fay and Barton (2011) noted that potassic alteration appears to be predominantly hosted between the RAT and SD lithologies due to the fact that the unmineralised, non-argillaceous carbonates lack the compositional characteristics and chemical nature to promote potassic alteration (Fay and Barton, 2011). Secondary clays resulting from potassic alteration are common in the RAT, SD and CMN units (El Desouky *et al.,* 2008). According to Hitzman *et al.,* (2010) the potassic event is followed by a magnesian alteration event. This is comparable with what has been noted in the Kinsevere and Ruashi deposits, which identify the RAT and CMN to be excessively potassically altered, although the SD does exhibit potassic alteration but to a lesser degree.

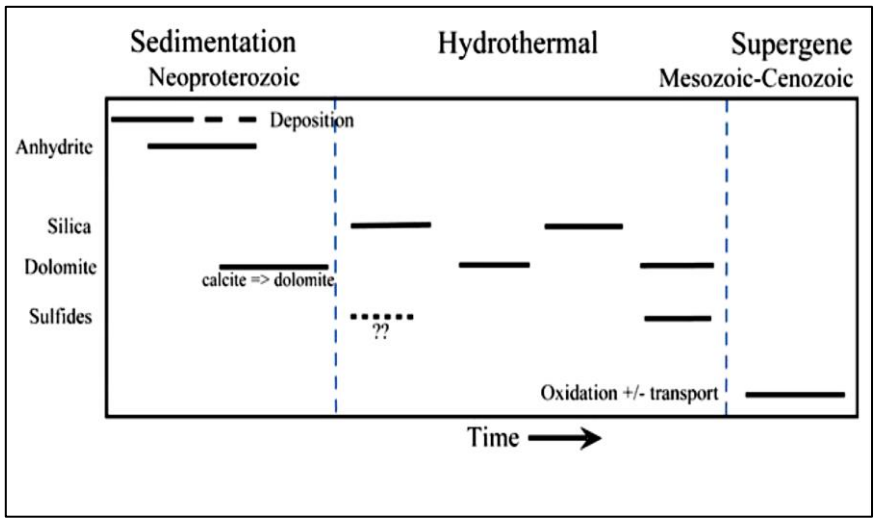


Fig 5.20: Paragenetic sequence of alteration and mineralisation in the Mines Series. The timing of the first hydrothermal-related ore influx is poorly constrained, however it is assumed to be after the first dolomitisation phase (after Fay and Barton, 2011).

The magnesian event resulted in the formation of dolomite and talc in argillaceous rocks, commonly at the expense of previously formed potassium feldspar, biotite, dolomite and quartz in carbonate rocks (Hitzman *et al.,* 2012). The magnesian event appears to have completely replaced the host dolomite with recrystallised dolomite (Selley *et al.,* 2010; Cailteux *et al.,* 2005; Hitzman *et al.,* 2012). Dolomitisation, chloritisation and talc alteration, most likely represent the magnesian alteration phase noted by Hitzman, (2010) in the Kinsevere and Ruashi deposits. The dolomitisation, chloritisation and talc alteration are all strongly associated with the recrystallisation of the potassically and silicically altered host lithologies in the Kinsevere and Ruashi deposits.

Silicification, particularly of the RSF and RSC, is believed to have commenced after significant burial and the start of lithification (El Desouky *et al.*, 2008). Textures in both the RSF and RSC have shown

that dolomite was recrystallised multiple times with quartz (Selley *et al.,* 2010; Hitzman *et al.,* 2012). This is comparable with the dolomitisation lenses in the RSF and RSC in Ruashi pit 1 that have large euhedral quartz grains and recrystallised dolomites.

The potassic, dolomitic and silicification alterations observed in Kinsevere Central pit and Ruashi pit 1 are comparable to those documented by Hitzman *et al.,* (2010),. The main difference between the alteration paragenesis in this study and what is previously identified is that silicification appears to have occurred later than potassic alteration and possibly coincides with magnesian alteration. Hitzman *et al.,* (2012) documented sodic alteration in veins which is likely to be equivalent to the late phase albitisation of potassium feldspar in and around veins from both Kinsevere Central pit and Ruashi pit 1. Albitisation is relatively poorly represented, and limited in occurrence to around veins and in evaporitic sediments in the Kinsevere Central pit and Ruashi pit 1.

The occurrence of sericite is evidence of the decay of potassic alteration and the formation of fine-grained white micas (Nesse, 2000). Sericite is often identified around potassic phases and represents a change in the acidity of the circulating fluids from a system (Meunier and Velde, 1982). Sericite in this study possibly indicates the late-stage alteration of potassically altered material due to acidic brines.

Scapolitisation is an additional late stage alteration event that is poorly documented in the Congolese Copperbelt but has a significant control on mineralisation in both Kinsevere Central pit and Ruashi pit 1. In Kinsevere Central pit and Ruashi pit 1 the mineralised DStrat, RSF, RSC and SD units illustrate the replacement of evaporitic nodules that have been scapolitised. This produces an intimate relationship between evaporites, scapolitisation and mineralisation. Scapolitisation associated with evaporites has been documented in the Congolese Copperbelt and interpreted as the possible result of evaporite dissolution (Armstrong *et al.*, 2005). The fluids that result in evaporitic dissolution are believed to be highly saline brines (De Magneé and François, 1988). The scapolite group is capable of behaving as a source or sink for carbonate and sulphate fluid phases (Vanko and Bishop, 1982).

The evaporite-bearing Roan Supergroup is dated between 765 ± 5 and 883 ± 10 Ma (Armstrong *et al.*, 2005; Key *et al.*, 2001) with alternative suggestions indicating a pre-820 Ma age (Jackson *et al.*, 2003). These dates indicate that evaporite dissolution and scapolitisation occurred prior to the Pan African Orogeny, however, the iron-rich sulphide mineralisation of these evaporites is likely to have

occurred during or after the orogenesis. The Kinsevere and Ruashi deposits are therefore believed to be influenced by highly saline, late-stage iron-rich fluids, which are due to excessive leeching and oxidation of the pit through and meteoric fluid flow.

Carrollite is not associated with evaporitic nodules in any of the evaporite-bearing horizons. Additionally the carrollite is concentrated towards the lower stratigraphic units in both the Kinsevere and Ruashi deposits. This can be rationalised by the stable, immobile nature of carrollite relative to copper (Rose, 1989). Table 5.3 contrasts the alteration identified in this study against alteration documented in the Congolese Copperbelt.

Table 5.3: Comparison of the alteration from this study and alteration previously documented in the Copperbelt.

Alteration	Congolese Deposits	This Study
Potassic	Growth of potassium feldspars and biotite in RAT, DStrat and SD (Hitzman, 2010).	Growth of potassium feldspar in the RAT, DStrat, SD and CMN units.
Magnesian/Dolomitic	Alteration of potassium feldspar, biotite (Hitzman *et al.,* 2010).	Recrystallisation of dolomite and formation of dolomitic lenses in the RSF and RSC.
Silicification	Silicification of the DStrat, RSF and RSC units, believed to have commenced at the start of lithification (El Desouky *et al.*, 2008).	Silicification of the DStrat, RSF and RSC units. Silicification occurs later than suggested by El Desouky *et al.*, (2008).
Sodic/ Albitisation	Late-phase, vein hosted sodic alteration in veins (Hitzman, 2010).	Albitisation in and around veins
Scapolitisation	Not documented	Late stage alteration of evaporites
Haematisation	Late-stage iron-rich fluids and oxidation (El Desouky *et al.,* 2008)	Late-stage iron-rich fluids and oxidation

Mineralisation

Mineralisation is a multiphase process, however, the timing of the different mineralisation styles and periods remains a contentious issue (Hitzman *et al.,* 2012; Cailteux *et al.,* 2005; Dewaele *et al.,* 2006).

Studies by El Desouky *et al.,* (2008) suggest that mineralisation is confined to two or three generations of hypogene mineralisation which is broadly similar to what has been observed in this study. Supergene mineralisation, resulting in copper-cobalt oxides and carbonates, are cuprite, malachite, chrysocolla, azurite and haematite which formed as a result of late stage remobilisation in the oxide facies (El Desouky *et al.,* 2008). The oxide facies observations are consistent with the observations from the samples in Kinsevere Central pit and Ruashi pit 1.

In Kinsevere and Ruashi three main stages of mineralisation can be identified with a possible fourth:-

(1) The earliest phase of mineralisation was diagenetic. At this stage, abundant disseminated chalcopyrite and carrollite was deposited in the Roan Group. Primary mineralisation occurred as diagenetically-drive fluids reacted within the basin with reduced sulphur- or organic-bearing sediments resulting in REDOX-induced precipitation of copper and cobalt sulphides during the Neoproterozoic.

(2) The second phase of mineralisation occurred as layer-parallel veins. In Kinsevere Central pit and Ruashi pit 1 these layer-parallel veins are predominantly mineralised with chalcopyrite with minimal cobalt mineralisation. The bedding-parallel veins are not commonly associated with quartz and calcite, but rather form thick, massive- textured chalcopyrite veins. These veins are interpreted to result from hypogene fluids that have intruded through the underlying dolomites and siltstones where they interact with thinly laminated, reduced carbonaceous shales of the DStrat, RSF, RSC and SD units (Porada and Berhorst, 2000). The vein hosted systems from the Congolese Copperbelt are interpreted to be mineralised by polysulphides (El Desouky *et al.*, 2008). The temperature of vein hosted mineralisation is believed to have ranged between 305-380°C (Heijlen *et al*., 2008). The generally accepted maximum temperature of typical Congolese Copperbelt fluid circulation is approximately 260°C at 800 bar (Greyling, 2009; Haest and Muchez 2011). Based on the temperature contrast for basinal circulation and vein formation, the veins are likely to have been driven by hydrothermal. Alternatively it would be possible to get higher temperatures in the vein systems if fluids had been able to percolate to greater depths as brittle fracturing occurred (Greyling, 2009; Haest and Muchez 2011).

(3) The third generation of mineralisation is preserved as perpendicularly- oriented veins which are composed of carrollite, chalcopyrite, bornite, covellite, chalcocite and minor cuprite. The perpendicularly-oriented mineralised quartz-calcite veins in Kinsevere Central pit and Ruashi pit 1

are associated with a high degree of haematisation. Sub-perpendicular veins tend to range in thickness from 0.3-5 cm. This constrains mineralisation to late-D1/early D2 period as it overprints the previous mineralisation events and exploits folds and faults resulting from orogenic collision (Kampunzu and Cailteux, 1999; Jackson *et al.,* 2003; Kipata *et al.,* 2013).

(4) The last stage of mineralisation is a late stage evaporitic sulphidation phase where evaporites are rimmed with pyrite and chalcopyrite. This evaporitic related mineralisation is commonly observed to be associated with extensive scapolitisation.

In addition to the copper-bearing sulphides, pyrite and arsenopyrite have been identified in some deposits (Desouky *et al.,* 2008). This may be due to an inverse relationship between copper sulphides and iron sulphides which is known to occur in the Congolese Copperbelt (Desouky *et al.,* 2008).

The ore blocks of the same lithologies from Ruashi pit 1 have more pyrite than those identified at Kinsevere Central pit. This can be problematic for Ruashi due to the fact that pyrite mineralises preferentially to carrollite (Hitzman, 2010).

Cobalt is relatively stable and poorly weathered in comparison to iron which may explain why it does not migrate far from the basal contact. The distinct lack of carrollite at the top of the deposits and pyrite from the base is possibly further explained by the geochemical work done by Schmandt, (2012). Schmandt, (2012) indicated that the lack of carrollite in the SD and CMN may be a result of its inability to remobilise efficiently. From Figure 5.21 the solubility of cobalt occurs at relatively higher Eh and pH levels than copper (Brookins, 1988). This means that copper is more likely to be remobilised in the system than cobalt under the same conditions. Additionally the oxidation point of copper relative to cobalt is far more easily attained during meteoric fluid flow. Copper requires far more neutral pH levels. The Eh potential of copper is far more likely to discharge electrons and thereby become oxidised than cobalt (Fig 5.21). The figure illustrates the redox behaviour of copper and cobalt. It indicates that copper will precipitate from a reducing solution before cobalt during progressive reducing conditions.

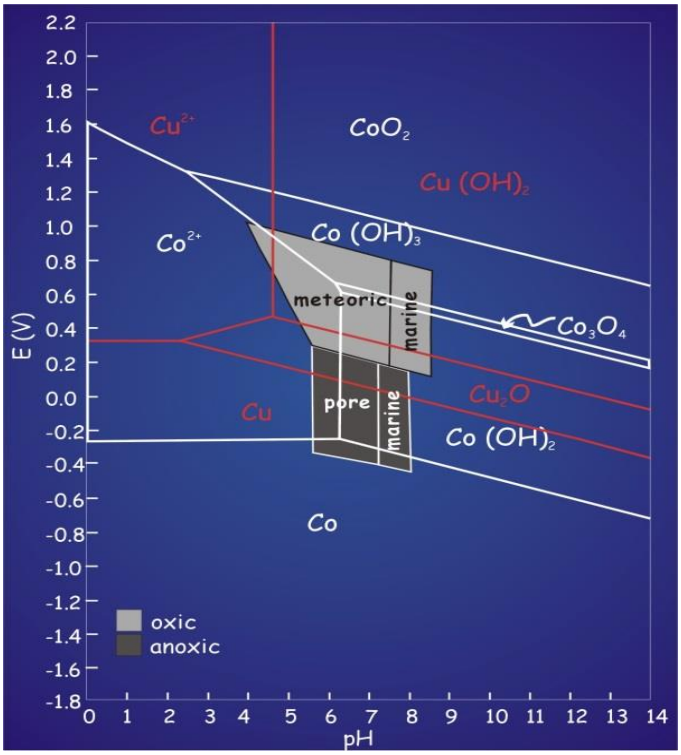


Figure 5.21: Solubility of copper hydroxide diagram Eh-pH (after Brookins, 1988). The solubility of copper is greater than that of cobalt and therefore indicates that the copper is more likely to be mobilised and redistributed in comparison to cobalt which is relatively stable.

The structural features that control mineralisation are predominantly veins that are either parallel or perpendicular to bedding. Folding deforms the bedding planes that host diagenetic disseminated mineralisation, which is distinctly earlier than vein-hosted mineralisation in Kinsevere and Ruashi. Boudinage and mineralised stylolites are a late stage features that have no significant influence on mineralisation. Circulating fluids are unlikely to have been concentrated by faulting in the Kinsevere in Ruashi deposits due to the late formation of faults relative to the veins. Furthermore, the veins are seen to displace and break up main mineralised sections, indicating that they are a late stage feature in the evolution of the Lubumbashi district (Dewaele *et al.,* 2006; Fay and Barton, 2011; El Desouky *et al.,* 2008). The timing of the shearing event in the SD is considered to be a late stage, post veining event. From the samples analysed, the shearing did not concentrate or influence mineralisation, however it makes sense that shearing would have had some influence on mineralisation as it postdates veining and therefore had the potential to remobilise ores. Kink bands are regarded as a late stage structure as they developed after the first penetrative cleavage formed according to McClay, (1987). Table 5.4 contrasts the observed mineralisation in this study against what has been documented elsewhere.

Table 5.4: A comparison of the mineralisation stages from the Congolese Copperbelt deposits and mineralisation in this study.

Mineralisation	Congolese Deposits	This Study
Disseminated stratiform	Diagenetic stratabound disseminated mineralisation (El Desouky *et al.,* 2008).	Diagenetic stratabound disseminated chalcopyrite and carrollite mineralisation.
Vein Hosted	The vein hosted systems from the Congolese Copperbelt are mineralised by polysulphides (El Desouky *et al.*, 2008). (No reference to preferential vein orientations)	Two vein generations. Bedding-parallel veins and bedding-perpendicular veins. Bedding parallel veins formed before perpendicular vein.
Evaporitic dissolution	Not documented	Evaporitic nodules rimmed by chalcopyrite and pyrite.
Supergene alteration	Formation of copper-cobalt oxides and carbonates from sulphides (El Desouky *et al.,* 2008)	Formation of copper-cobalt oxides and carbonates from sulphides

Paragenetic sequence.

The initial mineralisation in Kinsevere and Ruashi is characterised by diagenetic disseminated chalcopyrite and carrollite. The second generation is vein-hosted hypogene mineralisation. Two vein generations are identified. The first vein generation is bedding-parallel with carrollite and chalcopyrite. Possible changes in the compression direction created the second vein generation where perpendicularly oriented veins host chalcopyrite, carrollite, bornite, covellite, digenite and chalcocite mineralisation associated with them. The final hypogene phase is preserved as a late stage of chalcopyrite and pyrite formation. This is observed in and around the evaporites, indicating a strong correlation between mineralisation and the dissolution of evaporites. The last mineralisation event in the Kinsevere and Ruashi mines is supergene mineralisation. Malachite, azurite and heterogenite are a common result of the oxidation and remobilisation of the pre-existing hypogene ore. Table 5.5 shows the paragenetic sequence for the Kinsevere and Ruashi deposits.

Table 5.5: Table illustrating the mineralisation type and style relative to the alteration and the deformation event.

Mineralisation	Mineralisation style	Alteration	Deformation
Chalcopyrite and carrollite	Disseminated	Dolomitisation and silicification	Pre-Orogenesis
Carrollite	Bedding-parallel vein	Dolomitisation, potassic alteration	D1
Chalcopyrite	Bedding-parallel vein	Potassic alteration and sericitic	D1
Chalcopyrite and minor carrollite	Perpendicular vein	Potassic alteration, chloritisation, albitisation and haematisation	Late D1/early D2
Bornite, chalcocite, digenite and covellite	Alteration around chalcopyrite	Scapolitisation and haematisation	D2
Chalcopyrite and pyrite	Mineralised rims	Scapolitisation and haematisation.	D2/D3

Conclusion

Ruashi pit 1 and to a large extent Kinsevere Central pit represent typical Congolese deposits which are identified as low temperature, saline fluid environments strongly influenced by REDOX chemical reactions (Hitzman *et al.,* 2010). These characteristics concentrate the majority of mineralisation in the SD and Base of the CMN in Kinsevere Central pit and the DStrat, RSF, RSC and SD in Ruashi pit 1. The Mines Series of the Congolese Copperbelt is largely comparable in Kinsevere Central pit and Ruashi pit 1. In Kinsevere Central pit the absence of the RSF and RSC has resulted in the SD being strongly mineralised with high grade copper and cobalt.

Relationships between alteration and mineralisation have a minor spatial control on the distribution of copper and cobalt mineralisation within the Lubumbashi district. The common alteration phases identified in the Kinsevere and Ruashi deposits are pervasive potassic alteration, dolomitisation and silicification. Albitisation is identified in all units but is limited in extent and confined to perpendicularly-oriented veins. The RAT and CMN units have a strongly haematised and potassically altered composition. The haematisation in veins and lithologies occurred during the late stages of alteration as did the formation of supergene mineralisation.

The peak of mineralisation is believed to be coincident with the potassic alteration phase which is consistent with what has been deduced by Hitzman *et al.,* (2010). The magnesian phase, forming dolomitised followed potassic alteration. Albitisation is one of the last phases of alteration in the Kinsevere and Ruashi deposits. The general trends observed in the Kinsevere and Ruashi deposits relate hypogene mineralisation to the sulphide facies and supergene mineralisation to the oxide facies. Sulphide mineralisation is believed to have been initiated by early diagenetic processes, deposited during the onset of potassic alteration.

Primary mineralisation is identified as stratiform mineralisation which is digenetic. Primary sulphide mineralisation is primarily preserved as disseminated chalcopyrite and carrollite. Carrollite is consistently rimmed by chalcopyrite and represents the earliest mineralisation event. Cobalt-bearing minerals are confined to the base of the deposits due to its immobile nature relative to copper and iron.

Vein-hosted copper and cobalt mineralisation occurs syn- to post-orogenically. The veins from Kinsevere and Ruashi commonly host chalcopyrite, carrollite, chalcocite, bornite, digenite, covellite and pyrite. Alteration of the sulphides commonly results in digenite and covellite. Primary chalcopyrite and carrollite are rimmed by a later generation of chalcocite, bornite, digenite, covellite and pyrite in Kinsevere Central pit and Ruashi pit 1 where. The two dominant vein orientations are interpreted to have formed during a change in the shortening direction attributed to D1 and D2 respectively. The timing of the reorientation of the shortening direction identifies the bedding-parallel veins to have formed before the perpendicularly oriented veins.

The deposition of cuprite, malachite, chrysocolla, azurite and haematite are attributed to late-stage supergene mineralisation in the oxide facies.

Copper sulphide distribution is potentially vertically zoned with respect to the boundary between the haematitic CMN Subgroup and the basal RAT. Chalcopyrite, carrollite, chalcocite and bornite are predominantly located at the base of the DStrat, whereas chalcopyrite and pyrite dominate the stratigraphically higher portions of the deposit.

The source of the sulphur that gave rise to the mineralisation in the eastern portion of the Lufilian Arc remains poorly understood. Sulphur isotope signatures are well documented and are often

successfully used to identify the environment from which the sulphur was derived. By analysing the sulphur isotopes the potential source of the sulphur can be determined.

Chapter 6

Sulphur Isotope Analysis

Sulphur isotopes

The source of copper remains a highly debatable topic in the Lufilian Arc. It is commonly thought that the sulphur needed to produce the copper sulphides is sourced from anhydrite and gypsum in evaporite-bearing horizons which formed from the early to late diagenesis (Unrug, 1988; Kirkham, 1989; Hitzman *et al.,* 2010).

Many models have been proposed to correctly identify the systems which gave rise to mineralisation. The earlier epigenetic, syngenetic and diagenetic models, poorly constrain ore mineralisation and deposition processes (Bartholomé, *et al.,* 1972; Bartholomé, 1974; Cailteux, *et al.,* 2005; Kampunzu and Cailteux, 1999; Unrug, 1989; Mandelsohn, 1961; Ohmoto, 1986). The diagenetic model is based on the hypothesis that two generations of sulphides are present (Bartholomé, *et al.,* 1972; Bartholomé, 1974). This is a better interpretation of the current system but still unconvincingly identifies the origin of sulphur. The lack of suitable models which describe timing and source of mineralisation within the Katanga Supergroup, led to the development of the syn-diagenetic and diagenetic-hydrothermal models (Mendelsohn, 1961; Garlick, 1967, 1989; Bartholomé *et al.,* 1972; Bartholomé, 1974; Ohmoto, 1986; Lerouge *et al.,* 2005; Sweeney *et al.,* 1991; Cailteux *et al.,* 2005; Sweeney and Binda, 1989). The models ascribe the influx of various metals into the Neoproterozoic rift basin to the erosion of the felsic igneous bodies. This produced oxidised, metal-laden brines as well as hypersaline lagoonal brines which began to mix (Sweeney and Binda, 1989). To upgrade the metals into an economic resource within this model, required a late diagenetic hydrothermal fluid component that emanated from rift-related faults (Cailteux and Kampunzu, 1995; Cailteux *et al.,* 2005).

Possible visual evidence from the Mines Series Group, regarding the provenance of the sulphur is found in the SD unit. Here, vast quantities of organically-reducing matter and evaporites are present (Unrug, 1989; Hitzman, 2010). The lenticular style of the reduced layers could possibly have created a REDOX boundary along which oxidised, metal-laden fluids were reduced, which promoted precipitation of ores.

The formation of sulphides, such as pyrite, resulted from the chemical reduction of sulphates from circulating fluids (Berner, 1984; Trudinger *et al.,* 1985; Strauss and Schieber, 1989). The palaeoenvironments required to produce sulphides can be predicted from the sulphur isotopic ratio

(Goldhaber and Kaplan, 1974). Sedimentary environments which have been influenced by oceanic and/or atmospheric conditions preserve algal- or microbially-derived sulphates that produce unique sulphur isotopic signatures (Strauss and Schieber, 1989). Analysis of the sulphur isotope ratios from lithified sedimentary basins indicates that the isotopes are sensitive to the paleoenvironment in which they formed (Schwarcz and Burnie, 1972; Chambers, 1982; Sakai *et al.,* 1982; Coleman, 1977; Kerridge *et al.,* 1983; Rollinson, 1993). The sulphur isotopic composition is identified to vary greatly in terrestrial environments where different processes, such as hydrothermal fluid mixing to hypersaline basinal fluids were active (Walker *et al.,* 1958; Shields *et al.,* 1965).

The distribution of sulphur isotopic ratios is well documented for a variety of environments (Coleman, 1977). The compilation of isotopic ratios and their respective environments allows for the determination of the environment in which the isotopes were derived (Fig 6.1) (Coleman, 1977).

A negative isotopic signature is indicative of sulphur that has been derived from seawater whereas a positive isotopic signature is a product of modern seawater environments or a hydrothermal input (Ault and Kulp, 1959).

Stable isotope analysis

Sulphur isotopes from Kinsevere Central pit and Ruashi pit 1 were studied and contrasted against each other. Analysis of the copper and cobalt sulphides was performed at iThemba Labs, University of the Witwatersrand. The equipment used consists of a continuous flow isotope-ratio mass spectrometer (CF-IRMS) connected to a Flash HT plus elemental analyser (EA) (Fig 6.2).

The EA converts the total sulphur in a solid sample to SO_2 gas. The EA is connected to a CF-IRMS, which can determine the relative mass differences in stable isotopes. The principle actions record the sulphur isotope ratio ($^{34}S/^{32}S$) from the produced SO_2 gas. The combustion is quantitative, where no isotopic fractionation is involved

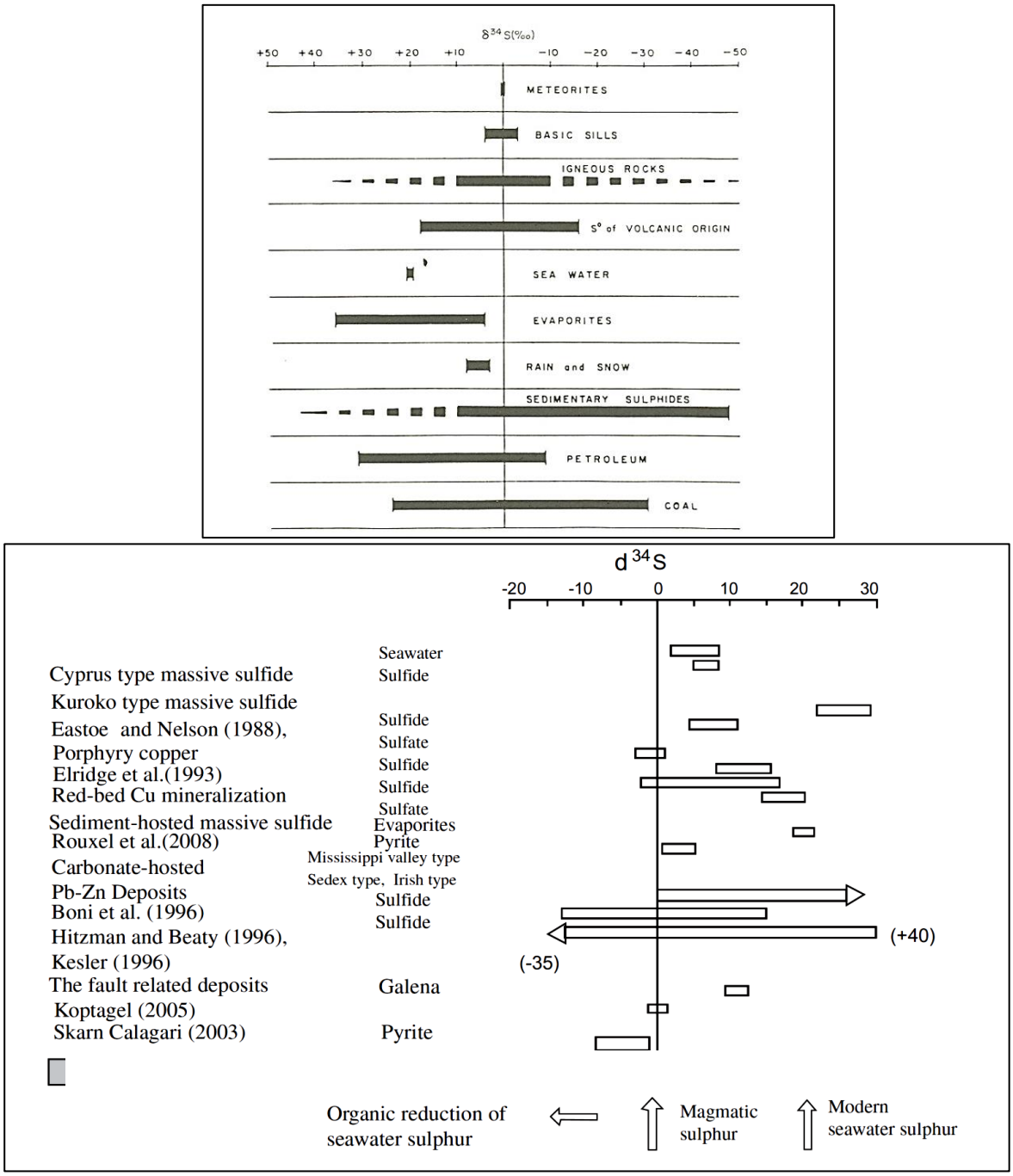


Figure 6.1: Sulphur isotope distribution and the relative deposit type from which the sulphur was sourced. The distribution of sulphur isotopes in natural systems can be predicted based on the respective isotopic ratio. Furthermore, the tectonic setting can be deduced from the negative and positive values of sulphur isotopes. (Rollinson, 1993; Eastoe and Nelson, 1988; Eldridge et al., 1993; Boni et al., 1996; Hitzman and Beaty, 1996; Kesler, 1996; Calgari 2003; Koptagel et al., 2005; Rouxel et al., 2008).

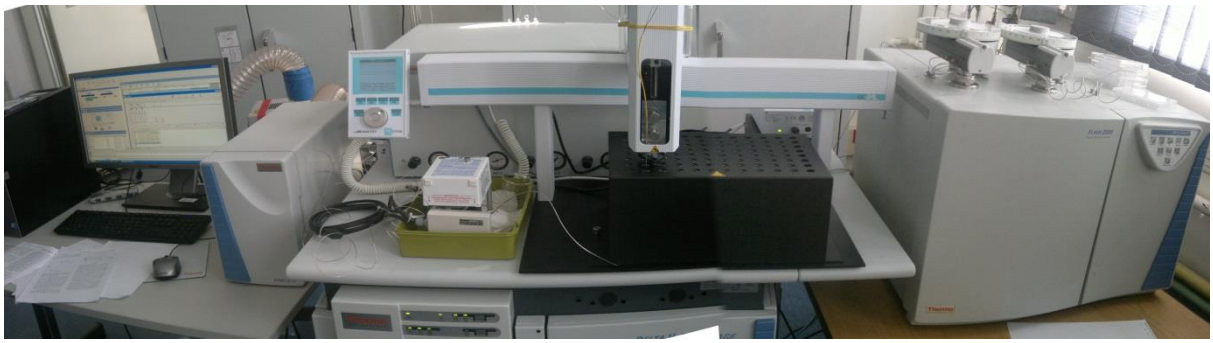


Figure 6.2 iThemba Flash HT plus elemental analyser (EA) continuous flow isotope-ratio mass spectrometer (CF-IRMS) at the environmental isotope laboratory in Gauteng.

The isotope analyses were run according to the method used by Horstmann and Malinga (2003). Samples were placed in silver capsules and loaded into a Costech Zero-Blank Autosampler on the EA (Fig 6.3). Vanadium pentoxide (V_20_5) and powdered sulphide was mixed together in a 2:1 ratio to ensure complete combustion. When loaded, the capsules hold approximately 2.5 mg of powdered sulphide plus vanadium pentoxide. Under computer control, samples are loaded onto a carousel, then dropped into a heated tube that combines both the oxidation and the reduction reactions (Harris, 2006) (Fig 6.3). This produces SO_2 gas generated from the samples being combusted under oxygen pressure at a temperature of 1020 °C. The SO_2 gas was separated and collected by means of a reduction combustion catalyst and variable temperature trap respectively (Revesz *et al.,* 2012) (Fig. 6.3). Combustion products are transported by a helium (He) carrier through the reduction zone at the bottom of the reaction tube to remove excess oxygen. The gas then travels through a separate drying tube to remove excess water. The gas-phase products, mainly CO_2, N_2, and SO_2, are separated by a gas chromatograph which isolates the SO_2 gas from other gases such as N_2 and CO_2 (Revesz *et al.,* 2012) (Fig 6.3). The SO_2 gas was then ionised and accelerated by the isotope ratio mass-spectrometer for further separation. The ion beams from SO_2 are separated into the isotope fractions as follows: m/z 64 = SO_2 = ^{32}S16O16O; and m/z 66 = SO_2 = ^{34}S16O16O (Revesz *et al.,* 2012). This allowed for the ^{32}S and ^{34}S isotopes to be separated from one another, using a magnetic field which could measure slight variations on a Faraday cup universal collector array (Fig 6.3).

The results are presented in δ – notation (expressed below) relative to the Cañyon Diablo Troilite (CDT) standards (Revesz, *et al*., 2012)

$$\delta^{34}S\ (‰) = \left[\frac{\frac{^{34}S}{^{32}S}sample}{\frac{^{34}S}{^{32}S}\ standard} - 1\right] \times 1000$$

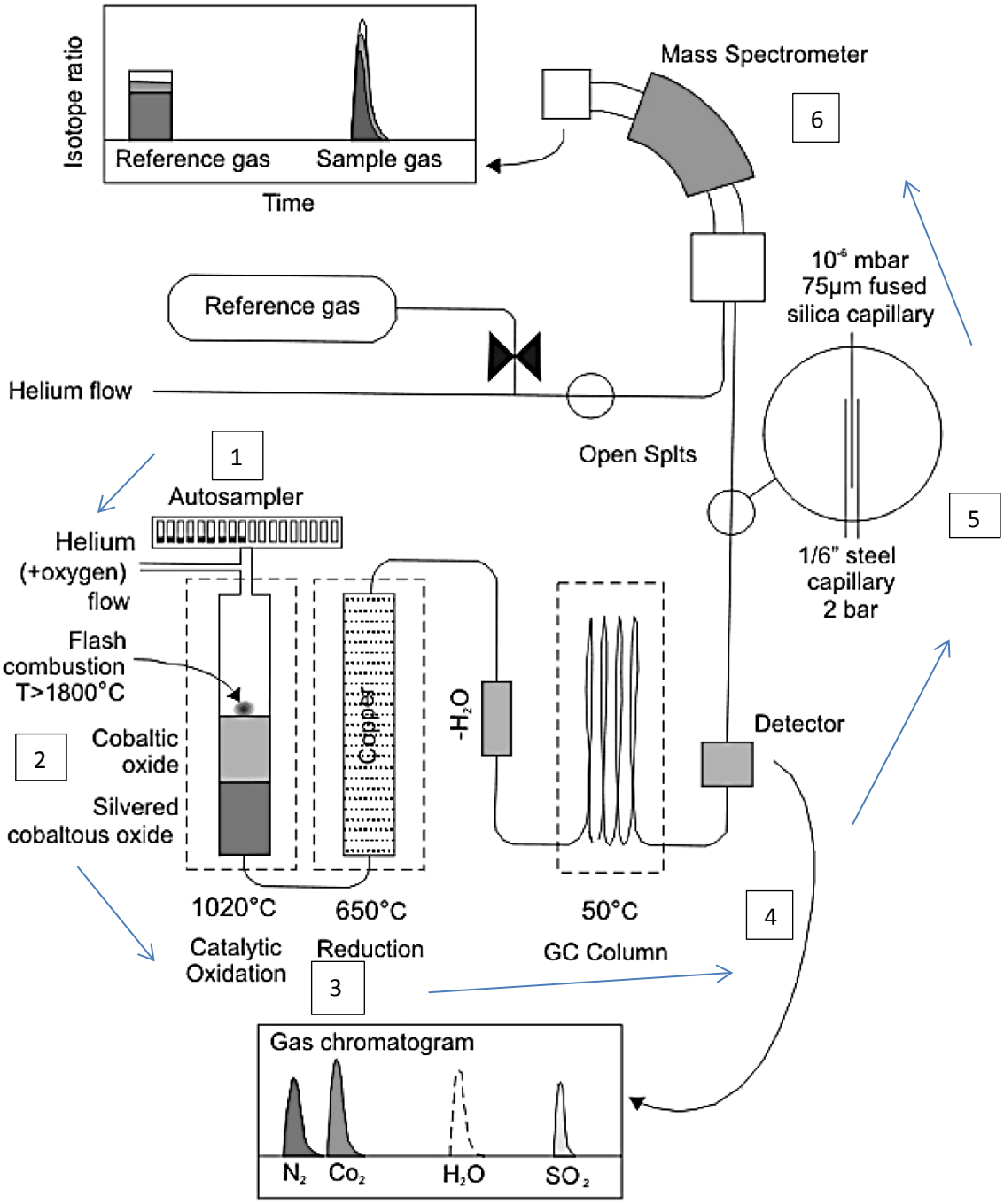


Figure 6.3: Diagrammatic representation of a continuous flow mass spectrometer (modified after Gill, 1999 and Sharman-Harris, 2006). Stage one (1), illustrates the electronic load point of samples from the carousel into the furnace. Stage two (2), illustrates the combustion stage of the sample in the presence of oxygen. Stage three (3), indicates the catalytic oxidation, reduction and removal of water from the gas products. Stage four (4), remaining sulphur dioxide (SO_2), nitrogen (N_2) and carbon dioxide (CO_2) are separated. The SO_2 gas is ionised into ^{32}S and ^{34}S after separation. Stage five (5), indicates the magnetic separation of the sulphur isotopes. Stage six (6), indicates the final analysis of the sulphur isotopes by the mass spectrometer.

Two standards were used during the investigation to calibrate the mass spectrometer and correct for instrumental drift, as suggested by Brooks et al. (2005). CGS–7 (Ferrous sulphide) was used to indicate the low delta calibration standard, producing readings of -2.68 ‰ $\delta^{34}S$. OGS-1 (sulphate) was used as the international standard for high delta calibration, yielding a result of +20.87 ‰ $\delta^{34}S$ (Fig 6.4). The two standard peak-to-peak models, devised by Brooks et al. (2005), were used to account for the standard deviation for all calibrations, bringing corrections to within 0.3‰ $\delta^{34}S$.

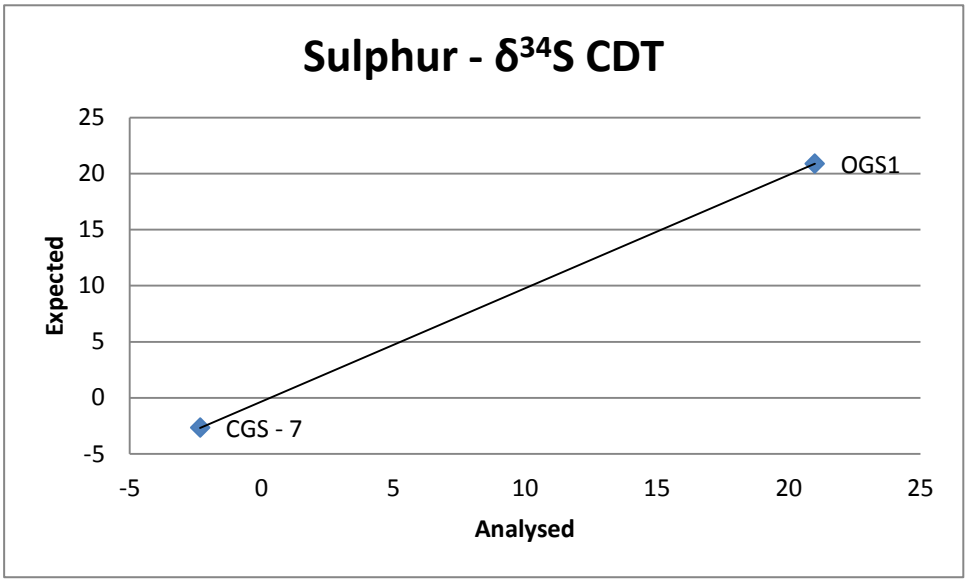


Figure 6.4: Graph indicating the regression of one international standard (OGS1) and 1 internal standard (CGS - 7). The two values are plotted against analysed and expected outcomes respectively to allow the user to calibrate the mass-spectrometer correctly for instrumental drift.

The isotope analysis of sulphides requires the crushing, milling and sieving of the specific samples to between 125 – 90 µm. This ensures that the samples are of similar size, homogenising the samples in the analysis. This is done to reduce experimental error during the analysis. The samples were duplicated and averaged to a single value, increasing the accuracy of the data (Revesz *et al.,* 2012). The samples to be analysed have been accurately weighed using an electronic mass balance to produce a 1: 2 ratio between sulphide and vanadium pentoxide (Appendix D).

Interferences

There are no known interferences with this analytical technique, however, it should be noted that if samples contain a mixture of different sulphur sources, the reported isotope-ratio values represent the isotopic composition of the total sulphur in the sample (Revesz *et al.,* 2012). The $\delta^{34}S$ values of specific sulphur species cannot be provided with this analytical technique.

The $\delta^{34}S$ of plants, animals, and soils with high n(C)/n(S) values may be falsely positive and interfere with the final results, (Fry *et al.,* 2002). To minimize this interference, V_2O_5 is added to each sample to buffer the $\delta^{18}O$ of SO_2 gas (Revesz *et al.,* 2012).

Preparation of samples

Sample material was drilled out of the respective samples using a dentist drill. The samples were then crushed to a fine powder for analysis.

Samples from Kinsevere and Ruashi

Carefully selected samples of chalcopyrite, carrollite and pyrite from Kinsevere and Ruashi were selected based on their apparent mineralisation style (Appendix D) (Fig 6.5). Only fresh sulphides were extracted from the rocks. Three disseminated, five parallel- and four perpendicularly- oriented veins relative to bedding samples were chosen. This was done in an attempt to constrain the

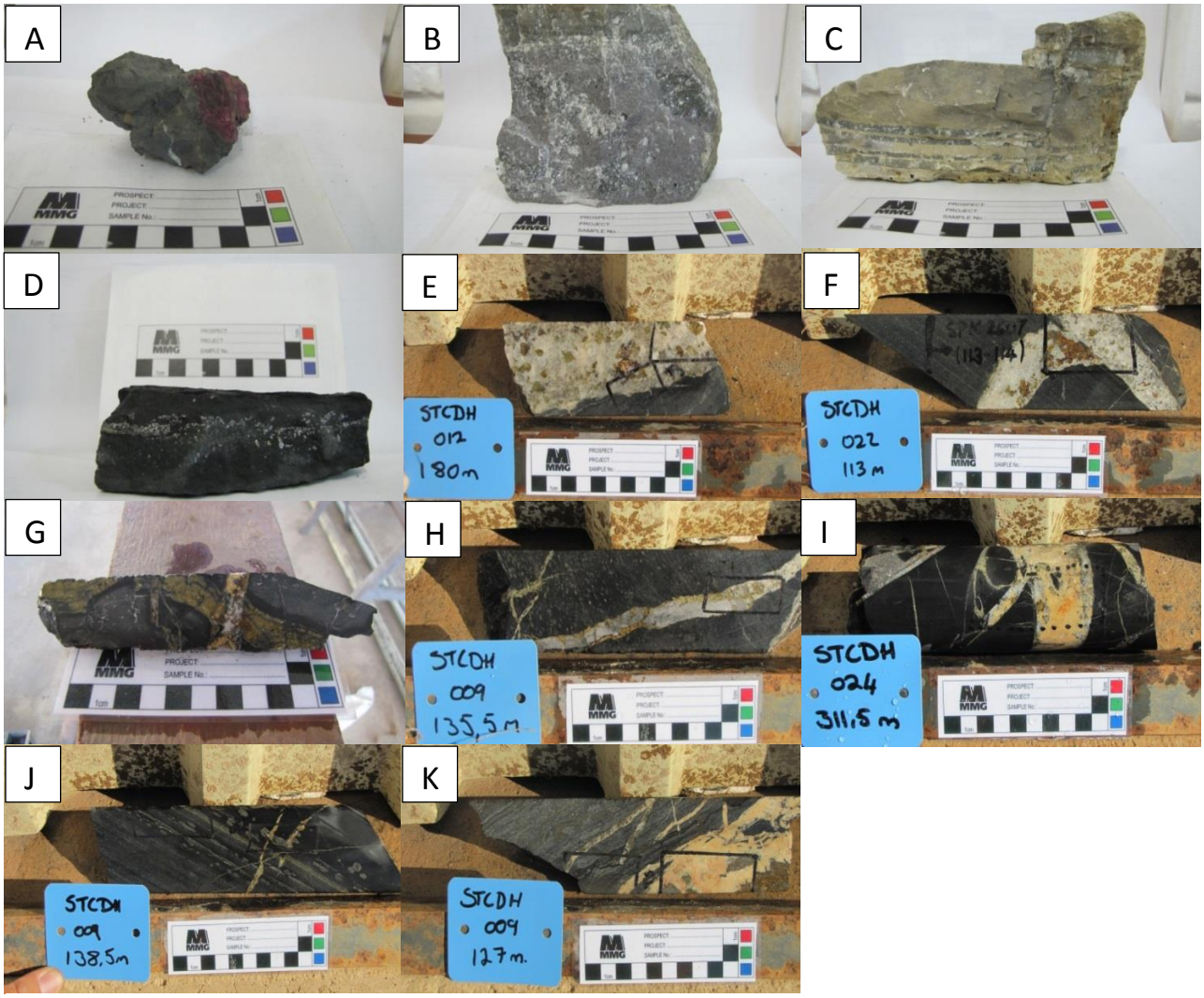


Figure 6.5: Images of the handpicked samples from the Kinsevere and Ruashi pits respectively. A) Bedding-parallel veins of carrollite (Ru 4 = SD-BOMZ). B) Disseminated carrollite (Ru 7 = DStrat). C) Perpendicular veins mineralised with carrollite (Ru 6 = DStrat hosting). D) Black shale with disseminated pyrite (Ru 9 = SD). E) Bedding parallel veins of chalcopyrite (STCDH 012 (180 m) is RSF. F) Perpendicular veins of carrollite (STCDH 022 (113 m) = SD 3a). G) Bedding parallel veins mineralised with chalcopyrite (TCDH 050 (151.8 m) = SD 2d. H) Perpendicular veins mineralised with carrollite (STCDH 009 (135.5 m) = DStrat). I) Perpendicular veins mineralised with carrollite (STCDH 024 (311.5 m) = SD 2a). J) Disseminated chalcopyrite (STCDH 009(138.5 m) = RSF). K) Black shale hosting perpendicular carrollite veins (STCDH 009 (127 m) = SD).

sulphide provenance with respect to different mineralisation occurrences and mineralisation styles.

According to different mineralisation styles, sulphur isotopes collected from chalcopyrite (Fig. 6.5 E, F, G, J), carrollite (Fig. 6.5 A, B, C, H, I, K) and pyrite (Fig. 6.5 D), were analysed. The variety in mineralisation styles ranges from disseminated to vein-type, the latter is both parallel- and perpendicular- with respect to the bedding. The analytical results, divided according to mineralisation style, sulphide phase, depth and lithological unit, are summarised in appendix D. Furthermore the grouping of minerals allows for the discrimination of potentially different sulphur sources responsible for mineralisation of sulphides.

A comprehensive summary of the combined results with their respective isotopic ratios is presented in Table 6.1 and shown in Fig. 6.6. Duplicate measurements are documented in appendix D. The results show significant variation in $\delta^{34}S$ values between -11.43 ‰ to + 1.45 ‰ for chalcopyrite and – 12.57 ‰ to + 19.95 ‰ for carrollite (Table 6.1).

Table 6.1: Isotope results for pyrite, chalcopyrite and carrollite based on the mineralisation style of the sample from the Kinsevere and Ruashi respectively.

Sample ID and depth	$\delta^{34}S$ (‰)	Nature of mineralisation	Sulphide mineralisation	Lithological Unit
Ru 9	-6.95	Disseminated	Pyrite	SD (Black Shale)
STCDH 009 (138.5)	-2.80	Disseminated	Chalcopyrite	RSF
Ru 7	+12.30	Disseminated (Coarse)	Carrollite	DStrat
STCDH 009 (135.5)	+14.20	Vein ∟	Carrollite	DStrat
STCDH 024 (311.5)	-1.38	Vein ∟	Carrollite	SD 2a
STCDH 009 (127)	+13.11	Vein ∟	Carrollite	SD (Black Shale)
STCDH 022 (113)	-11.43	Vein ∟	Chalcopyrite	SD 3a
TCDH 050 (151.8)	-12.57	Vein ‖	Chalcopyrite	SD 2d
Ru 6	+19.95	Vein ‖	Carrollite	DStrat
STCDH 012 (180)	+1.54	Vein ‖	Chalcopyrite	RSF
Ru 4	+2.01	Vein ‖ (Nodular evaporites included)	Carrollite and chalcopyrite	SD-BOMZ

The disseminated $\delta^{34}S$ samples differ according to their respective parental sulphide– 6.95 ‰ $\delta^{34}S$ for pyrite, - 2.80 ‰ $\delta^{34}S$ for chalcopyrite and + 12.30 ‰ $\delta^{34}S$ for carrollite (Table 6.1; Fig 6.6).

The bedding parallel veins range from - 12.57 ‰ $\delta^{34}S$ to + 1.54 ‰ $\delta^{34}S$ for chalcopyrite and + 19.95 ‰ $\delta^{34}S$ for carrollite (Table 6.1; Fig 6.6).

Veins oriented perpendicularly to the bedding planes vary from -11.43 ‰ $\delta^{34}S$ for chalcopyrite and – 1.38 ‰ $\delta^{34}S$ to + 14.20 ‰ $\delta^{34}S$ for carrollite (Table 6.1; Fig 6.6).

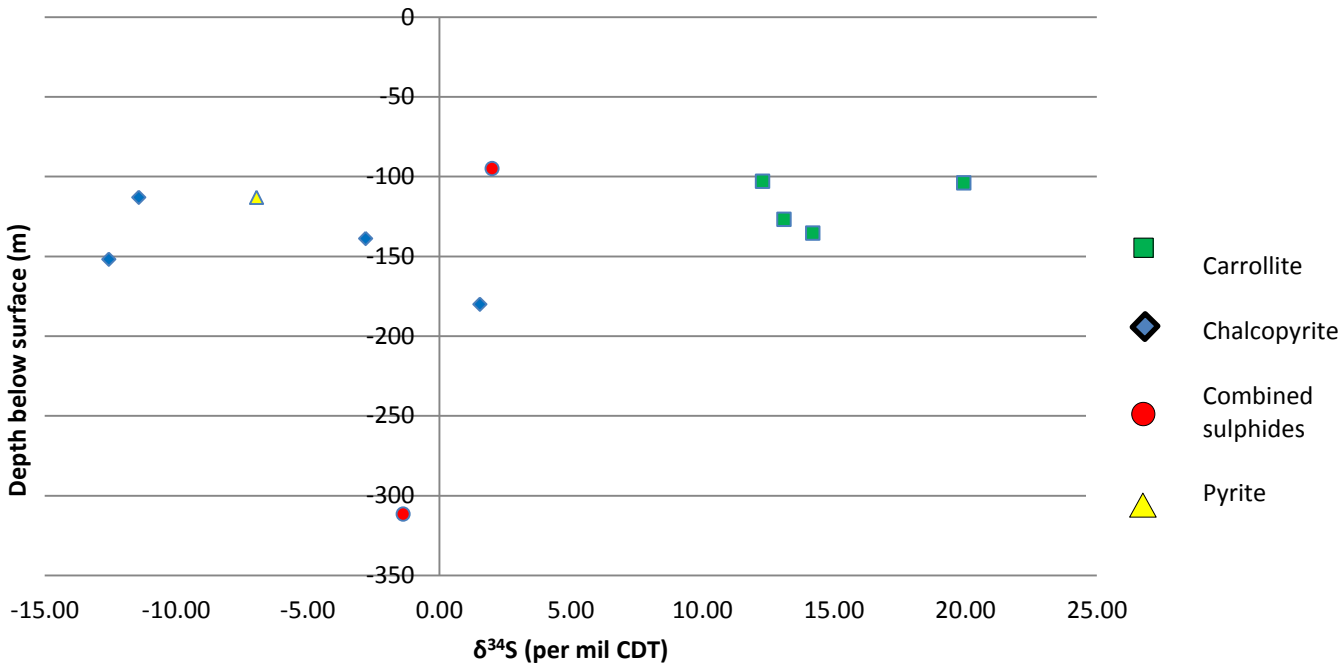


Figure 6.6: Sulphur isotopic composition of chalcopyrite and carrollite from Kinsevere and Ruashi mines ($\delta^{34}S$). The sulphur isotope results for disseminated, bedding-parallel veins and those perpendicular to bedding The carrollite-bearing samples indicate a strong clustering around +15 ‰ whereas the chalcopyrite and pyrite samples are decidedly less well grouped.

From Figure 6.1, the source of sulphur in chalcopyrite and pyrite is possibly evaporitic, as there is a strong negative trend

Discussion

The Central African Copperbelt has unique lithologies, metal ratios and timing of metal influx relative to sedimentation that has given rise to a highly complex sedimentary – mineralisation system (Cailteux, 1994). The ore deposits from the Central African Copperbelt share a mutual occurrence of syn-diagenetic and Red-bed type environments with other stratabound deposits such as the Kupferschiefer of Central Europe (Kirkham, 1996).

A variety of theories have been compiled to account for the syn-diagenetic and diagenetic hydrothermal hypothesis (Sweeney *et al.,* 1991). It is envisaged that metals were brought into the Katanagan basin by continental erosion of pre-Neoproterozoic material >850 Ma ago, Later fluids then stripped the metals from these Red Beds (Lerouge *et al.,* 2005; Hitzman *et al.,* 2010).

The origin of sulphur for the sulphides deposited in these environments has been shown to originate from reduction of seawater sulphates (SO_4^{2-}) and the dissolution of sulphates derived from evaporites (el Desouky *et al.,* 2010). Evaporite-derived sulphidation is indicative of the dissolution of evaporites from the Mines Series strata (Cailteux *et al.,* 1994; Jackson *et al.,* 2003). The Mines Series is classified as a sabkha environment (arid) in the Congolese Copperbelt, which has no apparent magmatism (Selley *et al.,* 2005; Kampunzu and Cailteux, 1999). This constrains the possible sources of sulphur for the Congolese Copperbelt to seawater sulphates hosted in the sedimentary rock of the Roan, or from the dissolution of evaporites (Ohmoto *et al.,* 1990).

Kinsevere and Ruashi sulphur isotopes

The sulphur isotope ratios for Kinsevere and Ruashi span from – 12.57 ‰ $\delta^{34}S$ to + 19.95 ‰ $\delta^{34}S$ (Fig 6.6). Where there are high amounts of organic matter in the samples, i.e. samples from SD and CMN, there is a systematically heavier sulphur isotopic ratio. Carrollite from the DStrat, RSF and base of the RSC (Lower Orebody) has similar sulphur isotopic values clustered around +15 ‰ $\delta^{34}S$. In contrast, the chalcopyrite which is predominantly sourced from the SD and basal CMN (Upper Orebody) are sparsely distributed around –10 ‰ $\delta^{34}S$. As a generalisation, chalcopyrite and pyrite show mostly negative values, whilst carrollite has predominantly positive values (Fig 6.6).

In the Central African Copperbelt strong stratigraphic paleoenvironmental controls on sulphur isotopes in the SD and CMN are indicated by the formation of early sulphides resulting from the bacterial reduction of sulphates (Fig 6.7) (Lerouge *et al.,* 2005). This is due to the abundance of organic matter in the SD and CMN.

The evaporite nodules show preferential mineralisation of chalcopyrite and pyrite. Carrollite is predominantly associated with a high $\delta^{34}S$ which may be derived from seawater sulphates (Rollinson, 1991). Two samples (red dots in Fig 6.6) exhibit an opposite trend to the majority of the samples of the same composition. These measurements may have a cumulative sulphur effect, where more than one sulphur source contributed to the sulphur isotope value, resulting in a false environment determination.

For Kinsevere and Ruashi, the source of sulphur associated with mineralisation is heterogeneous. This heterogeneity occurs in all generations of hypogene mineralisation, possibly indicating that all mineralisation was derived from the same sulphur source. The chalcopyrite has a variable distribution that is both negative and positive in comparison to the carrollite which has predominantly positive values.

Sulphur isotope analyses from Luiswishi documented by Lerouge et al. (2005) is compared to the results gathered from Kinsevere and Ruashi. The significance of this is that the Luiswishi deposit is part of the Lubumbashi district and will provide a suitable comparison to the sulphur isotopes from Kinsevere and Ruashi.

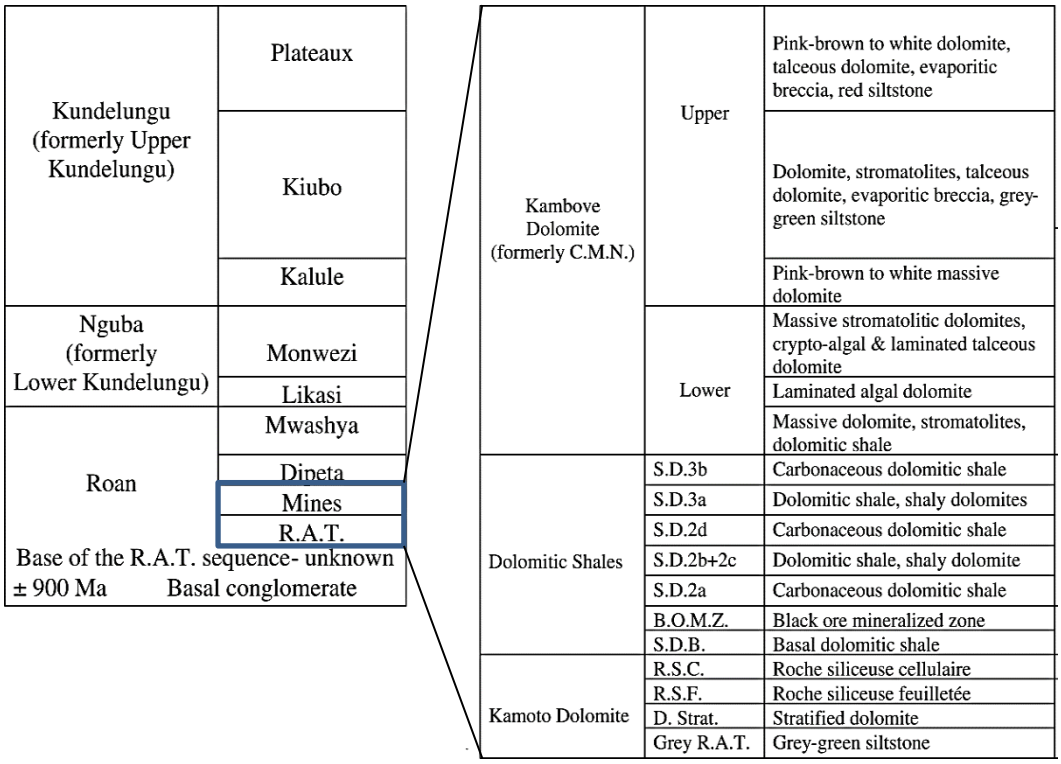


Figure 6.7: Focused stratigraphic column of the Roan Group strata (modified after Cailteux *et al.,* 2003). The upper RAT, DStrat, RSF, RSC, SD and CMN have been enlarged to indicate the position of the individual lithologies which make up the Mines Series.

Luiswishi

The Luiswishi mine is approximately 100 years old and is located 26 km NW of Lubumbashi, DRC (Lerouge *et al.,* 2005). Luiswishi pit has exposed the copper-cobalt bearing Mines Series, which has been documented to have experienced NE-directed thrusting during orogenesis (Kampunzu and Cailteux, 1999; Lerouge *et al.,* 2005). Lerouge *et al.,* (2005) identified the same transgressive dolomitic sequence in the GRAT, DStrat, RSF, RSC and SD units and a regressive dolomite marked by the CMN, as in Kinsevere Central pit and Ruashi pit 1, with abundant anhydrite and gypsum. These characteristics are indicative of evaporitic conditions (Lerouge *et al.,* 2005).

Sample selection was based on the freshness of the sample, where only very fresh samples from Luiswishi were selected from one drill hole (LSW1227). The analysis of one hole was chosen as all the representative lithologies from the Mines Series were mineralised with sulphides.

The data collected was plotted in Fig. 6.8, which identifies the chalcopyrite samples in the RSF, RSC, SD 2d and SD 2a respectively (Lerouge *et al.,* 2005). In Fig. 6.8 the carrollite is observed to be predominantly constrained to the top of the GRAT and DStrat units.

The $\delta^{34}S$ values from Luiswishi vary from -14.4 to +17.5 ‰ which is indicative of a paleoenvironment that derived sulphur from bacterial reduction of sulphate (Lerouge *et al.,* 2005). This was related to an early diagenetic sedimentation in a shallow marine or lacustrine setting (Lerouge *et al.,* 2005). The evaporitic nodules from the Mines Series indicate a seawater source of sulphur with possible hydrothermal interaction (Lerouge *et al.,* 2005). This hydrothermal interaction could possibly account for the veins from the deposits having comparable signatures to the red-bed seawater sulphur signatures.

Lerouge *et al.,* (2005) indicated that the values for both chalcopyrite and carrollite decreased from DStrat to SD 3a (Fig 6.8), at which point they underwent a reversal and increased to SD 3b (Fig 6.8). The reversal has been interpreted as a eustatic change which saw the system transition into a period of regression (positive values) from a period of transgression (negative values) (Cailteux, 1994). It was reasoned that the large distribution in sulphide $\delta^{34}S$ values centred on zero are related to stratigraphic controls on the sulphur isotope signature.

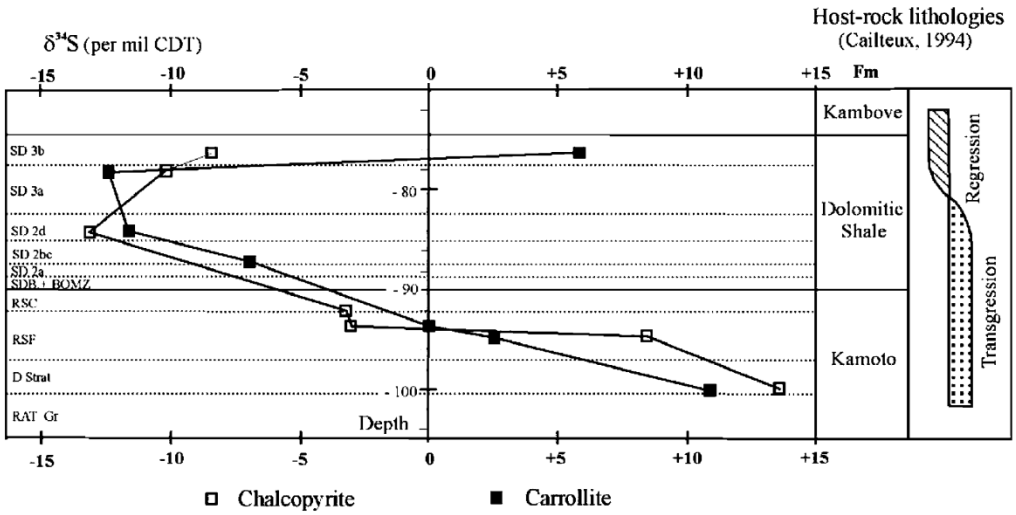


Figure 6.8: Sulphur isotopic composition of chalcopyrite and carrollite for the Mines Series Subgroup, (after Cailteux, 1994 and Cailteux *et al.,* 2003). The variation in the trend is attributed to the eustatic change which highlights a transition from transgression to regression in the Katanga basin.

By comparing the isotopic composition for Kinsevere and Ruashi against the results for Luiswishi, it is possible to identify the same variable data distribution attributed to marine transgression and later

regression or as a function of stratigraphic depth (Lerouge *et al.,* 2005). This sulphur isotopic trend further implies that the evolution of the sedimentary basin in the Lubumbashi district is comparable with deposits from the Congolese Copperbelt which also indicates a marine transgression followed by regression in the Mines Series (Cailteux, 1993; Lerouge *et al.,* 2005). Further interpretation of the stratigraphic controls indicates that there is a bacterial reduction of marine sulphates during sedimentation and early diagenesis in a shallow marine or lacustrine environment within the Lubumbashi district (Lerouge *et al.,* 2005). Chalcopyrite and carrollite sulphur isotopes taken from the SD and CMN, with large amounts of organic matter, produced a systematic reversal in the isotopic fractionation, as a result of the bacterial sulphate reduction reaction which is identified in the samples from Kinsevere , Ruashi and Luiswishi (Lerouge *et al.,* 2005; Cailteux, 1994).

The sulphides are interpreted to originate either from direct reduction of seawater sulphate SO_4^{2-} or the dissolution of evaporites (cf. El Desouky *et al.,* 2010). The latter is indicated by the presence of evaporitic nodules and layers in the Lower Roan Group sediments (Cailteux *et al.,* 1994; Jackson *et al.,* 2003).

By comparing the Kinsevere and Ruashi results it is possible to identify two potential sulphur sources in the Katangan Basin (Selley *et al.,* 2005; Sweeney and Binda, 1989). The Congolese samples indicate a strong relation to sedimentary and evaporitic sulphide sources. There is a strong possibility that the initial sulphur source was mainly seawater sulphates preserved in the sedimentary succession (continental Red Beds). In the Congolese Copperbelt the formation of extensive evaporite beds and the absence of large scale magmatism might have favoured an alternative source for the sulphur (Hitzman *et al.,* 2010). The basinal fluids circulating within basin traps possibly sourced sulphur from the evaporites. It is improbable that all the sulphur was derived from in situ dissolution of evaporitic nodules, given the very small amount of pseudomorphosed nodules that were observed throughout the mine, contrary to the interpretation of Sweeney *et al*. (1986). It is also unlikely that reduced sulphur and reaction products of sulphate reduction were capable of being transported for long distances (Haest *et al.,* 2009; Muchez *et al.,* 2008), hence, if extra sulphur was added to the system, it was likely to have been reduced in situ.

Conclusion

By comparing deposits that are spatially displaced by no more than 50 km from each other in the DRC, it is possible to deduce the possible sulphur source for the Lubumbashi district.

Comparing the different types of mineralisation styles in the Kinsevere and Ruashi deposits, it is possible to identify that disseminated sulphides tend to have a diagenetic sedimentary sulphur

source related to the initial Neoproterozoic formation of the RAT. The similar sulphur isotope values of the stratiform and vein hosted sulphides related to Luiswishi were interpreted as an in situ recrystallisation/minor remobilisation of sulphides which did not attain isotopic equilibrium between the chalcopyrite-carrollite sulphide phases, nor did they originate from an external source during the Lufilian Orogeny (Lerouge *et al.,* 2005). This means that the origin of the vein hosted sulphides can be attributed to remobilisation of the primary mineralisation during the tectonometamorphic events of the Pan- African Orogeny (Kampunzu and Cailteux, 1999; Cailteux *et al.,* 2005; Lerouge *et al.,* 2005). This is purely speculative as the results from Luiswishi indicate that there is no strong evidence of a specific, single source for the sulphides.

Lerouge *et al.,* (2005) indicated a eustatic transition phase from transgression to regression during the deposition of the SD unit which created a sulphur isotope reversal in the chalcopyrite and carrollite, however, the fact that there is a progressive decrease across a range of isotopic values could validate the need for multiple sulphur sources in the system.

As a generalisation, sulphides sourced sulphur either from evaporites or organic matter within the sediments. Multiple sources of sulphur are plausible due to the close association between diagenetic sedimentary and later evaporite derived sulphur. Kinsevere and Ruashi formed in transgressive marine environments and are related to moderately low temperature brine circulation.

A lithostratigraphic control on the sulphur isotopic values is another possible line of evidence for a multiple sulphur source. Progression up through the Mines Series from the base emphasises the change in chemical composition of the sedimentary material (dolomites » shales). In addition to this, the likelihood of all the sulphur needed to produce the large degree of mineralisation observed being transported over large lateral distances (Haest *et al.,* 2009; Muchez *et al.,* 2008) is unlikely, and therefore an in situ reduction reaction between the reduced strata (SD and CMN) and the circulating fluids must have occurred during deposition.

Therefore the exact sources of sulphur in the Katanagan Basin are still not clear, although they can be constrained to three possibilities. The Congolese Copperbelt has an evaporitic and sedimentary, red-bed sulphur isotope signature. The source of sulphur is likely to be a combination of the respective environments.

Chapter 7

Discussion

Stratigraphy in the Lubumbashi district

The stratigraphy in the Lubumbashi district is comparative to what has been identified throughout the deposits in the Congolese Copperbelt. In this study, pit mapping of Kinsevere Central pit identified only the RAT, DStrat, SD and CMN units of the Mines Series (Fig. 7.1). The absence of the RSF and RSC dolomites is interpreted to be a change in sedimentation rate, bypassing the deposition of the RSF and RSC. This idea is adapted from Hitzman, (2010) who first identified a eustatic change in the Kinsevere deposit. A possible cause for the change in sedimentation rate has been attributed to the factors such as tectonic subsidence and erosive surface boundaries from a fall in the relative sea level (Bull *et al.,* 2010).

The mapping of Ruashi pit 1 identified the entire succession of the Mines Series (Fig. 7.2). The RSF and RSC units are preserved but in comparison to what is documented in the literature, these units are considerably thinner. Relating the change in sedimentation rate identified at Kinsevere to the Ruashi deposit, which is approximately 50 km away, could account for the poorly formed, thin dolomitised layers

Despite the absence of the RSF and RSC units from the Kinsevere deposit, the stratigraphy from the Ruashi mine and Kinsevere Mines are comparatively similar. The RAT, DStrat, SD and CMN are comparable in both lithological characteristics and thicknesses. The RSF and RSC units are well preserved in both the sulphide and oxide facies within Ruashi 1. Both units vary in width between 3-10 m.

In comparison to other deposits, such as Tenke-Fungurume, there are subtle contrasts to Kinsevere Mine and Ruashi Mine. Figure 7.3 illustrates the stratigraphy in a typical Congolese type deposit (Schuh *et al.,* 2012). Schuh *et al.,* (2012) indicated that the Mines Series Subgroup is predominantly composed of siltstones, dolomites, haematitic breccias with evaporites distributed throughout. Compositionally the Mines Series from Tenke-Fungurume and the Mines Series in this study is comparable. The only significant variations in the observations from Tenke-Fungurume and Kinsevere and Ruashi, is the thicknesses of the units and degree of silicification. The RSF and RSC from Tenke-Fungurume range in thickness from 8 -12 and 20- 30 m respectively (Schuh *et al.,* 2012). By comparison the RSF and RSC units in Ruashi rarely exceed 3 m. This is probably due to the same

sedimentary change that resulted in the RSF and RSC units not being preserved in Kinsevere and thinly preserved in Ruashi (Bull *et al.,* 2010).

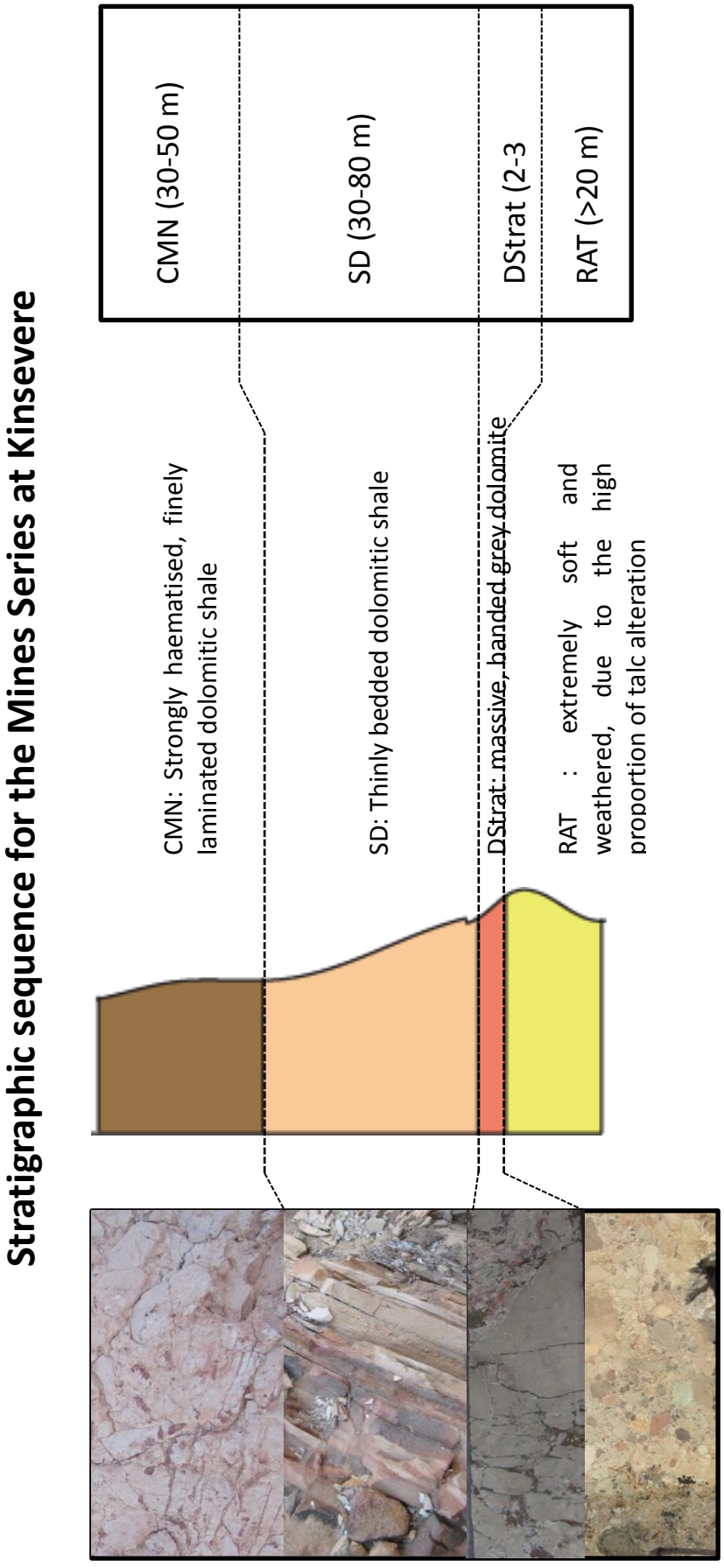


Figure 7.1: The stratigraphy of the Mines Series in the Kinsevere deposit

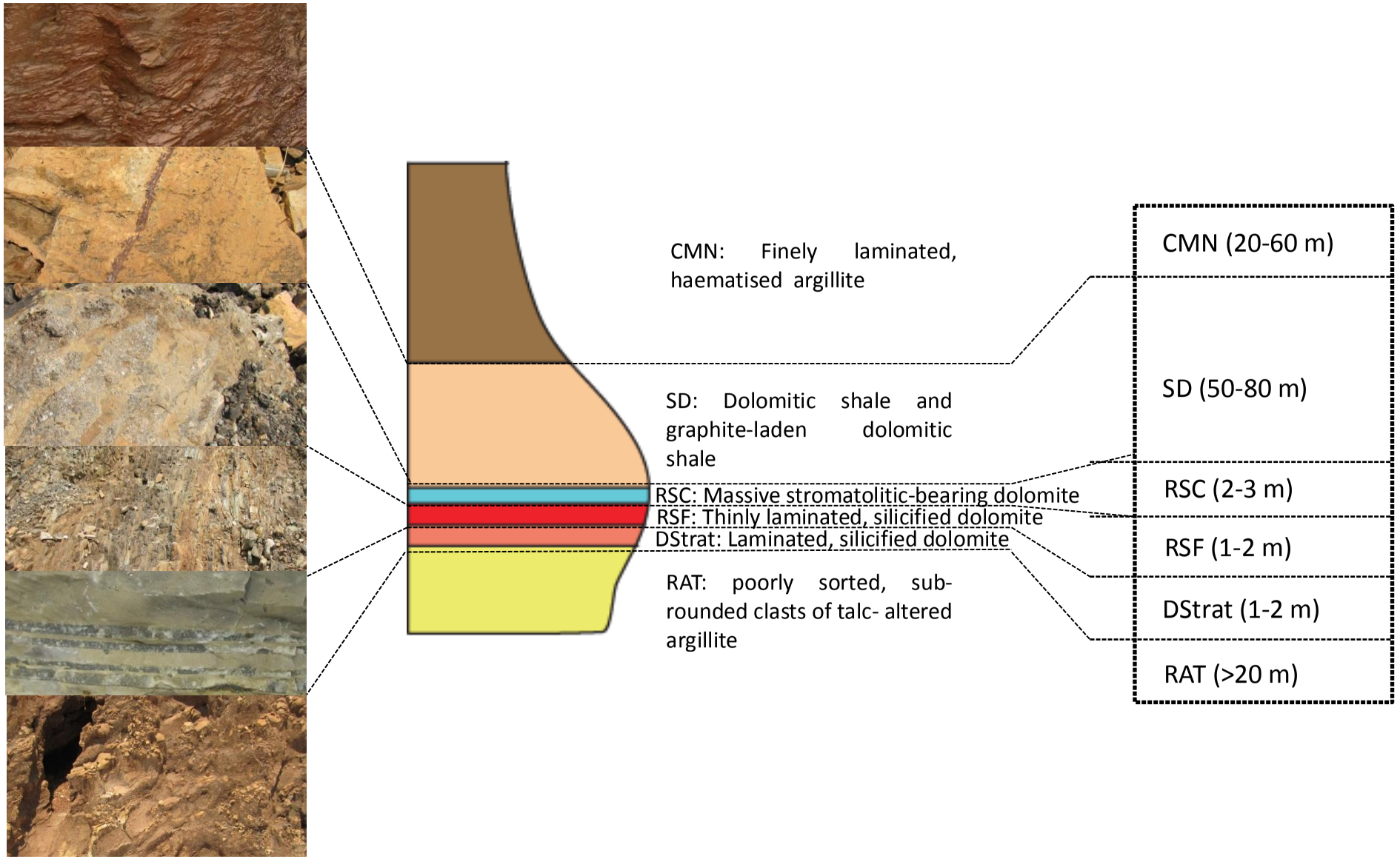


Figure 7.2: The stratigraphy of the Mines Series in the Ruashi deposit

The Lufilian Orogeny has been divided into the Kolwezian, Kundelungan and Monwezian

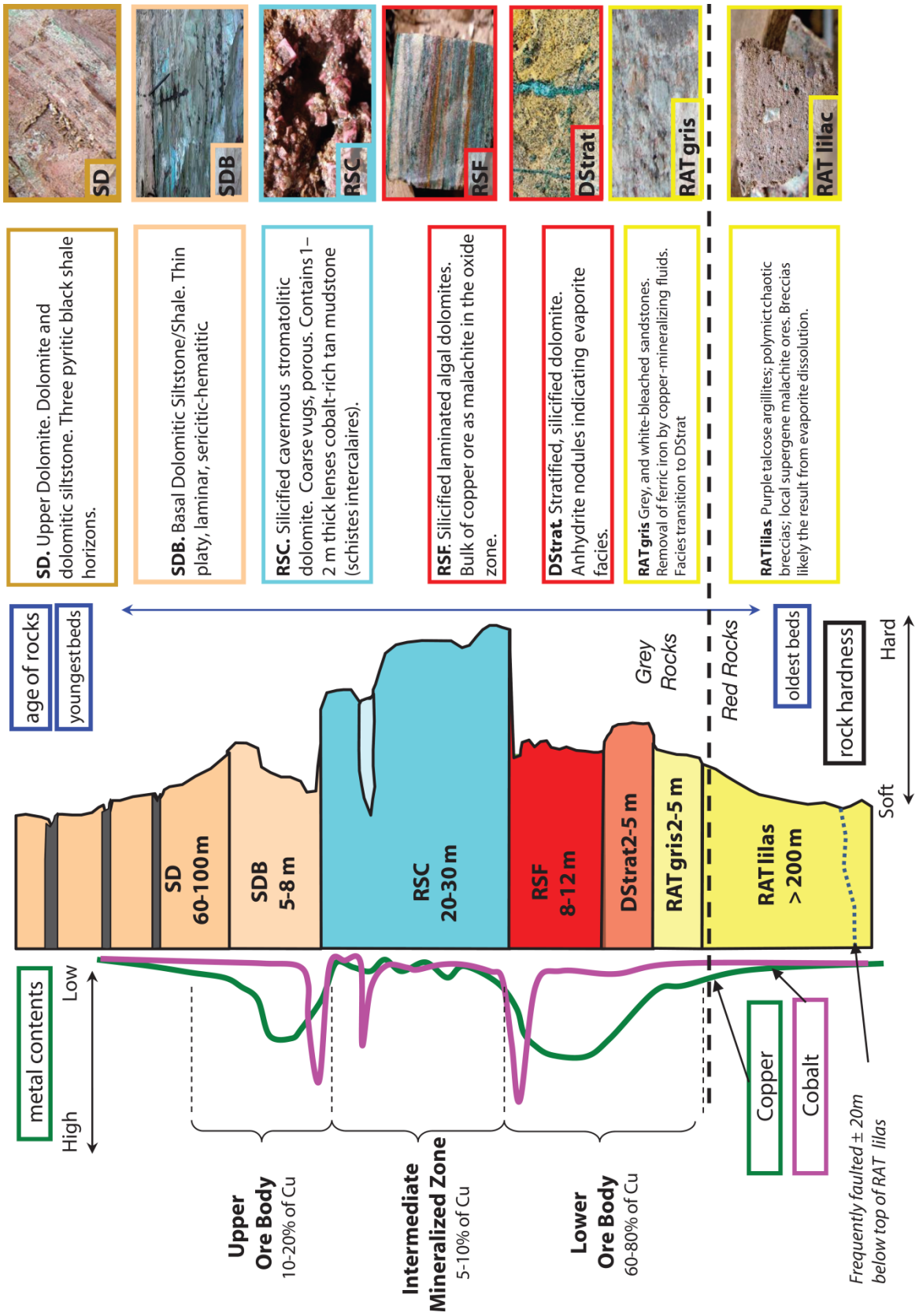


Figure 7.3: The typical stratigraphy of the Mines Series in the Congolese Copperbelt (after Schuh *et al.,* 2012).

deformation events which span from 580 Ma to 520 Ma (Cahen *et al.,* 1984; Porada and Berhorst, 2000). Of these deformation phases the Kolwezian and Monwezian have been identified to be the deformation events most prominent in the Kinsevere and Ruashi deposits.

Localised Kolwezian deformation in the Lubumbashi district

The Kolwezian deformation event is associated with NE-vergence and thrusting of the sedimentary rocks from the Katanga Supergroup (Cahen *et al.,* 1984; Porada and Berhorst, 2000). The age of this deformation phase is approximately 580 Ma (Cahen *et al.,* 1984). Within Kinsevere Central pit and Ruashi pit 1 the folds that are interpreted to result from this deformation event are generally asymmetric and inclined towards the northeast in the eastern portion of the pit. The overall effects of the Kolwezian deformation event are believed to be responsible for the localised E-W shortening direction in the Lubumbashi district which resulted in the N-S trending fold axis in Kinsevere Central pit and NW-SE trending fold axis in Ruashi pit 1. In this study the Kolwezian deformation event is believed to have thrust the sediments into a sub-parallel position to the respective fold axes during the strong crustal shortening.

Localised Monwezian deformation in the Lubumbashi district

The Monwezian deformation event is associated with regional NW-SE shortening on the eastern portion of the Lufilian Arc approximately between 690 and 540 Ma (François, 1973; Kampunzu and Cailteux, 1999, and Batumike *et al.,* 2007). These ages contradict the ages suggested by Cahen *et al.*, 1984, and Porada and Berhorst, 2000, who suggested that the three deformation events post-dated 580 Ma. The Monwezian deformation event is believed to have reoriented the shortening direction within the Lubumbashi district into N-S, and was responsible for the eastward ejection of the eastern portion of Kinsevere Central pit. This is supported by Kipata et al., (2013) and Kazadi *et al.,* (2012) who identified the same eastward ejection in the Kinsevere pit, attributing it to the activation of a strike-slip fault during the Monwezian phase of deformation (Fig 7.4). The N-S shortening direction is identified in this study to have resulted in the formation of the two joint sets in the Kinsevere Central pit and Ruashi pit 1. The formation of the joints, unmineralised and mineralised veins has been interpreted as the result of localised Kolwezian and Monwezian deformation respectively. Due to the fact that the mineralised veins are a late stage feature associated with the formation of the second set of joints, vein-mineralisation is considered to be approximately 540 Ma. This deduction is consistent with the secondary mineralisation attributed to the Monwezian event by Kampunzu *et al.,* (2009) and El Desouky *et al.,* (2009).

The Kinsevere Central pit and Ruashi pit 1 have experienced significant structural deformation, however, there is very little evidence to suggest a structural control on mineralisation. From analysis of the Kinsevere and Ruashi deposits the only significant control on mineralisation is from veining and supergene mineralisation.

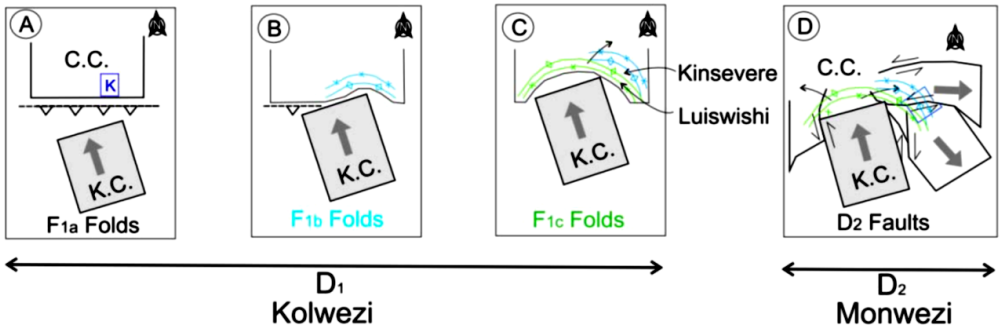


Figure 7.4: The progressive indentation of the Kalahari craton into the Congo craton that resulted in the eastward ejection of material in the eastern portion of the Lufilian Arc (after Kazadi *et al.,* 2012; Kampunzu and Cailteux, 1999)

Structural setting of Lubumbashi

The transportation of the strata in the Lufilian Arc is described by Wendorff, (2000) to be the result of movement along the basal RAT in a synorogenic olistostrome, forming a megabreccia. By contrast Kampunzu *et al.,* (2005) proposed that the RAT is a normal arkosic sedimentary unit. Alternatively, the role of halokinesis was used to account for the formation of megabreccias as large crustal blocks that were able to utilise the underlying salt layer as a plane of decollement (Jackson *et al.,* 2003). Despite the fact that halokinesis is widely accepted as the most likely mechanism that allowed for the translation of the Katangan Supergroup stratigraphy, this study found little evidence in Kinsevere Central pit and Ruashi pit 1 to suggest significant salt diapir influences.

A recent synthesis of the effect of halokinesis is depicted by Hitzman *et al*., (2012), where diapiric upwellings formed large-scale breccias in the RAT (Fig. 7.5). Although it is not the current idea of this study Hitzman *et al*., (2012) has indicated that halokinesis is present in the eastern arm of the Lufilian Arc.

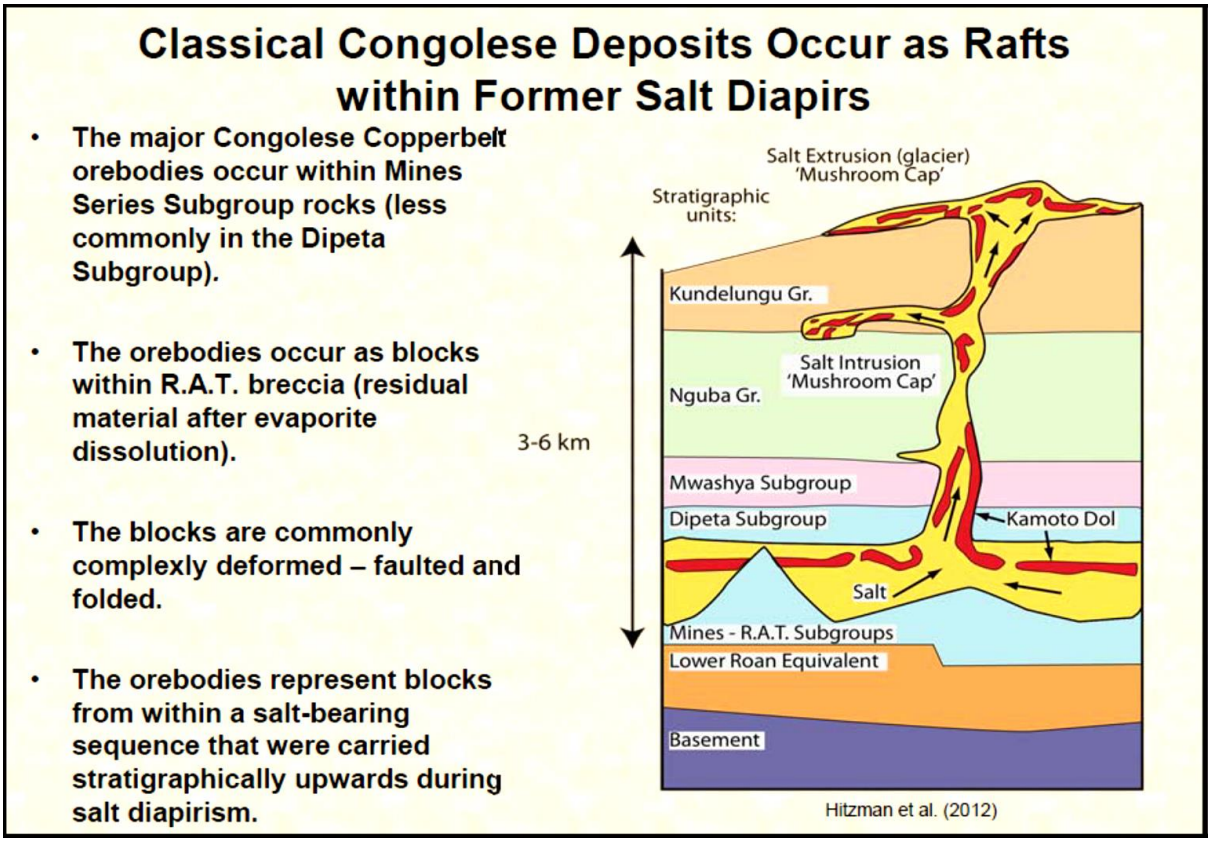


Figure 7.5: The idealised cross section of halokinesis carrying blocks of Mines Series subgroup sediments (Hitzman et al., 2012).

Mineralisation

The nature of the stratbound mineralisation in the Congolese Copperbelt is believed to be the result of host rock dissolution and the subsequent infill with mineralised fluids (Hitzman *et al.,* 2010). Crucial in the development of the lower and upper orebodies is the occurrence of a REDOX interface along which precipitation could occur (Cailteux *et al.,* 2005). Schuh *et al.,* (2012) noted that the bulk of mineralisation associated with REDOX interfaces occurred between the red, oxidised beds of the RAT and the overlying grey, reduced carbonates of the Mines Series. Furthermore Schuh *et al.,* (2012) indicate that the REDOX interface between the RAT Group and overlying Mines Series occurs across the entire Central African Copperbelt.

In the Kinsevere and Ruashi deposits mineralisation is identified to be a multi-phase process. The first sulphide mineralisation occurred during initial diagenesis that resulted in disseminated stratabound copper and cobalt. Overprinting the disseminated sulphides are two generations of mineralised veins. Mineralised veins initially intruded the host rock in a bedding-parallel fashion, followed by bedding-perpendicular veins. These three mineralisation events are interpreted to be related to hypogene processes. A potential late-stage sulphide mineralisation phase is identified in evaporite-bearing units of the Mines Series, where mineralised evaporites are commonly scapolitised and rimmed by pyrite and chalcopyrite. As a generalisation the primary sulphide mineral assemblage in the Kinsevere and Ruashi deposits is chalcopyrite, chalcocite and carrollite. Vein-hosted sulphides are predominantly composed of carrollite and chalcopyrite, however, there is a high degree of alteration associated with these sulphides resulting in bornite and covellite around the edges of the host copper sulphide minerals. These mineralisation phases are interpreted to be the result of hypogene processes. In addition to hypogene mineralisation, supergene mineralisation is also found in the Kinsevere and Ruashi pits. Supergene mineralisation is believed to represent the late stage oxidation of pre-existing sulphides. Supergene mineralisation commonly results in the formation of malachite, azurite, chrysocolla and cuprite. These minerals are commonly found in the oxide facies, at a relatively shallow depth.

The accepted evolution of mineralisation associated with Congolese mineralisation is believed to have two phases of hypogene mineralisation succeeded by supergene mineralisation (Table 7.1) (Schuh *et al.,* 2012). Hypogene mineralisation is regarded as stratabound disseminated mineralisation that formed before and during the Lufilian Arc (Cailteux *et al.,* 2005; Hitzman *et al.,* 2010; Hitzman *et al.,* 2012). There is no general agreement as to the formation of this primary mineralisation, however, evidence strongly suggests that the disseminated sulphides associated with diagenesis are the result of REDOX reactions between reduced and oxidised lithologies (Hitzman, 2010; Hitzman *et al.,* 2012). Two orebodies exist in the deposits. The Lower orebody is present in the strongly mineralised DStrat RSF, and RSC (Fay and Barton, 2011). The upper orebody is found in the SD and base of the CMN (Fay and Barton, 2011).

The second phase of mineralisation is vein-hosted mineralisation, which has a ~~high degree of~~ large variety of ore minerals associated with is. The veins are identified to overprint the diagenetic sulphide event with cross-cutting veins related to the Lufilian Orogeny (Schuh *et al.,* 2012).

Table 7.1: Comparison of numerous copper deposits that have similar geological and metallogenic characteristics (modified after Fay and Barton, 2011). The table compares alteration and mineralisation

Deposit	Place	Lithology	Mineralization type	Diagenesis	Alteration types	Supergene features
Mambilima and Kansalawile	Katanga	Subequal carbonate and clastic	Two sulfide phases	Anhydrite, early dolomite	Dolomite and silica added	Leaching, oxidation± transport, enrichment
Kamoto	Katanga	Carbonate≥clastic	Two sulfide phases, or one+remobilization	Anhydrite, gypsum, early dolomite	Dolomite and silica added	Oxidation and enrichment
Musonoi	Katanga		"Several" sulfide phases			
Luiswishi	Katanga	Subequal carbonates and clastics	Two sulfide phases, or one+remobilization	Anhydrite, gypsum, early dolomite	Dolomite and silica added	Oxidation in fractures and bedding planes

Supergene mineralisation is a late stage process, commonly related to oxidation, defined by the oxide facies (Schuh *et al.,* 2012). The oxide facies predominantly host copper oxides and carbonates including malachite, azurite, chrysocolla, cuprite and native copper. The majority of mines in the Congolese Copperbelt are exploiting this supergene oxidised facies copper both because it is at the surface and is a higher grade than the sulphide-bearing sediments (Schuh *et al.,* 2012; Cailteux *et al.,* 2005; Fay and Barton, 2011).

Alteration in the Lubumbashi district

The possible association between mineralisation and alteration is a powerful indicator for future exploration and mining.

In this study the alteration within the Kinsevere and Ruashi deposits is concurrent with the mineralisation events. It is difficult to relate mineralisation to a particular alteration phase due to the pervasive nature of alteration. Early diagenetic processes promoted the formation of locally abundant calcite and dolomite in the argillites, carbonates and carbonaceous dolomites of the Roan Group, later becoming silicified. The potassic alteration appears to be predominantly hosted between the RAT and SD lithologies. The magnesian phase is largely associated with dolomitisation associated with pervasive chlorite and talc-rich alteration in all units. The potassic and magnesian alteration phases are pervasive and both occur throughout the Mines Series. The equivalent alteration phase to sodic alteration in the Kinsevere Central pit and Ruashi pit 1 is albitisation. A late phase alteration identified in Kinsevere Central pit and Ruashi pit 1 is scapolitisation. Scapolitisation is observed to be intimately associated with the evaporites in the Mines Series.

Within the Congolese Copperbelt the onset of hydrothermal alteration is highlighted by a phase of potassic alteration (Hitzman *et al.,* 2010). The potassic alteration is predominantly found in the upper and lower orebodies that comprise the RAT, DStrat, RSF, RSC, SD and CMN (Hitzman *et al.,* 2010). Major deposition of copper sulphides is believed to have been coincident with potassic

alteration (Hitzman *et al.,* 2010). Dissmeinated magnesian alteration in the Mines Series (Fay and Barton, 2011; Hitzman *et al.,* 2010) followed whereas the sodic alteration phase is restricted to vein systems making it is less evident on a regional scale (Hitzman *et al.,* 2010). In this study sodic alteration is believed to be represented by albitisation in and around veins from Kinsevere Central pit and Ruashi pit 1. Evaporitic nodules formed prior to lithification in the DStrat, RSF, RSC and SD, indicating that these units were deposited in an arid (sabkha) environment (Fay and Barton, 2011; Kirkham, 1989; Muchez *et al.,* 2008). The evaporitic nodules were originally composed of anhydrite that later became replaced by quartz and calcite (Warren, 2006; Fay and Barton, 2011).

Source of Sulphur in the Lubumbashi district

The source of sulphur that resulted in the mineralisation of the Katangan Basin has been poorly defined. A combination of theories has been suggested including syn-diagenetic and diagenetic hydrothermal hypotheses. These models link the influx of metals into the Katanagan basin by continental erosion of >850 Ma pre-Neoproterozoic material to produce continental Red Beds (Lerouge *et al.,* 2005; Hitzman *et al.,* 2010). The basin architecture is considered to be an important component in the mixing of metal-laden fluids RAT and reducing carbonates (in parts organic carbon bearing) of the Mines Series (Renfro, 1974; Cailteux, 1986; Lerouge *et al.,* 2005; Hitzman, 2010). The syn-diagenetic comparison of this model and Kupferschiefer / Red Bed - type deposits are largely

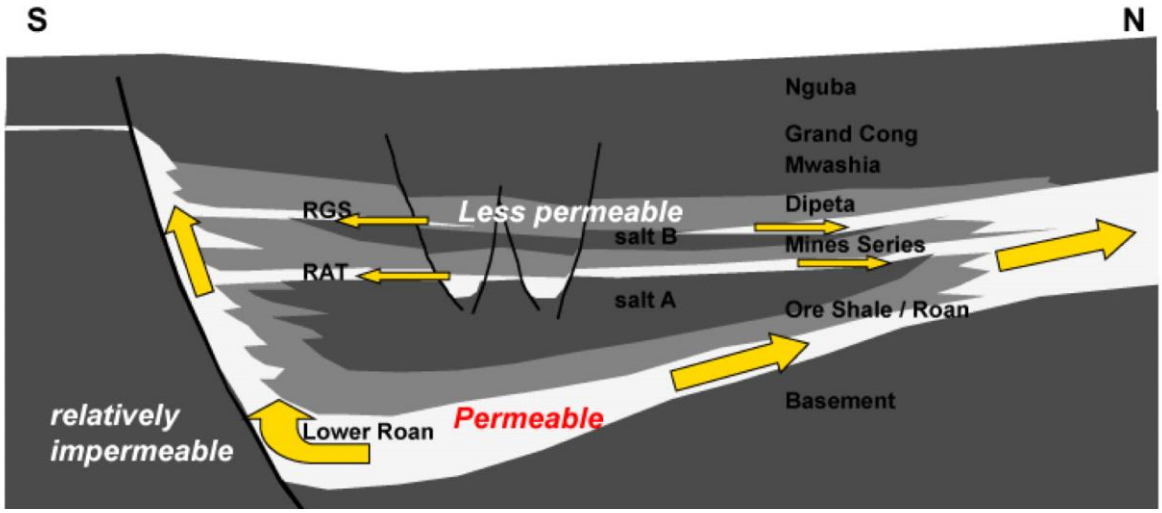


Figure 7.6 .Idealised cross-section of the basin architecture required to produce the mineralisation in the Central African Copperbelt (after Hitzman, 2010). The yellow arrows represent the respective fluid movements within the basin.

similar and provide substantial evidence for a modified model as presented in Fig. 7.6.

The results of the sulphur isotope analysis in this thesis indicate that there is strong possibility of a combination of sources both from early Red Beds and later evaporitic dissolution. The sulphur ratios produced an array of results across the sedimentary and evaporitic portion of the palaeoenvironment determination graph proposed by Coleman (1977). The late stage evaporitic dissolution that led to the sulphur being made available for mineralisation is evidenced here in this study by the strong correlation between evaporite, scapolite and pyrite-chalcopyrite mineralisation. Table 7.2 summarises the similarities and differences between the Kinsevere Central pit and Ruashi pit 1 so that diagnostic features and aspects are more clearly indicated.

Table 7.2: The Kinsevere and Ruashi mines have been contrasted against each other to indicate similar and different characteristics between the two mines in Lubumbashi district.

Kinsevere	**Aspect**	**Ruashi**
Missing RSC and RSF	**Stratigraphy**	Full Mines Series
NNW-SSE trending fold axis for syncline (pit-scale)	**Folding**	NW-SE trending fold axis for the antiformal syncline (pit-scale)
Orthogonal sets	**Jointing and Veining**	Orthogonal sets
Poorly constrained	**Faulting**	Poorly constrained primarily S dipping faults
Stratiform – pre to syn-orogenic Vein – syn to post-orogenic	**Mineralisation**	Stratiform – pre to syn-orogenic Vein – syn to post-orogenic
Dolomitisation, potassic alteration, haematisation, chloritisation and scapolitisation	**Alteration**	Dolomitisation, potassic alteration, silicification, haematisation, chloritisation and scapolitisation
Red-Beds and evaporite sulphur source	**Sulphur isotope study**	Red-Beds and evaporite sulphur source

Deposits across the Lufilian Arc

To set the style and nature of mineralisation into context for the Kinsevere and Ruashi deposits it is necessary to compare and contrast them against other well documented deposits from the Congolese Copperbelt. A series of deposits have been selected for comparative purposes based on their mineralisation styles and position in the Lufilian Arc (Fig. 7.7). They are discussed briefly in terms of mineralisation and defining characteristics which have been identified in each.

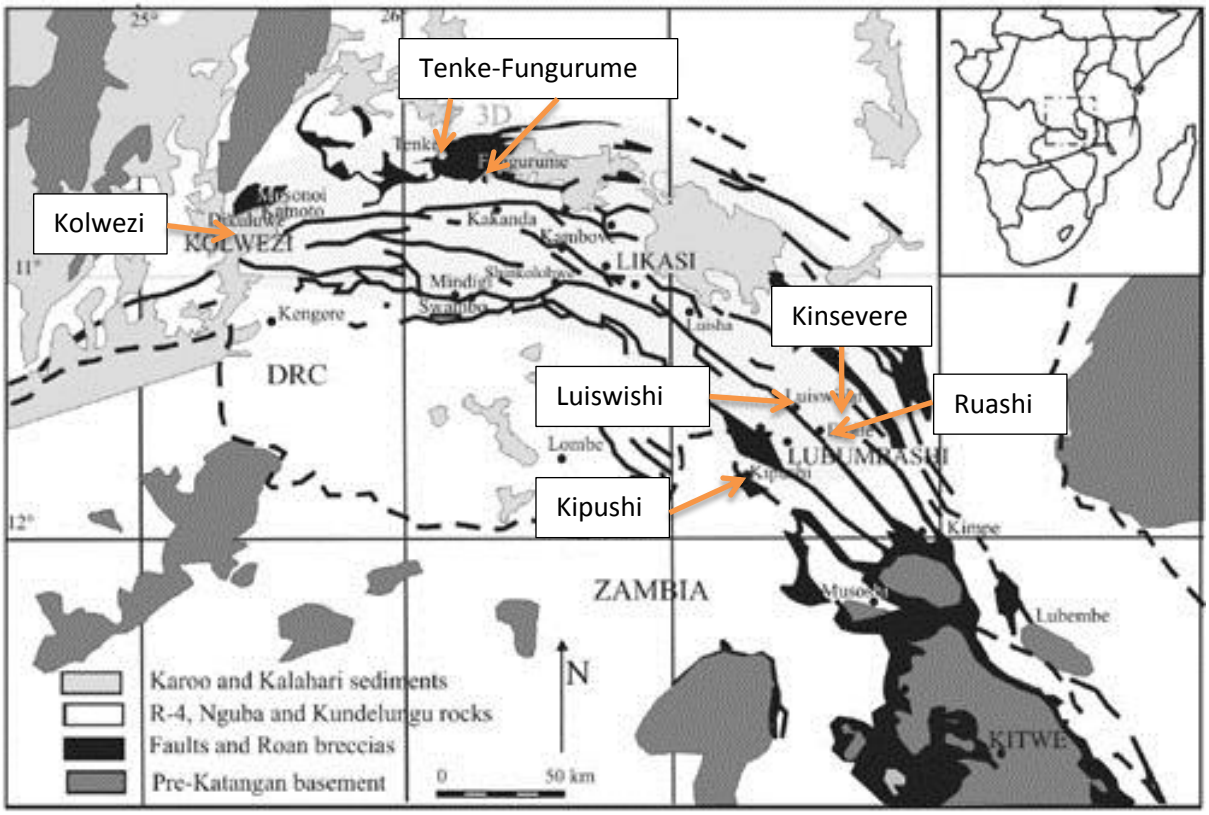


Fig.7.7: Map of the Lufilian Arc with cities and mine localities (modified after François, 1974). The relative mines have been highlighted to illustrate the distribution of the deposits.

Kolwezi

The Kolwezi district hosts the largest mapped cluster of Mines Subgroup meta-sedimentary rocks in the Lufilian Arc and as a result it contains nearly half of the known Mines Series copper-cobalt resources in the CCB (Hitzman *et al.,* 2005).

The District is located on the NW-limb of the Lufilian Arc, DRC, hosted in the meta-sedimentary rocks of the lower Roan Group from the fold and thrust terrain of the Kolwezi district (Hitzman *et al.,* 2005). The folds trend E-W and NW-SE, but have been thrust by high angle reverse faults.

Mineralisation in the Kolwezi deposit is preserved in a folded allochthonous sheet along the western limb of the Congolese Copperbelt, adjacent to the Nzilo basement (Demaesmaeker *et al.,* 1963; Francois, 1973; Jackson *et al.,* 2003). The Kolwezi deposit has two distinct facies related to mineralisation, much the same as with the Kinsevere and Ruashi deposits. The oxide facies hosts malachite and heterogenite, whereas the sulphide facies hosts chalcocite, bornite, chalcopyrite, carrollite and pyrite. The oxide facies extends 220 m below the surface (Hitzman *et al.,* 2005). The Kolwezi deposit is a typical Congolese Copperbelt type deposit that can attribute its mineralisation to the Kolwezi Dome (Hitzman *et al.,* 2005) since the Dome is believed to have hydrothermally upgraded the deposit due to the higher heat flow associated with the igneous intrusions (Hitzman *et al.,* 2012). The elevated heat flow from igneous intrusions is not considered to be the classical mineralisation style, however, intrusions have localised basin brine circulation leading to larger more well-mineralised deposits (Hitzman *et al.,* 2012).

Tenke-Fungurume

The Tenke-Fungurume district preserves the classical Congolese type mineralisation. As with the Kolwezi deposit, the Tenke-Fungurume deposits are attributed to a domal feature that has been subjected to the folding and faulting during orogenesis (Schuh *et al.,* 2012; Hitzman *et al.,* 2012). Complex alteration sequences identified in the district are observed in the form of multiple silicification and dolomitisation processes (Fay and Barton, 2011). Mineralisation in the Tenke-Fungurume district is concentrated in the lower and upper orebodies of the Mines Series. Supergene mineralisation occurs in the topography-controlled oxide facies which varies from 50-100 m in depth, as determined by the exposure to the atmosphere (Fay and Barton, 2011). The lower orebody is hosted in the DStrat, RSF and RSC respectively. The upper orebody is preserved in the SD and base of the CMN shales at the top of the Kambove Formation (Fay and Barton, 2011). Hitzman *et al.,* (2012), noted that the host lithologies have undergone complex diagenetic-hydrothermal alteration and mineralisation. This alteration cannot be linked directly to the tenor of the host lithologies, however as a broad generalisation the mineralisation occurred during late alteration. In the Tenke and Fungurume deposits the dominant ore-bearing minerals of the oxide facies are malachite, azurite, heterogenite and chrysocolla (Fay and Barton, 2011). The copper- and cobalt-bearing sulphides were deposited in the sulphide facies within the carbonaceous shales and carbonates, as disseminated grains of chalcocite, minor carrollite, cobaltian dolomite and spherocobaltite (Fay and Barton, 2011). These disseminated sulphides are preferentially concentrated along the bedding planes due to the relative ease with which fluids permeated and dissolved the host rock (Hitzman *et*

al., 2012). Mineralisation has also been identified in veins that have penetrated the rock in a random fashion.

Luiswishi

The Luiswishi copper and cobalt deposit has been likened to the Kamoto deposit to the west of Musonoi in Katanga Province, DRC. The ore in the Luiswishi mine is generally oxidised and hosted in the lower Kambove Formation (François, 1974). The deposit is again characterised by two distinct ore phases. The initial phase is an early diagenetic fine-grained phase that is lenticular in shape and hosts pre-lithification evaporitic nodules (El Desouky *et al.,* 2009, 2010). The second phase consists of coarse-grained, post-lithification veins which cross-cut carbonaceous shales and carbonates (El Desouky *et al.,* 2009, 2010). The hypogene copper and cobalt sulphide mineralisation is hosted by chalcopyrite, carrollite, bornite and chalcocite. Hypogene mineralisation is deposited as either disseminated, fine- to coarse-grained precipitates, or in veins of variable thickness (Cailteux and Kampunzu, 1995). In addition to this, the mineralisation is also present in discordant breccias in the Mines Series which, according to Cailteux and Kampunzu (1995) are "monogeneous breccia". The monogeneous breccia is a direct result of the Lufilian Orogeny, but more specifically the tectonic breccia which formed during the formation of the fold-and-thrust belt.

Kipushi

The Kipushi deposit is a zinc-, copper- and lead- vein-hosted deposit that results from remobilisation of pre-existing mineralisation. The Kipushi deposit is atypically hosted above the traditional Mines Series of the Roan Group in the overlying Nguba Group (deMagnee and Francois, 1988). The Nguba Group is approximately 620-750 Ma, whereas the Roan Group is 750-880 Ma in age (Cailteux, 2003; Schuh *et al.,* 2012). This implies that the crosscutting vein networks commonly seen throughout the DRC occurred after the disseminated phase which resulted from dissolution (Intiomale, 1983; Intiomale and Oosterbosch, 1974; De Magnée and François, 1988; Tshileo *et al.,* 2003).

The Kipushi deposit is structurally controlled by thrust faults which allowed for the remobilisation and upgrading of zinc, copper and lead from a deeper source. The faults connected the sulphide source in the underlying Roan Group to the Nguba Group where mineralisation is currently preserved (Intiomale, 1983; Intiomale and Oosterbosch, 1974; De Magnée and François, 1988; Tshileo *et al.,* 2003).

The mineralisation in the deposit is complex, with different ore types illustrating zonation according to depth and proximity to a fault (Intiomale, 1983; Cailteux, 1988; 1992). From surface, the deposit is characteristically zoned into distinct assemblages. From the base of the deposit, lead and zinc ores are found rimmed by pyrite and arsenopyrite (Fig 7.8) (Intiomale, 1983; Cailteux, 1988; 1992). Directly above this there is an introduction of copper into the assemblage at the expense of the lead. The resulting assemblage is therefore a zinc and copper orebody that is lenticular in shape, paralleling the Kipushi fault. The base of the overlying Kipushi formation hosts an accumulation of zinc ore without copper or lead. The upper extent of the Kipushi Formation is characterised by the re-introduction of copper to the zinc-dominated succession. The upper extreme of the deposit hosts only copper ores with no zinc or lead sulphides present in the carbonaceous shales of the Katete Formation (de Magnee and Francois, 1988; Hitzman *et al.,* 2012). The concentration of zinc and zinc-copper ore decreases with depth and the amount of iron increases progressively. The distribution of ores indicates that zinc and lead are preferentially hosted in the impure carbonate lithologies and that copper is predominantly hosted in the cement of the breccias. Cobalt appears as a minor ore mineral in the assemblage, predominantly being deposited with the copper sulphides.

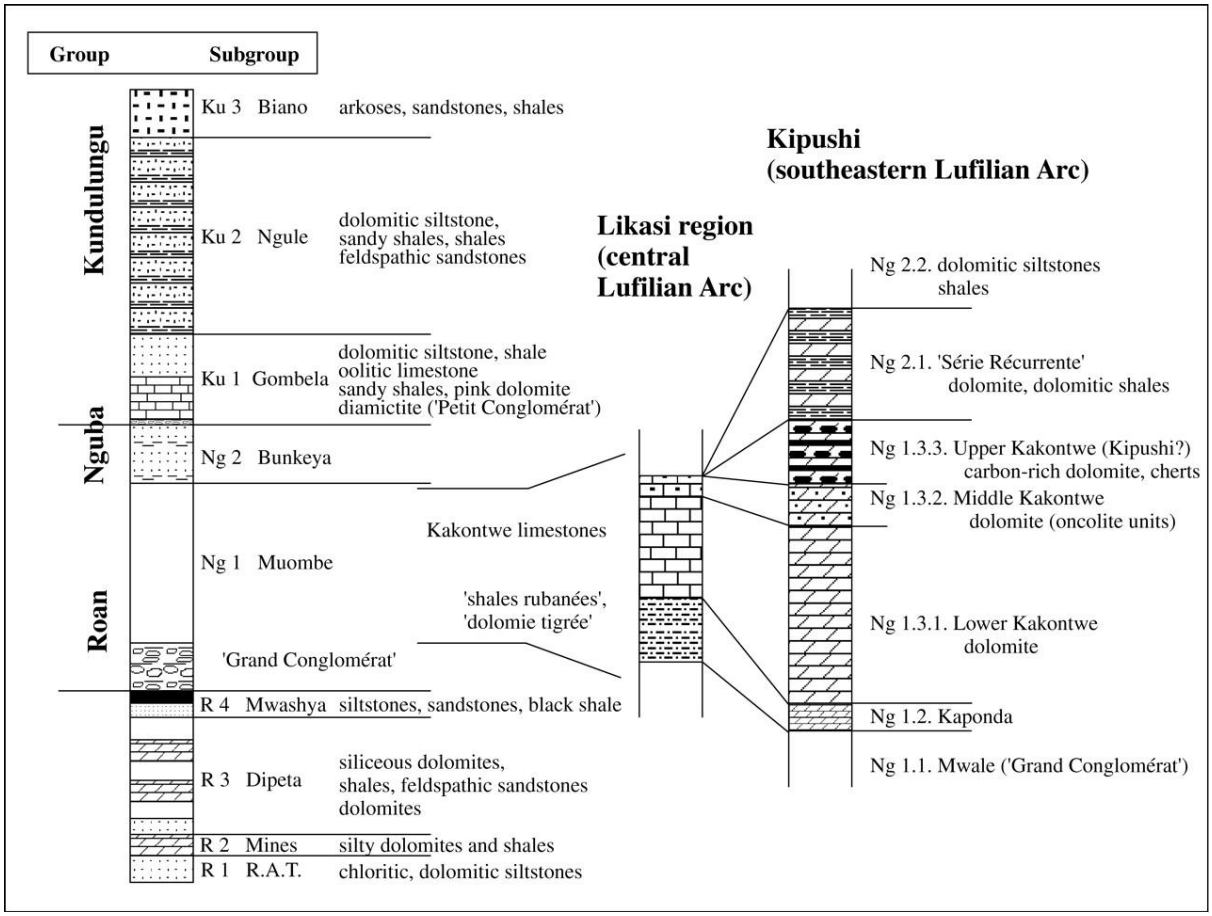


Figure 7.8: The location of the mineralisation within the Kipushi region (modified from François, 1973, 1974, 1987; Batumike *et al.*, 2007; Cailteux *et al.,* 2007). From the stratigraphic column the Kipushi deposit is mineralised above the Roan Group and is part of the Nguba Group.

The paragenetic sequence of mineralisation in the Kipushi deposit according to de Vos *et al.,* (1974) is:

1. Pyrite-arsenopyrite.
2. Sphalerite.
3. Chalcopyrite-tennantite-germanite-briarite.
4. Bornite-chalcocite.
5. Reneirite

Intiomale and Oosterbosch (1974) deduced that two major successive primary mineralising phases occurred during paragenesis. Initially an Fe-As-Zn phase was introduced along with minor Cu-Cd-Bi-Ge and Ga, followed by the copper phase with minor cobalt and silver. The interaction of the two dominant mineralising phases resulted in the Zn-Cu-Pb dominated assemblage seen at Kipushi today.

Comparisons between Ruashi and Kinsevere with other Congolese deposits

The Congolese Copperbelt is characterized by a series of NW-SE trending anticline/synclines stretching from the Zambian Copperbelt to Fungurume and then a more east-west trending set of anticline-synclines from Tenke west to Kolwezi (Fay and Barton, 2011). Commonly the core of the anticlines in the Congolese Copperbelt is composed of RAT breccias (Fay and Barton, 2011). In Kinsevere and Ruashi this is not the case. Instead the core in both pits tends to be the SD unit.

Sulphide mineralisation has been initiated by early diagenetic processes and deposited at the onset of potassic alteration. A basinal environment was critical to the formation of sediment-hosted deposits within which, highly oxidised fluids are reduced by carbonaceous strata.

Conditions for the formation of typical Congolese deposit models, such as Tenke-Fungurume, are low temperature slightly saline environments, redox interfaces and trap (Hitzman *et al.,* 2010). Classical deposits are believed to form at temperatures ranging between 135-172 °C (Dewaele *et al.,* 2006; Kampunzu and Cailteux, 1999). The typical Congolese Copperbelt deposits are predominantly structurally and tectonically stable.

By contrast atypical deposits, such as Kipushi, require highly saline fluids (H_2O-NaCl-$CaCl_2$) which have been homogenised at higher temperatures than the classical deposits (Dewaele *et al.,* 2006; Kampunzu and Cailteux, 1999). The atypical deposits are structurally defined by an igneous body,

folding and/ or brecciated zones (Dewaele *et al.,* 2008). Atypical examples such as vein-hosted deposits occur near the edge of basins or in structurally defined terrain. Hitzman *et al.,* 2010 identified that the edges of the basins and higher stratigraphic levels are only mineralised in a few circumstances in atypical deposits such as Kipushi.

From the description of these deposits it is possible to see that the Kinsevere and Ruashi deposits are characteristically similar to the classical Congolese type deposits. The Kinsevere deposit may be slightly atypical due to the fact that the RSC and RSF (lower ore body) is absent. The result of this is that there only one REDOX interface present and mineralisation is therefore seen in the DStrat, SD and base of the CMN in the Kinsevere deposit.

Chapter 8

Conclusion

The aim of this research project was to investigate the controls on mineralisation and orebody characterisation in the Kinsevere and Ruashi deposits. The study incorporated comparison of the local geology from Kinsevere Central pit and Ruashi pit 1, which allowed for the identification of similar features as well as their respective differences in the geology from the Lubumbashi district. Comparisons between the two pits indicate that the depositional environment and basin evolution differ between the two areas over distances of less than 50 km.

The mapping of the Kinsevere and Ruashi deposits identifies the mineralised Mines Series strata is present in both, however, Kinsevere Central pit is considerably less silicified than Ruashi pit 1. In general the preserved units in the deposits are comparable with those documented by Hitzman *et al.,* (2012), however, Kinsevere Central pit has a control on the sedimentation of the Mines Series resulting in the absence of the RSF and RSC in the Kinsevere area. By comparison Ruashi pit 1 preserves the RSF and RSC units. The lack of the RSF and RSC possibly results in the SD being strongly mineralised. By comparison has preserved the RSF and RSC units. Therefore RSF and RSC in the Lubumbashi district cannot be assumed to be homogeneous.

The lower orebody in Kinsevere is represented by the DStrat, which is very thin, the majority of the mineralisation is preserved in the SD and base of the CMN representing the upper orebody. The upper orebody therefore acts as the main REDOX interface in the Kinsevere deposit where reduction of metal laden oxidised brines took place. Ruashi has preserved the RSF and RSC, thus hosting mineralisation in both the upper and lower orebodies. However due to the thin nature of the lower orebody in Ruashi, it is likely that the majority of mineralisation is hosted in the upper orebody.

A regional aspect that is poorly preserved in Kinsevere Central pit and Ruashi pit 1, is any evidence for halokinesis. Halokinesis is accepted to be a significant factor in the translation and deformation of the Lufilian Arc (Jackson *et al.,* 2003).

Structurally two main deformation phases are believed to be preserved. Kolwezian deformation is attributed to E-W shortening and the development of the NNW-SSE and NW-SE fold axes for the Kinsevere and Ruashi respectively. The Monwezian deformation is responsible for the N-S shortening direction associated with the reoriented shortening direction and formation of the doubly plunging folds and rotated joints. The structural analysis of Kinsevere Central pit illustrates a sequence of E-W and N-S shortening directions whereas the Ruashi pit 1 deposit underwent NE-SW and N-S

shortening. Locally the structural paragenesis identifies an initial shortening associated with the Kolwezian deformation (D1) that resulted in the formation of the NE-thrust folds and the development of the primary set of joints. The Kolwezian deformation event is succeeded by the Monwezian deformation event (D2) which reoriented the shortening direction from E-W to N-S, creating interference folds and the second set of joints. The final stage present in the structural evolution of the Kinsevere and Ruashi deposits is late-stage faulting.

There are few structural controls on mineralisation in the Kinsevere and Ruashi deposits. The only significant control is by veins which are preserved in two dominant orientations. These veins have been attributed to a change in the shortening direction between D1 and D2 respectively. The development of the vein-hosted ore is related to later diagenesis, associated with localised Monwezian deformation and the hydraulic fracturing of overlying rock due to seismic pumping.

Mineralisation is deduced to be a multiphase process that is preserved in diagenetic disseminated, vein-hosted and late evaporite mineralisation. There are two, possibly three, hypogene phases of mineralisation as well as supergene mineralisation. Initial mineralisation phases indicate diagenetic mineralisation during orogenesis. Stratabound and vein-hosted mineralisation is comparable to other occurrences of mineralisation documented in the Congolese Copperbelt (Hitzman *et al.,* 2012). The initial disseminated mineralisation was affected by folding and all brittle deformation that succeeded this. The disseminated ores are however, not redistributed or remobilised by the structural deformation of the Lubumbashi district. Succeeding the diagenetic mineralisation is vein hosted mineralisation defined as being syn- to late- orogenic. The veins have two dominant orientations that initially preserve mineralisation in a bedding-parallel orientation and later as veins perpendicular to bedding planes. It was found that mineralisation in Kinsevere Central pit and Ruashi pit 1 is preserved in stratabound, vein-hosted and evaporite-related styles. A possible third hypogene mineralisation generation is related to scapolitisation. Evaporite-derived chalcopyrite and pyrite mineralisation has a strong relationship with scapolitisation that may be a useful exploration marker.

The paragenetic sequence for the Kinsevere and Ruashi deposits began with diagenetic disseminated chalcopyrite and carrollite. Following this is the emplacement of bedding-parallel veins bearing carrollite and chalcopyrite. Possible changes in the compression direction created the perpendicularly oriented veins which have chalcopyrite, carrollite, bornite, covellite, digenite and chalcocite mineralisation associated with them. Finally, a late stage chalcopyrite and pyrite

speciation is observed in and around the evaporites, indicating a strong correlation between mineralisation and evaporites. Copper sulphide distribution is potentially vertically zoned with respect to the boundary between the haematitic CMN Subgroup and the basal RAT. Chalcopyrite, carrollite, chalcocite and bornite are predominantly located at the base of the DStrat, whereas chalcopyrite and pyrite dominate the stratigraphically higher portions of the deposits. Pyrite and carrollite are rarely found together and may have an inverse proportional relationship between iron and copper-cobalt.

The study further identified controls on mineralisation within the Kinsevere and Ruashi deposits that were not related to structural deformation, but were rather chemical. The formation of supergene deposits is attributed to the depth that meteoric water penetrated down into the deposit. Due to the immobility of cobalt the main mineralisation associated with supergene alteration tends to be predominantly copper (Rose, 1989).

The alteration in the Lubumbashi district is mainly preserved as dolomitisation, potassic alteration, chloritisation, silicification and scapolitisation. Silicification is commonly suggested to be an initial phase of alteration, however, silicification is observed in this study to overprint potassic and dolomitic alteration. The dolomitisation and potassic alteration phases are homogeneously distributed throughout the strata. The study further identified the same pervasive nature of potassic alteration, dolomitisation and haematisation as Hitzman *et al*., (2010). The pervasive nature is interpreted to be the result of a high degree of fluid circulation through and along the bedding planes. The overall varieties of alteration most relevant to Kinsevere Central pit and Ruashi pit 1 are pervasive potassic alteration, dolomitisation and silicification. Magnesian and albitisation is identified in all units but as small and localised alteration in veins. A late phase of alteration identified in the Kinsevere and Ruashi pits is late-stage scapolitisation that is related to the alteration of evaporitic nodules. The final phase of alteration believed to occur with supergene mineralisation in some areas in the Kinsevere and Ruashi deposits is haematisation. The haematisation indicates that there was a late phase oxidised iron-rich fluid circulating through the Kinsevere and Ruashi deposits.

Although the mineralisation and alteration are not intrinsically related, studies by Hitzman *et al.,* (2010) have identified that the dominant influx of sulphide mineralisation is loosely related to a period of potassic alteration. Therefore the potassically altered terrain may potentially indicate mineralisation.

The exact source of sulphur in the Katanagan Basin is still unknown. The source of sulphur is possibly constrained to two possibilities for the Congolese and Zambian Copperbelts respectively. Analyses of sulphides from the Kinsevere and Ruashi deposits in the Congolese Copperbelt identify a common continental Red-Bed sedimentary sulphur source. In addition to the Red-Bed sulphur source is an evaporitic sulphur isotope signature. The evaporitic sulphur source is related to evaporite dissolution and is only found in the Kinsevere and Ruashi samples.

Therefore from this study it is possible to classify the Lubumbashi district as classical Congolese Copperbelt style deposits. Vectors to mineralisation are that the basinal architecture is a vital component in the determination of how the deposits will form (Kipushi vs. Tenke-Fungurume). The fact that the Kinsevere and Ruashi deposits are considered in this study to represent typical Congolese style deposits with subtle differences means that exploration in the Lubumbashi district should target the SD of the Mines Series. Due to the fact that the RSF and RSC are absent in the Kinsevere deposits and relatively thin, the lower orebody is more unreliable than the upper orebody. For this reason the SD should be the main focus for exploration. Similarly in the eastern portion of the Lufilian Arc any airborne exploration should be done in a NE-SW and E-W grid to stand more chance of identifying the strata which are predominantly preserved in a N-S and NW-SE orientation.

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Appendix A – Kinsevere Central Pit measurements and descriptions

Locality	Gps		Grid	Lithological Unit	Structural measurements			Geological feature	Structure
	Easting	Northing	UTM Zone		Strike	Dip	Dip direction		
K0	562366	8744303	WGS84_35S	SD	160	69	70	Up limb	s0
	562366	8744303	WGS84_35S	SD	154	69	64	Up limb	s0
	562366	8744303	WGS84_35S	SD	153	60	63	C to H	
	562366	8744303	WGS84_35S	SD	340	38	250	Hinge	
	562366	8744303	WGS84_35S	SD	294	22	204	Bottom limb	s0
	562366	8744303	WGS84_35S	SD	318	20	228	Bottom limb	s0
	562381	8744298	WGS84_35S	SD	226	20	316	Fault	F
	562381	8744298	WGS84_35S	SD	246	40	156	bedding up	s0
	562381	8744298	WGS84_35S	SD	256	30	166	bedding up	s0
	562381	8744298	WGS84_35S	SD	250	67	160	bedding down	s0
	562381	8744298	WGS84_35S	SD	239	79	149	bedding down	s0
k1	562417	8744360	WGS84_35S	Black Shale	348	72	258	bedding plane	s0
	562417	8744360	WGS84_35S	Black Shale	351	72	261	bedding plane	s0
	562417	8744360	WGS84_35S	Black Shale	360	70	270	bedding plane	s0
	562417	8744360	WGS84_35S	SD	104	31	14	Joint	J
	562417	8744360	WGS84_35S	SD	126	38	36	Joint	J
	562417	8744360	WGS84_35S	SD	125	40	35	Joint	J
	562417	8744360	WGS84_35S	SD	105	22	15	Joint	J
	562417	8744360	WGS84_35S	Black Shale	262	42	352	Breccia vein	V
	562417	8744360	WGS84_35S	Black Shale	265	23	355	Breccia vein	V
	562417	8744360	WGS84_35S	Black Shale	106	72	16	Breccia vein	V
	562417	8744360	WGS84_35S	Black Shale	152	26	62	Breccia vein	V
	562417	8744360	WGS84_35S	Black Shale	268	10	358	Min vein	V
	562417	8744360	WGS84_35S	Black Shale	182	86	272	bedding plane	s0
	562417	8744360	WGS84_35S	Black Shale	360	82	270	bedding plane	s0
k2	562438	8744341	WGS84_35S	SD	185	86	95	bedding plane	s0
	562438	8744341	WGS84_35S	SD	180	88	90	bedding plane	s0
	562438	8744341	WGS84_35S	SD	190	80	280	bedding plane	s0
	562438	8744341	WGS84_35S	SD	246	47	336	Vein	V
	562438	8744341	WGS84_35S	SD	116	37	26	Joint	J
	562438	8744341	WGS84_35S	SD	267	62	357	Quartz Vein	V
k3	562447	8744335	WGS84_35S	Black shale	186	86	96	Vein	V
	562447	8744335	WGS84_35S	Black shale	187	12	97	Vein	V
	562447	8744335	WGS84_35S	Black shale	98	72	8	Vein	V
	562447	8744335	WGS84_35S	Black shale	250	30	340	Vein 2	V
	562447	8744335	WGS84_35S	Black shale	96	25	6	Vein	V
	562447	8744335	WGS84_35S	Black shale	110	41	20	Vein	V
	562447	8744335	WGS84_35S	Black shale	92	41	2	Vein	V

	562447	8744335	WGS84_35S	Black shale	94	33	4	Vein	V
	562447	8744335	WGS84_35S	Black shale	242	72	332	Vein	V
	562447	8744335	WGS84_35S	Black shale	91	66	1	Vein	V
	562447	8744335	WGS84_35S	Black shale	184	90	274	bedding plane	s0
	562447	8744335	WGS84_35S	Black shale	188	89	278	bedding plane	s0
k4	562464	8744312	WGS84_35S	Contact between black shale and carbon poor shale. The unit appears to cyclic	200	90	110	Veins (Mal-Az)	V
	562464	8744312	WGS84_35S		106	82	16	Veins (Mal-Az)	V
	562464	8744312	WGS84_35S		248	31	338	Veins (Mal-Az)	V
	562464	8744312	WGS84_35S		128	36	38	Veins (Mal-Az)	V
	562464	8744312	WGS84_35S		200	18	110	Veins (Mal-Az)	V
	562464	8744312	WGS84_35S		200	90	290	Veins (Mal-Az)	V
	562464	8744312	WGS84_35S		189	89	99	bedding plane	s0
	562464	8744312	WGS84_35S		198	86	108	bedding plane	s0
	562464	8744312	WGS84_35S		246	64	336	Joint	J
	562464	8744312	WGS84_35S		128	66	38	Vein	V
	562464	8744312	WGS84_35S		100	50	10	Vein	V
	562464	8744312	WGS84_35S		198	86	108	bedding plane	s0
	562464	8744312	WGS84_35S		196	84	106	bedding plane	s0
k5	562468	8744308	WGS84_35S	Siltstone dolostone unit	204	89	114	bedding plane	s0
	562468	8744308	WGS84_35S		192	84	102	bedding plane	s0
	562468	8744308	WGS84_35S		202	83	112	bedding plane	s0
	562468	8744308	WGS84_35S		107	59	17	Veins	V
	562468	8744308	WGS84_35S		266	55	356	Veins	V
	562468	8744308	WGS84_35S		322	64	232	fracture\vein	f\v
	562468	8744308	WGS84_35S		257	56	347	fracture\vein	f\v
	562468	8744308	WGS84_35S		97	37	7	fracture\vein	f\v
	562468	8744308	WGS84_35S		94	60	4	fracture\vein	f\v
	562468	8744308	WGS84_35S		194	81	104	bedding plane	s0
k6	562474	8744292	WGS84_35S	Siltstone	262	76	172	Joints	J
	562474	8744292	WGS84_35S		306	60	216	Joints	J
	562474	8744292	WGS84_35S		136	54	46	Joints	J
	562474	8744292	WGS84_35S		103	60	13	Joints	J
	562474	8744292	WGS84_35S		302	73	212	Joints	J
	562474	8744292	WGS84_35S		214	71	124	bedding	s0
	562474	8744292	WGS84_35S		198	88	108	bedding	s0
	562474	8744292	WGS84_35S		196	84	106	bedding	s0
	562474	8744292	WGS84_35S		93	61	3	bedding	s0
	562474	8744292	WGS84_35S		271	41	181	Joints	J
	562474	8744292	WGS84_35S		154	88	64	Joints	J
	562474	8744292	WGS84_35S		256	11	346	Joints	J

k7	562483	8744233	WGS84_35S	Talc rich breccia (RAT)					
K8	562490	8744223	WGS84_35S	RAT					
k9	562516	8744151	WGS84_35S	Possible diapir					
k10	562536	8744101	WGS84_35S	Brecciation					
k11	562532	8744071	WGS84_35S	k9 equivalent					
k12	562276	8744310	WGS84_35S	Dolomitic shale	254	47	344	Joint	J
	562276	8744310	WGS84_35S		236	43	326	Joint	J
	562276	8744310	WGS84_35S		355	88	265	Joint	J
k13	562275	8744307	WGS84_35S	Laminated shale or siltstone	356	89	266	bedding	s0
	562275	8744307	WGS84_35S		358	89	268	bedding	s0
	562275	8744307	WGS84_35S		248	58	338	Joint	J
	562275	8744307	WGS84_35S		260	70	170	Joint	J
	562275	8744307	WGS84_35S		272	62	182	Joint	J
	562275	8744307	WGS84_35S		180	32	90	Fold	fd
	562275	8744307	WGS84_35S		183	48	93	Fold	fd
	562275	8744307	WGS84_35S		337	76	247	Fold	fd
	562275	8744307	WGS84_35S		254	20	344	Fold	fd
	562275	8744307	WGS84_35S		178	81	88	Fold	fd
	562275	8744307	WGS84_35S		178	70	88	Fold	fd
	562275	8744307	WGS84_35S		92	9	2	Fold	fd
k14	562268	8744301	WGS84_35S	Massive dolomite (SD)	164	89	74	bedding	s0
	562268	8744301	WGS84_35S		157	79	67	bedding	s0
	562268	8744301	WGS84_35S		350	85	260	bedding	s0
	562268	8744301	WGS84_35S		291	10	201	Joint	J
	562268	8744301	WGS84_35S		254	63	164	Joint	J
	562268	8744301	WGS84_35S		241	66	331	Joint	J
	562268	8744301	WGS84_35S		256	69	346	Joint	J
	562268	8744301	WGS84_35S		244	62	334	Joint	J
k15	562241	8744281	WGS84_35S		177	70	87	bedding	s0

	562241	8744281	WGS84_35S	massive dolomite	189	58	99	bedding	s0
	562241	8744281	WGS84_35S		192	72	102	bedding	s0
	562241	8744281	WGS84_35S		187	60	97	bedding	s0
	562241	8744281	WGS84_35S		186	60	96	bedding	s0
	562241	8744281	WGS84_35S		182	65	92	bedding	s0
	562241	8744281	WGS84_35S		256	73	346	Joint	J
	562241	8744281	WGS84_35S		326	28	236	Joint	J
	562241	8744281	WGS84_35S		296	36	206	Joint	J
	562241	8744281	WGS84_35S		240	78	150	Joint	J
k16	562209	8744250	WGS84_35S	f/g shaley dolostone	216	73	126	Fractures	Fr
	562209	8744250	WGS84_35S		206	72	116	Fractures	Fr
	562209	8744250	WGS84_35S		203	75	113	Fractures	Fr
	562209	8744250	WGS84_35S		129	61	39	Fractures	Fr
	562209	8744250	WGS84_35S		128	67	38	Fractures	Fr
	562209	8744250	WGS84_35S		96	60	6	Fractures	Fr
	562209	8744250	WGS84_35S		107	60	17	Fractures	Fr
k17	562118	8744229	WGS84_35S	dolomitic shale	206	80	296	bedding	s0
k18	562180	8744222	WGS84_35S	massive dolomitic shale	305	35	215	Joint	J1
	562180	8744222	WGS84_35S		312	36	222	Joint	J1
	562180	8744222	WGS84_35S		294	36	204	Joint	J1
	562180	8744222	WGS84_35S		305	41	215	Joint	J1
	562180	8744222	WGS84_35S		300	39	210	Joint	J1
	562180	8744222	WGS84_35S		303	35	213	Joint	J1
	562180	8744222	WGS84_35S		312	31	222	Joint	J1
	562180	8744222	WGS84_35S		112	49	22	Joint	J2
	562180	8744222	WGS84_35S		132	50	42	Joint	J2
	562180	8744222	WGS84_35S		129	40	39	Joint	J2
	562180	8744222	WGS84_35S		110	66	20	Joint	J2
	562180	8744222	WGS84_35S		102	60	12	Joint	J2
	562180	8744222	WGS84_35S		97	54	7	Joint	J2
	562180	8744222	WGS84_35S		105	69	15	Joint	J2
	562180	8744222	WGS84_35S		100	69	10	Joint	J2
	562180	8744222	WGS84_35S		90	73	0	Joint	J2
	562180	8744222	WGS84_35S		191	57	101	Joint	J3
	562180	8744222	WGS84_35S		208	88	118	Joint	J3
	562180	8744222	WGS84_35S		202	90	112	Joint	J3

	562180	8744222	WGS84_35S		192	78	102	Joint	J3
	562180	8744222	WGS84_35S		182	83	92	Joint	J3
	562180	8744222	WGS84_35S		188	89	278	Joint	J3
	562180	8744222	WGS84_35S		187	88	277	Joint	J3
k19	562165	8744205	WGS84_35S	black weathered dolomite	316	31	226	Fault	f
k20	562096	8744079	WGS84_35S	black weathered dolomite					
k21	562063	8743961	WGS84_35S		172	73	82	Joint/bed?	J
	562063	8743961	WGS84_35S		152	51	62	Joint/bed?	J
	562063	8743961	WGS84_35S		151	43	61	Joint/bed?	J
	562063	8743961	WGS84_35S		243	86	153	Joint	J
	562063	8743961	WGS84_35S	black weathered	271	59	181	Joint	J
	562063	8743961	WGS84_35S	massive dolomite	344	42	254	Joint	J
	562063	8743961	WGS84_35S		340	85	250	Bedding	s0
	562063	8743961	WGS84_35S		346	77	256	Bedding	s0
	562063	8743961	WGS84_35S		264	62	354	Bedding	s0
	562063	8743961	WGS84_35S		99	42	9	Bedding	s0
k22	562066	8743934	WGS84_35S		210	70	300	Bedding	s0
	562066	8743934	WGS84_35S		206	71	296	Bedding	s0
	562066	8743934	WGS84_35S		184	85	274	Bedding	s0
	562066	8743934	WGS84_35S	Dolomite	219	61	309	Bedding	s0
	562066	8743934	WGS84_35S		204	72	294	Bedding	s0
k23	562078	8743917	WGS84_35S		200	67	290	Limb 1	fd
	562078	8743917	WGS84_35S		189	68	279	Limb 1	fd
	562078	8743917	WGS84_35S		231	53	321	Axis	fd
	562078	8743917	WGS84_35S		196	55	286	Axis	fd
	562078	8743917	WGS84_35S		209	47	299	Axis	fd
	562078	8743917	WGS84_35S	Carbonaceous shale	340	61	250	Hinge	fd
	562078	8743917	WGS84_35S		280	82	190	Limb 2	fd
	562078	8743917	WGS84_35S		205	74	295	Limb 3	fd
	562078	8743917	WGS84_35S		128	71	38	Limb 4	fd
	562078	8743917	WGS84_35S		245	52	335	fault	F
k24	562084	8743907	WGS84_35S	Shale					

k25	562103	8743890	WGS84_35S						
k26	562153	8743857	WGS84_35S	Breccia. Dolomitic shale					
k27	562193	8743862	WGS84_35S		104	81	14	Bedding	s0
	562193	8743862	WGS84_35S	Contact between brecccia and dolomitic shale.	108	73	18	Bedding	s0
	562193	8743862	WGS84_35S		93	82	3	Bedding	s0
	562193	8743862	WGS84_35S		94	84	4	Bedding	s0
	562193	8743862	WGS84_35S		91	82	1	Bedding	s0
	562193	8743862	WGS84_35S		267	80	357	Bedding	s0
k28	562206	8743865	WGS84_35S	Contact between dolomitic shale and brecccia.					
k29	562263	8743864	WGS84_35S	Sandstone-shale					
k30	562282	8743864	WGS84_35S	Contact between talc-specularite bearing dolomitic shale and banded dolomite.	167	48	77	Fracture	Fr
	562282	8743864	WGS84_35S		167	61	77	Fracture	Fr
	562282	8743864	WGS84_35S		95	58	5	Bedding	s0
k31	562321	8743885	WGS84_35S	Contact between banded dolostone and breccia	300	78	210	Poss. Bed	s0
k32	562340	8743899	WGS84_35S	Siltstone	260		350		
k33	562444	8743950	WGS84_35S		268	28	358	Fault	F
	562444	8743950	WGS84_35S		124	10	34	Fault	F
	562444	8743950	WGS84_35S		214	61	124	Fault	F
	562444	8743950	WGS84_35S		200	60	110	Fault	F
	562444	8743950	WGS84_35S		102	31	12	Fault	F
	+2m		WGS84_35S		296	20	206	Fault	F
	+2m		WGS84_35S		306	67	216	Fault	F
	+2m		WGS84_35S	Breccia (silicified)	329	42	239	Fault	F

		+2m		WGS84_35S		329	48	239	Fault	F
		+2m		WGS84_35S		194	38	284	Lineation	Li
	562487		8743978	WGS84_35S		307	59	217	Fault	F
	562487		8743978	WGS84_35S		185	53	95	Fault	F
	562487		8743978	WGS84_35S		192	38	102	Fault	F
	562487		8743978	WGS84_35S		268	42	358	Fault	F
	562487		8743978	WGS84_35S		308	50	218	Fault	F
	562487		8743978	WGS84_35S		200	29	110	Lineation	Li
k34	562517		8744007	WGS84_35S	Fault	134	44	44	Fault	F
	562517		8744007	WGS84_35S		194	18	104	Lineation	Li
k35	562529		8744019	WGS84_35S		195	76	105	bedding planes	s0
	562529		8744019	WGS84_35S		184	80	94	bedding planes	s0
	562529		8744019	WGS84_35S	Highly fracture	171	80	81	bedding planes	s0
	562529		8744019	WGS84_35S	dolomitic shale	173	79	83	bedding planes	s0
	562529		8744019	WGS84_35S		180	78	90	bedding planes	s0
	562529		8744019	WGS84_35S		181	79	91	bedding planes	s0
k36	562538		8744046	WGS84_35S		188	33	98	Fault	F
	562538		8744046	WGS84_35S		244	65	334	Fault	F
	562538		8744046	WGS84_35S	Compotent breccia	240	62	330	Fault	F
	562516		8744183	WGS84_35S	(silicified)	204	49	294	Fault	F
	562516		8744183	WGS84_35S		204	46	294	Fault	F
	562516		8744183	WGS84_35S		221	50	311	Fault	F
	562516		8744183	WGS84_35S		256	56	346	Fault	F
k37	562496		8744256	WGS84_35S		206	89	296	bedding	s0
	562496		8744256	WGS84_35S		203	88	293	bedding	s0
	562496		8744256	WGS84_35S		191	89	101	bedding	s0
	562496		8744256	WGS84_35S		188	89	98	bedding	s0
	562496		8744256	WGS84_35S		190	82	100	bedding	s0
	562496		8744256	WGS84_35S		197	81	107	bedding	s0
	562496		8744256	WGS84_35S		251	7	161	Joint	J
	562496		8744256	WGS84_35S		260	3	170	Joint	J
	562496		8744256	WGS84_35S		281	63	191	Joint	J
	562496		8744256	WGS84_35S		308	66	218	Joint	J
	562496		8744256	WGS84_35S		189	88	99	Joint	J
	562496		8744256	WGS84_35S	Laminated shale	273	60	183	Joint (min)	Jm1
	562496		8744256	WGS84_35S		277	58	187	Joint (min)	Jm1
	562496		8744256	WGS84_35S		99	85	9	Joint (min)	Jm2
	562496		8744256	WGS84_35S		107	86	17	Joint (min)	Jm2
	562496		8744256	WGS84_35S		113	89	23	Joint (min)	Jm2
	562496		8744256	WGS84_35S		276	10	186	Joint (min)	Jm3

	562496	8744256	WGS84_35S		290	19	200	Joint (min)	Jm3
	562496	8744256	WGS84_35S		300	32	210	Joint (min)	Jm3
	562496	8744256	WGS84_35S		290	35	200	Joint (min)	Jm3
	562496	8744256	WGS84_35S		196	60	106	Vein (min)	V
	562496	8744256	WGS84_35S		93	58	3	Vein (min)	V
	562496	8744256	WGS84_35S		99	61	9	Vein (min)	V
	562496	8744256	WGS84_35S		260	77	350	Vein (min)	V
k38	562479	8744304	WGS84_35S	Shale	204	90	114	bedding	s0
k39	562473	8744318	WGS84_35S		208	88	298	bedding	s0
	562473	8744318	WGS84_35S		201	86	291	bedding	s0
	562473	8744318	WGS84_35S		192	86	282	bedding	s0
	562473	8744318	WGS84_35S		194	88	284	bedding	s0
	562473	8744318	WGS84_35S		212	86	122	bedding	s0
	562473	8744318	WGS84_35S		203	88	293	bedding	s0
	562473	8744318	WGS84_35S		304	45	214	Joints	J
	562473	8744318	WGS84_35S		281	52	191	Joints	J
	562473	8744318	WGS84_35S	Black shale	265	50	175	Joints	J
	562473	8744318	WGS84_35S		114	83	24	Joints	J
	562473	8744318	WGS84_35S		280	69	190	Joints	J
	562473	8744318	WGS84_35S		275	71	185	Joints	J
	562473	8744318	WGS84_35S		110	71	20	Joints	J
	562473	8744318	WGS84_35S		116	56	26	Joints	J
	562473	8744318	WGS84_35S		101	60	11	Joints	J
	562473	8744318	WGS84_35S		257	23	347	Fault	F
	562473	8744318	WGS84_35S		102	52	12	Fault	F
k40	562456	8744347	WGS84_35S		90	68	0	Fault	F
	562456	8744347	WGS84_35S		162	80	72	limb 1	fd
	562456	8744347	WGS84_35S		146	78	56	limb 1	fd
	562456	8744347	WGS84_35S	Inter-layer of haematised shale	108	51	18	Hinge	fd
	562456	8744347	WGS84_35S		353	82	263	Hinge	fd
	562456	8744347	WGS84_35S		354	79	264	limb 2	fd
	562456	8744347	WGS84_35S		230	73	320	Axis	fd
k41	562440	8744357	WGS84_35S		95	49	5	Fault	F
	562440	8744357	WGS84_35S		360	83	270	bedding	s0
	562440	8744357	WGS84_35S		181	79	271	bedding	s0
	562440	8744357	WGS84_35S		159	87	69	bedding	s0
	562440	8744357	WGS84_35S		269	5	359	Fault	F
	562423	8744372	WGS84_35S		171	61	81	top limb	fd
	562423	8744372	WGS84_35S		156	68	66	top limb	fd
	562423	8744372	WGS84_35S		140	70	50	top limb	fd
	562423	8744372	WGS84_35S		346	90	256	bottom limb	fd

	562423	8744372	WGS84_35S		356	86	266	bottom limb	fd
	562423	8744372	WGS84_35S		151	88	61	bottom limb	fd
	562423	8744372	WGS84_35S		336	89	246	bottom limb	fd
	562423	8744372	WGS84_35S	Dolomitic shale	167	89	77	bottom limb	fd
	562423	8744372	WGS84_35S		180	80	90	Fault	F
	562423	8744372	WGS84_35S		333	71	243	top limb	fd
	562423	8744372	WGS84_35S		181	60	271	top limb	fd
	562423	8744372	WGS84_35S		182	56	272	top limb	fd
	562423	8744372	WGS84_35S		162	70	72	hinge	fd
	562423	8744372	WGS84_35S		163	50	73	bottom limb	fd
	562423	8744372	WGS84_35S		161	33	71	bottom limb	fd
	562423	8744372	WGS84_35S		180	40	90	bottom limb	fd
	562423	8744372	WGS84_35S		196	52	106	bottom limb	fd
	562423	8744372	WGS84_35S		175	50	85	bottom limb	fd
	562423	8744372	WGS84_35S		165	41	75	bottom limb	fd
	562423	8744372	WGS84_35S		167	36	77	bottom limb	fd
	562423	8744372	WGS84_35S		95	30	5	Fold Axis	fd
	562359	8744358	WGS84_35S		288	72	198	limbs	fd
	562359	8744358	WGS84_35S		264	78	174	limbs	fd
	562359	8744358	WGS84_35S	Dolomitic shale	91	58	1	Hinge	fd
	562359	8744358	WGS84_35S		282	79	192	Hinge	fd
	562359	8744358	WGS84_35S		281	67	191	Hinge	fd
k42	562347	8744284	WGS84_35S		179	56	89	bedding	s0
	562347	8744284	WGS84_35S		184	60	94	bedding	s0
	562347	8744284	WGS84_35S		176	89	86	bedding	s0
	562347	8744284	WGS84_35S	Laminated dolomitic	161	70	71	bedding	s0
	562347	8744284	WGS84_35S	shale	184	88	274	bedding	s0
	562388	8744302	WGS84_35S		207	79	117	Fault	F
	562388	8744302	WGS84_35S		236	70	326	bedding	s0
	562388	8744302	WGS84_35S		238	87	328	bedding	s0
k43	562393	8744294	WGS84_35S		241	52	151	bedding	s0
	562393	8744294	WGS84_35S		238	81	148	Fault	F
	562396	8744291	WGS84_35S		241	52	151	top limb	fd
	562396	8744291	WGS84_35S		247	37	157	top limb	fd
	562396	8744291	WGS84_35S		257	38	167	top limb	fd
	562396	8744291	WGS84_35S		243	37	153	top limb	fd
	562396	8744291	WGS84_35S		266	50	176	top limb	fd
	562396	8744291	WGS84_35S		303	30	213	Hinge	fd
	562396	8744291	WGS84_35S		308	31	218	Hinge	fd
	562396	8744291	WGS84_35S		317	31	227	bottom limb	fd
	562396	8744291	WGS84_35S		314	27	224	bottom limb	fd

	562396	8744291	WGS84_35S		300	30	210	top limb	fd
	562396	8744291	WGS84_35S		310	31	220	top limb	fd
	562396	8744291	WGS84_35S	Carbonaceous Shale	284	41	194	hinge	fd
	562396	8744291	WGS84_35S		280	45	190	hinge	fd
	562396	8744291	WGS84_35S		298	40	208	hinge	fd
	562396	8744291	WGS84_35S		225	66	135		fd
	562396	8744291	WGS84_35S		241	44	151		fd
	562396	8744291	WGS84_35S		336	30	246		fd
	562396	8744291	WGS84_35S		164	69	74		fd
	562396	8744291	WGS84_35S		167	66	77		fd
	562396	8744291	WGS84_35S		169	60	79		fd
	562396	8744291	WGS84_35S		91	79	1		fd
	562396	8744291	WGS84_35S		105	66	15		fd
	562396	8744291	WGS84_35S		297	60	207		fd
	562421	8744251	WGS84_35S		255	72	165	Fault	F
	562421	8744251	WGS84_35S		247	70	157	Fault	F
	562421	8744251	WGS84_35S		164	88	74	bedding	s0
k44	562421	8744211	WGS84_35S		156	86	66	bedding	s0
	562421	8744211	WGS84_35S		150	85	60	top limb	fd
	562421	8744211	WGS84_35S		294	82	204	middle limb	fd
	562421	8744211	WGS84_35S		146	84	56	bottom limb	fd
	562421	8744211	WGS84_35S		136	88	46	Joint	J
	562421	8744211	WGS84_35S		129	88	39	Joint	J
	562421	8744211	WGS84_35S	Carbonaceous shale	127	89	37	Joint	J
	562421	8744211	WGS84_35S		105	88	15	Joint	J
	562421	8744211	WGS84_35S		290	89	200	Joint	J
	562421	8744211	WGS84_35S		284	85	194	Joint	J
	562421	8744211	WGS84_35S		236	80	146	Joint	J
	562424	8744183	WGS84_35S		246	36	336	Joint	J
	562424	8744183	WGS84_35S		246	32	336	Joint	J
k45	562420	8744129	WGS84_35S	shale and siltstone	172	82	82	bedding	s0
	562420	8744129	WGS84_35S		157	80	67	bedding	s0
k46	562405	8744112	WGS84_35S		172	80	82	bedding	s0
	562405	8744112	WGS84_35S		337	89	247	fold	fd
	562405	8744112	WGS84_35S		167	58	77	fold	fd
	562405	8744112	WGS84_35S		207	20	117	fold	fd
	562405	8744112	WGS84_35S		154	60	64	fold	fd
k47	562379	8744105	WGS84_35S		174	78	84	bedding	s0
	562379	8744105	WGS84_35S		336	52	246	fold	fd
	562379	8744105	WGS84_35S		214	49	124	fold	fd
	562379	8744105	WGS84_35S		322	49	232	fold	fd

	562379	8744105	WGS84_35S	Sandstone/siltstone	344	79	254	fold	fd
	562322	8744122	WGS84_35S		349	68	259	Fault	F
	562322	8744122	WGS84_35S		343	65	253	Fault	F
	562322	8744122	WGS84_35S		335	87	245	bedding East	s0
	562322	8744122	WGS84_35S		143	83	53	bedding East	s0
	562322	8744122	WGS84_35S		256	70	346	bedding West	s0
	562322	8744122	WGS84_35S	Shale	266	67	356	bedding West	s0
	562322	8744122	WGS84_35S		248	72	338	bedding West	s0
k48	562307	8744136	WGS84_35S	Dolomitic shale					
k49	562306	8744146	WGS84_35S		114	70	24	bedding	s0
	562306	8744146	WGS84_35S		100	72	10	bedding	s0
	562306	8744146	WGS84_35S		127	68	37	bedding	s0
	562306	8744146	WGS84_35S	Siltstone	114	88	24	bedding	s0
	562306	8744146	WGS84_35S		103	88	13	bedding	s0
	562306	8744146	WGS84_35S		293	80	203	bedding	s0
	562306	8744146	WGS84_35S		126	70	36	bedding	s0
k50	562425	8743929	WGS84_35S		236	40	326	Fault	F
	562465	8743948	WGS84_35S		328	64	238	Fault	F
	562465	8743948	WGS84_35S		335	62	245	Fault	F
	562470	8743950	WGS84_35S		166	52	76	Fault	F
	562470	8743950	WGS84_35S		228	33	138	Fault	F
	562470	8743950	WGS84_35S	Talc rich carbonate	246	32	156	Fault	F
	562470	8743950	WGS84_35S		224	27	134	Fault	F
	562470	8743950	WGS84_35S		268	48	178	Fault	F
	562470	8743950	WGS84_35S		308	37	218	Fault	F
	562493	8743968	WGS84_35S		178	51	88	Fault	F
	562493	8743968	WGS84_35S		150	45	60	Fault	F
k51	562516	8743989	WGS84_35S		154	30	64	Fault	F
	562516	8743989	WGS84_35S		200	50	110	Fault	F
	562516	8743989	WGS84_35S		300	34	210	Fault	F
	562516	8743989	WGS84_35S		190	69	100	Joint	J1
	562516	8743989	WGS84_35S		192	65	102	Joint	J1
	562516	8743989	WGS84_35S		192	70	102	Joint	J1
	562516	8743989	WGS84_35S		285	76	195	Joint	J2
	562516	8743989	WGS84_35S		288	85	198	Joint	J2
	562532	8744005	WGS84_35S		360	89	270	Fault	F
	562532	8744005	WGS84_35S		347	83	257	Fault	F
	562532	8744005	WGS84_35S	Talc breccia zone	344	80	254	Fault	F
	562532	8744005	WGS84_35S		285	60	195	Fault	F
	562532	8744005	WGS84_35S		280	70	190	Fault	F
	562552	8744050	WGS84_35S		206	33	116	Fault	F1

	562552	8744050	WGS84_35S		209	42	119	Fault	F1
	562557	8744058	WGS84_35S		244	20	154	Fault	F2
	562557	8744058	WGS84_35S		209	42	119	Fault	F2
	562557	8744058	WGS84_35S		206	33	116	Fault	F2
	562557	8744058	WGS84_35S		244	20	154	Fault	F2
k52	562558	8744080	WGS84_35S	contact between weathered breccia and more competent talc rich purple brecciated dolomite..					
k53	562558.138	8744092.692	WGS84_35S						
k54	562556.408	8744100.658	WGS84_35S		260	71	170	bedding	s0
	562544	8744138	WGS84_35S		358	19	268	Slicken slide	L
	562544	8744138	WGS84_35S		360	20	270	Slicken slide	L
	562523	8744185	WGS84_35S		236	50	326	Fault	F
	562523	8744185	WGS84_35S	Major fault system throughpurple talcous dolostone.	236	60	326	Fault	F
	562523	8744185	WGS84_35S		350	25	260	Joint	J
	562523	8744185	WGS84_35S		173	82	83	Fault	F
	562523	8744185	WGS84_35S		148	69	58	Fault	F
	562523	8744185	WGS84_35S		162	73	72	bedding	s0
	562510	8744243	WGS84_35S	Dolomitic shale	193	71	283	Fault	F
	562510	8744243	WGS84_35S		187	70	97	Joint	J
k56	562503	8744281	WGS84_35S		203	84	113	bedding	s0
	562503	8744281	WGS84_35S		195	85	105	bedding	s0
	562503	8744281	WGS84_35S		196	81	106	bedding	s0
	562503	8744281	WGS84_35S		206	87	116	bedding	s0
	562503	8744281	WGS84_35S		207	89	117	bedding	s0
	562503	8744281	WGS84_35S		114	65	24	Joint	J
	562503	8744281	WGS84_35S		274	78	184	Joint	J
	562503	8744281	WGS84_35S		199	63	289	Joint	J
	562503	8744281	WGS84_35S	Finely laminated dolomitic shale	185	65	275	Joint	J
	562503	8744281	WGS84_35S		138	67	48	Joint	J
	562503	8744281	WGS84_35S		279	70	189	Joint	J
	562503	8744281	WGS84_35S		96	55	6	Veins (min)	V
	562503	8744281	WGS84_35S		100	60	10	Veins (min)	V
	562503	8744281	WGS84_35S		100	73	10	Veins (min)	V
	562503	8744281	WGS84_35S		95	18	5	Veins (min)	V
	562503	8744281	WGS84_35S		198	86	288	Thin min. veins	V
	562503	8744281	WGS84_35S		317	20	227	Thin min. veins	V

k57	562488	8744321	WGS84_35S		200	87	110	bedding	s0
	562488	8744321	WGS84_35S		199	89	109	bedding	s0
	562488	8744321	WGS84_35S		200	88	110	bedding	s0
	562488	8744321	WGS84_35S		190	84	100	bedding	s0
	562479	8744334	WGS84_35S		115	20	25	Fault	F
	562479	8744334	WGS84_35S		105	22	15	Fault	F
	562479	8744334	WGS84_35S		266	40	356	Fault	F
	562479	8744334	WGS84_35S		188	72	278	bedding	s0
	562479	8744334	WGS84_35S		192	86	282	bedding	s0
	562479	8744334	WGS84_35S		360	75	270	bedding	s0
	562458	8744362	WGS84_35S		223	48	313	s0 offset by fault	s0
	562458	8744362	WGS84_35S		192	68	282	s0 offset by fault	s0
	562458	8744362	WGS84_35S		194	84	284	s0 offset by fault	s0
	562458	8744362	WGS84_35S		187	90	277	s0 offset by fault	s0
	562458	8744362	WGS84_35S		246	15	336	Fault	F1
	562458	8744362	WGS84_35S		210	18	300	Fault	F2
	562437	8744373	WGS84_35S		346	76	256	Fault	F
	562437	8744373	WGS84_35S		347	75	257	bedding	s0
	562437	8744373	WGS84_35S		347	76	257	bedding	s0
	562437	8744373	WGS84_35S		344	76	254	bedding	s0
	562437	8744373	WGS84_35S		354	76	264	bedding	s0
	562425	8744377	WGS84_35S		358	72	268	top limb	fd
	562425	8744377	WGS84_35S		356	63	266	top limb	fd
	562425	8744377	WGS84_35S		356	64	266	top limb	fd
	562425	8744377	WGS84_35S		350	63	260	top limb	fd
	562425	8744377	WGS84_35S	Siltstone	350	70	260	bottom limb	fd
	562425	8744377	WGS84_35S		176	90	86	bottom limb	fd
	562425	8744377	WGS84_35S		360	11	270	Middle	fd
	562425	8744377	WGS84_35S		334	25	244	Middle	fd
	562425	8744377	WGS84_35S		338	68	248	top limb	fd
	562425	8744377	WGS84_35S		340	60	250	top limb	fd
	562425	8744377	WGS84_35S		332	64	242	top limb	fd
	562425	8744377	WGS84_35S		336	46	246	middle	fd
	562425	8744377	WGS84_35S		325	38	235	middle	fd
	562425	8744377	WGS84_35S		174	75	84	bottom limb	fd
	562425	8744377	WGS84_35S		160	86	70	bottom limb	fd
	562425	8744377	WGS84_35S		348	84	258	bottom limb	fd
	562399	8744382	WGS84_35S		170	60	80	top limb	fd
	562399	8744382	WGS84_35S		168	71	78	top limb	fd
	562399	8744382	WGS84_35S		155	80	65	top limb	fd
	562399	8744382	WGS84_35S		190	53	280	middle	fd
	562399	8744382	WGS84_35S		158	78	68	bottom limb	fd

	562399	8744382	WGS84_35S		163	48	73	bottom limb	fd
	562376	8744378	WGS84_35S		186	70	276	top limb	fd
	562376	8744378	WGS84_35S		182	56	272	top limb	fd
	562376	8744378	WGS84_35S		339	15	249	middle	fd
	562376	8744378	WGS84_35S		131	44	41	bottom limb	fd
	562376	8744378	WGS84_35S		122	76	32	bottom limb	fd
	562376	8744378	WGS84_35S		136	82	46	bottom limb	fd
	562376	8744378	WGS84_35S		314	72	224	Hinge	fd
	562376	8744378	WGS84_35S		114	60	24	Hinge	fd
k58	562279	8744325	WGS84_35S		170	80	80	bedding	s0
	562279	8744325	WGS84_35S		170	75	80	bedding	s0
	562279	8744325	WGS84_35S		175	90	85	bedding	s0
	562279	8744325	WGS84_35S		350	80	260	bedding	s0
	562279	8744325	WGS84_35S		343	88	253	bedding	s0
	562279	8744325	WGS84_35S	Dolomitic shale	165	74	75	bedding	s0
	562279	8744325	WGS84_35S		271	51	181	Joint	J
	562279	8744325	WGS84_35S		266	68	176	Joint	J
	562279	8744325	WGS84_35S		264	61	174	Joint	J
	562203	8744258	WGS84_35S		330	18	240	Fault	F
	562186	8744243	WGS84_35S		297	26	207	Joint/fracture	J
	562186	8744243	WGS84_35S		290	70	200	Joint	J
k59	562186	8744243	WGS84_35S	Highly weathered	156	62	66	bedding (folded)	s0
	562186	8744243	WGS84_35S	dolomitic shale	188	17	98	bedding (folded)	s0
k60	562098	8744091	WGS84_35S		257	55	167	top limb	fd
	562098	8744091	WGS84_35S		250	44	160	top limb	fd
	562098	8744091	WGS84_35S		256	27	166	top limb	fd
	562098	8744091	WGS84_35S		263	87	173	bottom limb	fd
	562098	8744091	WGS84_35S	Blocky dolomitic shale	274	59	184	bottom limb	fd
	562098	8744091	WGS84_35S		278	72	188	bottom limb	fd
	562098	8744091	WGS84_35S		268	58	178	hinge	fd
	562098	8744091	WGS84_35S		291	52	201	hinge	fd
k61	562052	8743984	WGS84_35S		260	41	350	limb 1	fd
	562052	8743984	WGS84_35S		213	68	303	limb 1	fd
	562052	8743984	WGS84_35S		204	35	294	middle	fd
	562052	8743984	WGS84_35S		211	41	301	middle	fd
	562052	8743984	WGS84_35S		341	36	251	limb 2	fd
	562052	8743984	WGS84_35S		344	40	254	limb 2	fd
	562052	8743951	WGS84_35S		216	69	306	limb 1	fd
	562052	8743951	WGS84_35S		210	61	300	limb 2	fd
	562052	8743951	WGS84_35S		186	54	276	Middle	fd
	562052	8743951	WGS84_35S		352	58	262	Middle	fd

	562052	8743951	WGS84_35S	weathered shaley dolomite.	296	44	206	limb 2	fd
	562052	8743951	WGS84_35S		296	57	206	limb 2	fd
	562052	8743951	WGS84_35S		199	52	289	limb 1	fd
	562052	8743951	WGS84_35S		360	68	270	middle	fd
	562052	8743951	WGS84_35S		330	68	240	limb 2	fd
	562060	8743918	WGS84_35S		190	75	280	limbA	fd
	562060	8743918	WGS84_35S		187	70	277	limbA	fd
	562060	8743918	WGS84_35S		188	79	278	limbA	fd
	562060	8743918	WGS84_35S		206	74	296	limbA	fd
	562060	8743918	WGS84_35S		331	74	241	limb B	fd
	562060	8743918	WGS84_35S		320	64	230	limb B	fd
	562060	8743918	WGS84_35S		330	51	240	limb B	fd
	562060	8743918	WGS84_35S		324	64	234	limb B	fd
	562060	8743918	WGS84_35S	Scree					
	562066	8743902	WGS84_35S		315	59	225	bedding	s0
	562066	8743902	WGS84_35S		298	50	208	bedding	s0
	562066	8743899	WGS84_35S		329	54	239	top limb	fd
	562066	8743899	WGS84_35S		183	81	93	top limb	fd
	562066	8743899	WGS84_35S		280	41	190	middle	fd
	562066	8743899	WGS84_35S	Shaley dolomite	305	43	215	middle	fd
	562066	8743899	WGS84_35S		312	53	222	bottom limb	fd
	562066	8743899	WGS84_35S		284	55	194	bottom limb	fd
	562066	8743899	WGS84_35S		336	86	246	bedding	s0
	562066	8743899	WGS84_35S		333	85	243	bedding	s0
	562066	8743899	WGS84_35S		328	82	238	bedding	s0
	562143	8743863	WGS84_35S		352	83	262	bedding	s0
	562143	8743863	WGS84_35S		331	74	241	bedding	s0
	562143	8743863	WGS84_35S		325	88	235	bedding	s0
	562143	8743863	WGS84_35S		310	80	220	bedding	s0
	562143	8743863	WGS84_35S		313	89	223	bedding	s0
	562143	8743863	WGS84_35S		320	80	230	bedding	s0
	562150	8743856	WGS84_35S		145	87	55	beds	fd
	562150	8743856	WGS84_35S		182	83	272	top limb	fd
	562150	8743856	WGS84_35S		160	87	250	top limb	fd
	562150	8743856	WGS84_35S		182	66	272	bottom limb	fd
	562150	8743856	WGS84_35S		184	76	274	bottom limb	fd
	562150	8743856	WGS84_35S		340	43	250	middle	fd
	562150	8743856	WGS84_35S		199	25	289	middle	fd
k62	562171	8743856	WGS84_35S		272	53	182	bedding	s0
	562171	8743856	WGS84_35S		276	50	186	bedding	s0
	562171	8743856	WGS84_35S	Talc rich breccia	316	42	226	Fault	F

	562171	8743856	WGS84_35S		305	52	215	Fault	F
	562171	8743856	WGS84_35S		328	30	238	Fault	F
	562179	8743852	WGS84_35S		310	62	220	Limb A	fd
	562179	8743852	WGS84_35S		324	68	234	Limb A	fd
	562179	8743852	WGS84_35S	talc rich purple	287	46	197	Limb A	fd
	562179	8743852	WGS84_35S	dolomite with minimal	115	80	25	Limb B	fd
	562179	8743852	WGS84_35S	brecciation	100	73	10	Limb B	fd
	562179	8743852	WGS84_35S		118	33	28	Hinge	fd
	562179	8743852	WGS84_35S		205	25	115	Axis	fd
k63	562191	8743853	WGS84_35S	Carbonaceous					
	562199	8743856	WGS84_35S		274	66	184	bedding	s0
	562199	8743856	WGS84_35S		207	64	117	beds around diapir	s0
	562199	8743856	WGS84_35S		260	76	350	beds around diapir	s0
	562199	8743856	WGS84_35S		264	77	354	beds around diapir	s0
	562199	8743856	WGS84_35S		112	78	22	beds around diapir	s0
	562199	8743856	WGS84_35S		104	75	14	beds around diapir	s0
	562199	8743856	WGS84_35S		114	73	24	beds around diapir	s0
	562208	8743853	WGS84_35S		312	71	222	Fault	F
	562208	8743853	WGS84_35S	Talc rich dolomitic	320	64	230	Fault	F
	562208	8743853	WGS84_35S	shale	318	75	228	Fault	F
	562208	8743853	WGS84_35S		320	86	230	bedding	s0
	562211	8743853	WGS84_35S		122	86	32	top limb	fd
	562211	8743853	WGS84_35S		305	76	215	top limb	fd
	562211	8743853	WGS84_35S		122	58	32	middle	fd
	562211	8743853	WGS84_35S		105	32	15	middle	fd
	562211	8743853	WGS84_35S		118	61	28	bottom limb	fd
	562211	8743853	WGS84_35S		118	63	28	bottom limb	fd
	562211	8743853	WGS84_35S		240	38	330	hinge 1	fd
	562211	8743853	WGS84_35S		95	47	5	hinge 1	fd
	562211	8743853	WGS84_35S		193	27	283	hinge 2	fd
	562211	8743853	WGS84_35S		224	38	314	Axis 1	fd
	562211	8743853	WGS84_35S		225	22	315	Axis 2	fd
	562211	8743853	WGS84_35S		122	77	32	bedding	s0
	562211	8743853	WGS84_35S		120	78	30	bedding	s0
	562241	8743851	WGS84_35S		319	85	229	limb 1	fd
	562241	8743851	WGS84_35S	Banded dolomitic shale	347	80	257	middle	fd
	562241	8743851	WGS84_35S		292	32	202	limb 2	fd
k64-k65	562309	8743839	WGS84_35S		252	88	342	bedding	s0
	562309	8743839	WGS84_35S	Massive purple	254	74	164	bedding	s0
	562309	8743839	WGS84_35S	dolomite contact with	262	89	352	bedding	s0
	562309	8743839	WGS84_35S	banded dolomite.	256	88	346	bedding	s0

k66		562340	8743852	WGS84_35S	Brecciated dolomite				
k67		562320	8744276	WGS84_35S		164	67	74	bedding	s0
		562320	8744276	WGS84_35S	organic carbon rich shale	176	60	86	bedding	s0
		562320	8744276	WGS84_35S		170	73	80	bedding	s0
		562320	8744276	WGS84_35S		180	59	90	bedding	s0
		562320	8744276	WGS84_35S		170	69	80	bedding	s0
		562320	8744276	WGS84_35S		178	48	88	bedding	s0
		562320	8744276	WGS84_35S		198	86	108	bedding	s0
		562320	8744276	WGS84_35S	Organic carbon poor shale	162	66	72	bedding	s0
		562320	8744276	WGS84_35S		190	45	100	bedding	s0
		562320	8744276	WGS84_35S		178	47	88	bedding	s0
		562320	8744276	WGS84_35S		165	60	75	bedding	s0
		562320	8744276	WGS84_35S		316	78	226	bedding	s0
		562320	8744276	WGS84_35S		170	76	80	bedding	s0
		562306	8744238	WGS84_35S	Dolomitic shale				
k68		562274	8744189	WGS84_35S		194	82	104	bedding	s0
		562274	8744189	WGS84_35S		190	83	100	bedding	s0
	2	562274	8744171	WGS84_35S		336	30	246	top limb	fd
		562274	8744171	WGS84_35S		248	50	338	top limb	fd
		562274	8744171	WGS84_35S		264	45	354	top limb	fd
		562274	8744171	WGS84_35S		267	41	357	bottom limb	fd
		562274	8744171	WGS84_35S		266	59	356	bottom limb	fd
		562274	8744171	WGS84_35S		96	41	6	bottom limb	fd
		562274	8744171	WGS84_35S	Organic carbon rich shale	222	16	132	Middle	fd
		562274	8744171	WGS84_35S		226	48	136	Middle	fd
		562274	8744171	WGS84_35S		233	27	143	Middle	fd
		562274	8744171	WGS84_35S		264	29	354	hinge 1	fd
		562274	8744171	WGS84_35S		164	64	74	hinge 1	fd
		562274	8744171	WGS84_35S		152	8	62	hinge 1	fd
		562274	8744171	WGS84_35S		267	20	357	hinge 2	fd
		562274	8744171	WGS84_35S		178	1	88	hinge 2	fd
		562274	8744171	WGS84_35S		172	14	82	hinge 2	fd
		562284	8744144	WGS84_35S		244	44	334	limb 1	fd
		562284	8744144	WGS84_35S		249	48	339	limb 1	fd
		562284	8744144	WGS84_35S		208	44	118	Hinge	fd
		562284	8744144	WGS84_35S		185	54	95	middle	fd
		562284	8744144	WGS84_35S		170	48	80	middle	fd
		562284	8744144	WGS84_35S		266	60	356	limb 2	fd
		562284	8744144	WGS84_35S	Finely laminated dolomitic shale	258	56	348	limb 2	fd
		562284	8744144	WGS84_35S		130	50	40	hinge1	fd

	562284	8744144	WGS84_35S		252	70	342	hinge2	fd
	562284	8744144	WGS84_35S		245	72	335	bedding	s0
	562284	8744144	WGS84_35S		234	50	324	bedding	s0
	562284	8744144	WGS84_35S		246	64	336	bedding	s0
	562284	8744144	WGS84_35S		241	62	331	bedding	s0
k69	562259	8744108	WGS84_35S		234	53	324	limb 1	fd
	562259	8744108	WGS84_35S		232	60	322	limb 1	fd
	562259	8744108	WGS84_35S		232	60	322	limb 1	fd
	562259	8744108	WGS84_35S		198	76	288	limb 2	fd
	562259	8744108	WGS84_35S		196	78	286	limb 2	fd
	562259	8744108	WGS84_35S		196	65	286	limb 2	fd
	562259	8744108	WGS84_35S	Black shale	204	60	294	limb 2	fd
	562259	8744108	WGS84_35S		214	52	304	hinge	fd
	562259	8744108	WGS84_35S		216	44	306	hinge	fd
	562259	8744108	WGS84_35S		216	56	306	limb 3	fd
	562259	8744108	WGS84_35S		205	70	295	limb 3	fd
	562259	8744108	WGS84_35S		206	68	296	limb 3	fd
	562259	8744108	WGS84_35S		210	74	300	limb 3	fd
k70	562202	8744026	WGS84_35S		208	90	298	bedding	s0
	562202	8744026	WGS84_35S	siltstone	202	90	292	bedding	s0
	562202	8744026	WGS84_35S		206	90	296	bedding	s0
k71	562194	8744022	WGS84_35S		211	87	301	bedding	s0
	562194	8744022	WGS84_35S		208	88	298	bedding	s0
	562194	8744022	WGS84_35S		210	83	300	bedding	s0
	562194	8744022	WGS84_35S		211	84	301	bedding	s0
	562194	8744022	WGS84_35S		188	70	98	limb 1	fd
	562194	8744022	WGS84_35S	Black shale	194	67	104	limb 1	fd
	562194	8744022	WGS84_35S		190	90	280	hinge	fd
	562194	8744022	WGS84_35S		242	79	332	hinge	fd
	562194	8744022	WGS84_35S		238	87	328	limb 2	fd
	562194	8744022	WGS84_35S		231	87	321	limb 2	fd
	562194	8744022	WGS84_35S		224	86	314	axis	fd
k72	562166	8743982	WGS84_35S		141	82	51	Fault	F
	562166	8743982	WGS84_35S		130	82	40	Fault	F
	562166	8743982	WGS84_35S	siltstone/slate	214	90	124	bedding	s0
	562166	8743982	WGS84_35S		218	77	128	bedding	s0
	562166	8743982	WGS84_35S		222	80	132	bedding	s0
	562166	8743982	WGS84_35S		228	89	138	bedding	s0
k73	562171	8744002	WGS84_35S		103	87	13	limb 1	fd
	562171	8744002	WGS84_35S		108	90	18	limb 1	fd
	562171	8744002	WGS84_35S		92	84	2	limb 1	fd

	562171	8744002	WGS84_35S		224	88	314	limb 2	fd
	562171	8744002	WGS84_35S		228	86	138	limb 2	fd
	562171	8744002	WGS84_35S		262	80	352	limb 1	fd
	562171	8744002	WGS84_35S		265	75	355	limb 1	fd
	562171	8744002	WGS84_35S		224	74	314	limb1	fd
	562171	8744002	WGS84_35S	dolomitic shale - siltstone	215	90	125	limb1	fd
	562171	8744002	WGS84_35S		225	86	315	limb2	fd
	562171	8744002	WGS84_35S		208	86	118	limb2	fd
	562171	8744002	WGS84_35S		212	86	122	limb2	fd
	562171	8744002	WGS84_35S		208	85	118	limb2	fd
	562171	8744002	WGS84_35S		214	88	124	limb2	fd
	562171	8744002	WGS84_35S		242	78	332	limb2	fd
	562171	8744002	WGS84_35S		240	76	330	limb2	fd
	562171	8744002	WGS84_35S		196	80	286	hinge	fd
	562171	8744002	WGS84_35S		198	78	288	hinge	fd
k74	562187.772	8744020.55	WGS84_35S		218	87	308	limb 1	fd
	562187.772	8744020.55	WGS84_35S		218	82	308	limb 1	fd
	562187.772	8744020.55	WGS84_35S		210	83	300	limb 1	fd
	562187.772	8744020.55	WGS84_35S		212	87	302	limb 1	fd
	562187.772	8744020.55	WGS84_35S		211	82	301	limb 1	fd
	562187.772	8744020.55	WGS84_35S		197	60	287	limb 2	fd
	562187.772	8744020.55	WGS84_35S		200	66	290	limb 2	fd
	562187.772	8744020.55	WGS84_35S		206	66	296	limb 2	fd
	562187.772	8744020.55	WGS84_35S		228	46	318	bedding?	
	562187.772	8744020.55	WGS84_35S		212	60	302	bedding?	
k75	562218	8744057	WGS84_35S		96	48	6	bedding	s0
	562218	8744057	WGS84_35S		217	26	307	bedding	s0
	562218	8744057	WGS84_35S		221	33	311	bedding	s0
	562218	8744057	WGS84_35S	dolomitic shale	201	66	291	bedding	s0
	562218	8744057	WGS84_35S		198	72	288	bedding	s0
	562218	8744057	WGS84_35S		198	74	288	bedding	s0
	562218	8744057	WGS84_35S		108	67	18	Fault	F
k76	562234	8744079	WGS84_35S		198	84	288	bedding	s0
	562234	8744079	WGS84_35S	Black shale	208	72	298	bedding	s0
	562234	8744079	WGS84_35S		206	76	296	bedding	s0
k77	562245	8744095	WGS84_35S		232	52	322	bedding	s0
	562245	8744095	WGS84_35S		230	52	320	bedding	s0
	562245	8744095	WGS84_35S		236	62	326	bedding	s0
	562271	8744148	WGS84_35S	organic carbon rich shale	233	64	323	top limb	fd
	562271	8744148	WGS84_35S		240	50	330	top limb	fd
	562271	8744148	WGS84_35S		268	20	178	middle	fd

	562271	8744148	WGS84_35S		258	48	348	bottom limb	fd
	562271	8744148	WGS84_35S		265	50	355	bottom limb	fd
	562271	8744148	WGS84_35S		290	13	200	hinge	fd
k78	562226	8743817	WGS84_35S		300	70	210	bedding	s0
	562226	8743817	WGS84_35S		306	66	216	bedding	s0
	562226	8743817	WGS84_35S		200	50	110	Fault	F
	562226	8743817	WGS84_35S	Talc rich siltstone	203	47	113	Fault	F
	562226	8743817	WGS84_35S		316	76	226	bedding	s0
	562226	8743817	WGS84_35S		324	78	234	bedding	s0
	562226	8743817	WGS84_35S		321	76	231	bedding	s0
	562241	8743815	WGS84_35S		310	69	220	Fault	F
	562241	8743815	WGS84_35S	Laminated shale is	114	75	24	top limb	fd
	562241	8743815	WGS84_35S	alternating with the	194	25	104	middle	fd
	562241	8743815	WGS84_35S	breccia	120	64	30	bottom limb	fd
	562241	8743815	WGS84_35S		118	70	28	bottom limb	fd
k79	562246	8743810	WGS84_35S		346	75	256	Fault	F
	562246	8743810	WGS84_35S		234	84	144	Fault	F
	562246	8743810	WGS84_35S		228	88	138	Fault	F
	562246	8743810	WGS84_35S		248	86	338	Fault	F
	562246	8743810	WGS84_35S		301	80	211	top limb	fd
	562246	8743810	WGS84_35S		315	81	225	top limb	fd
	562246	8743810	WGS84_35S		308	83	218	top limb	fd
	562246	8743810	WGS84_35S		322	83	232	top limb	fd
	562246	8743810	WGS84_35S		103	58	13	bottom limb	fd
	562246	8743810	WGS84_35S		108	44	18	bottom limb	fd
	562246	8743810	WGS84_35S	doloitic shale - breccia	216	28	306	top limb	fd
	562246	8743810	WGS84_35S		244	36	334	top limb	fd
	562246	8743810	WGS84_35S		146	80	56	top limb	fd
	562246	8743810	WGS84_35S		141	64	51	top limb	fd
	562246	8743810	WGS84_35S		149	88	59	top limb	fd
	562246	8743810	WGS84_35S		126	85	36	bottom limb	fd
	562246	8743810	WGS84_35S		302	80	212	bottom limb	fd
	562246	8743810	WGS84_35S		300	88	210	bedding	s0
	562246	8743810	WGS84_35S		297	90	207	bedding	s0
	562246	8743810	WGS84_35S		148	88	58	bedding	s0
k80	562252	8743814	WGS84_35S		312	62	222	top limb	fd
	562252	8743814	WGS84_35S		312	70	222	top limb	fd
	562252	8743814	WGS84_35S		204	34	114	middle	fd
	562252	8743814	WGS84_35S		210	10	120	middle	fd
	562252	8743814	WGS84_35S		236	32	146	middle	fd
	562252	8743814	WGS84_35S		316	36	226	bottom limb	fd
	562252	8743814	WGS84_35S		296	53	206	bottom limb	fd

	562252	8743814	WGS84_35S		318	53	228	bottom limb	fd
	562252	8743814	WGS84_35S	Silicified dolomitic diapir?	203	41	113	hinge	fd
	562252	8743814	WGS84_35S		308	32	218	hinge	fd
	562252	8743814	WGS84_35S		316	24	226	bedding	s0
	562252	8743814	WGS84_35S		330	40	240	bedding	s0
	562252	8743814	WGS84_35S		309	24	219	bedding	s0
	562285	8743818	WGS84_35S		348	68	258	bedding	s0
	562285	8743818	WGS84_35S		350	60	260	bedding	s0
	562285	8743818	WGS84_35S		342	68	252	bedding	s0
	562285	8743818	WGS84_35S		346	65	256	bedding	s0
	562285	8743818	WGS84_35S		342	62	252	bedding	s0
k81	562294	8743821	WGS84_35S		280	74	190	bedding	s0
	562294	8743821	WGS84_35S		274	67	184	bedding	s0
	562312	8743828	WGS84_35S	Massive doomitic slate	343	58	253	Fault	F
	562312	8743828	WGS84_35S		237	69	147	bedding	s0
	562312	8743828	WGS84_35S		250	73	160	bedding	s0
	562312	8743828	WGS84_35S		261	73	171	bedding	s0
	562312	8743828	WGS84_35S		222	73	312	Joint	J
	562327	8743832	WGS84_35S	Banded dolomitic shale	322	72	232	Fracture	J
	562327	8743832	WGS84_35S		240	67	150	bedding	s0
	562327	8743832	WGS84_35S		235	60	145	bedding	s0
k82	562344	8743841	WGS84_35S	Banded dolomitic shale	248	12	338	Fault	F
k83	562367	8743856	WGS84_35S		200	57	110	Fault	F
	562367	8743856	WGS84_35S	Laminated dolomitic shale	206	65	116	bedding	s0
	562367	8743856	WGS84_35S		192	72	102	bedding	s0
	562424	8743908	WGS84_35S		274	76	184	Fault	F
k84	562449	8743919	WGS84_35S	Dolomitic shale					
k85	562461	8743927	WGS84_35S		194	84	104	Fault	F
	562461	8743927	WGS84_35S	Dolomitic shale and debris	208	78	118	Fault	F
	562461	8743927	WGS84_35S		262	68	172	Fault	F
	562499	8743950	WGS84_35S		318	36	228	Fault	F
	562499	8743950	WGS84_35S		97	76	7	Fault	F
k86	562529	8743986	WGS84_35S	Talc rich blocky	232	7	322	Fault	F
			WGS84_35S	dolomitic breccia	260	28	350	Fault	F
k87	562574	8744094	WGS84_35S	Banded dolomite	267	78	357	bedding	s0

k88	562566	8744123	WGS84_35S	Brecciated dolomite					
	562545	8744170	WGS84_35S						
	562519	8744242	WGS84_35S		216	82	306	Joint	J
k89	562508	8744299	WGS84_35S	Massive purle dolomite	192	85	102	bedding	s0
	562508	8744299	WGS84_35S		212	77	302	bedding	s0
	562508	8744299	WGS84_35S		200	88	110	bedding	s0
k90	562505	8744304	WGS84_35S	Red/pink blocky dolomite	211	86	301	bedding	s0
	562505	8744304	WGS84_35S		282	83	192	Joints	J
	562505	8744304	WGS84_35S		284	76	194	Joints	J
	562505	8744304	WGS84_35S		250	66	160	Joints	J
	562505	8744304	WGS84_35S		356	88	266	Joints	J
	562505	8744304	WGS84_35S		114	32	24	Fault	F
k91	562491	8744328	WGS84_35S		360	82	270	bedding	s0
	562491	8744328	WGS84_35S		192	86	102	bedding	s0
	562491	8744328	WGS84_35S		96	43	6	Fault	F
	562491	8744328	WGS84_35S		265	10	355	Fault	F
	562491	8744328	WGS84_35S		170	82	260	bedding	s0
	562485	8744331	WGS84_35S		285	54	195	Joint/Fracture	J
	562485	8744331	WGS84_35S		102	20	12	Joint/Fracture	J
	562485	8744331	WGS84_35S		269	84	359	Joint/Fracture	J
	562485	8744331	WGS84_35S		185	84	275	bedding	s0
	562485	8744337	WGS84_35S		108	50	18	Shearing plane	Z
	562485	8744337	WGS84_35S		192	84	282	sheared beds	Z
	562485	8744337	WGS84_35S		188	81	278	sheared beds	Z
	562485	8744337	WGS84_35S		196	49	286	sheared beds	Z

	562485	8744337	WGS84_35S		189	86	279	bedding	s0
	562485	8744337	WGS84_35S		187	85	277	bedding	s0
	562485	8744337	WGS84_35S		183	77	273	bedding	s0
	562485	8744337	WGS84_35S		184	77	274	bedding	s0
	562485	8744337	WGS84_35S	Finely laminated slatey shale	98	67	8	Vein-fracture	V
	562485	8744337	WGS84_35S		189	86	279	Vein-fracture	V
	562485	8744337	WGS84_35S		274	71	184	Vein-fracture	V
	562485	8744337	WGS84_35S		239	53	149	Vein-fracture	V
	562456	8744363	WGS84_35S		251	42	341	Vein-fracture	V
	562456	8744363	WGS84_35S		356	78	266	bedding	s0
	562456	8744363	WGS84_35S		358	68	268	bedding	s0
	562456	8744363	WGS84_35S		352	71	262	bedding	s0
	562456	8744363	WGS84_35S		350	77	260	bedding	s0
	562450	8744372	WGS84_35S		298	20	208	Fault	F
	562450	8744372	WGS84_35S		267	22	177	Fault	F
	562450	8744372	WGS84_35S		354	61	264	top limb	fd
	562450	8744372	WGS84_35S		342	54	252	top limb	fd
	562450	8744372	WGS84_35S		345	42	255	middle	fd
	562450	8744372	WGS84_35S		340	58	250	middle	fd
	562450	8744372	WGS84_35S		350	81	260	bottom limb	fd
	562450	8744372	WGS84_35S		349	85	259	bottom limb	fd
	562440	8744379	WGS84_35S		96	8	6	Joint	J
	562440	8744379	WGS84_35S		343	81	253	bedding	s0
	562407	8744393	WGS84_35S		154	60	64	Fault	F
	562407	8744393	WGS84_35S		244	60	334	Fault	F
	562407	8744393	WGS84_35S		156	88	66	bedding	s0
k92	562355	8744284	WGS84_35S		260	60	170	top limb	fd
	562355	8744284	WGS84_35S		257	88	167	top limb	fd
	562355	8744284	WGS84_35S		305	22	215	middle	fd
	562355	8744284	WGS84_35S		342	27	252	middle	fd
	562355	8744284	WGS84_35S		316	53	226	middle	fd
	562355	8744284	WGS84_35S		272	66	182	bottom limb	fd
	562355	8744284	WGS84_35S	Carbonaceous shale	288	72	198	bottom limb	fd
	562355	8744284	WGS84_35S		314	65	224	hinge 1	fd
	562355	8744284	WGS84_35S		328	75	238	hinge 1	fd
	562355	8744284	WGS84_35S		276	75	186	hinge 2	fd
	562355	8744284	WGS84_35S		322	25	232	hinge 2	fd
	562302	8744362	WGS84_35S		178	75	88	bedding	s0
	562302	8744362	WGS84_35S		186	75	96	bedding	s0
k93	562296	8744358	WGS84_35S	Black shale	281	36	191	bedding	s0
	562296	8744358	WGS84_35S		258	40	168	bedding	s0

k94	562277	8744339	WGS84_35S	Massive blocky dolomite	350	89	260	bedding	s0
	562277	8744339	WGS84_35S		180	80	90	bedding	s0
	562277	8744339	WGS84_35S		168	88	78	bedding	s0
	562277	8744339	WGS84_35S		201	62	111	bedding	s0
	562277	8744339	WGS84_35S		200	54	110	bedding	s0
	562277	8744339	WGS84_35S		190	55	100	bedding	s0
	562277	8744339	WGS84_35S		91	81	1	Joint	J1
	562277	8744339	WGS84_35S		100	64	10	Joint	J1
	562277	8744339	WGS84_35S		104	65	14	Joint	J1
	562277	8744339	WGS84_35S		356	50	266	Joint	J2
	562277	8744339	WGS84_35S		346	59	256	Joint	J2
	562277	8744339	WGS84_35S		217	40	127	Joint	J3
	562277	8744339	WGS84_35S		203	40	113	Joint	J3
k95	562177	8744250	WGS84_35S						
	562090	8744108	WGS84_35S	Shale	240	16	150	top limb	fd
	562090	8744108	WGS84_35S		302	55	212	hinge	fd
	562090	8744108	WGS84_35S		207	36	297	bottom limb	fd
	562090	8744108	WGS84_35S		220	80	310	bedding	s0
	562090	8744108	WGS84_35S		190	58	280	bedding	s0
	562090	8744108	WGS84_35S		355	64	265	bedding	s0
k96	562041	8743980	WGS84_35S	Dolomitic shale	205	71	295	bedding	s0
	562041	8743980	WGS84_35S		196	55	286	bedding	s0
	562041	8743980	WGS84_35S		196	62	286	bedding	s0
	562041	8743980	WGS84_35S		202	52	292	bedding	s0
	562041	8743980	WGS84_35S		212	62	302	bedding	s0
	562041	8743980	WGS84_35S		186	35	276	bedding	s0
	562041	8743980	WGS84_35S		350	44	260	bedding	s0
	562041	8743980	WGS84_35S		336	85	246	bedding	s0
	562041	8743980	WGS84_35S		224	54	314	bedding	s0
	562041	8743980	WGS84_35S		204	40	294	bedding	s0
	562041	8743980	WGS84_35S		191	51	281	bedding	s0
	562041	8743980	WGS84_35S		189	50	279	bedding	s0
	562041	8743980	WGS84_35S		270	20	180	bedding	s0
	562041	8743980	WGS84_35S		345	77	255	bedding	s0
k97	562047	8743909	WGS84_35S	Soil					

k98	562090	8743857	WGS84_35S	Massive dolomitic shale
k99	562172	8743842	WGS84_35S	Bleached breccia
k100	562185	8743842	WGS84_35S	Purple breccia and slightly weathered talc rich carbonaceous dolomite

Location	Notes	Description of features present	Visible Mineralisation	Alteration
K0			N/A	
	Bottom of the pit face exposure	SD		Oxidised
k1				
k2	The norther portion of the black shale indicates areas of alternating altered and unaltered horizons. Alteration halo around the malachite vein Fine veins tend to cut mineralisation	Alteration zone. Orange grey pink rock with a very granular texture. Clear oxidation pits and malachite mineralisation in the s0 plane.	Malachite-qtz-haematite	Oxidised
k3	different vein Thick vein Thin vein Thin vein	New set of quartz-calcite veins have intruded the unit and are oriented parallel to the bedding planes. Away from the veins the texture of the shale becomes more granular (coarse) with more calcite	Distinctly malachite poor. Pyrite present in vein	

	Thin vein Thin vein Thin vein	more granular (coarse) with more calcite and quartz in the system.		
k4		Orange red coloured shale. Weak mineralisation along the bedding planes	Veins are well mineralised with malachite and azurite. Abundant haematised quartz. Minor brecciation.	Oxidised
k5		Bedding parallel veins present, but with considerably less jointing and veining in comparrison to the intense venation seen in the previous unit	Bedding parallel mineralisation	
k6	suspected bedding suspected bedding suspected bedding suspected bedding Bleached zone (pink-white colour) Bleached zone (pink-white colour) Bleached zone (pink-white colour)	Very fine grained unit with sparse malachite mineralization. Regular jointing and poorly defined bedding planes	Malachite near contact. Proceeding along the section the malachite mineralization is close to 0.	Low level oxidation

k7	Pink colour is the same as that seen on the RAT. The RAT may be altered or is the Pink RAT	Nodules of talc throughout section, however there is a distinct decrese in the proportion of talc and an increase in (haematisation). In effect this pink zone is rimmed by a grey talc zone	No mineralisation	Oxidized?
K8		End of the brecciation from k7		
k9	No planar features to measure	More competant unit that is possibly a salt diapir of a silicified unit that is unmineralised and rimmed by pink alteration	None	Oxidized and silicified
k10		contact between the talc rich layer and the breccia.	Minimal secondary copper mineralisation	brecciated
k11			None	brecciated
k12	Possibly bedding	Massive textured dolomitic shale-dolomite. Light grey fine grained rock with a highly jointed surfaces, but no clear	Minor Azurite veins and haematite	
k13	Upper limb Upper limb Upper limb hinge Lower limb Lower limb Fold axis	Medium grained brown unit. Weathered veins parallel to the bedding plane are present. Interlamination with carbonaceous units further south, also with minimal to no mineralisation. Aproximately 20 meters along the dolomitic shale seen in k12 is present.	None	
k14		The dolomite has a massive texture and a distinct black weathering. No clear laminations		
k15				

		Regularly jointed and physically more competant. Bedding is well defined. Dendrites are very prominent in this layer	Minimal	
k16	Pale yellow alt: - 390-392. Grey unalt :394. Red-Pink alt: - all three. - halo around vein	More strongly fractured unit where fluid rock interactions are present. No fluid entry point visible.	No visible copper staining or mineralisation.	Alteration along vein and joints discolours the rocks. Highly viened. Pale yellow alteration and pink alteration. Oxidised. There appears to be a certain degree of haematisation that permeates the grey brown
k17		Brecciated fault zone in contact with the dolomitic shales. Small scale extensional faults. Highly brecciated along the fault. Further south towards the contact the unit becomes more haematized.	None	High degree of alteration going from pale pink brown red and dark brown
k18				
	3 main sets of joints	Blocky dolomitic shale with haematised joints and veins	None	Haematised joints

k19		the black surface grades into a red/brown colour towards the contact. A fault splay is seen	no obvious mineralisation	jointed
k20		highly weathered dolomitic shale		
k21	Mineralised Mineralised	Fine grained mineralised zone that is more competant. Not as friable as k20. back into the dolomitic shale with black surficial staining. Bedding planes are noy clearly displayed	vein hosted malachite	jointed
k22	Looks like a stockworks/breccia. This unit is much more competant than the other lithologies in the pit. The rock becomes more carbonaceous towards the south. there seems to be an aletrnation between silicified and carbonaceous rock with at least 2 carboaceous dolomites present. Stockworks/brecccia is bound by silicified dolomitic shale (RSC- Roche siliceuse celluarie)	Calcite veins with visible sulphide mineralisation. Veins are haematised and appear to have formed at the same time when they permeated the unit. The upright veins are slightly later if anything. There is a stockwork/brecciation that is confined to this dolomitic layer only. Large "diapir" of silicified material is abutted onto the dolomitic shale unit.	haematised veins and sulphides (CPY)	haematised veins
k23	very steep axis of the fold with short limbs. 404 (2677). Suspected slumping feature 405 + 406 (possibly a thrust fault)	Black organic carbon rich shale. Friable. Large open fold seen with smaller parasitic folding. There is a brecciated dolomite forming part of an anticline.	malachite is present along the fractures but no visible sulphide mineralisation	None-slightly reduced
k24		End of the black shale unit on a large scale fold	Malachite	

k25	409-410	Tight folding of the layers. Folds are verging SE/E		
k26	411. What appears t be lineations is most likely lineations caused by mining activity.	Highly veinated and very fine grained. Talc bearing zones are present. Light brown to grey in color. No evident bedding of measurable structures.	Mineralised with specularite	Talc alteration
k27		poorly consolidated and highly weathered	none	oxidation
k28		The exterior of the previous point		
k29		Massive specularite, talc and haematite altered rock		
k30	Distinctly purple and light grey banding		Specularite and minor haematisation	talc
k31	all the breccias are talc rich and have specularite. Possibly due to enhanced fluid flow	Alteration is confined to the contact (margin) of the breccia.	Specularite and minor haematisation	Talc
k32		Talc rich siltstone with poorly preserved bedding planes		highyl weathered and leached
k33		Talc, specularite, haematite bearing silicified brecciated carbonate. Large scale fold present adjacent to the fold (SW vergent).	Specularite and minor haematisation	Silicification and haematisation. Haematite has permeated into the walls of the surrounding lithologies.
		Fluids controlled by the faulting, causing extensive oxidation		oxidised

extensive oxidation

k34	Bounding fault Ferromanganese oxidation. Possibly not a slickenslide feature	Truncation of beds and contact with soil debris (brecciated)		
k35	Pyrite growth is closely associated with the fault. Possibly fed by the fluid flow causeing the coarse pyrite to form (±2cm)	Talc rich dolomitic shale. Very coarse grained negatively weathered pyrite pits are seen. The pyrite has been altered to haematite where it hasn't been weathered out	Pyrite-Haemaitite	Pyrite alteration.
k36	Fault splays present. Hanging wall up and footwall down (thrust fault)	Breccia infill. Rounded clasts are poorly sorted and highly degraded due to the movement of fluids. Brittle deformation seen in the areas where clasts have been truncated by the incident fault.	Specularite	Haematite rims are clearly seen around clasts and in the matrix of the debris flow. Clear vein alteration and the debris breccia has been altered to talc.
k37	Subvertical bedding planes that are subjected to parasitic folds Mineralised joints	Red at the contact but becoming progressively lighter towards the north. The thin laminations progress into the highly jointed dolomitic sale with black surficial weathering.	Malachite in veins and along the bedding planes	ferromanganese alteration of the surface of the dolomitic shale

	Mineralised vein			
k38	No fractures or joints	Thinlt laminated shale with black	Malachite	Black oxide
k39		Organic carbon rich zone with thin quartz and calcite veins hosting malachite. The organic carbon content alternates from being very organic carbon rich to organic carbon poor.	Malachite	High degree of haematisation on the exposed surfaces with visible phosphate mineralisation on the ground
	Thrust Fault			
k40	low angle fault truncates the beds	Alteranting sequence of haematite and organic carbon rich shale. Malachite is hosted along the bedding plane. Folds are seen	Malachite	Haematisation
k41			secondary haematite	Haematisation
	Verticle fold in the shale unit			

	Verticle fold in the shale unit	The dolomitic shale has been introduced by faulting. Minor carbon rich interbeds of organic carbon rich layers.		
	Verticle fold in the shale unit		Malachite mineralisation is folded with the beds (indicating that the malachite was pre deformation)	
	All the folds appear to have some form of slumping	Dolomitic shale is becoming more coarse grained towards the West of the pit		
k42	Malachite is post folding but syn faulting. The fluids permeate along the bedding planes			
	Coarser grained beds	varies from coarse to fine grained particle sizes along the bedding planes	Malachite in veins and along the bedding planes	
	Fault interaction point Under fault splay between the Fault splay			becomes clearly oxidesed as one proceeds towards the shale unit
k43		Badly decayed at contact		
	Fold 1		Malachite in veins and along the bedding planes. Minor disseminated pyrite seen.	

Fold 2

Fold 3 (large open fold). Synform

	Veining has intensified	Organic carbon rich shale	Malachite	Pink phosphate
k44		alternating interbedding of organic carbon rich shale and carbinaceous shale	none	
k45				
k46	Tight parasitc folds mirirrored in the black shale unit			
k47	sandy layers are are interlaminated in the shalee, possibly ddue to the Eusatcy.		Malachite is bedding	

			Malachite is bedding parallel	
	Faulting has disrupted the layers. The fault separates the brecciated rock from the sandy malachite bearing dolomitic shale.			
	Malachite bearring shale		malachite	
k48		Contact between the dolomitic shale and	Malachite	Vein network (overpressure
k49		Brecciated/ stockwork contact with finely laminated siltstone, which is unbrecciatted and poorly preserved.	Malachite is bedding parallel	minor veining
k50	Equivalent to k33	Thinly laminated carbonate	Specularite	
	F1 F2 F3	Faults are interfering with each other. The carbonaceous shale goes through phases of being a brecciated dolomitic shale		Haematisation and talc alteration. Oxidation zones
	Very talc rich around veins with the purple alteration	Fault with visible wallrock alteration. Quartz-calcite veins are in the fault plane.		
k51		Debris flow zone with the talc altered dolomitic breccia. Well jointed massive talc rich dolostone		

Constant: talc and haematisation. Variable: specularite

	Constant: talc and haematisation. Variable: specularite, weathering , brecciation, massive texture	Degree of weathering and brecciation varies as one progresses North.		
k52				
k53				
k54	Indicate hangingwall up and footwall down			
	Relic bedding plane in a breccia? Major Fault			
k56				
	Possible proof for all the joints being cogenetic	Hoghly weathered at contact but more well preserved the more distal one moves. Purple bands come through in the shale. The closer one is to the contact the more intense the veinging becomes, creating a stockwork	Malachite mineralisation in all joint planes (no preferential joint set)	Black ferromanganese alteration. Intense red phases indicate random oxidation/haeatisation

k57		Variable oxidation and colours	Malachite (vein hosted)	variable oxidation-reduction
				Haematised faults
	Bedding change due to a fold?			
			Azurite and malachite in bedding planes and veins	
	Veins are quartz-calcite in composition and exhibit haematisation along their entire length.	Fault separates a darker shale unit from the more carboniferous shale		
	fold 1			
	Fold 2 (just along ± 3m)			
	Fold 3.			

	Fold 4		
k58	Large scale, very gentle parasitic folds phot	Highly jointed Drag folds in debris flow adjacent to the high angle joint	Black ferromanganese alteration. Minor oxidation
k59			Haematised
k60		folded dolomitic shale	ferromanganese alteration of the surface of the dolomitic shale
k61	same as k58 Fold 1 Fold 2	Intricate fold system	

		Minimal to no mineralisation	oxidation
Fold 3			
	Intense black staining (ferromanganse) on shaley dolomite. Possible a big fols with two limbs		
	Finely laminated dolomite, semi silicified stockwork veins are present		Minor haematisation/Potassic
	From the fold to the next uinit the outcrop is extremely badly preserved.	Malachite bearing	Intense Haematisation
Possibly part of a fold.			
	Bleached purple laminated dolostone		

k63		Beds have been deflected by salt	Weathered pyrite Specularite in fractures, and weathered pyrite.	silicified in parts.
	shallow plunging fold	Units have a dark green colour to them with haematised bands (483)	None	Haematisation
k64-k65			None	Haematisation/potassic and talc alteration

k66		The dolomite grades into a shale which has experienced different phases of	alternating oxidation and reduction phases
k67		Stockwork -like veining with large parasitic folding of the bedding planes. Malachite is strata bound and vein hosted	Malachite
	Part of a large open fold?		Malachite (stratabound and vein hosted)
		6 pimple like silicified structures in the pit	
k68			
2		Black banded carboniferous shale with malachite bearing veins and bedding planes	Malachite (startabound and Veins)
	Pg 74		
		Folds seen in the floor of the pit. No organic carbon found.	

			Highly mineralised with malachite in bedding planes and veins	
k69				
	Large scale gentle fold		None	Haematised qtz veins
k70		contact planes is mineralised	Malachite	
k71				
			Malachite veins and joints	Haematised
	sub vertical			
k72				
			None	reduced (if anything)
k73				
	Fold 1			

		folded beds	none	Haematised
	Fold 2 (synform)			
k74				
	Parasitic folds in a sub vertical plane	contact between black shale and siltstone		
k75				
		Black shale is folded against the dolomitic siltstone layers with malachite in the contact	Malachite	
k76		introduced by a fault. Intense quartz veining	Malachite	
k77		Grading seen in the Sandy layers. The sorting direction indicates overturned beds or regression of the basin system. 487-488- mineralisation is almost like a	Malachite mineralisation is very prominent and is situated in the finely laminated shales which	
		mineralisation appears to exploit	malacite	

		cleavages (489).	malacite	
k78	After fault Fold axis is plunging moderately East.	Gradational contact between siltstone and sandstone. Orange grey in colour. The contact as been subjected to excessive fluid movement and as a result debris flows are common. The bedding planes are becoming less prominent with brecciation becoming more dominant.	none	sparse hameatisation is present Talc alteration. Joinst have been haematised and potassic alteration is present in some areas
k79	Folded beds			Alteration halo around folded breccia. Fractutres have been haematised and undergone potassic alteration
k80				

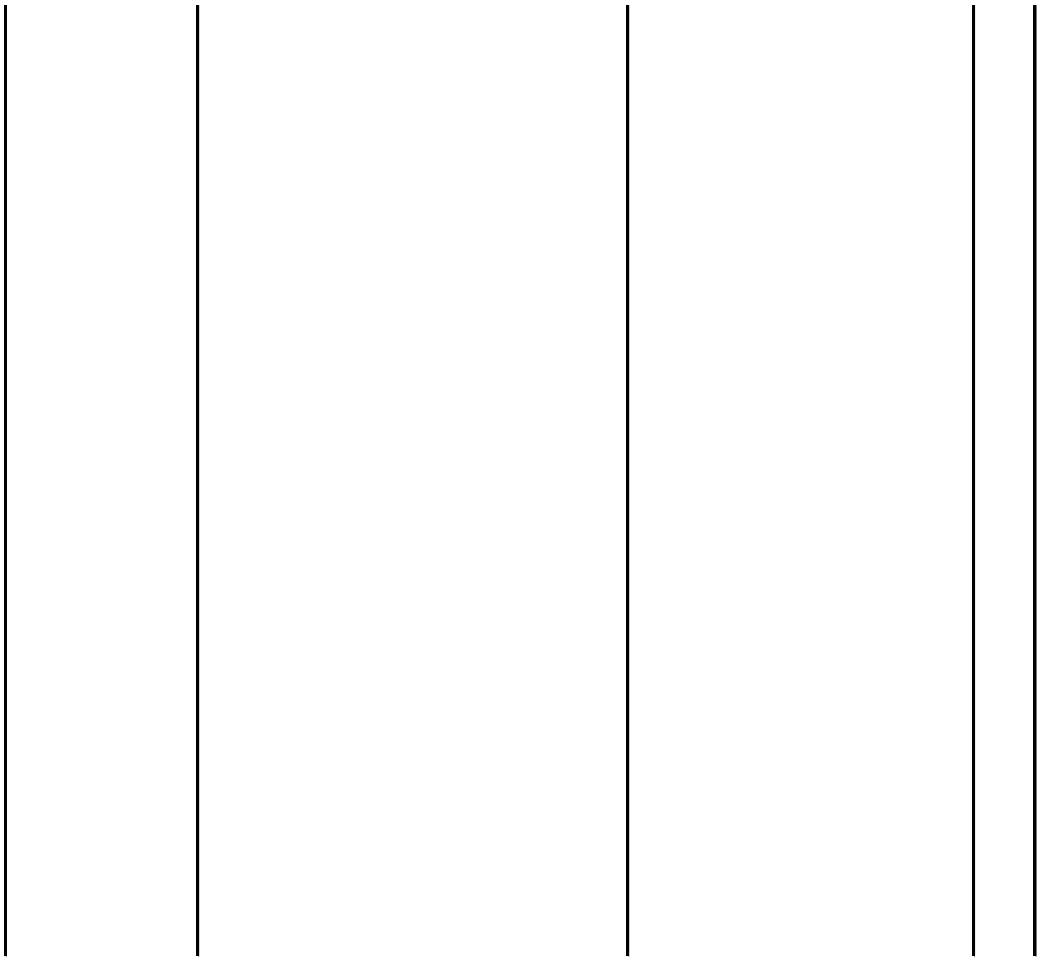
		Bedding planes have been preserved and are coherent to the surrounding lithology	none	
	Visible change in the orientation of the bedding planes..			
k81		Badly brecciated in parts but a definite blocky doloshale seen.	Specularite	Talc. Minor haematisation Potassic alteration
k82				
k83		Alternating laminated and banded dolomitics shale	Specularite	haematised nodules
k84	529	Blocky dolomitic shale with a purple rim	Specularite	Talc-haematite-potassic
k85		Faults tend to be the main cause for alteration	Specularite	Talc-haematite-potassic
k86	530-531	A competent nodule is seen. It is possibly a silicified section of the debris flow		Potassic-talc
k87		Extremely badly weathered		

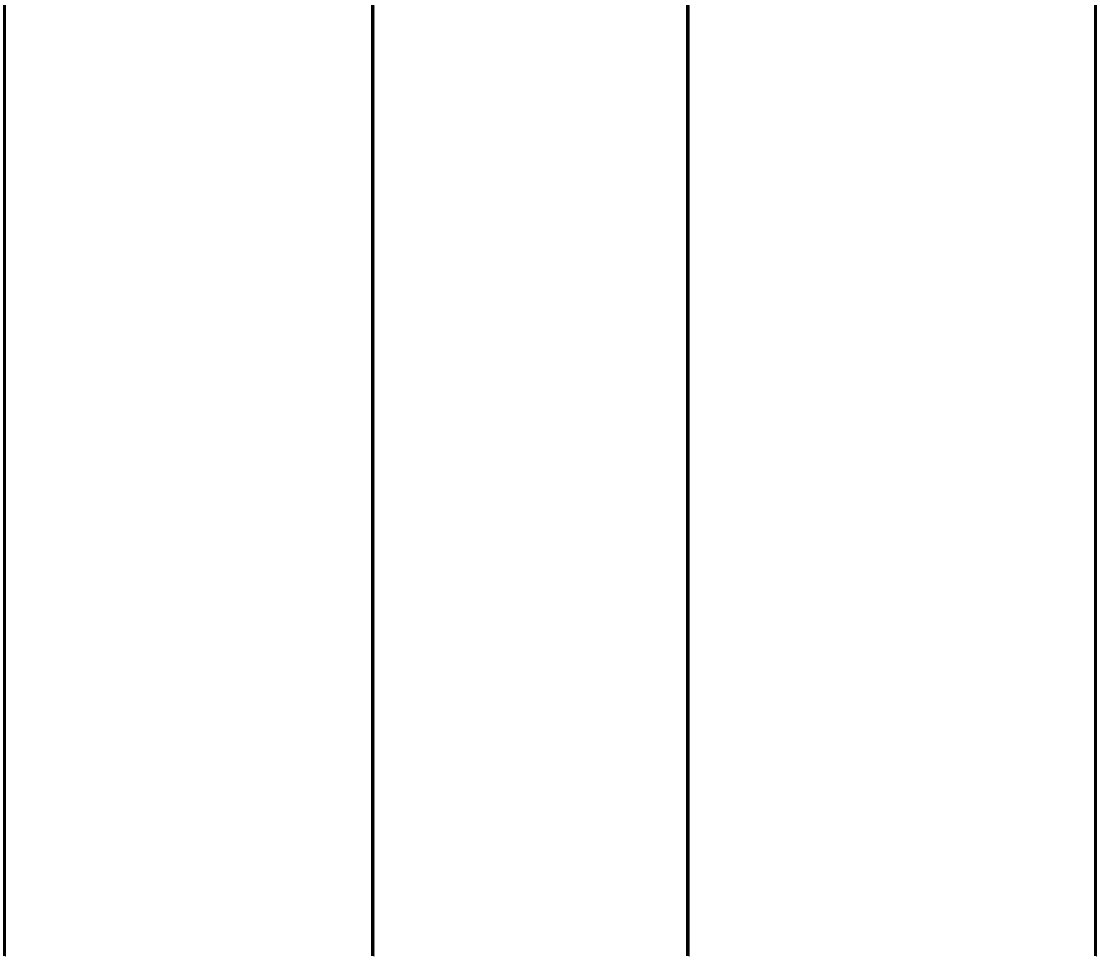
k88	532-535	Alternating contact between the baded dolomite and the brecciated dolomite due to the change in the water level. Calcite talc blebs are seen in the massive dolomite Antiform is present only in the alteration and not within the actual bedding planes. I.e. there is no evident folding. Hydrothermal alteration. Compotent talc rich potassic breccia			Minor silicification seen in the massive purple dolomite. Talc alteration in areas
k89					
k90		Ferromanganses staining		Malachite-specularite	haematite. Breccia looks to be a hydrothermal feature which has exploited joints and fractures-stockworks
k91	Normal fault causing extension. Fault plane has been exploited by overpressure of hydrothermal fluids All joints have been mineralised	Malachite stockwork. Hydrothermal brecciation has cause a stockwork and silicified the siltstone to some degree 2 fracture planes have been mineralised Shear Zone		Malachite	Metasomatism

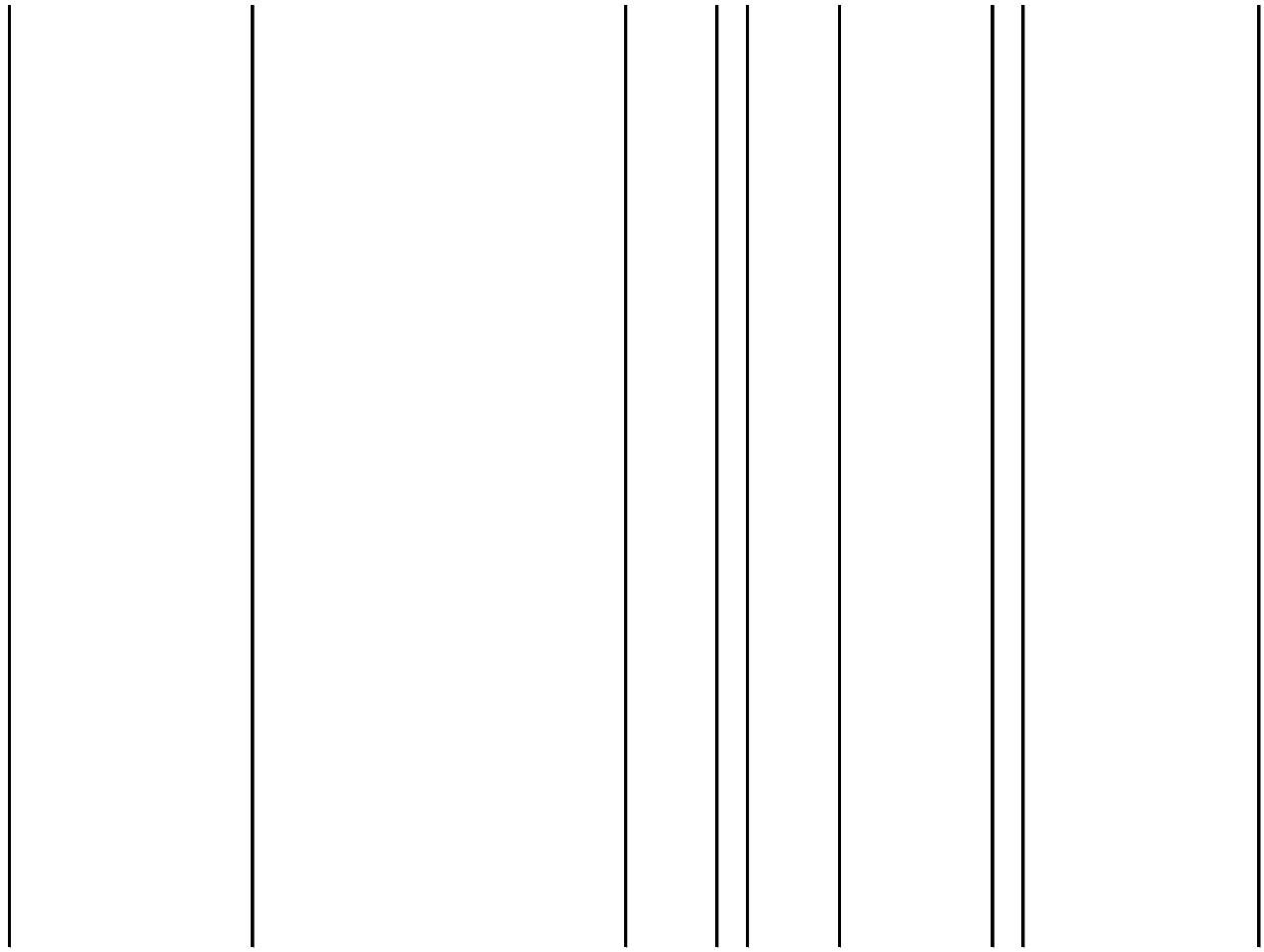
		Finely laminated shale has become more jointed and blocky, with the veins and joints being filled by calcite and quartz	None	reduced (if anything)
		mineralisation is parallel to the bedding planes	Malchite	oxidised zone
		Parasitic fold		
	550 551			
k92				
	552	Thinly laminated shale and dolomite layers with tight parasitic folding	none	potassic
k93		Partially brecciated black shale and thinly laminated dolomitic shale with parasitic		

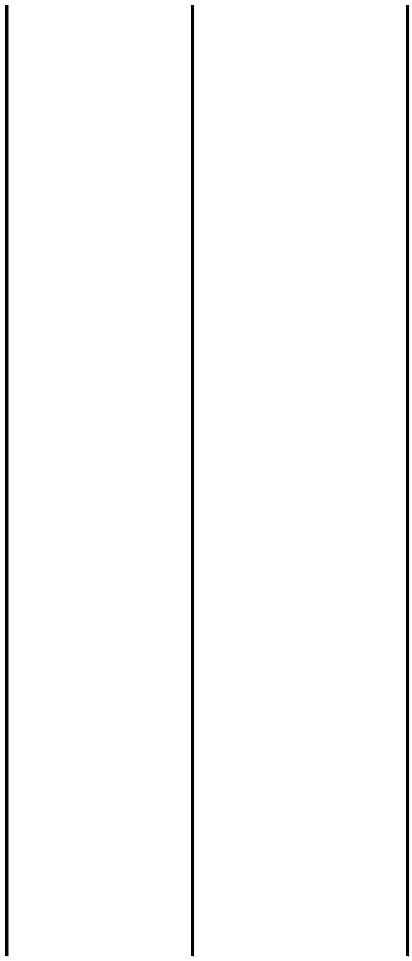
k94					
	556				ferromanganese alteration of the surface of the dolomite. Varying degrees of oxidation. Haematisation along the joints
k95		Poorly preserved carbonaceous material with evidence of debris flows and extensive haenmatisation along fracture planes. Stockwork type veins are seen within the unit	none		Haematisation-talc
	Parasitic fold				
		minor mineralisation in the veins		Malachite	
k96					
k97		minor brecciation and debbris flows			

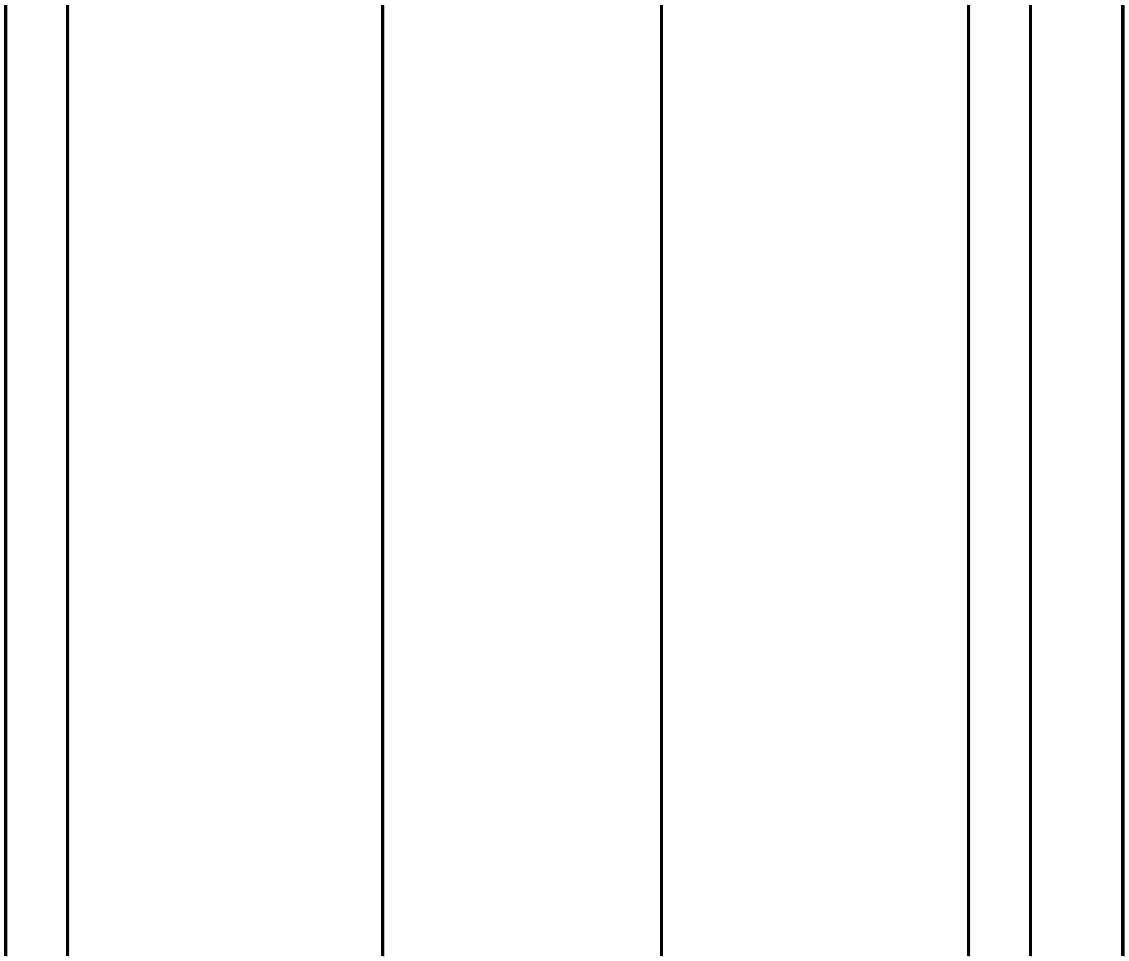
	k98	Badly preserved and highly fractured	Malachite	Haematisation. Can be extremely talc rich in some instances
	k99			
	k100			

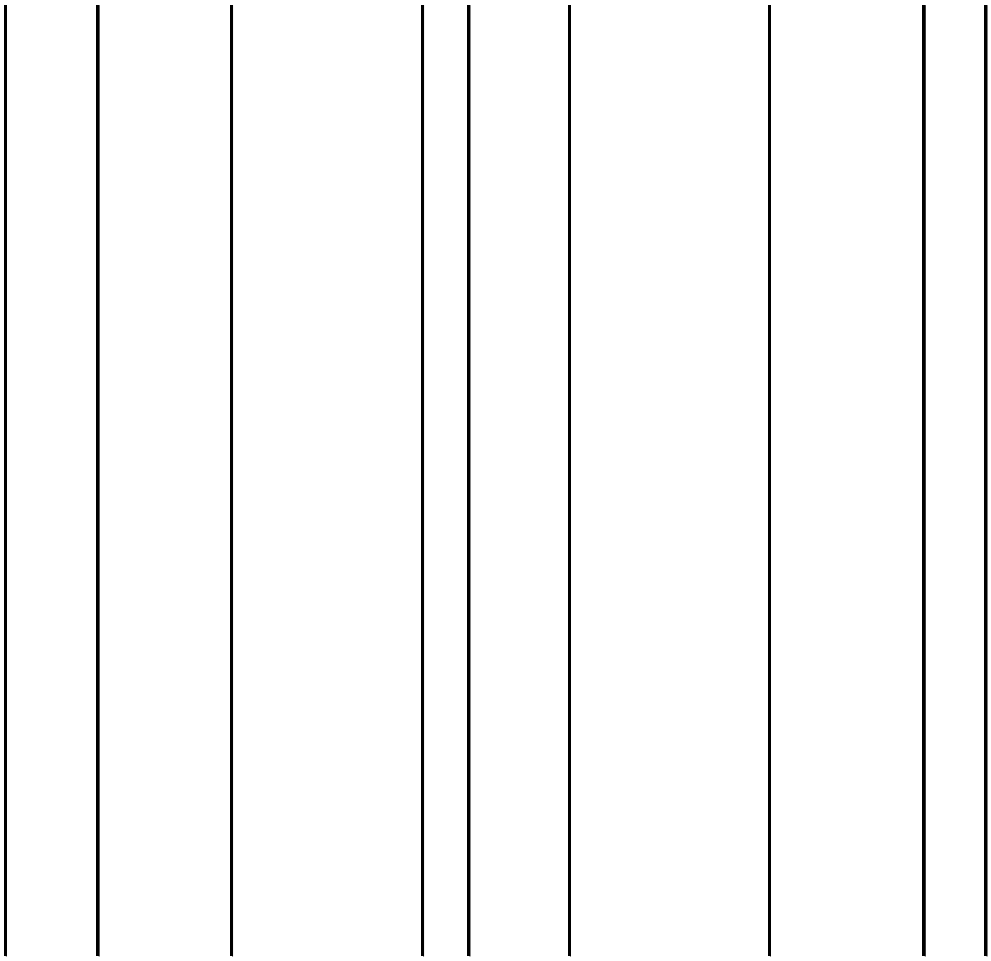


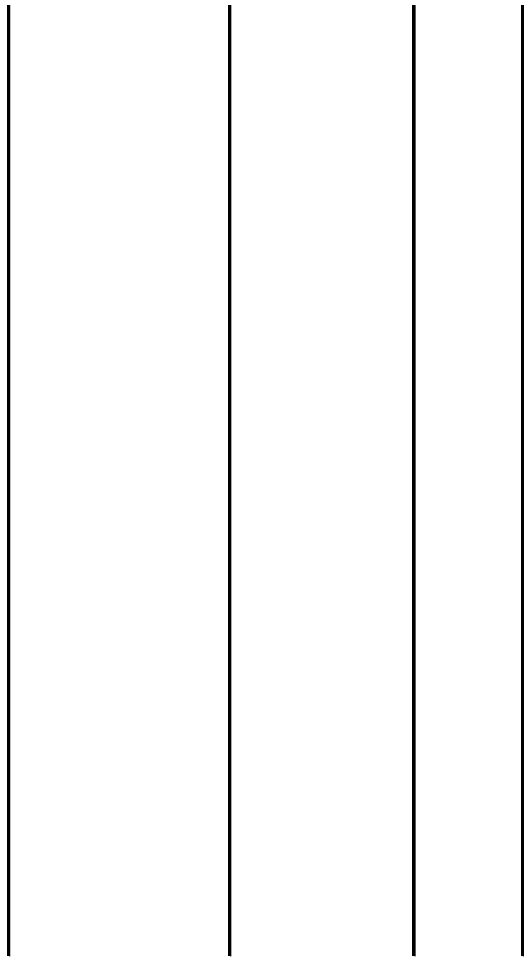


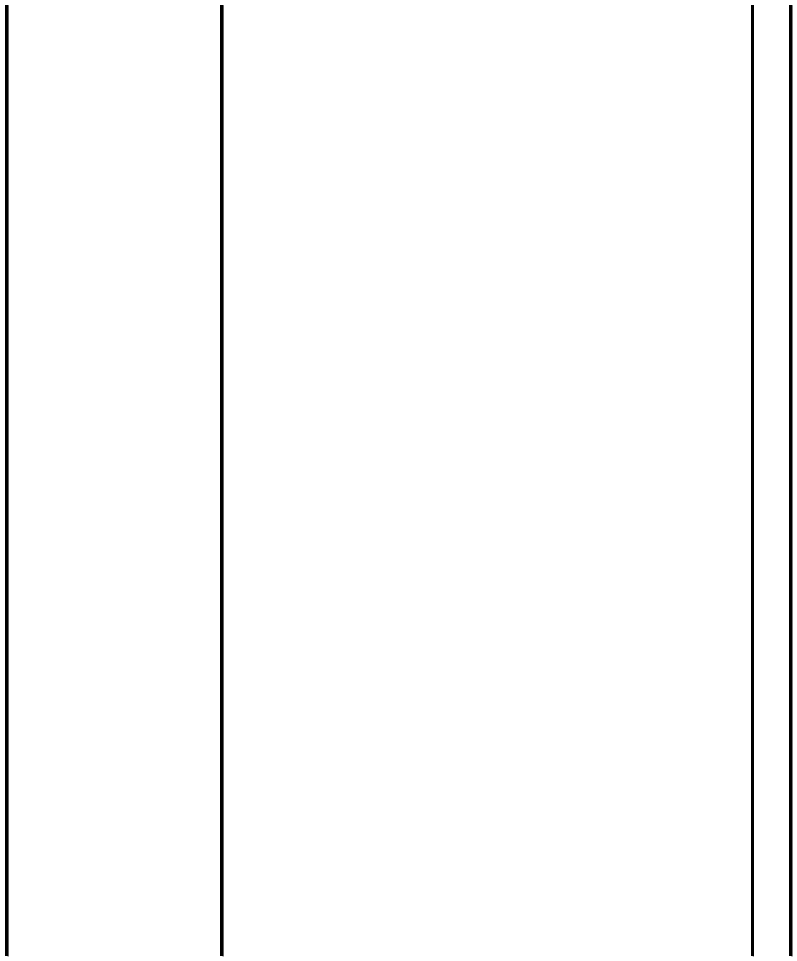


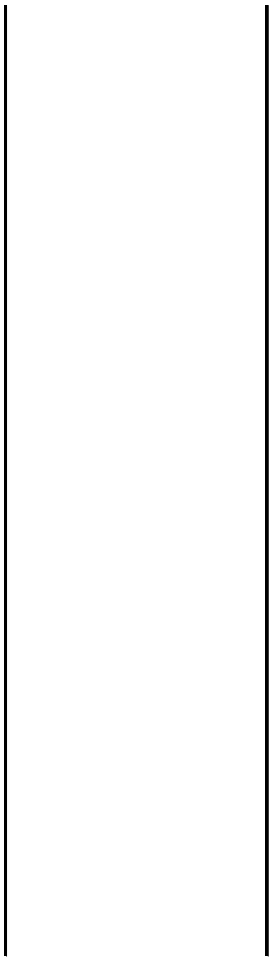


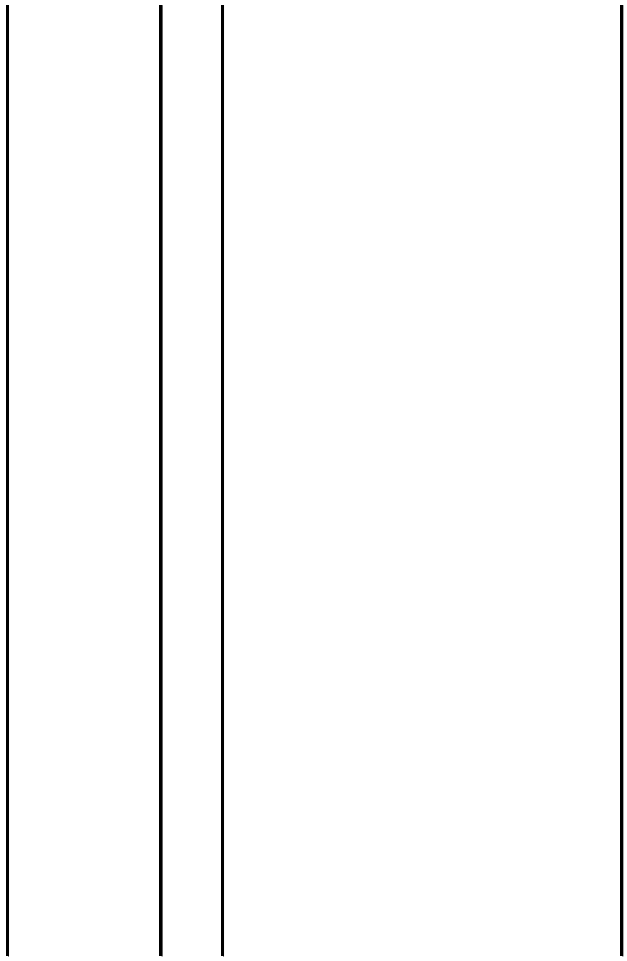


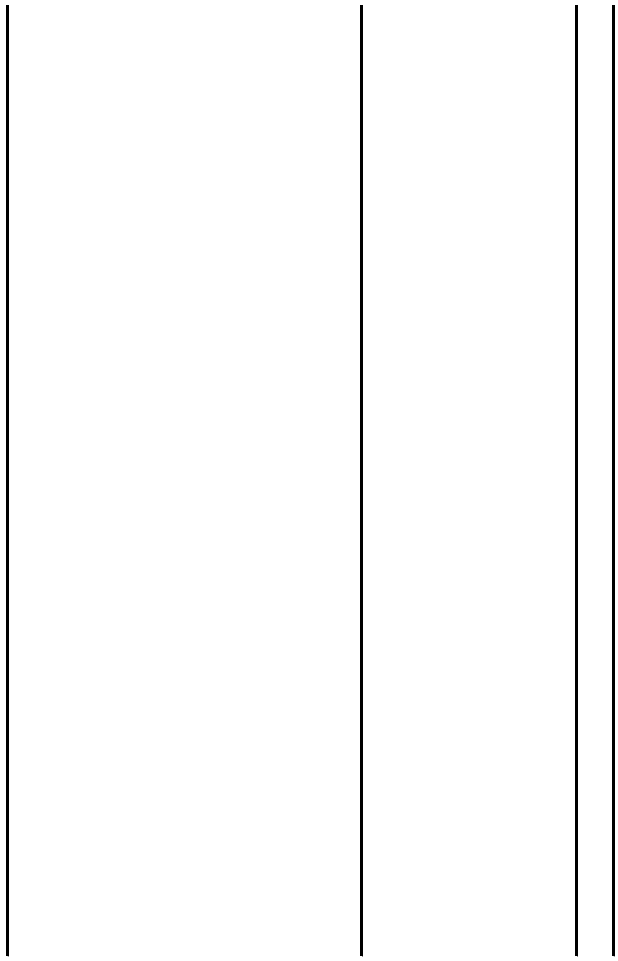


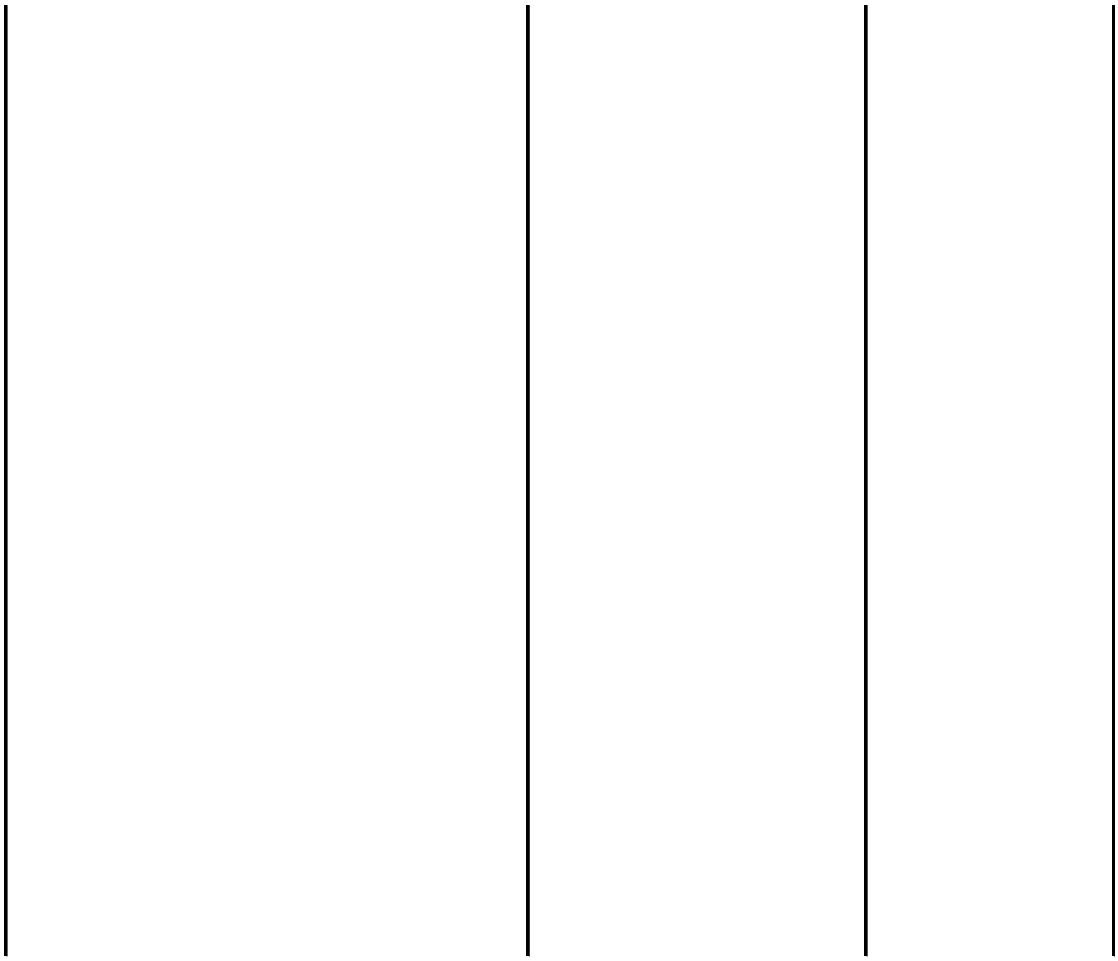


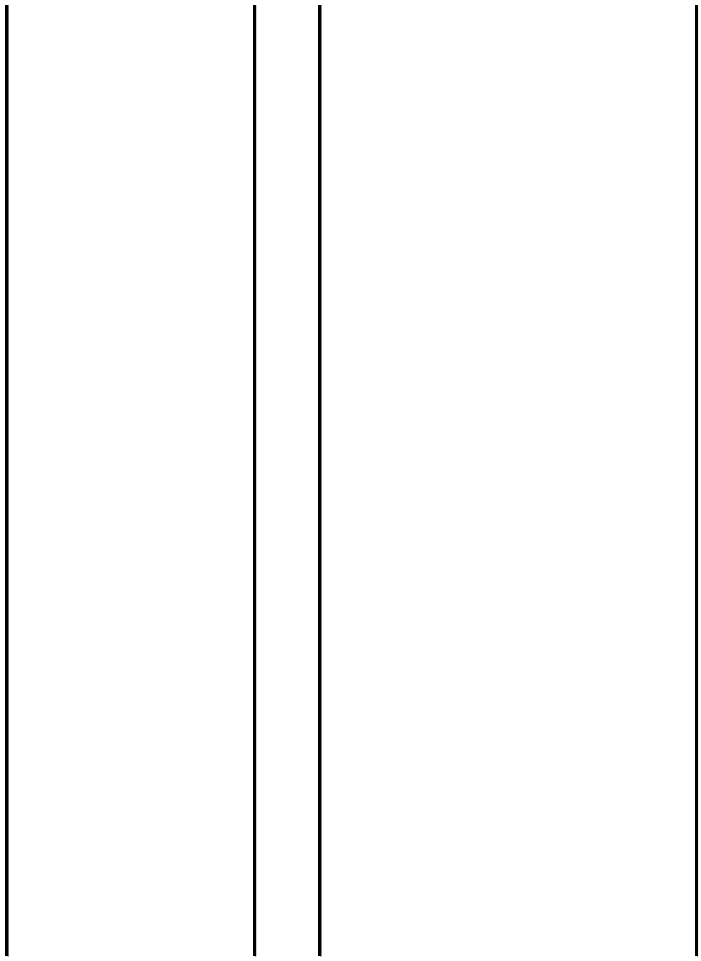


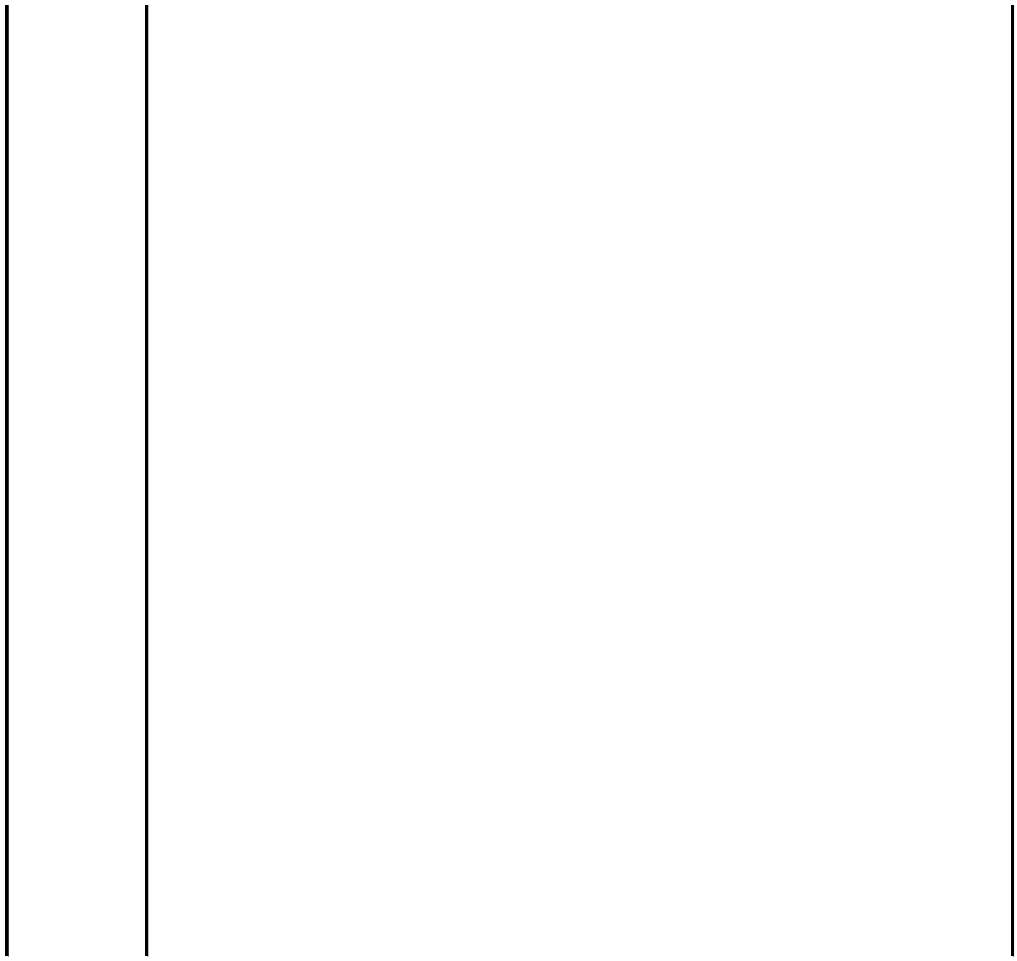


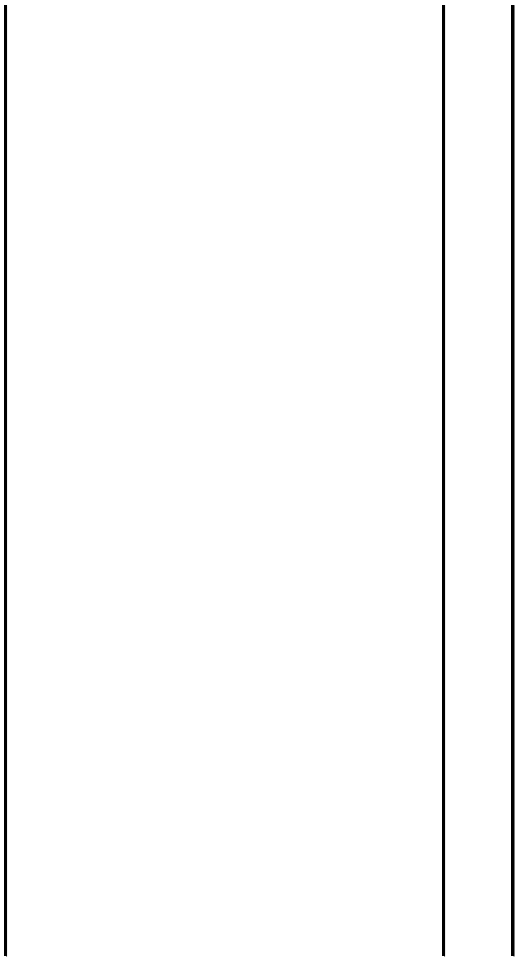


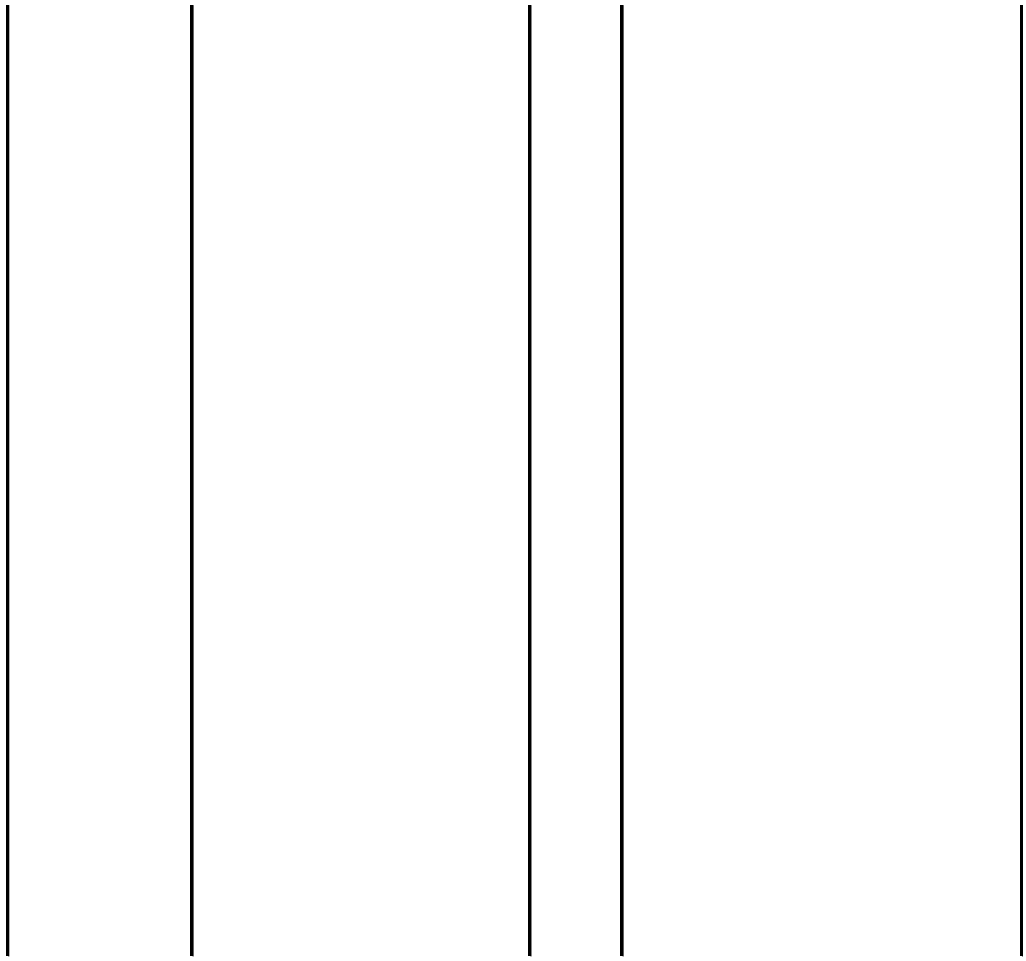


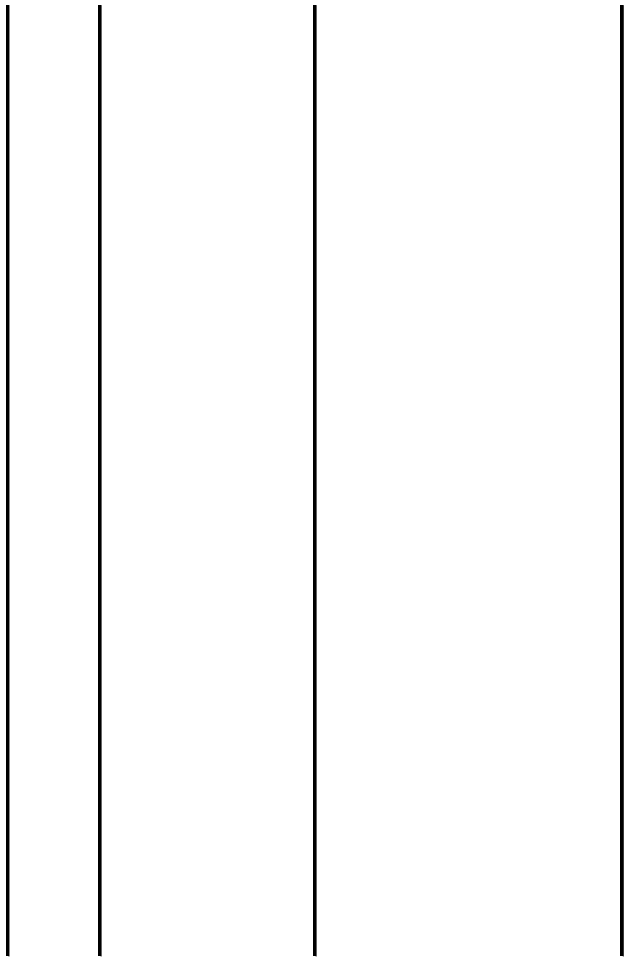


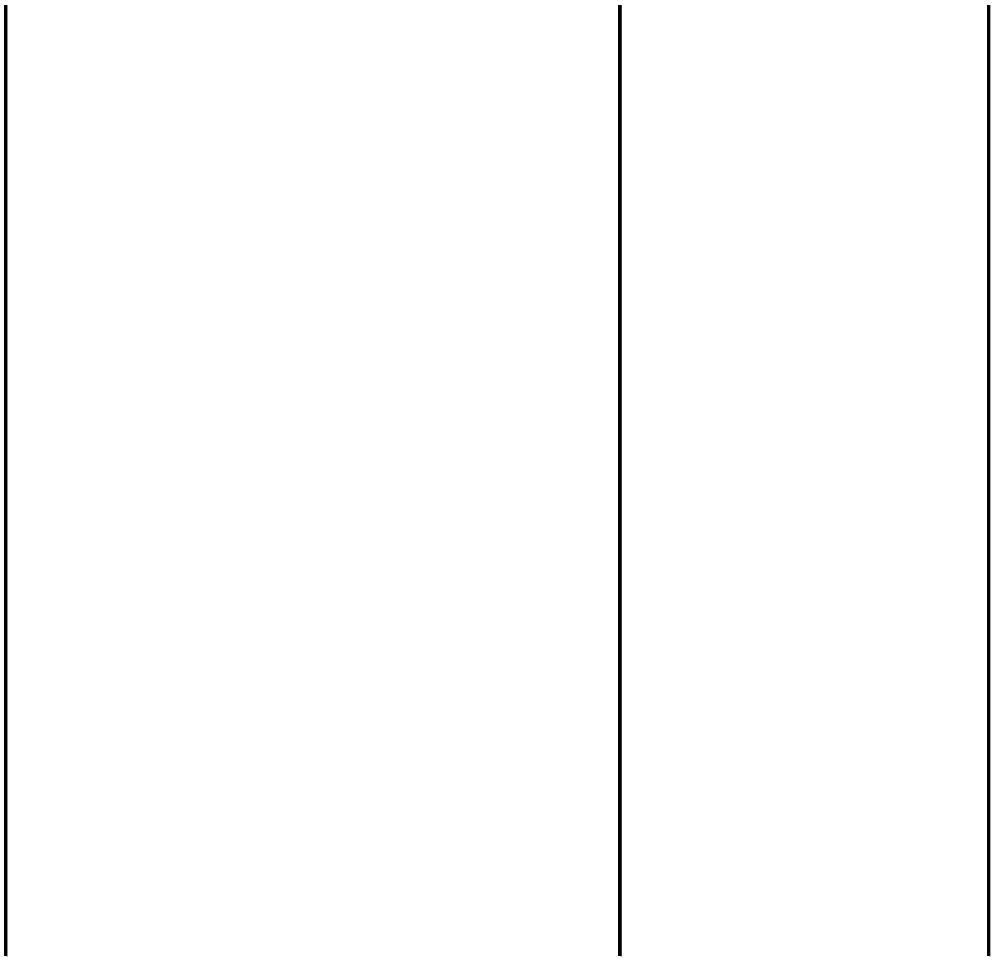


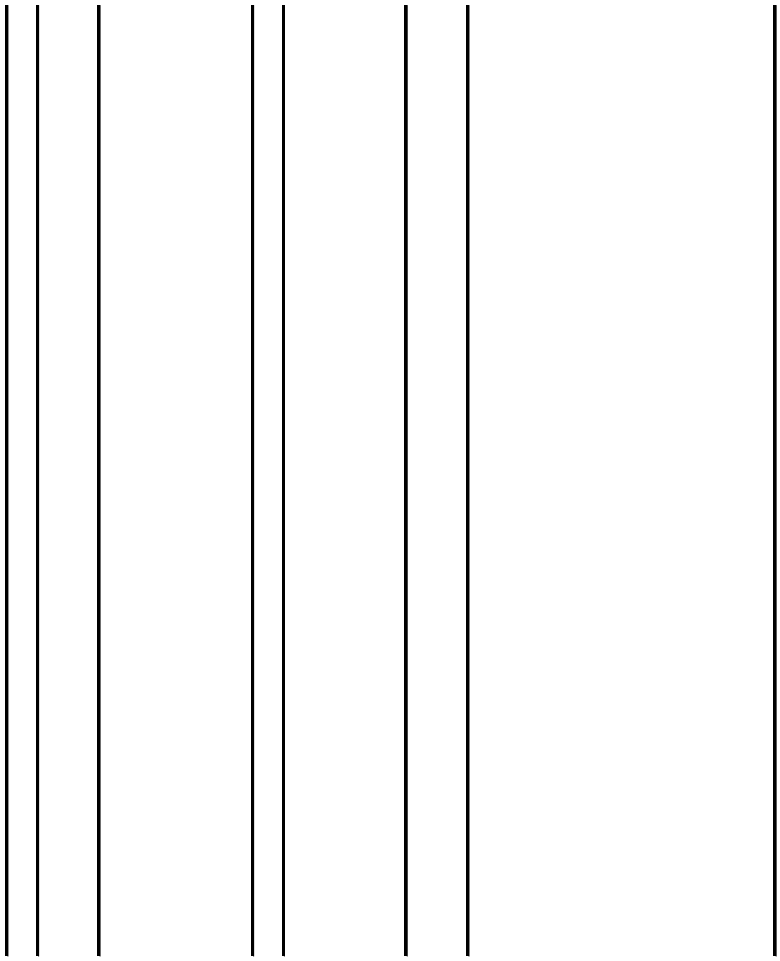


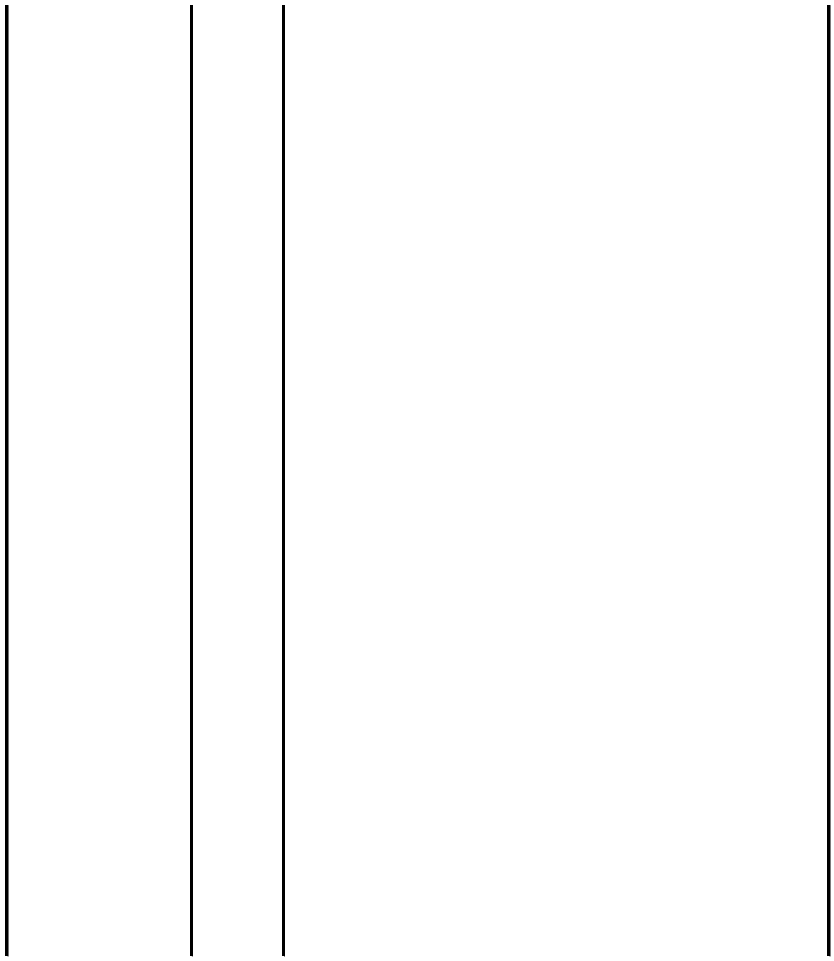


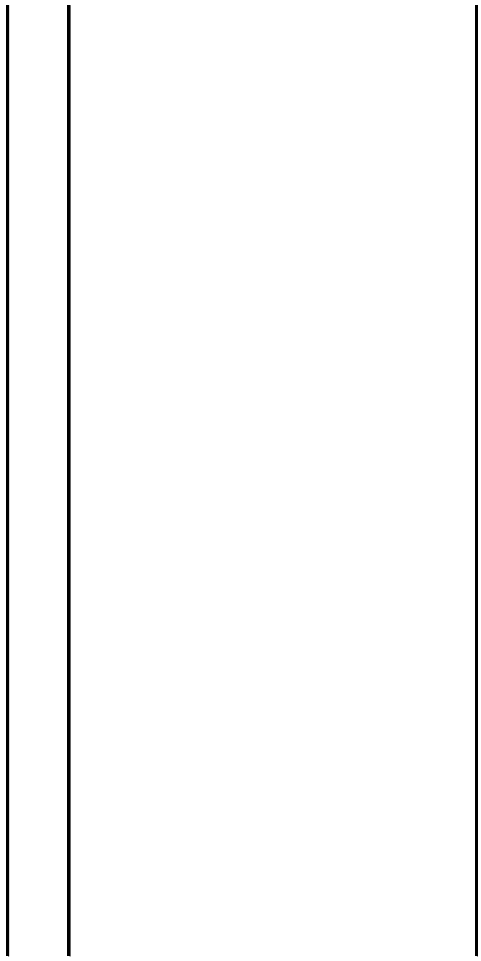


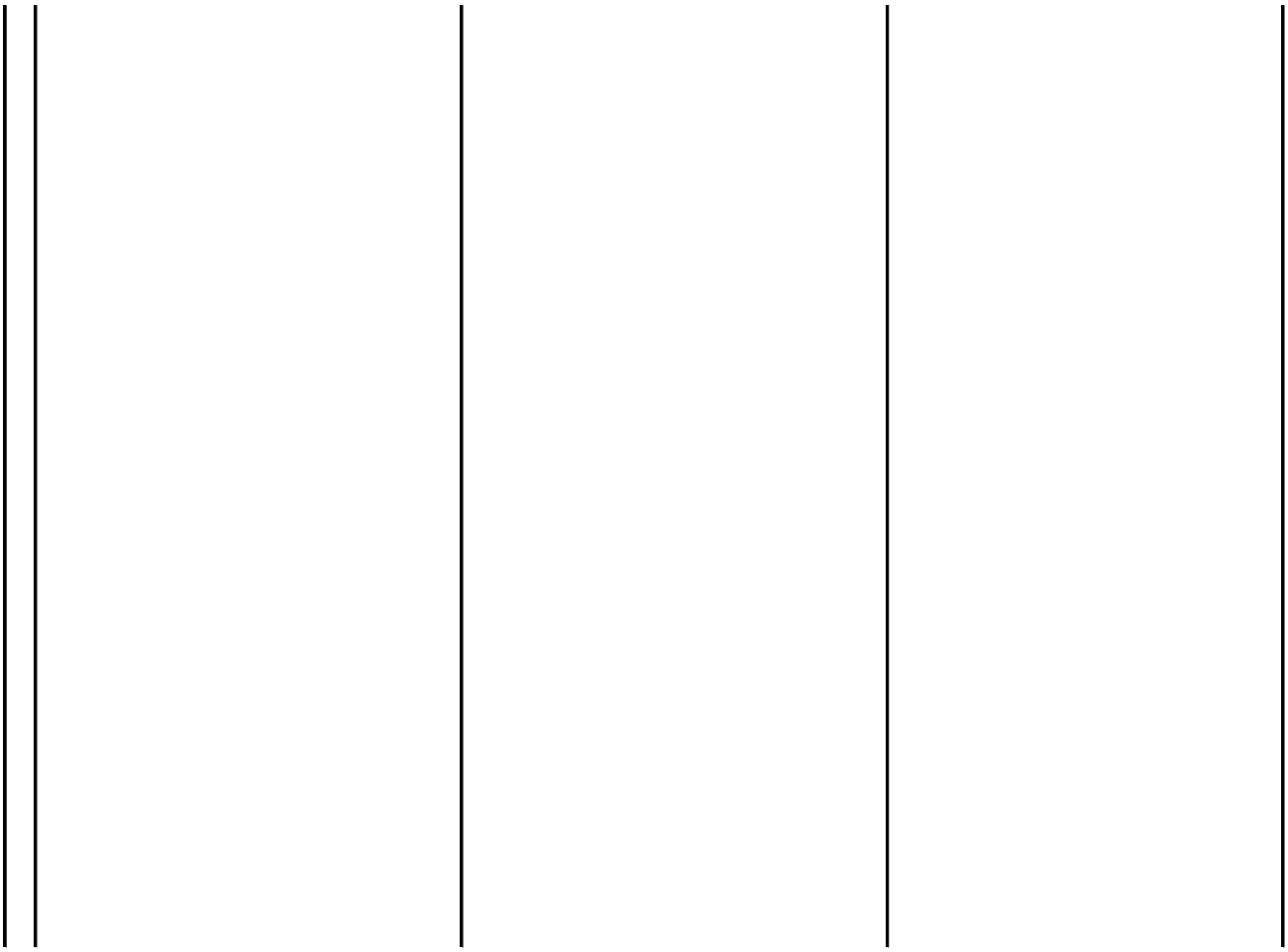


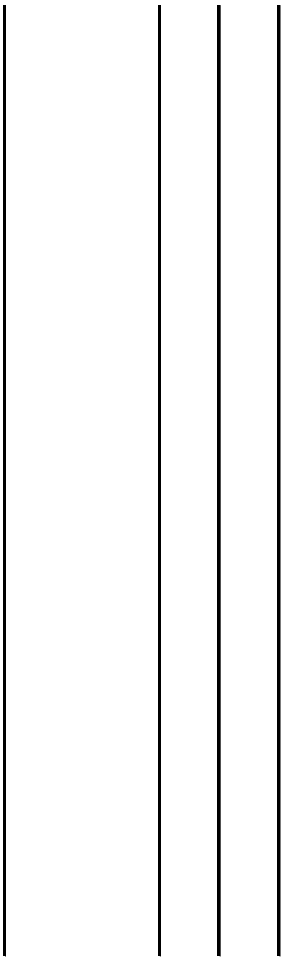












Appendix B – Ruashi Pit 1 measurements and descriptions

Day	Locality	Location		Stratigraphic unit	Mineralisation
		Easting	Northing		
22-Oct	R 1	558805	8715536	Dstrat	Malachite and haematite oxidation
	R 2	558808	8715538	RSF	Malachite (vein hosted)
		558808	8715538		
		558808	8715538		
		558808	8715538		
		558808	8715538		
		558808	8715538		
		558808	8715538		
		558808	8715538		
	R 3	558812	8715540	RSC	Minor malachite in veins and vuggs
	R 4	558815	8715547	SD	Pink Co alteration as well as malachite
		558815	8715547		
		558815	8715547		
		558815	8715547		
	R 5	558820	8715554	SD	Malachite
		558820	8715554		
		558820	8715554		
		558820	8715554	

	R 6	558837	8715580	(Extra)BOMZ	Pink Co alteration as well as malachite
	R 7	558843	8715588	CMN	None
		558843	8715588		
		558843	8715588		
		558843	8715588		
		558843	8715588		
		558843	8715588		
		558843	8715588		
	R 8	558851	8715605	Brecciated CMN	None
		5588900	8715629		
	R 9	558871	8715634	CMN	Veins are mineralised
		558871	8715634		
		558871	8715634		
		558871	8715634		
		558871	8715634		
	R 10	558859	8715629	Fault	Malachite
	R 11			Brecciated CMN	Mineralised by a cross cutting vein
	R 12	558836	8715594	CMN	None
	R 13	558828	8715587		

		558828	8715587	CMN	None
		558828	8715587		
		558828	8715587		
		558828	8715587		
		558828	8715587		
		558828	8715587		
		558828	8715587		
		558828	8715587		
23-Oct	R 13	558818	8715577	CMN	None
		558818	8715577		
		558818	8715577		
		558818	8715577		
	R 14	558818	8715575	SD	Secondary cobalt
		558818	8715575		
		558818	8715575		
		558818	8715575		
		558818	8715575		
		558818	8715575		
		558818	8715575		
	R 14.1	558815	8715565		None
		558815	8715565		
		558815	8715565		
		558815	8715565		
		558815	8715565		
	R 15	5658811	8715561	RSC	Malachite Veins
	R 16			RSF	Rich vein hosted mineralisation in joints and fractures
	R 17	558799	8715547	DStrat	Malachite
		558799	8715547		
		558799	8715547		
	R 18	558795	8715544	MV	Malachite

R 19	558798	8715538	RAT	None
R 20	558779	8715526	RAT and CMN breccia	None
	558779	8715526	CMN Compotent (s0 trends n-s)	None
	558779	8715526		
	558779	8715526		
	558779	8715526		
	558779	8715526		
	558779	8715526		
	558779	8715526		
	558779	8715526		
	558779	8715526		
R 21	558764	8715551	Fault between the CMN varieties	None
R 22	558766	8715532	Contact between Rat and CMN breccia	None
	558766	8715532		
R 23	558832	8715562	Black mineralised Shale (BMS)	Chalcopyrite and pyrite.
	558832	8715562		
	558832	8715562		
	558832	8715562		
	558832	8715562		
R 24	558909	8715498	Black mineralised Shale (BMS)	Chalcopyrite
R 25	558975	8715464	Black shale	Chalcopyrite
	558975	8715464		
	558975	8715464		
	558963	8715455		
	558963	8715455		
	558963	8715455		
	558963	8715455		
	558963	8715455		
	558963	8715455		
	558963	8715455		
	558963	8715455		

		558963	8715455		
		558963	8715455		
	R 26	558956	8715431	RSC	Chalcopyrite
	R 27	558952	8715408	RSF (transitional zone)	Chalcopyrite
24-Oct	R 28	558952	8715422	RSF (transitional zone)	Pink sullphate which has been weathered from fractures and veins Secondary Co
		558952	8715422		
		558952	8715422		
		558952	8715422		
		558952	8715422		
		558952	8715422		
	R 29	558952	8715428	RSC	
	R 30	558979	8715429		
	R 31	559025	8715388		
	R 32	558976	8715412	Black shale	Primary sulphides
		558976	8715412		
		558976	8715412		
	R 33	558978	8715407	RSC	Malachite and 2nd Co
	R 34	558997	8715398	Transition zone of RSF and RSC	Chalcopyrite and Carrolite. Disseminated blebs are the main texture of the sulphides
		558997	8715398		
		558997	8715398		
		558997	8715398		
		558997	8715398		
		558997	8715398		
	R 35	559037	8715374	RSF transition	Malachite (oxide facies). Chalcopyrite and carrolite (Sulphide facies)
		559037	8715374		
	R 36	559121	8715355	RSC	
	R 37	559125	8715367	SD	None
		559125	8715367		
	R 38	559134	8715344	RSF	Malachite
		559134	8715344		
		559134	8715344		
		559134	8715344		
		559134	8715344		
		559134	8715344		
		559134	8715344		

	559134	8715344		
	559134	8715344		
	559134	8715344		
	559134	8715344		
	559134	8715344		
R 39	559136	8715331	MV	Malachite
	559136	8715331		
R 40	559140	8715326	RAT	None
R 41	559144	8715397		
	559144	8715397	SD	Malachite and minor azurite. Mineralisation is bedding parallel as well as vein hosted
	559144	8715397		
	559144	8715397		
	559144	8715397		
	559144	8715397		
R 42	559146	8715411		
	559146	8715411		
	559146	8715411	Fold in the SD	Malachite
	559146	8715411		
	559146	8715411		
	559146	8715411		
	559146	8715411		
	559146	8715411	SD	Malachite
	559146	8715411		
R 43	559150	8715427		
	559150	8715427	CMN	No mineralisation
	559150	8715427		
	559152	8715436		
R 44	559221	8715464	CMN-BOMZ contact	Malachite and Cobalt
R 45	559213	8715464		
	559213	8715464		
	559213	8715464	BOMZ-SD contact	Malachite and Cobalt carbonate
	559213	8715464		
	559213	8715464		
	559213	8715464		
R 46	559160	8715435		
	559160	8715435	SD	
	559160	8715435		

25-Oct	R 47	559192	8715457	CMN?SD?	
		559192	8715457		
		559192	8715457		
		559192	8715457		
	R 48	559162	8715440		
		559162	8715440		
		559162	8715440	SD	Ferromanganese oxide
		559162	8715440		
		559162	8715440		
		559162	8715440		
		559162	8715440		
		559162	8715440		
	R 49	559158	8715427		
		559158	8715427		
		559158	8715427		
		559158	8715427	SD	
		559158	8715427		
		559158	8715427		
		559158	8715427		
	R 50	559157	8715407		
		559157	8715407		
		559157	8715407		
		559157	8715407	SD	
		559157	8715407		
		559157	8715407		
		559157	8715407		Malachite
		559157	8715407		
	R 51	559153	8715396		Malachite
		559153	8715396	SD	
		559153	8715396		
	R 52	559154	8715388		Malachite
		559154	8715388	SD	
		559154	8715388		
	R 53	559158	8715365	RSC	
	R 54	559204	8715304	MV	Malachite and heterogenite

R 55	559196	8715313	DStrat	Chalcopyrite and carrolite. Malachite mineralisation is evident along the fractures
	559196	8715313		
R 56	559181	8715330	RSC	Sulpides have been oxidised out
R 57			SD	Malachite and haematite
R 58	559161	8715369	Contact between SDB-SDS	
	559161	8715369		
	559161	8715369		
R 59	559158	8715395	SD	Malachite
	559158	8715395		
	559158	8715395		
	559158	8715395		
R 60	559167	8715417	SD	
	559167	8715417		
	559167	8715417		
	559167	8715417		
	559167	8715417		
	559167	8715417		
	559167	8715417		
	559167	8715417		
R 61	559173	8715428	SD	
	559173	8715428		
	559173	8715428		
	559173	8715428		
	559173	8715428		
	559173	8715428		
	559173	8715428		
R 62	539181	8715432	SD-BOMZ contact	Malachite
R 63	559229	8715458	BOMZ-CMN contact	Malachite, azurite and Pink Co- carbonate
	559229	8715458		
	559229	8715458		
R 64	559173	8715406	SD	Bedding parallel mineralisation of malachite

	559173	8715406		
R 65	559168	8715398		
	559168	8715398	SD	Malachite
	559168	8715398		
	559168	8715398		
	559168	8715398		
R 66	559173	8715361	SD	Malachite
R 67	559186	8715337	RSC	Malachite
R 68	559202	8715314	RSF (sulphide-oxide boundary)	Malachite and oxidezed chalcopyrite and carrolite
	559202	8715314		
R 69			DStrat	
R 70	559212	8715303	MV	Heterogenite
R 71			RAT breccia	
R 72	559275	8715281	DStrat	Malachite, azurite and Pink Co- carbonates. Chalcopyrite and carrolite sulphides
R 73	559290	8715271	MV	
R 74	559328	8715259		
	559328	8715259	MV	
	559328	8715259		
R 75	559378	8715228	MV-BOMZ contact	
R 76	559211	8715306	DStrat	
R 77	559284	8715336		
	559284	8715336		
	559284	8715336		
	559284	8715336	SD	
	559284	8715336		
	559284	8715336		
	559284	8715336		

Alteration	Texture/Appearance	Str Strike
Black Fe/Mn oxidation (surficial only)	Massive	~
Highly oxidised with balck ferromanganese prcipitate forming on the exposed surfaces	Thinly laminated	~ 136 124 122 128 120 125 125
Silicification (possible albitisation)	Massive nodular dolomite	
A small degree of silicification	Highly fractured and poorly preserved	 122 312 308
Regular jointing and oxidation	Alternating oxidized and normal bands	306 308 310 316 219 230 222 220 135 244 230 225 306 314 116 128 302 304

Black, friable, organic carbon rich shale	Inherits bedding planes parallel to SD	
	Brecciated and Laminated	236 218 226 211 238 118
Black Fe/Mn oxidation (surficial only)	Brecciated	280 200
Black Fe/Mn oxidation (surficial only)	Refolded folds	279 283 260 260 166
Oxidation		237
N/A	Brecciated	312 312 305 311 314 314 204 226 218 212 202 189 252 287 258 268 264 242 225 228
Black Fe/Mn oxidation (surficial only)		
		224

Heavily oxidised quartz and calcite veins.		314 310 212 226 224 138 176 184
Oxidised		306 300 310 390
Co precipitate (possibly sphaerocobaltite or roselite)	Contact between CMN and SD	307 322 318 284 287 256 286
Schistocity	Highly fractured and poorly preserved	159 160 198 184 90
Silicification (possible albitisation)	Massive and vuggy.	
Silicification	Finely laminated silicified dolomitic shale.	122 116 309 387 394
Silicified	Laminated	128 314 311
Talc rich	Massive	

Talc rich	Brecciated	
RAT is talc rich	Brecciated	
Oxidation	Bedding planes seen trending roughly N-S	180 166 170 166 158 213 238 216 33
NA	NA	266
Oxidized	Contact (reverse) fault	252 283
Alteration of SD into BMS	Friable material	304 127 300 194 124
Black organic carbon rich shale is silicified	Silicified material	286
Oxidied	friable	283 281 275 104 106 144 107 106 90 355 100

		102
		189
Silicified	Massive	
black (transition zone)	Silicified and thinly laminated	
Black laminated shale. Secondary cobalt alteration	Silicified and thinly laminated	341
		215
		102
		91
		104
		106
Silicification	The RSC unit is nodular and highly silicified.	
Conjugate fault set	Black transitional shale	203
		219
		114
	Contact is s0 parallel	119
Bedding parallel silicification.	The veins are perpendicular to the bedding planes and are mineralisaed with Chalcopyrite and carrolite	126
		124
		112
		213
		293
		109
Transition from silicifie RSF to the siliceous black shaley RSF. Extensive haematisation		104
	Quartz-calcite vein	186
		90
		269
		264
Oxide zone. Silicification	Thinly laminated silicified dolomitic shale	270
		266
		259
		276
		288
		282
		288

		270
		108
		92
		274
		280
	Poorly expressed layers of the dolomitic shale	259
		250
Breccia	Breccia	90
		250
	SD has been overpressured with mineralised fluids	284
		272
		186
		210
		271
Fold	Dolomitic shale	282
		274
		286
		96
		106
		110
		126
		108
		289
		266
		92
		104
Brecciated towards the North		90
		90
		284
	Folded orgnic carbon rich shaley dolomite. Highlly friable.	305
		284
		213
		288
		288
Oxidised	Gradational contact	108
		107
		120

Tightly folded verticle beds. Highly veinated with siliceous veins intruding the parallel to the bedding plane. Black lateritic soil covering the surface.	The bedding planes vary from steeply dipping, NE-SW trending planes to gently dipping E-W planes	269 270 128 113
Folded	Laminated dolomitic shale that has been folded	96 110 97 117 104 268 124 121
Jointed	Blocky and jointed	202 196 177 377 124 115 281
Large scale antiform (gentle)	Bolcky	268 90 257 268 310
		280 275 264
		354 99 266
		318 282 94
		90
		90

		282
		276
Oxidation		90
Silicification and oxidation	Black /dark grey in colour with south dipping beds	292
		298
Folded	Thinly laminated dolomitic shale	283
		298
		288
	Highly influenced by the influx of mineralised fluids	264
		292
		268
		282
Drag fold	Possible shearing	112
		90
		276
		298
		274
		266
		107
		102
Folded SD		103
		110
		104
		102
		106
		97
		100
		90
	Laminated dolomitic shale that has been folded	118
		96
		114
Large scale fold	The SD unit has bands in it which represent oxidised and reduced conditions.	284

		265
Undulating fold system	Black Friable unit in the Sd, however it is not the BOMZ	229 222 124 156 200
Silicification	The silica rich and silica poor SD units can be imagined as cyclic. The Silica poor SD is thinly laminated, whereas the Si rich SD has a massive texture	251
		90
Transitional zone	Possible boundary of the sulphide zone.	263 251
Minor BOMZ present in the DStrat		90
	Highly influenced by the influx of mineralised fluids- veined	90
		90
		262
	Fold	263 322 260
		90
		90
	Fold	290 288 290 296 314 210 197

uctural Measurements		Geological Feature	Feature symbol	SSWIN Code
Dip	Dip direction			
~	~	Contact between RAT and DStrat	~	NA
~	~	Contact between DStrat and RSF	~	NA
79	226	Vein	V	36
75	34	Bedding	s0	1
86	32	Bedding	s0	1
80	38	Bedding	s0	1
88	30	Bedding	s0	1
90	35	Bedding	s0	1
79	35	Bedding	s0	1
~	~	~	~	~
86	212	Bedding	s0	1
82	222	Bedding	s0	1
35	218	Bedding	s0	1
75	216	Bedding	s0	1
80	218	Bedding	s0	1
82	220	Bedding	s0	1
82	226	Bedding	s0	1
72	129	Joint 1	J	16
86	140	Joint 1	J	16
88	132	Joint 1	J	16
72	130	Joint 1	J	16
4	45	Joint 2	J	16
26	334	Joint 2	J	16
42	320	Joint 2	J	16
37	315	Joint 2	J	16
63	216	Fold top	Fd	53
68	224	Fold top	Fd	53
44	26	Fold mid	Fd	53
54	38	Fold mid	Fd	53
62	212	Fold bot	Fd	53
62	214	Fold bot	Fd	53

16	146	Fold limb 1	Fd	53
22	128	Fold limb 1	Fd	53
23	136	Fold limb 1	Fd	53
20	121	Fold limb 2	Fd	53
21	148	Fold limb 2	Fd	53
20	28	Fold limb 2	Fd	53
32	190	Bedding?	s0	1
77	290	Vein	V	36
52	189	Fold 1	Fd	53
52	193	Fold 1	Fd	53
52	170	Fold 2	Fd	53
48	170	Fold 2	Fd	53
61	76	Vein	V	36
88	327	Fault	F	21
64	222	Fold/Bedding1	Fd	53
70	222	Fold/Bedding1	Fd	53
54	215	Fold/Bedding1	Fd	53
54	221	Fold/Bedding1	Fd	53
80	224	Fold/Bedding1	Fd	53
78	224	Fold/Bedding1	Fd	53
23	114	Fold/Bedding2	Fd	53
12	136	Fold/Bedding2	Fd	53
26	128	Fold/Bedding2	Fd	53
32	122	Fold/Bedding2	Fd	53
22	112	Fold/Bedding2	Fd	53
18	99	Fold/Bedding2	Fd	53
52	162	Fold/Bedding3	Fd	53
58	197	Fold/Bedding3	Fd	53
52	168	Fold/Bedding3	Fd	53
50	178	Fold/Bedding3	Fd	53
57	174	Fold/Bedding3	Fd	53
38	152	Fold/Bedding3	Fd	53
60	315	Vein (min)	V	36
52	318	Vein (min)	V	36
53	314	Vein	V	36

82	224	Bedding	s0	1
76	220	Bedding	s0	1
80	122	Joint1	J	16
72	136	Joint1	J	16
75	134	Joint1	J	16
23	48	Joint2	J	16
50	86	Joint2	J	16
20	94	Joint2	J	16
70	216	Bedding	s0	1
75	210	Bedding	s0	1
76	220	Bedding	s0	1
73	300	Vein	V	36
70	217	Fold limb top	Fd	53
70	232	Fold limb top	Fd	53
72	228	Fold limb top	Fd	53
80	194	Fold limb bot	Fd	53
88	197	Fold limb bot	Fd	53
78	166	Fold limb bot	Fd	53
80	196	Fold limb bot	Fd	53
32	69	Bedding	s0	1
38	70	Bedding	s0	1
38	108	Bedding	s0	1
50	94	Bedding	s0	1
		Lineation	L	

88	32	Bedding	s0	1
89	26	Bedding	s0	1
84	219	Bedding	s0	1
6	297	Fracture/Vein	V	36
16	304	Fracture/Vein	V	36
88	38	Bedding	s0	1
78	224	Bedding	s0	1
84	221	Bedding	s0	1

67	90	Bedding	s0	1
39	76	Bedding	s0	1
40	80	Bedding	s0	1
24	76	Bedding	s0	1
44	68	Bedding	s0	1
6	123	Bedding	s0	1
8	148	Bedding	s0	1
21	126	Fault	F	21
14		Lineation	L	
78	176	Fault	F	21
44	162	Fault	F	21
32	193	Bedding	s0	1
82	214	Bedding	s0	1
88	37	Bedding	s0	1
83	210	Bedding	s0	1
74	104	Vein	V	36
81	34	Bedding	s0	1
90	196	Bedding	s0	1
67	193	Bedding	s0	1
80	191	Bedding	s0	1
72	185	Bedding	s0	1
80	14	Fold limb north	Fd	53
46	16	Fold limb north	Fd	53
16	54	Fold limb south	Fd	53
40	17	Fold limb south	Fd	53
36	16	Fold limb south	Fd	53
71	0	Bedding	s0	1
64	355	Lineation	L	
78	10	Bedding	s0	1

72	12	Bedding	s0	1
64	99	Bedding	s0	1
38	251	Vein	V1	36
62	125	Vein	V2	36
60	12	Bedding	s0	1
65	1	Bedding	s0	1
58	14	Bedding	s0	1
56	16	Bedding	s0	1
55	293	Fault	F	21
76	129	Fault	F	21
44	24	Bedding	s0	1
61	29	Bedding	s0	1
70	36	Bedding	s0	1
73	34	Bedding	s0	1
87	22	Bedding	s0	1
89	123	Vein	V	36
89	203	Bedding	s0	1
82	19	Bedding	s0	1
77	14	Bedding	s0	1
0	276	Vein	V	36
63	179	Bedding	s0	1
54	174	Bedding	s0	1
42	180	Fold limb top	Fd	53
52	176	Fold limb top	Fd	53
58	169	Fold limb top	Fd	53
48	186	Fold limb top	Fd	53
52	198	Fold limb bottom	Fd	53
54	192	Fold limb bottom	Fd	53
37	198	Fold limb bottom	Fd	53

64	180	Fold limb bottom	Fd	53
50	18	Fold middle	Fd	53
54	2	Fold middle	Fd	53
40	184	Fold middle	Fd	53
69	190	Fold middle	Fd	53
67	169	Fault	F	21
67	160	Fault	F	21
23	160	Bedding	s0	1
40	194	Bedding	s0	1
50	182	Bedding	s0	1
51	276	Vein min	V	36
77	300	Vein min	V	36
50	181	Fault	F	21
56	192	Fold limb top	Fd	53
74	184	Fold limb top	Fd	53
67	196	Fold limb top	Fd	53
48	6	Fold limb bot	Fd	53
20	16	Fold limb bot	Fd	53
21	20	Fold limb bot	Fd	53
14	36	Bedding min	s0	1
16	18	Bedding min	s0	1
72	199	Vein min	V	36
20	356	Bedding	s0	1
23	2	Bedding	s0	1
19	14	Bedding	s0	1
8	194	Fold limb	Fd	53
36	215	Fold limb	Fd	53
80	194	Fold limb	Fd	53
8	123	Fold limb	Fd	53
64	198	Fold limb	Fd	53
83	198	Fold limb	Fd	53
74	18	Bedding	s0	1
52	17	Bedding	s0	1
26	30	Bedding	s0	1

69	179	Bedding (steep)	s0	1
79	180	Bedding (steep)	s0	1
24	38	Bedding (gentle)	s0	1
10	23	Bedding (gentle)	s0	1
68	6	Fold limb north	Fd	53
70	20	Fold limb north	Fd	53
77	7	Fold limb north	Fd	53
30	27	Fold limb south	Fd	53
17	14	Fold limb south	Fd	53
19	358	Fold limb south	Fd	53
19	34	Fold middle	Fd	53
51	31	Fold middle	Fd	53
85	112	Joint 1	J	16
84	106	Joint 1	J	16
72	87	Joint 1	J	16
82	287	Joint 2	J	16
84	34	Joint 2	J	16
84	25	Joint 2	J	16
80	191	Vein	V	36
12	358	Fold limb North	Fd	53
11	0	Fold limb North	Fd	53
19	347	Fold limb North	Fd	53
4	178	Fold limb South	Fd	53
12	220	Fold limb South	Fd	53
75	190	Vein	V	36
53	185	Vein	V	36
80	174	Vein	V	36
32	264	Fault	F	21
28	9	Bedding	s0	1
58	356	Bedding	s0	1
63	228	Fault	F1	21
69	192	Fault	F2	21
14	4	Bedding	s0	1

48	192	Bedding	s0	1
60	186	Bedding	s0	1
52	202	Bedding	s0	1
45	208	Bedding	s0	1
56	193	Bedding	s0	1
20	208	Bedding	s0	1
7	198	Bedding	s0	1
26	354	Bedding	s0	1
70	202	Fault	F	21
14	358	Vein	V1	36
56	192	Vein	V1	36
25	22	Fold limb s0 //	Fd	53
32	0	Fold limb s0 //	Fd	53
59	186	Drag limb	Fd	53
46	208	Drag limb	Fd	53
32	184	Drag limb	Fd	53
32	356	Bedding	s0	1
8	17	Bedding	s0	1
20	12	Bedding	s0	1
32	13	Fold limb 1	Fd	53
20	20	Fold limb 1	Fd	53
21	14	Fold limb 1	Fd	53
88	12	Fold limb 2	Fd	53
72	16	Fold limb 2	Fd	53
82	7	Fold limb 2	Fd	53
90	10	Fold limb 2	Fd	53
39	28	Bedding	s0	1
28	6	Bedding	s0	1
90	24	Bedding	s0	1
34	194	Bedding	s0	1

29	175	Bedding	s0	1
26	139	Fold Limb 1	Fd	53
30	132	Fold Limb 1	Fd	53
38	34	Fold Limb 1	Fd	53
37	66	Fold Limb 1	Fd	53
25	110	Bedding	s0	1
46	161	Bedding	s0	1
78	353	Folded Bedding	s0	1
48	161	Bedding	s0	1
30	172	Bedding	s0	1
78	353	Fold limb	Fd	53
38	232	Fold limb	Fd	53
52	170	Fold limb	Fd	53
58	200	Bedding	s0	1
54	198	Bedding	s0	1
56	200	Bedding	s0	1
55	206	Folded potion	s0	1
43	224	Folded potion	s0	1
25	300	Folded potion	s0	1
22	287	Folded potion	s0	1

Notes		dd	dip
Photos 904. The malachite mineralisation is parallel to the bedding planes. The black oxide alteration may be the oxidation and weathering of malachite. This waypoint marks the contact between the Dstrat and Rat. A little proportion of MV might be coming through in this contact.			
Laminated siliceous shale with quartz calcite veins cross-cutting the bedding planes at a perpendicular angle (Photo 905, 906, 907). Photo 908 of the vein. The bedding planes are thinly laminated. Coarse quatrz mineralisation perpendiclur to bedding planes. Possibly marks the transitional zone.		226	79
		34	75
		32	86
		38	80
		30	88
		35	90
		35	79
Hiighly altered in terms of silicification. The quartz-calcite veins that cross-cut the unit are mineralisation with malachite and in some cases haematised sulphides.	Sampled		
The SD unit decreses in silicification as one moves away from the RSC contact. The is a high degree of quartz and calcite veining which probabaly aided in the silcification of the unit. Photo 912 (mineralisation).		0	0
		212	86
		222	82
		218	35
		216	75
		218	80
		220	82
		226	82
The SD is seen with alternating bands of oxidized and normal dolomitic shale that is extremely finely laminated. This alternation of texture might possibly indicate climatic changes during deposition or preferential fluid flow over specific horizons. The fractures and veins seen in the unit are perpendicular to the bedding planes. Photo 913. Negatively weathered pits are seen. The pits have a cubic shape and may represent weathered out pyrite or perhaps carrolite which is known to be in the deposit. Photo 914-916. (Slump) folding is also seen		129	72
		140	86
		132	88
		130	72
		45	4
		334	26
		320	42
		315	37
		216	63
		224	68
		26	44
		38	54
		212	62
		214	62

The BOMZ unit marks a highly altered zone located between the Sd and CMN units. A common feature is the black ferromanganese soils produced and the high organic carbon content associated with this unit. At this point it is no more than 10 m wide.	0	0
The CMN has periods where it is highly brecciated or shows vague bedding features.	0	0
The CMN that has bedding is intricately folded with the respective limbs having highly variable orientations. Photo 917-918. Clearly more than one folding event.	146	16
	128	22
	136	23
	121	20
	148	21
	28	20
The CMN has a high degree of black surficial alteration due to oxidation. Photo919-921	190	32
Malachite in vein.Photo 922.	290	77
	189	52
	193	52
	170	52
	170	48
	76	61
Fault cross cuts the mineralisation in the CMN?	327	88
Highly variable bedding planes seen with large scale open folds. The axes are gently plunging with a rough W-E trend.	222	64
	222	70
	215	54
	221	54
	224	80
	224	78
	114	23
	136	12
	128	26
	122	32
	112	22
	99	18
	162	52
	197	58
	168	52
	178	50
	174	57
	152	38
	315	60
	318	52
The CMN tends to host more dendrites than any other unit present in the succession. This is possibly due to the extensive meteroic fluid circulation.	0	0
The black oxidation seen might be due to the	314	53

The black oxidation seen might be due to the weathering of malachite	224	82
	220	76
	122	80
The joint planes are mineralised. There might be indicators of supergene and hypogene alteration interacting with each other , ie. The transition zone. 2 samples taken	136	72
	134	75
	48	23
	86	50
	94	20
Quartz-calcite veins are perpendicular to the bedding planes.	216	70
	210	75
	220	76
	300	73
Large open folds seen in the SD. The bedding planes of the limbs do not deviate too much from each other. The top limb of the fold is parallel to the normal bedding planes of the unit. Photo	217	70
	232	70
	228	72
	194	80
	197	88
	166	78
	196	80
Higher metamorphic grade than that seen at Kinsevere evidinced bty the introduction of muscovite. Sample oriented.	69	32
	70	38
	108	38
	94	50
	0	0
There is a substantial degree of silicification of the dolomite, accentuated by the quartz lenses in the massive dolomite. Photo 931 (3203). The RSC vuggs have been filled with silicic fluid with clear oxidation rims seen around the vuggs.	0	0
Silicification has been concentrated along the bedding planes, resulting in the alteration paralleling the bedding features.	32	88
	26	89
	219	84
	297	6
	304	16
The contact is bedding parallel. Excessive quartz veining seen through the unit.	38	88
	224	78
	221	84
Inherits the same orientation as the DStrat which it is contact with. Very little silicification is seen. Mineralisation is discontinuous and sparse.		

The Rat Breccia is the basal contact that is characterised by large blocks of brecciated material in a talc rich boulder matrix. No sorting patterns and very steep contacts are the most common trends.		
Photo 933. Contact between the Rat breccia and the CMN breccia. The Grey CMN (proximal to the RAT) is mineralised with specularite Photo 934. The general proportion of specularite mineralisation in the Ruashi pit is far less than that seen in the Kinsevere pit 40 Km North. Photo 935-940.	0	0
There is a distinct shistosticy - presence of muscovite (Sample taken). Photo 941-943. Black oxide on the surface of the CMN rocks however there is no mineralisation	90	67
	76	39
	80	40
	76	24
	68	44
	123	6
	148	8
	126	21
azimuth and plunge. Found alon the fault plane.	0	14
Photo 944	176	78
The Rat breccia has discontinuous bedding planes and is mainly composed of pebble/ boulder fragmenst that range in size between 5-30 cm in size. Photo 945-946	162	44
Bedding seen in the RAT breccia.	193	32
In the transitional zone the dolomitic shale of the SD unit becomes black. This is possibly due to an increase in the content of organic carbon. The transitional zone is characterised by the change in colour and mineralisation from Cu-carbonates to sulphides. Photo 948-950. The chalcopyrite is present as vein hosted, bedding parallel and disseminated varieties.	214	82
	37	88
	210	83
	104	74
	34	81
Photo 951 = transition zone.	196	90
Photo 952 illustrating the transition zone	193	67
	191	80
	185	72
Photo 953 and 954	14	80
	16	46
	54	16
	17	40
	16	36
	0	71
	355	64
	10	78

	12	72
	99	64
	0	0
	0	0
Quartz and calcite vein (5cm thick). Perpendicular to bedding	251	38
Photo 959	125	62
	12	60
	1	65
	14	58
	16	56
Calcite recrystalisation? Photo 960	0	0
	0	0
	0	0
	293	55
	129	76
	24	44
	29	61
Photo 963	36	70
	34	73
	22	87
	123	89
	203	89
	19	82
Photo 966	14	77
Vein is parallel to the bedding planes seen in R34. Photo 967	276	0
	0	0
	179	63
	174	54
Kink folding. Fold axis plunges gently W. A1 =1 274/3/W. A2 = 222/27/W. There is no preferential accumulation of malachite in the hinges of the folds. Folding of the units has occurred after mineralisation.	180	42
	176	52
	169	58
	186	48
	198	52
	192	54
	198	37

	180	64
	18	50
	2	54
	184	40
	190	69
	169	67
	160	67
	0	0
	160	23
	194	40
	182	50
	276	51
	300	77
Unmineralised	181	50
	192	56
	184	74
	196	67
	6	48
	16	20
	20	21
	36	14
	18	16
	199	72
	356	20
	2	23
	14	19
	0	0
	0	0
	194	8
	215	36
	194	80
	123	8
	198	64
	198	83
	18	74
	17	52
	30	26

Photo 975 (3247). Tightly folded beds charachterize this unit.	179	69
	180	79
	38	24
	23	10
Photo 976	6	68
	20	70
	7	77
	27	30
	14	17
	358	19
	34	19
	31	51
	112	85
	106	84
	87	72
	287	82
	34	84
	25	84
	191	80
	358	12
	0	11
	347	19
	178	4
	220	12
Vein is perpendicular to the bedding plane	190	75
	185	53
	174	80
Photo 977	264	32
	9	28
	356	58
Photo 978	228	63
	192	69
	4	14
The SD has become progressively more siliceous as it gets closer to the RSC unit. Photo 979	0	0
	0	0

Transition zone coming through on this level.	192	48
	186	60
	0	0
	202	52
	208	45
Contact is parallel to the bedding panes. Photo 980	193	56
	208	20
	198	7
	354	26
Photo 981	202	70
Photo 982	358	14
	192	56
	22	25
	0	32
	186	59
Photo 983-987	208	46
	184	32
	356	32
	17	8
	12	20
	13	32
	20	20
	14	21
	12	88
	16	72
	7	82
	10	90
	0	0
The BOMZ unit is known as WAD in the lithostratigraphy. The BOMZ inherits the bedding planes from the SD unit and is traditionally only found between the Sd and CMN units. Photo 988-989	28	39
	6	28
	24	90
Minimal number of cross cutting veins.Photo 990. The unit has a pitted horizon in it where magnatite/pyrite or chalcopyrite have been weathered out. Photo 991-992.	194	34

	175	29
	139	26
	132	30
	34	38
	66	37
	110	25
	161	46
	0	0
	353	78
	161	48
	0	0
Photo 993-994	0	0
	0	0
	172	30
	353	78
	232	38
	170	52
	0	0
	0	0
	200	58
	198	54
	200	56
Photo 995-996	206	55
	224	43
	300	25
	287	22

Appendix C – 3D modelling data for Kinsevere

hole_id	mFrom	mTo	CaO_pct	Co_ppm	Cu_ppm	Cu_pct	Co_pct
KVRC001	0	1	-5.00E-02	80	39500	3.95	8.00E-03
KVRC001	1	2	-5.00E-02	110	38800	3.8800001	0.011
KVRC001	2	3	-5.00E-02	110	35300	3.53	0.011
KVRC001	3	4	-5.00E-02	90	41300	4.1300001	9.00E-03
KVRC001	4	5	-5.00E-02	100	37400	3.74	1.00E-02
KVRC001	5	6	-5.00E-02	90	37200	3.72	9.00E-03
KVRC001	6	7	-5.00E-02	90	34900	3.49	9.00E-03
KVRC001	7	8	-5.00E-02	70	25400	2.54	7.00E-03
KVRC001	8	9	-5.00E-02	100	22500	2.25	1.00E-02
KVRC001	9	10	-5.00E-02	90	25300	2.53	9.00E-03
KVRC001	10	11	-5.00E-02	80	17200	1.72	8.00E-03
KVRC001	11	12	-5.00E-02	60	17000	1.7	6.00E-03
KVRC001	12	13	-5.00E-02	60	18600	1.86	6.00E-03
KVRC001	13	14	-5.00E-02	50	14100	1.41	5.00E-03
KVRC001	14	15	-5.00E-02	60	11700	1.17	6.00E-03
KVRC001	15	16	-5.00E-02	90	17400	1.74	9.00E-03
KVRC001	16	17	-5.00E-02	120	25500	2.55	0.012
KVRC001	17	18	-5.00E-02	140	23800	2.3800001	0.014
KVRC001	18	19	-5.00E-02	90	19900	1.99	9.00E-03
KVRC001	19	20	-5.00E-02	130	26300	2.6300001	0.013
KVRC001	20	21	-5.00E-02	130	63300	6.3299999	0.013
KVRC001	21	22	-5.00E-02	150	66800	6.6799998	0.015
KVRC001	22	23	-5.00E-02	250	28500	2.8499999	0.025
KVRC001	23	24	-5.00E-02	340	35100	3.51	3.40E-02
KVRC001	24	25	-5.00E-02	450	6300	0.63	4.50E-02
KVRC001	25	26	-5.00E-02	340	4100	0.41	3.40E-02
KVRC001	26	27	-5.00E-02	320	3300	0.33000001	3.20E-02
KVRC001	27	28	-5.00E-02	300	2800	0.28	3.00E-02
KVRC001	28	29	-5.00E-02	290	14400	1.4400001	2.90E-02
KVRC001	29	30	-5.00E-02	210	24600	2.46	0.021
KVRC001	30	31	-5.00E-02	180	2500	0.25	1.80E-02
KVRC001	31	32	-5.00E-02	160	2400	0.23999999	1.60E-02
KVRC001	32	33	-5.00E-02	190	3100	0.31	1.90E-02
KVRC001	33	34	-5.00E-02	170	2100	0.20999999	1.70E-02
KVRC001	34	35	-5.00E-02	210	3100	0.31	0.021
KVRC001	35	36	-5.00E-02	180	6800	0.68000001	1.80E-02
KVRC001	36	37	-5.00E-02	140	3400	0.34	0.014
KVRC001	37	38	5.00E-02	210	4300	0.43000001	0.021
KVRC001	38	39	-5.00E-02	160	3700	0.37	1.60E-02
KVRC001	39	40	-5.00E-02	160	3100	0.31	1.60E-02
KVRC001	40	42	-5.00E-02	170	3700	0.37	1.70E-02
KVRC001	42	44	-5.00E-02	150	6400	0.63999999	0.015
KVRC001	44	46	-5.00E-02	130	7600	0.75999999	0.013
KVRC001	46	48	-5.00E-02	120	4900	0.49000001	0.012
KVRC001	48	50	-5.00E-02	130	6500	0.64999998	0.013
KVRC001	50	52	-5.00E-02	110	2000	0.2	0.011
KVRC001	52	54	-5.00E-02	90	1500	0.15000001	9.00E-03
KVRC001	54	57	-5.00E-02	70	4500	0.44999999	7.00E-03
KVRC002	0	1	-5.00E-02	120	52900	5.29	0.012
KVRC002	1	2	-5.00E-02	170	56800	5.6799998	1.70E-02
KVRC002	2	3	-5.00E-02	100	51900	5.1900001	1.00E-02
KVRC002	3	4	-5.00E-02	180	82100	8.21	1.80E-02
KVRC002	4	5	-5.00E-02	190	51900	5.1900001	1.90E-02
KVRC002	5	6	-5.00E-02	80	47500	4.75	8.00E-03
KVRC002	6	7	-5.00E-02	100	48100	4.8099999	1.00E-02
KVRC002	7	8	-5.00E-02	160	54400	5.4400001	1.60E-02
KVRC002	8	9	-5.00E-02	150	53500	5.3499999	0.015
KVRC002	9	10	-5.00E-02	230	45900	4.5900002	0.023
KVRC002	10	11	-5.00E-02	150	47200	4.7199998	0.015
KVRC002	11	12	-5.00E-02	100	45900	4.5900002	1.00E-02
KVRC002	12	13	-5.00E-02	110	45200	4.52	0.011
KVRC002	13	14	-5.00E-02	100	36600	3.6600001	1.00E-02

KVRC002	14	15	-5.00E-02	110	38800	3.8800001	0.011
KVRC002	15	16	-5.00E-02	110	24300	2.4300001	0.011
KVRC002	16	17	-5.00E-02	110	29900	2.99	0.011
KVRC002	17	18	-5.00E-02	90	38500	3.8499999	9.00E-03
KVRC002	18	19	-5.00E-02	90	55300	5.5300002	9.00E-03
KVRC002	19	20	-5.00E-02	130	31400	3.1400001	0.013
KVRC002	20	21	-5.00E-02	100	38600	3.8599999	1.00E-02
KVRC002	21	22	-5.00E-02	130	28800	2.8800001	0.013
KVRC002	22	23	-5.00E-02	120	48900	4.8899999	0.012
KVRC002	23	24	-5.00E-02	120	48500	4.8499999	0.012
KVRC002	24	25	-5.00E-02	120	11400	1.14	0.012
KVRC002	25	26	-5.00E-02	190	8200	0.81999999	1.90E-02
KVRC002	26	27	-5.00E-02	160	18800	1.88	1.60E-02
KVRC002	27	28	-5.00E-02	100	19900	1.99	1.00E-02
KVRC002	28	29	-5.00E-02	170	29900	2.99	1.70E-02
KVRC002	29	30	-5.00E-02	130	13800	1.38	0.013
KVRC002	30	31	-5.00E-02	90	34900	3.49	9.00E-03
KVRC002	31	32	-5.00E-02	90	34800	3.48	9.00E-03
KVRC002	32	33	-5.00E-02	60	87200	8.7200003	6.00E-03
KVRC002	33	34	-5.00E-02	60	47000	4.6999998	6.00E-03
KVRC002	34	35	-5.00E-02	40	12700	1.27	4.00E-03
KVRC002	35	36	-5.00E-02	100	96600	9.6599998	1.00E-02
KVRC002	36	37	-5.00E-02	90	112500	11.25	9.00E-03
KVRC002	37	38	-5.00E-02	80	40000	4	8.00E-03
KVRC002	38	39	-5.00E-02	80	72700	7.27	8.00E-03
KVRC002	39	40	-5.00E-02	90	36900	3.6900001	9.00E-03
KVRC002	40	41	-5.00E-02	60	21800	2.1800001	6.00E-03
KVRC002	41	42	-5.00E-02	80	4100	0.41	8.00E-03
KVRC002	42	44	-5.00E-02	30	4200	0.41999999	0.003
KVRC002	44	46	-5.00E-02	20	12200	1.22	2.00E-03
KVRC002	46	48	-5.00E-02	30	8700	0.87	0.003
KVRC002	48	50	-5.00E-02	60	7200	0.72000003	6.00E-03
KVRC002	50	52	-5.00E-02	150	15200	1.52	0.015
KVRC002	52	54	-5.00E-02	380	19500	1.95	3.80E-02
KVRC002	54	56	-5.00E-02	280	6900	0.69	2.80E-02
KVRC002	56	58	-5.00E-02	70	7800	0.77999997	7.00E-03
KVRC002	58	60	-5.00E-02	100	16800	1.6799999	1.00E-02
KVRC002	60	62	-5.00E-02	80	23600	2.3599999	8.00E-03
KVRC002	62	64	-5.00E-02	100	23500	2.3499999	1.00E-02
KVRC002	64	66	-5.00E-02	70	8900	0.88999999	7.00E-03
KVRC002	66	68	-5.00E-02	50	8800	0.88	5.00E-03
KVRC002	68	70	-5.00E-02	40	9200	0.92000002	4.00E-03
KVRC002	70	72	-5.00E-02	30	10200	1.02	0.003
KVRC003	0	4	-5.00E-02	200	1200	0.12	0.02
KVRC003	4	8	-5.00E-02	110	1000	0.1	0.011
KVRC003	8	12	-5.00E-02	90	1500	0.15000001	9.00E-03
KVRC003	12	16	-5.00E-02	100	2100	0.20999999	1.00E-02
KVRC003	16	18	-5.00E-02	130	6200	0.62	0.013
KVRC003	18	20	-5.00E-02	110	10300	1.03	0.011
KVRC003	20	22	-5.00E-02	100	13300	1.33	1.00E-02
KVRC003	22	24	-5.00E-02	130	11700	1.17	0.013
KVRC003	24	26	-5.00E-02	130	4600	0.46000001	0.013
KVRC003	26	28	-5.00E-02	80	2600	0.25999999	8.00E-03
KVRC003	28	30	-5.00E-02	90	2500	0.25	9.00E-03
KVRC003	30	32	-5.00E-02	80	4600	0.46000001	8.00E-03
KVRC003	32	34	-5.00E-02	20	2900	0.28999999	2.00E-03
KVRC003	34	36	-5.00E-02	70	3800	0.38	7.00E-03
KVRC003	36	38	-5.00E-02	80	2200	0.22	8.00E-03
KVRC003	38	40	-5.00E-02	120	1900	0.19	0.012
KVRC003	40	42	-5.00E-02	100	1600	0.16	1.00E-02
KVRC003	42	44	-5.00E-02	110	1900	0.19	0.011
KVRC003	44	46	-5.00E-02	120	2500	0.25	0.012
KVRC003	46	48	-5.00E-02	90	2900	0.28999999	9.00E-03

KVRC003	48	50	-5.00E-02	80	7300	0.73000002	8.00E-03
KVRC003	50	52	-5.00E-02	90	8100	0.81	9.00E-03
KVRC003	52	54	-5.00E-02	270	24300	2.4300001	2.70E-02
KVRC003	54	56	-5.00E-02	90	13800	1.38	9.00E-03
KVRC003	56	58	-5.00E-02	50	17700	1.77	5.00E-03
KVRC003	58	60	-5.00E-02	50	30000	3	5.00E-03
KVRC003	60	62	-5.00E-02	100	35200	3.52	1.00E-02
KVRC003	62	64	8.00E-02	530	60800	6.0799999	5.30E-02
KVRC003	64	66	8.00E-02	430	49000	4.9000001	4.30E-02
KVRC003	66	68	0.28	310	16500	1.65	3.10E-02
KVRC003	68	70	0.79000002	330	9900	0.99000001	0.033
KVRC003	70	72	0.36000001	410	10000	1	4.10E-02
KVRC004	0	2	-5.00E-02	100	5900	0.58999997	1.00E-02
KVRC004	2	4	-5.00E-02	90	22100	2.21	9.00E-03
KVRC004	4	6	-5.00E-02	40	6100	0.61000001	4.00E-03
KVRC004	6	8	-5.00E-02	40	5000	0.5	4.00E-03
KVRC004	8	10	-5.00E-02	10	6700	0.67000002	0.001
KVRC004	10	12	-5.00E-02	20	3500	0.34999999	2.00E-03
KVRC004	12	14	-5.00E-02	20	3100	0.31	2.00E-03
KVRC004	14	16	-5.00E-02	10	3700	0.37	0.001
KVRC004	16	18	-5.00E-02	20	5100	0.50999999	2.00E-03
KVRC004	18	20	-5.00E-02	20	10200	1.02	2.00E-03
KVRC004	20	22	-5.00E-02	10	20100	2.01	0.001
KVRC004	22	24	-5.00E-02	20	6600	0.66000003	2.00E-03
KVRC004	24	26	-5.00E-02	20	15100	1.51	2.00E-03
KVRC004	26	28	-5.00E-02	30	20600	2.0599999	0.003
KVRC004	28	30	-5.00E-02	30	8600	0.86000001	0.003
KVRC004	30	32	-5.00E-02	30	9600	0.95999998	0.003
KVRC004	32	34	-5.00E-02	30	6500	0.64999998	0.003
KVRC004	34	36	-5.00E-02	30	5700	0.56999999	0.003
KVRC004	36	38	-5.00E-02	30	10800	1.08	0.003
KVRC004	38	40	-5.00E-02	40	10100	1.01	4.00E-03
KVRC004	40	42	-5.00E-02	30	3800	0.38	0.003
KVRC004	42	44	-5.00E-02	40	7700	0.76999998	4.00E-03
KVRC004	44	46	-5.00E-02	20	4400	0.44	2.00E-03
KVRC004	46	48	-5.00E-02	30	6300	0.63	0.003
KVRC004	48	50	-5.00E-02	20	30700	3.0699999	2.00E-03
KVRC004	50	52	-5.00E-02	40	14900	1.49	4.00E-03
KVRC004	52	54	3.1400001	10	1500	0.15000001	0.001
KVRC004	54	56	6.6900001	-10	200	0.02	-0.001
KVRC004	56	58	7.21	-10	100	1.00E-02	-0.001
KVRC004	58	62	4.6599998	-10	100	1.00E-02	-0.001
KVRC004	62	66	5.02	-10	-100	-1.00E-02	-0.001
KVRC004	66	70	3.97	-10	-100	-1.00E-02	-0.001
KVRC004	70	72	4.8299999	10	-100	-1.00E-02	0.001
KVRC005	0	2	-5.00E-02	160	1400	0.14	1.60E-02
KVRC005	2	4	-5.00E-02	100	1800	0.18000001	1.00E-02
KVRC005	4	6	-5.00E-02	70	2300	0.23	7.00E-03
KVRC005	6	8	-5.00E-02	70	1800	0.18000001	7.00E-03
KVRC005	8	10	-5.00E-02	80	5600	0.56	8.00E-03
KVRC005	10	12	-5.00E-02	70	3700	0.37	7.00E-03
KVRC005	12	14	-5.00E-02	60	8600	0.86000001	6.00E-03
KVRC005	14	16	-5.00E-02	50	3900	0.38999999	5.00E-03
KVRC005	16	18	-5.00E-02	40	11900	1.1900001	4.00E-03
KVRC005	18	20	5.00E-02	60	2900	0.28999999	6.00E-03
KVRC005	20	22	-5.00E-02	60	2300	0.23	6.00E-03
KVRC005	22	24	-5.00E-02	60	13800	1.38	6.00E-03
KVRC005	24	26	-5.00E-02	30	6400	0.63999999	0.003
KVRC005	26	28	-5.00E-02	30	3300	0.33000001	0.003
KVRC005	28	30	-5.00E-02	50	8400	0.83999997	5.00E-03
KVRC005	30	32	-5.00E-02	30	3300	0.33000001	0.003
KVRC005	32	34	-5.00E-02	40	10000	1	4.00E-03
KVRC005	34	36	-5.00E-02	30	9600	0.95999998	0.003

KVRC005	36	38	-5.00E-02	30	16900	1.6900001	0.003
KVRC005	38	40	-5.00E-02	20	12500	1.25	2.00E-03
KVRC005	40	42	-5.00E-02	50	14800	1.48	5.00E-03
KVRC005	42	44	-5.00E-02	50	11600	1.16	5.00E-03
KVRC005	44	46	-5.00E-02	40	17000	1.7	4.00E-03
KVRC005	46	48	-5.00E-02	10	11800	1.1799999	0.001
KVRC005	48	49	-5.00E-02	30	8900	0.88999999	0.003
KVRC006	0	4	-5.00E-02	90	1400	0.14	9.00E-03
KVRC006	4	8	-5.00E-02	50	1700	0.17	5.00E-03
KVRC006	8	12	-5.00E-02	50	1800	0.18000001	5.00E-03
KVRC006	12	16	-5.00E-02	70	2500	0.25	7.00E-03
KVRC006	16	20	-5.00E-02	60	1800	0.18000001	6.00E-03
KVRC006	20	24	-5.00E-02	80	1300	0.13	8.00E-03
KVRC006	24	28	-5.00E-02	100	1200	0.12	1.00E-02
KVRC006	28	32	-5.00E-02	60	900	9.00E-02	6.00E-03
KVRC006	32	36	-5.00E-02	90	1600	0.16	9.00E-03
KVRC006	36	40	-5.00E-02	40	1300	0.13	4.00E-03
KVRC006	40	44	-5.00E-02	60	1300	0.13	6.00E-03
KVRC006	44	48	-5.00E-02	80	1500	0.15000001	8.00E-03
KVRC006	48	50	-5.00E-02	20	900	9.00E-02	2.00E-03
KVRC007	0	4	-5.00E-02	130	1000	0.1	0.013
KVRC007	4	8	-5.00E-02	130	1400	0.14	0.013
KVRC007	8	12	-5.00E-02	40	1100	0.11	4.00E-03
KVRC007	12	16	-5.00E-02	50	1300	0.13	5.00E-03
KVRC007	16	20	-5.00E-02	30	2100	0.20999999	0.003
KVRC007	20	24	-5.00E-02	50	6100	0.61000001	5.00E-03
KVRC007	24	28	-5.00E-02	40	5900	0.58999997	4.00E-03
KVRC007	28	32	-5.00E-02	50	4900	0.49000001	5.00E-03
KVRC007	32	36	-5.00E-02	70	3000	0.30000001	7.00E-03
KVRC007	36	40	-5.00E-02	80	2700	0.27000001	8.00E-03
KVRC007	40	44	-5.00E-02	60	2500	0.25	6.00E-03
KVRC007	44	48	-5.00E-02	80	2500	0.25	8.00E-03
KVRC007	48	50	-5.00E-02	90	2600	0.25999999	9.00E-03
KVRC008	0	2	-5.00E-02	130	2000	0.2	0.013
KVRC008	2	4	-5.00E-02	120	900	9.00E-02	0.012
KVRC008	4	6	-5.00E-02	120	2400	0.23999999	0.012
KVRC008	6	8	-5.00E-02	250	4300	0.43000001	0.025
KVRC008	8	10	5.00E-02	340	13300	1.33	3.40E-02
KVRC008	10	12	5.00E-02	390	17400	1.74	3.90E-02
KVRC008	12	14	8.00E-02	360	13900	1.39	3.60E-02
KVRC008	14	16	9.00E-02	300	7400	0.74000001	3.00E-02
KVRC008	16	18	0.2	190	1500	0.15000001	1.90E-02
KVRC008	18	22	7.0500002	30	400	4.00E-02	0.003
KVRC008	22	26	4.75	-10	100	1.00E-02	-0.001
KVRC008	26	30	8.0500002	-10	-100	-1.00E-02	-0.001
KVRC008	30	34	1.42	-10	500	5.00E-02	-0.001
KVRC008	34	38	1.8099999	10	2100	0.20999999	0.001
KVRC008	38	42	5.9499998	10	300	3.00E-02	0.001
KVRC008	42	45	4.0900002	-10	100	1.00E-02	-0.001
KVRC008	45	47	3.48	-10	-100	-1.00E-02	-0.001
KVRC009	0	2	0.07	180	1700	0.17	1.80E-02
KVRC009	2	4	6.00E-02	240	2700	0.27000001	0.024
KVRC009	4	5	5.00E-02	220	8700	0.87	0.022
KVRC009	5	6	0.07	110	18300	1.83	0.011
KVRC009	6	7	-5.00E-02	100	7500	0.75	1.00E-02
KVRC009	7	8	-5.00E-02	110	10200	1.02	0.011
KVRC009	8	9	-5.00E-02	90	3800	0.38	9.00E-03
KVRC009	9	10	5.00E-02	150	5700	0.56999999	0.015
KVRC009	10	11	-5.00E-02	160	13000	1.3	1.60E-02
KVRC009	11	12	-5.00E-02	150	8100	0.81	0.015
KVRC009	12	13	-5.00E-02	200	9600	0.95999998	0.02
KVRC009	13	14	-5.00E-02	130	32700	3.27	0.013
KVRC009	14	15	-5.00E-02	80	12000	1.2	8.00E-03

KVRC009	15	16	-5.00E-02	190	11700	1.17	1.90E-02
KVRC009	16	17	-5.00E-02	190	32900	3.29	1.90E-02
KVRC009	17	18	-5.00E-02	280	69600	6.96	2.80E-02
KVRC009	18	19	-5.00E-02	1870	45000	4.5	0.18700001
KVRC009	19	20	-5.00E-02	430	6400	0.63999999	4.30E-02
KVRC009	20	21	-5.00E-02	1200	7900	0.79000002	0.12
KVRC009	21	22	-5.00E-02	1330	68600	6.8600001	0.133
KVRC009	22	23	-5.00E-02	540	38700	3.8699999	5.40E-02
KVRC009	23	24	-5.00E-02	590	22000	2.2	0.059
KVRC009	24	25	-5.00E-02	420	20000	2	4.20E-02
KVRC009	25	26	-5.00E-02	260	42300	4.23	2.60E-02
KVRC009	26	27	-5.00E-02	350	25700	2.5699999	0.035
KVRC009	27	28	-5.00E-02	410	32900	3.29	4.10E-02
KVRC009	28	29	-5.00E-02	400	38600	3.8599999	4.00E-02
KVRC009	29	30	-5.00E-02	310	32700	3.27	3.10E-02
KVRC009	30	31	-5.00E-02	130	8900	0.88999999	0.013
KVRC009	31	32	-5.00E-02	20	3700	0.37	2.00E-03
KVRC009	32	33	-5.00E-02	150	31000	3.0999999	0.015
KVRC009	33	34	-5.00E-02	60	18800	1.88	6.00E-03
KVRC009	34	35	-5.00E-02	160	26200	2.6199999	1.60E-02
KVRC009	35	36	-5.00E-02	70	51600	5.1599998	7.00E-03
KVRC009	36	37	-5.00E-02	40	14800	1.48	4.00E-03
KVRC009	37	38	-5.00E-02	30	38100	3.8099999	0.003
KVRC009	38	39	-5.00E-02	20	27800	2.78	2.00E-03
KVRC009	39	40	-5.00E-02	30	5800	0.57999998	0.003
KVRC009	40	41	-5.00E-02	40	10700	1.0700001	4.00E-03
KVRC009	41	42	-5.00E-02	130	52600	5.2600002	0.013
KVRC009	42	43	-5.00E-02	100	60500	6.0500002	1.00E-02
KVRC009	43	44	-5.00E-02	100	75100	7.5100002	1.00E-02
KVRC009	44	45	-5.00E-02	280	136500	13.65	2.80E-02
KVRC009	45	46	-5.00E-02	170	124500	12.45	1.70E-02
KVRC009	46	47	-5.00E-02	90	93700	9.3699999	9.00E-03
KVRC009	47	48	-5.00E-02	80	124500	12.45	8.00E-03
KVRC009	48	49	-5.00E-02	50	104000	10.4	5.00E-03
KVRC009	49	50	-5.00E-02	60	135000	13.5	6.00E-03
KVRC009	50	51	-5.00E-02	40	128000	12.8	4.00E-03
KVRC009	51	52	-5.00E-02	10	6100	0.61000001	0.001
KVRC009	52	53	-5.00E-02	20	16500	1.65	2.00E-03
KVRC009	53	54	-5.00E-02	40	18400	1.84	4.00E-03
KVRC009	54	55	-5.00E-02	40	33100	3.3099999	4.00E-03
KVRC009	55	56	-5.00E-02	80	49400	4.9400001	8.00E-03
KVRC009	56	57	-5.00E-02	40	31500	3.1500001	4.00E-03
KVRC009	57	58	-5.00E-02	40	19400	1.9400001	4.00E-03
KVRC009	58	59	-5.00E-02	170	49800	4.98	1.70E-02
KVRC009	59	60	-5.00E-02	200	40700	4.0700002	0.02
KVRC009	60	61	-5.00E-02	220	50800	5.0799999	0.022
KVRC009	61	62	-5.00E-02	140	62600	6.2600002	0.014
KVRC009	62	63	-5.00E-02	50	17300	1.73	5.00E-03
KVRC009	63	64	-5.00E-02	200	90600.008	9.0600004	0.02
KVRC009	64	65	-5.00E-02	140	97700.008	9.7700005	0.014
KVRC009	65	66	-5.00E-02	110	59400	5.9400001	0.011
KVRC009	66	67	-5.00E-02	70	37100	3.71	7.00E-03
KVRC009	67	68	-5.00E-02	50	12600	1.26	5.00E-03
KVRC009	68	69	-5.00E-02	60	24100	2.4100001	6.00E-03
KVRC009	69	70	-5.00E-02	60	18300	1.83	6.00E-03
KVRC009	70	71	-5.00E-02	80	27000	2.7	8.00E-03
KVRC009	71	72	-5.00E-02	200	22600	2.26	0.02
KVRC009	72	73	-5.00E-02	90	48100	4.8099999	9.00E-03
KVRC009	73	74	6.00E-02	200	22200	2.22	0.02
KVRC009	74	75	5.00E-02	460	43200	4.3200002	0.046
KVRC009	75	76	0.07	530	18500	1.85	5.30E-02
KVRC009	76	77	-5.00E-02	520	18800	1.88	5.20E-02
KVRC009	77	78	6.00E-02	570	14800	1.48	0.057

KVRC009	78	79	9.00E-02	840	20500	2.05	8.40E-02
KVRC009	79	83	3.2	380	4400	0.44	3.80E-02
KVRC009	83	87	4.8699999	30	200	0.02	0.003
KVRC010	2	3	-5.00E-02	260	15600	1.5599999	2.60E-02
KVRC010	3	4	-5.00E-02	220	44400	4.4400001	0.022
KVRC010	4	5	-5.00E-02	130	101000	10.1	0.013
KVRC010	5	6	-5.00E-02	140	26200	2.6199999	0.014
KVRC010	6	7	-5.00E-02	120	32000	3.2	0.012
KVRC010	7	8	-5.00E-02	100	31300	3.1300001	1.00E-02
KVRC010	8	9	-5.00E-02	60	23600	2.3599999	6.00E-03
KVRC010	9	10	-5.00E-02	50	24200	2.4200001	5.00E-03
KVRC010	10	11	-5.00E-02	50	19200	1.92	5.00E-03
KVRC010	11	12	-5.00E-02	40	19000	1.9	4.00E-03
KVRC010	12	13	-5.00E-02	70	17100	1.71	7.00E-03
KVRC010	13	14	-5.00E-02	110	31600	3.1600001	0.011
KVRC010	14	15	-5.00E-02	370	56600	5.6599998	0.037
KVRC010	15	16	-5.00E-02	230	81400	8.1400003	0.023
KVRC010	16	17	-5.00E-02	520	93500	9.3500004	5.20E-02
KVRC010	17	18	-5.00E-02	470	98900	9.8900003	4.70E-02
KVRC010	18	19	-5.00E-02	250	107000	10.7	0.025
KVRC010	19	20	-5.00E-02	440	76500	7.6500001	0.044
KVRC010	20	21	-5.00E-02	270	19600	1.96	2.70E-02
KVRC010	21	22	-5.00E-02	420	27400	2.74	4.20E-02
KVRC010	22	23	-5.00E-02	2430	164500	16.450001	0.243
KVRC010	23	25	-5.00E-02	1090	28500	2.8499999	0.109
KVRC010	25	27	-5.00E-02	1640	24100	2.4100001	0.164
KVRC010	27	29	-5.00E-02	980	9300	0.93000001	9.80E-02
KVRC010	29	31	-5.00E-02	400	4100	0.41	4.00E-02
KVRC010	31	32	-5.00E-02	160	5800	0.57999998	1.60E-02
KVRC010	33	35	-5.00E-02	150	6500	0.64999998	0.015
KVRC010	35	37	-5.00E-02	120	19700	1.97	0.012
KVRC010	37	39	-5.00E-02	90	15500	1.55	9.00E-03
KVRC010	39	41	-5.00E-02	160	21900	2.1900001	1.60E-02
KVRC010	41	43	-5.00E-02	270	26900	2.6900001	2.70E-02
KVRC010	43	45	-5.00E-02	140	26500	2.6500001	0.014
KVRC010	45	47	-5.00E-02	120	12500	1.25	0.012
KVRC010	47	49	-5.00E-02	100	10800	1.08	1.00E-02
KVRC010	49	51	-5.00E-02	100	6700	0.67000002	1.00E-02
KVRC010	51	53	-5.00E-02	120	10700	1.0700001	0.012
KVRC010	53	55	-5.00E-02	220	10600	1.0599999	0.022
KVRC010	55	57	-5.00E-02	260	14200	1.42	2.60E-02
KVRC010	57	59	0.22	100	1900	0.19	1.00E-02
KVRC010	59	63	2.5	20	100	1.00E-02	2.00E-03
KVRC010	63	67	3.21	20	100	1.00E-02	2.00E-03
KVRC011	0	2	9.00E-02	140	900	9.00E-02	0.014
KVRC011	2	4	-5.00E-02	100	6400	0.63999999	1.00E-02
KVRC011	4	6	-5.00E-02	90	1500	0.15000001	9.00E-03
KVRC011	6	10	-5.00E-02	70	2900	0.28999999	7.00E-03
KVRC011	10	14	5.00E-02	60	7200	0.72000003	6.00E-03
KVRC011	14	18	5.00E-02	140	4300	0.43000001	0.014
KVRC011	18	22	0.07	40	2500	0.25	4.00E-03
KVRC011	22	26	1.27	40	100	1.00E-02	4.00E-03
KVRC011	26	30	3.22	20	-100	-1.00E-02	2.00E-03
KVRC011	30	34	1.16	40	100	1.00E-02	4.00E-03
KVRC011	34	38	3.1600001	100	1000	0.1	1.00E-02
KVRC011	38	42	0.31	70	1300	0.13	7.00E-03
KVRC011	42	46	0.28999999	20	100	1.00E-02	2.00E-03
KVRC011	46	50	2.99	40	-100	-1.00E-02	4.00E-03
KVRC012	0	2	0.18000001	240	1700	0.17	0.024
KVRC012	2	4	5.00E-02	2400	16900	1.6900001	0.23999999
KVRC012	4	6	6.00E-02	2830	23500	2.3499999	0.28299999
KVRC012	6	8	-5.00E-02	1000	7500	0.75	0.1
KVRC012	8	10	-5.00E-02	620	12400	1.24	6.20E-02

KVRC012	10	12	-5.00E-02	350	15500	1.55	0.035
KVRC012	12	14	-5.00E-02	250	12600	1.26	0.025
KVRC012	14	16	-5.00E-02	340	19500	1.95	3.40E-02
KVRC012	16	18	-5.00E-02	170	11500	1.15	1.70E-02
KVRC012	18	20	-5.00E-02	120	22700	2.27	0.012
KVRC012	20	22	-5.00E-02	150	6000	0.60000002	0.015
KVRC012	22	24	-5.00E-02	70	6000	0.60000002	7.00E-03
KVRC012	24	26	-5.00E-02	40	9500	0.94999999	4.00E-03
KVRC012	26	28	-5.00E-02	10	13200	1.3200001	0.001
KVRC012	28	30	-5.00E-02	40	4900	0.49000001	4.00E-03
KVRC012	30	32	-5.00E-02	40	22000	2.2	4.00E-03
KVRC012	32	34	-5.00E-02	50	19600	1.96	5.00E-03
KVRC012	34	36	-5.00E-02	50	21200	2.1199999	5.00E-03
KVRC012	36	38	-5.00E-02	70	23300	2.3299999	7.00E-03
KVRC012	38	40	-5.00E-02	60	9100	0.91000003	6.00E-03
KVRC012	40	44	-5.00E-02	40	7000	0.69999999	4.00E-03
KVRC012	44	48	-5.00E-02	670	13000	1.3	6.70E-02
KVRC012	48	52	0.51999998	60	6300	0.63	6.00E-03
KVRC013	0	4	-5.00E-02	50	1300	0.13	5.00E-03
KVRC013	4	8	-5.00E-02	60	1300	0.13	6.00E-03
KVRC013	8	12	-5.00E-02	40	1600	0.16	4.00E-03
KVRC013	12	16	-5.00E-02	30	1700	0.17	0.003
KVRC013	16	20	-5.00E-02	30	2100	0.20999999	0.003
KVRC013	20	24	-5.00E-02	20	1200	0.12	2.00E-03
KVRC013	24	28	-5.00E-02	10	1000	0.1	0.001
KVRC013	28	31	-5.00E-02	20	1000	0.1	2.00E-03
KVRC013	31	32	-5.00E-02	10	7700	0.76999998	0.001
KVRC013	32	33	-5.00E-02	20	105000	10.5	2.00E-03
KVRC013	33	34	-5.00E-02	10	22800	2.28	0.001
KVRC013	34	35	-5.00E-02	70	12100	1.21	7.00E-03
KVRC013	35	36	-5.00E-02	40	31500	3.1500001	4.00E-03
KVRC013	36	37	-5.00E-02	10	13300	1.33	0.001
KVRC013	37	38	-5.00E-02	20	18300	1.83	2.00E-03
KVRC013	38	39	-5.00E-02	80	72200	7.2199998	8.00E-03
KVRC013	39	40	-5.00E-02	80	76600	7.6599998	8.00E-03
KVRC013	40	41	-5.00E-02	40	123000	12.3	4.00E-03
KVRC013	41	42	-5.00E-02	40	64700	6.4699998	4.00E-03
KVRC013	42	43	-5.00E-02	10	168000	16.799999	0.001
KVRC013	43	44	-5.00E-02	30	175000	17.5	0.003
KVRC013	44	45	-5.00E-02	30	126500	12.65	0.003
KVRC013	45	46	-5.00E-02	30	70800	7.0799999	0.003
KVRC013	46	47	-5.00E-02	150	106000	10.6	0.015
KVRC013	47	48	-5.00E-02	50	52200	5.2199998	5.00E-03
KVRC013	48	49	-5.00E-02	20	46000	4.5999999	2.00E-03
KVRC013	49	50	-5.00E-02	140	37900	3.79	0.014
KVRC013	50	51	-5.00E-02	130	24100	2.4100001	0.013
KVRC013	51	52	-5.00E-02	20	29400	2.9400001	2.00E-03
KVRC013	52	53	-5.00E-02	20	31100	3.1099999	2.00E-03
KVRC013	53	54	-5.00E-02	10	3100	0.31	0.001
KVRC013	54	55	-5.00E-02	40	5700	0.56999999	4.00E-03
KVRC013	55	56	-5.00E-02	20	15900	1.59	2.00E-03
KVRC013	56	57	-5.00E-02	30	25000	2.5	0.003
KVRC013	57	58	-5.00E-02	20	25400	2.54	2.00E-03
KVRC013	58	59	-5.00E-02	20	21700	2.1700001	2.00E-03
KVRC013	59	60	-5.00E-02	20	53800	5.3800001	2.00E-03
KVRC013	60	61	-5.00E-02	10	41200	4.1199999	0.001
KVRC013	61	62	-5.00E-02	30	78500	7.8499999	0.003
KVRC013	62	63	-5.00E-02	30	157500	15.75	0.003
KVRC013	63	64	-5.00E-02	70	70200	7.02	7.00E-03
KVRC013	64	65	-5.00E-02	60	44500	4.4499998	6.00E-03
KVRC013	65	66	-5.00E-02	10	24800	2.48	0.001
KVRC013	66	67	-5.00E-02	10	26100	2.6099999	0.001
KVRC013	67	68	-5.00E-02	10	10000	1	0.001

KVRC013	68	69	-5.00E-02	10	2400	0.23999999	0.001
KVRC013	69	70	-5.00E-02	20	2700	0.27000001	2.00E-03
KVRC013	70	71	-5.00E-02	30	8200	0.81999999	0.003
KVRC013	71	72	-5.00E-02	20	500	5.00E-02	2.00E-03
KVRC013	72	74	-5.00E-02	10	1800	0.18000001	0.001
KVRC013	74	76	-5.00E-02	20	200	0.02	2.00E-03
KVRC013	76	78	-5.00E-02	20	300	3.00E-02	2.00E-03
KVRC013	78	80	0.07	40	300	3.00E-02	4.00E-03
KVRC013	80	82	5.00E-02	60	200	0.02	6.00E-03
KVRC013	82	84	-5.00E-02	30	300	3.00E-02	0.003
KVRC013	84	86	-5.00E-02	20	400	4.00E-02	2.00E-03
KVRC013	86	88	-5.00E-02	20	100	1.00E-02	2.00E-03
KVRC013	88	90	-5.00E-02	10	100	1.00E-02	0.001
KVRC013	90	92	-5.00E-02	20	300	3.00E-02	2.00E-03
KVRC013	92	94	-5.00E-02	20	100	1.00E-02	2.00E-03
KVRC013	94	96	-5.00E-02	20	800	8.00E-02	2.00E-03
KVRC013	96	97	-5.00E-02	40	3400	0.34	4.00E-03
KVRC014	1	5	-5.00E-02	10	4200	0.41999999	0.001
KVRC014	5	9	-5.00E-02	-10	5700	0.56999999	-0.001
KVRC014	9	13	-5.00E-02	10	3600	0.36000001	0.001
KVRC014	13	17	5.00E-02	10	3100	0.31	0.001
KVRC014	17	21	0.22	-10	2100	0.20999999	-0.001
KVRC014	21	25	-5.00E-02	-10	600	6.00E-02	-0.001
KVRC014	25	29	2.4100001	-10	100	1.00E-02	-0.001
KVRC014	29	33	4.3000002	-10	100	1.00E-02	-0.001
KVRC014	33	37	7.5100002	-10	100	1.00E-02	-0.001
KVRC015	0	4	0.07	70	10800	1.08	7.00E-03
KVRC015	4	8	-5.00E-02	90	9000	0.89999998	9.00E-03
KVRC015	8	12	-5.00E-02	60	6100	0.61000001	6.00E-03
KVRC015	12	16	-5.00E-02	30	2100	0.20999999	0.003
KVRC015	16	20	-5.00E-02	10	800	8.00E-02	0.001
KVRC015	20	24	-5.00E-02	10	1000	0.1	0.001
KVRC015	24	28	-5.00E-02	10	800	8.00E-02	0.001
KVRC015	28	32	-5.00E-02	10	800	8.00E-02	0.001
KVRC015	32	36	-5.00E-02	10	1300	0.13	0.001
KVRC015	36	40	-5.00E-02	10	1200	0.12	0.001
KVRC015	40	44	-5.00E-02	20	1200	0.12	2.00E-03
KVRC015	44	48	-5.00E-02	20	1000	0.1	2.00E-03
KVRC015	48	52	-5.00E-02	70	1500	0.15000001	7.00E-03
KVRC015	52	53	-5.00E-02	110	2500	0.25	0.011
KVRC015	53	54	-5.00E-02	30	12700	1.27	0.003
KVRC015	54	55	-5.00E-02	20	39500	3.95	2.00E-03
KVRC015	55	56	-5.00E-02	40	28600	2.8599999	4.00E-03
KVRC015	56	57	-5.00E-02	40	29400	2.9400001	4.00E-03
KVRC015	57	58	-5.00E-02	40	40100	4.0100002	4.00E-03
KVRC015	58	59	-5.00E-02	30	46400	4.6399999	0.003
KVRC015	59	60	-5.00E-02	30	24700	2.47	0.003
KVRC015	60	61	-5.00E-02	20	24100	2.4100001	2.00E-03
KVRC015	61	62	-5.00E-02	20	103000	10.3	2.00E-03
KVRC015	62	63	-5.00E-02	10	35500	3.55	0.001
KVRC015	63	64	-5.00E-02	10	34100	3.4100001	0.001
KVRC015	64	65	-5.00E-02	10	32900	3.29	0.001
KVRC015	65	66	-5.00E-02	10	12700	1.27	0.001
KVRC015	66	70	-5.00E-02	30	2200	0.22	0.003
KVRC015	70	74	-5.00E-02	40	1000	0.1	4.00E-03
KVRC015	74	78	-5.00E-02	40	600	6.00E-02	4.00E-03
KVRC015	78	82	-5.00E-02	30	1600	0.16	0.003
KVRC015	82	86	-5.00E-02	20	6300	0.63	2.00E-03
KVRC015	86	87	-5.00E-02	80	19100	1.91	8.00E-03
KVRC015	87	88	-5.00E-02	80	16100	1.61	8.00E-03
KVRC015	88	89	-5.00E-02	110	37300	3.73	0.011
KVRC015	89	90	-5.00E-02	150	36300	3.6300001	0.015
KVRC015	90	91	-5.00E-02	100	37100	3.71	1.00E-02

KVRC015	91	93	-5.00E-02	50	10400	1.04	5.00E-03
KVRC015	93	95	-5.00E-02	30	4100	0.41	0.003
KVRC015	95	97	-5.00E-02	30	1400	0.14	0.003
KVRC015	97	99	-5.00E-02	30	5000	0.5	0.003
KVRC015	99	101	-5.00E-02	30	12700	1.27	0.003
KVRC015	101	103	-5.00E-02	40	2600	0.25999999	4.00E-03
KVRC015	103	105	-5.00E-02	50	1700	0.17	5.00E-03
KVRC015	105	107	-5.00E-02	70	1500	0.15000001	7.00E-03
KVRC015	107	108	-5.00E-02	60	24200	2.4200001	6.00E-03
KVRC015	108	110	-5.00E-02	40	400	4.00E-02	4.00E-03
KVRC015	110	112	-5.00E-02	50	500	5.00E-02	5.00E-03
KVRC016	0	4	-5.00E-02	60	2200	0.22	6.00E-03
KVRC016	4	8	-5.00E-02	20	1700	0.17	2.00E-03
KVRC016	8	12	-5.00E-02	30	1300	0.13	0.003
KVRC016	12	15	-5.00E-02	20	1800	0.18000001	2.00E-03
KVRC016	15	17	-5.00E-02	20	2700	0.27000001	2.00E-03
KVRC016	17	19	-5.00E-02	20	4500	0.44999999	2.00E-03
KVRC016	19	21	-5.00E-02	20	6400	0.63999999	2.00E-03
KVRC016	21	23	-5.00E-02	20	7300	0.73000002	2.00E-03
KVRC016	23	25	-5.00E-02	20	3900	0.38999999	2.00E-03
KVRC016	25	27	-5.00E-02	30	3500	0.34999999	0.003
KVRC016	27	29	-5.00E-02	20	7500	0.75	2.00E-03
KVRC016	29	31	-5.00E-02	10	9100	0.91000003	0.001
KVRC016	31	33	-5.00E-02	20	6700	0.67000002	2.00E-03
KVRC016	33	35	-5.00E-02	30	10000	1	0.003
KVRC016	35	37	-5.00E-02	20	5200	0.51999998	2.00E-03
KVRC016	37	39	-5.00E-02	20	6800	0.68000001	2.00E-03
KVRC016	39	43	-5.00E-02	30	6300	0.63	0.003
KVRC016	43	47	-5.00E-02	30	4200	0.41999999	0.003
KVRC016	47	49	-5.00E-02	160	10000	1	1.60E-02
KVRC016	49	51	-5.00E-02	230	4900	0.49000001	0.023
KVRC016	51	53	-5.00E-02	220	5500	0.55000001	0.022
KVRC016	53	55	6.00E-02	220	27900	2.79	0.022
KVRC016	55	57	-5.00E-02	80	5900	0.58999997	8.00E-03
KVRC016	57	59	-5.00E-02	50	4100	0.41	5.00E-03
KVRC016	59	61	-5.00E-02	30	9100	0.91000003	0.003
KVRC016	61	63	-5.00E-02	30	8900	0.88999999	0.003
KVRC016	63	65	6.00E-02	30	27400	2.74	0.003
KVRC016	65	69	-5.00E-02	190	21700	2.1700001	1.90E-02
KVRC016	69	71	-5.00E-02	80	38800	3.8800001	8.00E-03
KVRC016	71	73	5.8499999	30	4600	0.46000001	0.003
KVRC016	73	77	5.8699999	30	4600	0.46000001	0.003
KVRC017	0	4	-5.00E-02	40	900	9.00E-02	4.00E-03
KVRC017	4	8	-5.00E-02	40	700	0.07	4.00E-03
KVRC017	8	12	-5.00E-02	130	1700	0.17	0.013
KVRC017	12	16	-5.00E-02	50	1300	0.13	5.00E-03
KVRC017	16	20	8.00E-02	150	4000	0.40000001	0.015
KVRC017	20	24	-5.00E-02	90	2000	0.2	9.00E-03
KVRC017	24	28	-5.00E-02	130	3500	0.34999999	0.013
KVRC017	28	31	-5.00E-02	220	4800	0.47999999	0.022
KVRC017	31	32	-5.00E-02	490	26000	2.5999999	4.90E-02
KVRC017	32	33	-5.00E-02	560	26300	2.6300001	5.60E-02
KVRC017	33	35	-5.00E-02	1130	4100	0.41	0.113
KVRC017	35	36	-5.00E-02	100	51600	5.1599998	1.00E-02
KVRC017	36	37	-5.00E-02	60	13900	1.39	6.00E-03
KVRC017	37	38	-5.00E-02	20	5300	0.52999997	2.00E-03
KVRC017	38	39	-5.00E-02	80	14600	1.46	8.00E-03
KVRC017	39	40	-5.00E-02	60	14200	1.42	6.00E-03
KVRC017	40	41	-5.00E-02	190	21200	2.1199999	1.90E-02
KVRC017	41	42	-5.00E-02	230	38800	3.8800001	0.023
KVRC017	42	43	-5.00E-02	230	19500	1.95	0.023
KVRC017	43	44	-5.00E-02	130	27000	2.7	0.013
KVRC017	44	45	0.13	140	15100	1.51	0.014

KVRC017	45	46	-5.00E-02	100	90400	9.04	1.00E-02
KVRC017	46	47	-5.00E-02	110	42400	4.2399998	0.011
KVRC017	47	48	-5.00E-02	130	17100	1.71	0.013
KVRC017	48	49	-5.00E-02	100	16200	1.62	1.00E-02
KVRC017	49	50	-5.00E-02	80	13600	1.36	8.00E-03
KVRC017	50	51	-5.00E-02	100	48700	4.8699999	1.00E-02
KVRC017	51	52	-5.00E-02	100	59900	5.9899998	1.00E-02
KVRC017	52	53	-5.00E-02	50	28600	2.8599999	5.00E-03
KVRC017	53	54	-5.00E-02	30	22300	2.23	0.003
KVRC017	54	56	-5.00E-02	20	3700	0.37	2.00E-03
KVRC017	56	58	-5.00E-02	240	24200	2.4200001	0.024
KVRC017	58	60	6.00E-02	340	45200	4.52	3.40E-02
KVRC017	60	61	-5.00E-02	270	149500	14.95	2.70E-02
KVRC017	61	62	-5.00E-02	210	60500	6.0500002	0.021
KVRC017	62	63	-5.00E-02	290	59000	5.9000001	2.90E-02
KVRC017	63	64	-5.00E-02	230	73000	7.3000002	0.023
KVRC017	64	65	-5.00E-02	370	32000	3.2	0.037
KVRC017	65	66	-5.00E-02	1050	105500	10.55	0.105
KVRC017	66	67	-5.00E-02	620	139000	13.9	6.20E-02
KVRC017	67	68	-5.00E-02	70	81300	8.1300001	7.00E-03
KVRC017	68	69	-5.00E-02	20	22200	2.22	2.00E-03
KVRC017	69	70	-5.00E-02	170	113500	11.35	1.70E-02
KVRC017	70	71	-5.00E-02	150	75400	7.54	0.015
KVRC017	71	72	-5.00E-02	170	44600	4.46	1.70E-02
KVRC017	72	73	-5.00E-02	130	45600	4.5599999	0.013
KVRC017	73	74	-5.00E-02	90	13200	1.3200001	9.00E-03
KVRC017	74	75	-5.00E-02	60	16700	1.67	6.00E-03
KVRC017	75	76	-5.00E-02	30	25000	2.5	0.003
KVRC017	76	77	-5.00E-02	40	17800	1.78	4.00E-03
KVRC017	77	78	-5.00E-02	70	70900	7.0900002	7.00E-03
KVRC017	78	79	-5.00E-02	60	33300	3.3299999	6.00E-03
KVRC017	79	80	-5.00E-02	120	37200	3.72	0.012
KVRC017	80	81	-5.00E-02	310	22900	2.29	3.10E-02
KVRC017	81	82	-5.00E-02	770	58700	5.8699999	0.077
KVRC017	82	83	5.00E-02	360	145000	14.5	3.60E-02
KVRC017	83	84	-5.00E-02	880	11500	1.15	0.088
KVRC017	84	85	-5.00E-02	800	9900	0.99000001	8.00E-02
KVRC017	85	87	0.18000001	1470	9300	0.93000001	0.147
KVRC017	87	89	5.3800001	260	700	0.07	2.60E-02
KVRC017	89	92	4.4400001	160	500	5.00E-02	1.60E-02
KVDH001	0	0.60000002	0.07	1150	1640	0.164	0.115
KVDH001	0.60000002	2	4.00E-02	1080	1740	0.17399999	0.108
KVDH001	2	4	3.00E-02	440	1180	0.118	0.044
KVDH001	4	6	3.00E-02	310	1070	0.107	3.10E-02
KVDH001	6	8	1.00E-02	520	1300	0.13	5.20E-02
KVDH001	8	10	1.00E-02	210	1160	0.116	0.021
KVDH001	10	12	8.00E-02	310	1690	0.169	3.10E-02
KVDH001	12	14	4.00E-02	150	1120	0.112	0.015
KVDH001	14	16	1.00E-02	210	1620	0.162	0.021
KVDH001	16	18	4.00E-02	220	2170	0.21699999	0.022
KVDH001	18	20	3.00E-02	290	1860	0.186	2.90E-02
KVDH001	20	22	3.00E-02	590	2400	0.23999999	0.059
KVDH001	22	24	1.00E-02	470	1530	0.153	4.70E-02
KVDH001	24	26	3.00E-02	140	2750	0.27500001	0.014
KVDH001	26	28	4.00E-02	140	2080	0.208	0.014
KVDH001	28	30	-1.00E-02	20	2250	0.22499999	2.00E-03
KVDH001	30	32	1.00E-02	20	770	0.077	2.00E-03
KVDH001	32	34	-1.00E-02	10	560	5.60E-02	0.001
KVDH001	34	36	-1.00E-02	20	430	4.30E-02	2.00E-03
KVDH001	36	38	-1.00E-02	40	610	6.10E-02	4.00E-03
KVDH001	38	40	1.00E-02	140	1060	0.106	0.014
KVDH001	40	42	-1.00E-02	160	5780	0.57800001	1.60E-02
KVDH001	42	44	0.07	140	7220	0.722	0.014

KVDH001	44	46	0.07	130	8690	0.86900002	0.013
KVDH001	46	48	-1.00E-02	200	4340	0.43399999	0.02
KVDH001	48	49	-1.00E-02	290	3940	0.39399999	2.90E-02
KVDH001	49	50	1.00E-02	360	4790	0.479	3.60E-02
KVDH001	50	51	4.00E-02	90	6160	0.616	9.00E-03
KVDH001	51	52	4.00E-02	70	14050	1.405	7.00E-03
KVDH001	52	53	4.00E-02	140	7330	0.73299998	0.014
KVDH001	53	54	4.00E-02	160	26800	2.6800001	1.60E-02
KVDH001	54	55	3.00E-02	360	108500	10.85	3.60E-02
KVDH001	55	56	4.00E-02	220	37900	3.79	0.022
KVDH001	56	57	6.00E-02	170	3890	0.389	1.70E-02
KVDH001	57	58	4.00E-02	80	94000	9.3999996	8.00E-03
KVDH001	58	59	4.00E-02	80	5580	0.55800003	8.00E-03
KVDH001	59	60	4.00E-02	240	4070	0.40700001	0.024
KVDH001	60	61	4.00E-02	170	3580	0.35800001	1.70E-02
KVDH001	61	62	3.00E-02	120	3090	0.30899999	0.012
KVDH001	62	63	3.00E-02	110	2930	0.29300001	0.011
KVDH001	63	64	4.00E-02	160	2800	0.28	1.60E-02
KVDH001	64	65	3.00E-02	150	2120	0.212	0.015
KVDH001	65	66	4.00E-02	130	18100	1.8099999	0.013
KVDH001	66	67	6.00E-02	200	12050	1.205	0.02
KVDH001	67	68	6.00E-02	270	17400	1.74	2.70E-02
KVDH001	68	69	8.00E-02	140	8740	0.87400001	0.014
KVDH001	69	71	0.1	70	4710	0.47099999	7.00E-03
KVDH001	71	73	8.00E-02	220	8490	0.84899998	0.022
KVDH001	73	75	8.00E-02	60	2530	0.25299999	6.00E-03
KVDH001	75	77	8.00E-02	30	290	2.90E-02	0.003
KVDH001	77	79	0.07	60	1200	0.12	6.00E-03
KVDH001	79	81	4.00E-02	1020	7610	0.76099998	0.102
KVDH001	81	83	6.00E-02	130	3610	0.361	0.013
KVDH001	83	84	4.00E-02	130	1160	0.116	0.013
KVDH001	84	85	6.00E-02	90	3140	0.31400001	9.00E-03
KVDH001	85	86	4.00E-02	130	1520	0.152	0.013
KVDH001	86	87	0.07	2420	130000	13	0.242
KVDH001	87	88	4.00E-02	780	56700	5.6700001	7.80E-02
KVDH001	88	89	-1.00E-02	7980	82900	8.29	0.79799998
KVDH001	89	90	-1.00E-02	1630	98900	9.8900003	0.163
KVDH001	90	91	-1.00E-02	4290	47900	4.79	0.42899999
KVDH001	91	92	0.1	1070	82100	8.21	0.107
KVDH001	92	93	-1.00E-02	960	69200	6.9200001	9.60E-02
KVDH001	93	94	-1.00E-02	1230	33100	3.3099999	0.123
KVDH001	94	95	1.00E-02	530	7350	0.73500001	5.30E-02
KVDH001	95	96	0.14	500	1960	0.19599999	5.00E-02
KVDH001	96	97	0.25	250	1220	0.122	0.025
KVDH001	97	98	0.18000001	160	1220	0.122	1.60E-02
KVDH001	98	100	4.9299998	60	730	7.30E-02	6.00E-03
KVDH001	100	102	9.0799999	10	-10	-0.001	0.001
KVDH001	102	103.2	9.6999998	-10	-10	-0.001	-0.001
KVDH002	0	2	1.00E-02	60	1240	0.124	6.00E-03
KVDH002	2	4	3.00E-02	120	1910	0.191	0.012
KVDH002	4	6	4.00E-02	100	1780	0.178	1.00E-02
KVDH002	6	8	1.00E-02	90	2340	0.234	9.00E-03
KVDH002	8	10	1.00E-02	80	2050	0.205	8.00E-03
KVDH002	10	12	-1.00E-02	40	1740	0.17399999	4.00E-03
KVDH002	12	14	3.00E-02	50	1620	0.162	5.00E-03
KVDH002	14	16	-1.00E-02	60	1770	0.177	6.00E-03
KVDH002	16	18	3.00E-02	20	1640	0.164	2.00E-03
KVDH002	18	20	3.00E-02	40	1840	0.184	4.00E-03
KVDH002	20	22	4.00E-02	40	2090	0.20900001	4.00E-03
KVDH002	22	24	1.00E-02	40	1670	0.167	4.00E-03
KVDH002	24	26	-1.00E-02	40	2010	0.20100001	4.00E-03
KVDH002	26	28	-1.00E-02	50	2310	0.23100001	5.00E-03
KVDH002	28	30	-1.00E-02	50	2440	0.244	5.00E-03

KVDH002	30	32	1.00E-02	80	2250	0.22499999	8.00E-03
KVDH002	32	34	1.00E-02	60	3090	0.30899999	6.00E-03
KVDH002	34	36	3.00E-02	30	2950	0.29499999	0.003
KVDH002	36	37	8.00E-02	30	3060	0.30599999	0.003
KVDH002	37	38	0.1	70	3720	0.37200001	7.00E-03
KVDH002	38	39	8.00E-02	120	4600	0.46000001	0.012
KVDH002	39	40	0.14	20	21800	2.1800001	2.00E-03
KVDH002	40	41	0.13	90	76100	7.6100001	9.00E-03
KVDH002	41	42	0.13	80	42200	4.2199998	8.00E-03
KVDH002	42	43	0.14	30	106000	10.6	0.003
KVDH002	43	44	0.15000001	10	7610	0.76099998	0.001
KVDH002	44	45	0.11	10	4430	0.44299999	0.001
KVDH002	45	46	0.07	-10	32200	3.22	-0.001
KVDH002	46	47	0.07	-10	39300	3.9300001	-0.001
KVDH002	47	48	0.14	-10	2330	0.233	-0.001
KVDH002	48	49	0.1	-10	37600	3.76	-0.001
KVDH002	49	50	0.1	-10	13350	1.335	-0.001
KVDH002	50	51	0.1	10	13500	1.35	0.001
KVDH002	51	52	0.1	-10	58600	5.8600001	-0.001
KVDH002	52	53	0.07	-10	114000	11.4	-0.001
KVDH002	53	54	0.14	-10	53900	5.3899999	-0.001
KVDH002	54	55	0.11	-10	44200	4.4200001	-0.001
KVDH002	55	56	0.1	-10	32300	3.23	-0.001
KVDH002	56	57	0.1	-10	52400	5.2399998	-0.001
KVDH002	57	58	0.11	-10	89200	8.9200001	-0.001
KVDH002	58	59	0.1	10	86800	8.6800003	0.001
KVDH002	59	60	0.14	-10	47600	4.7600002	-0.001
KVDH002	60	61	0.11	40	113000	11.3	4.00E-03
KVDH002	61	62	0.15000001	40	85000	8.5	4.00E-03
KVDH002	62	63	0.15000001	-10	23100	2.3099999	-0.001
KVDH002	63	64	0.13	-10	9730	0.97299999	-0.001
KVDH002	64	65	0.14	10	10200	1.02	0.001
KVDH002	65	66	0.18000001	-10	67900	6.79	-0.001
KVDH002	66	67	0.07	10	218000	21.799999	0.001
KVDH002	67	68	0.18000001	30	39300	3.9300001	0.003
KVDH002	68	69	0.15000001	150	154500	15.45	0.015
KVDH002	69	70	4.00E-02	60	64300	6.4299998	6.00E-03
KVDH002	70	71	1.00E-02	40	81300	8.1300001	4.00E-03
KVDH002	71	72	3.00E-02	20	50300	5.0300002	2.00E-03
KVDH002	72	73	3.00E-02	30	28700	2.8699999	0.003
KVDH002	73	74	3.00E-02	10	40600	4.0599999	0.001
KVDH002	74	75	3.00E-02	-10	156000	15.6	-0.001
KVDH002	75	76	1.00E-02	30	124000	12.4	0.003
KVDH002	76	77	4.00E-02	30	70500	7.0500002	0.003
KVDH002	77	78	4.00E-02	20	10900	1.09	2.00E-03
KVDH002	78	79	3.00E-02	10	6480	0.648	0.001
KVDH002	79	80	4.00E-02	-10	3780	0.37799999	-0.001
KVDH002	80	81	8.00E-02	-10	26200	2.6199999	-0.001
KVDH002	81	82	4.00E-02	50	29100	2.9100001	5.00E-03
KVDH002	82	83	4.00E-02	20	14050	1.405	2.00E-03
KVDH002	83	84	0.51999998	70	26400	2.6400001	7.00E-03
KVDH002	84	85	0.38999999	20	15550	1.5549999	2.00E-03
KVDH002	85	86	8.00E-02	30	14350	1.4349999	0.003
KVDH002	86	87	4.00E-02	10	13800	1.38	0.001
KVDH002	87	88	4.00E-02	30	16900	1.6900001	0.003
KVDH002	88	89	0.07	20	48200	4.8200002	2.00E-03
KVDH002	89	90	4.00E-02	20	44400	4.4400001	2.00E-03
KVDH002	90	91	6.00E-02	10	9810	0.98100001	0.001
KVDH002	91	92	6.00E-02	-10	8400	0.83999997	-0.001
KVDH002	92	93	0.07	40	19150	1.915	4.00E-03
KVDH002	93	94	0.07	40	16300	1.63	4.00E-03
KVDH002	94	95	6.00E-02	250	19050	1.905	0.025
KVDH002	95	96	0.15000001	20	7630	0.76300001	2.00E-03

KVDH002	96	97	0.38	60	3570	0.35699999	6.00E-03
KVDH002	97	98	0.2	110	4000	0.40000001	0.011
KVDH002	98	99	0.69999999	100	3050	0.30500001	1.00E-02
KVDH002	99	100	13.85	30	3120	0.31200001	0.003
KVDH002	100	101	9.6999998	270	660	0.066	2.70E-02
KVDH002	101	102	6.8600001	130	200	0.02	0.013
KVDH002	102	104	7.77	80	30	0.003	8.00E-03
KVDH002	104	106	6.73	40	30	0.003	4.00E-03
KVDH002	106	108	5.1100001	10	10	0.001	0.001
KVDH002	108	110	4.46	-10	50	5.00E-03	-0.001
KVDH003	0	2	4.00E-02	190	2610	0.26100001	1.90E-02
KVDH003	2	4	3.00E-02	100	2530	0.25299999	1.00E-02
KVDH003	4	6	0.22	70	1120	0.112	7.00E-03
KVDH003	6	8	4.00E-02	50	1400	0.14	5.00E-03
KVDH003	8	10	3.00E-02	80	1240	0.124	8.00E-03
KVDH003	10	12	1.00E-02	70	1130	0.113	7.00E-03
KVDH003	12	14	3.00E-02	120	1720	0.17200001	0.012
KVDH003	14	16	-1.00E-02	70	1320	0.132	7.00E-03
KVDH003	16	18	3.00E-02	170	2140	0.214	1.70E-02
KVDH003	18	20	1.00E-02	260	2230	0.223	2.60E-02
KVDH003	20	22	1.00E-02	380	2380	0.23800001	3.80E-02
KVDH003	22	23	1.00E-02	180	1860	0.186	1.80E-02
KVDH003	23	24	1.00E-02	620	2350	0.235	6.20E-02
KVDH003	24	25	1.00E-02	270	1870	0.18700001	2.70E-02
KVDH003	25	26	6.00E-02	170	1110	0.111	1.70E-02
KVDH003	26	27	1.00E-02	480	1680	0.168	0.048
KVDH003	27	28	1.00E-02	410	1560	0.156	4.10E-02
KVDH003	28	29	4.00E-02	380	2170	0.21699999	3.80E-02
KVDH003	29	30	3.00E-02	730	4010	0.40099999	7.30E-02
KVDH003	30	31	4.00E-02	750	2890	0.289	7.50E-02
KVDH003	31	32	4.00E-02	530	2680	0.26800001	5.30E-02
KVDH003	32	33	4.00E-02	320	2300	0.23	3.20E-02
KVDH003	33	34	4.00E-02	440	28200	2.8199999	0.044
KVDH003	34	35	4.00E-02	120	3360	0.336	0.012
KVDH003	35	36	6.00E-02	620	6060	0.60600001	6.20E-02
KVDH003	36	37	3.00E-02	360	9060	0.90600002	3.60E-02
KVDH003	37	38	4.00E-02	290	8440	0.84399998	2.90E-02
KVDH003	38	39	4.00E-02	140	6310	0.63099998	0.014
KVDH003	39	40	4.00E-02	270	3890	0.389	2.70E-02
KVDH003	40	41	4.00E-02	180	7690	0.76899999	1.80E-02
KVDH003	41	42	3.00E-02	130	46700	4.6700001	0.013
KVDH003	42	43	3.00E-02	160	53800	5.3800001	1.60E-02
KVDH003	43	44	1.00E-02	200	17000	1.7	0.02
KVDH003	44	45	1.00E-02	220	10250	1.025	0.022
KVDH003	45	46	1.00E-02	220	8840	0.884	0.022
KVDH003	46	47	1.00E-02	170	7290	0.72899997	1.70E-02
KVDH003	47	48	1.00E-02	120	39000	3.9000001	0.012
KVDH003	48	49	1.00E-02	70	14200	1.42	7.00E-03
KVDH003	49	50	1.00E-02	20	1540	0.154	2.00E-03
KVDH003	50	51	1.00E-02	80	2760	0.27599999	8.00E-03
KVDH003	51	52	1.00E-02	30	3530	0.35299999	0.003
KVDH003	52	53	1.00E-02	60	12400	1.24	6.00E-03
KVDH003	53	54	-1.00E-02	70	11550	1.155	7.00E-03
KVDH003	54	55	-1.00E-02	60	10550	1.0549999	6.00E-03
KVDH003	55	56	-1.00E-02	110	5210	0.52100003	0.011
KVDH003	56	57	-1.00E-02	60	71200	7.1199999	6.00E-03
KVDH003	57	58	-1.00E-02	10	70800	7.0799999	0.001
KVDH003	58	59	-1.00E-02	20	57300	5.73	2.00E-03
KVDH003	59	60	-1.00E-02	70	71000	7.0999999	7.00E-03
KVDH003	60	61	-1.00E-02	10	34500	3.45	0.001
KVDH003	61	62	-1.00E-02	20	32200	3.22	2.00E-03
KVDH003	62	63	-1.00E-02	60	12100	1.21	6.00E-03
KVDH003	63	64	-1.00E-02	70	60700	6.0700002	7.00E-03

KVDH003	64	65	1.00E-02	10	5850	0.58499998	0.001
KVDH003	65	66	-1.00E-02	50	42200	4.2199998	5.00E-03
KVDH003	66	67	-1.00E-02	90	19200	1.92	9.00E-03
KVDH003	67	68	-1.00E-02	120	4380	0.43799999	0.012
KVDH003	68	69	-1.00E-02	140	24200	2.4200001	0.014
KVDH003	69	70	-1.00E-02	140	5410	0.54100001	0.014
KVDH003	70	71	-1.00E-02	80	1890	0.189	8.00E-03
KVDH003	71	72	3.00E-02	30	3970	0.39700001	0.003
KVDH003	72	74	4.00E-02	50	3670	0.36700001	5.00E-03
KVDH003	74	76	0.07	80	7350	0.73500001	8.00E-03
KVDH003	76	78	4.00E-02	70	2210	0.221	7.00E-03
KVDH003	78	80	4.00E-02	80	6070	0.60699999	8.00E-03
KVDH003	80	82	6.00E-02	60	5500	0.55000001	6.00E-03
KVDH003	82	84	4.00E-02	70	6230	0.62300003	7.00E-03
KVDH003	84	86	6.00E-02	130	2170	0.21699999	0.013
KVDH003	86	88	4.00E-02	430	990	9.90E-02	4.30E-02
KVDH003	88	89	4.00E-02	150	1490	0.149	0.015
KVDH003	89	90	6.00E-02	270	2880	0.28799999	2.70E-02
KVDH003	90	91	3.00E-02	330	3300	0.33000001	0.033
KVDH003	91	92	4.00E-02	180	5750	0.57499999	1.80E-02
KVDH003	92	93	4.00E-02	590	55900	5.5900002	0.059
KVDH003	93	94.800003	3.00E-02	50	47000	4.6999998	5.00E-03
KVDH003	94.800003	96.300003	3.00E-02	40	18450	1.845	4.00E-03
KVDH003	96.300003	97.800003	3.00E-02	190	119500	11.95	1.90E-02
KVDH003	97.800003	98.800003	4.00E-02	60	21200	2.1199999	6.00E-03
KVDH003	98.800003	99.800003	3.00E-02	40	17100	1.71	4.00E-03
KVDH003	99.800003	100.8	4.00E-02	80	9540	0.954	8.00E-03
KVDH003	100.8	101.8	4.00E-02	50	18800	1.88	5.00E-03
KVDH003	101.8	102.8	4.00E-02	70	25300	2.53	7.00E-03
KVDH003	102.8	103.8	3.00E-02	260	13400	1.34	2.60E-02
KVDH003	103.8	105.3	6.00E-02	310	30900	3.0899999	3.10E-02
KVDH003	105.3	106.8	4.00E-02	510	104500	10.45	5.10E-02
KVDH003	106.8	108.3	4.21	230	1240	0.124	0.023
KVDH003	108.3	109.8	5.7199998	170	210	0.021	1.70E-02
KVDH003	109.8	111	6.0999999	100	60	6.00E-03	1.00E-02
KVDH003	111	113	10.1	70	340	3.40E-02	7.00E-03
KVDH003	113	115	5.5100002	20	70	7.00E-03	2.00E-03
KVDH003	115	117	4.2399998	10	30	0.003	0.001
KVDH003	117	119	5.0500002	20	20	2.00E-03	2.00E-03
KVDH003	119	121	8.21	20	20	2.00E-03	2.00E-03
KVDH004	0	2	0.1	10	310	3.10E-02	0.001
KVDH004	2	4	6.00E-02	20	450	4.50E-02	2.00E-03
KVDH004	4	6	6.00E-02	20	390	3.90E-02	2.00E-03
KVDH004	6	8	4.00E-02	20	690	6.90E-02	2.00E-03
KVDH004	8	10	3.00E-02	20	710	7.10E-02	2.00E-03
KVDH004	10	12	3.00E-02	10	1710	0.171	0.001
KVDH004	12	14	0.07	40	2320	0.23199999	4.00E-03
KVDH004	14	16	6.00E-02	20	1320	0.132	2.00E-03
KVDH004	16	18	3.00E-02	30	2720	0.27200001	0.003
KVDH004	18	20	4.00E-02	20	2750	0.27500001	2.00E-03
KVDH004	20	22	6.00E-02	60	1580	0.15800001	6.00E-03
KVDH004	22	24	4.00E-02	80	1200	0.12	8.00E-03
KVDH004	24	26	0.07	50	1500	0.15000001	5.00E-03
KVDH004	26	28	4.00E-02	60	1420	0.142	6.00E-03
KVDH004	28	30	6.00E-02	90	1280	0.12800001	9.00E-03
KVDH004	30	32	4.00E-02	160	1060	0.106	1.60E-02
KVDH004	32	34	3.00E-02	40	1400	0.14	4.00E-03
KVDH004	34	36	3.00E-02	10	1010	0.101	0.001
KVDH004	36	37	3.00E-02	10	660	0.066	0.001
KVDH004	37	38	3.00E-02	-10	740	7.40E-02	-0.001
KVDH004	38	39	3.00E-02	10	760	7.60E-02	0.001
KVDH004	39	40	1.00E-02	20	60300	6.0300002	2.00E-03
KVDH004	40	41	3.00E-02	-10	5940	0.59399998	-0.001

KVDH004	41	42	3.00E-02	-10	890	8.90E-02	-0.001
KVDH004	42	43	1.00E-02	-10	670	6.70E-02	-0.001
KVDH004	43	44	3.00E-02	20	750	7.50E-02	2.00E-03
KVDH004	44	45	3.00E-02	80	1060	0.106	8.00E-03
KVDH004	45	46	3.00E-02	60	1340	0.134	6.00E-03
KVDH004	46	47	3.00E-02	60	1880	0.18799999	6.00E-03
KVDH004	47	48	1.00E-02	20	2760	0.27599999	2.00E-03
KVDH004	48	49	3.00E-02	10	35600	3.5599999	0.001
KVDH004	49	50	1.00E-02	10	99100	9.9099998	0.001
KVDH004	50	51	1.00E-02	-10	70700	7.0700002	-0.001
KVDH004	51	52	3.00E-02	-10	12900	1.29	-0.001
KVDH004	52	53	0.07	10	11650	1.165	0.001
KVDH004	53	54	6.00E-02	10	4140	0.414	0.001
KVDH004	54	55	0.07	20	19300	1.9299999	2.00E-03
KVDH004	55	56	4.00E-02	60	39400	3.9400001	6.00E-03
KVDH004	56	57	6.00E-02	140	93100.008	9.3100004	0.014
KVDH004	57	58	1.00E-02	130	141000	14.1	0.013
KVDH004	58	59	1.00E-02	140	86100	8.6099997	0.014
KVDH004	59	60	3.00E-02	160	22900	2.29	1.60E-02
KVDH004	60	61	1.00E-02	-10	58100	5.8099999	-0.001
KVDH004	61	62	1.00E-02	-10	10450	1.045	-0.001
KVDH004	62	63	3.00E-02	-10	15800	1.58	-0.001
KVDH004	63	64	1.00E-02	10	55900	5.5900002	0.001
KVDH004	64	65	1.00E-02	-10	144500	14.45	-0.001
KVDH004	65	66	3.00E-02	10	7070	0.70700002	0.001
KVDH004	66	67	3.00E-02	-10	3050	0.30500001	-0.001
KVDH004	67	68	1.00E-02	-10	2690	0.26899999	-0.001
KVDH004	68	69	3.00E-02	10	3050	0.30500001	0.001
KVDH004	69	70	1.00E-02	20	2110	0.211	2.00E-03
KVDH004	70	71	3.00E-02	60	1960	0.19599999	6.00E-03
KVDH004	71	72	3.00E-02	80	590	0.059	8.00E-03
KVDH004	72	73	3.00E-02	60	10050	1.005	6.00E-03
KVDH004	73	74	3.00E-02	-10	2860	0.28600001	-0.001
KVDH004	74	75	3.00E-02	30	14550	1.455	0.003
KVDH004	75	76	3.00E-02	20	3370	0.33700001	2.00E-03
KVDH004	76	77	3.00E-02	-10	12400	1.24	-0.001
KVDH004	77	78	3.00E-02	20	1560	0.156	2.00E-03
KVDH004	78	80	4.00E-02	30	150	0.015	0.003
KVDH004	80	82	6.00E-02	30	100	1.00E-02	0.003
KVDH004	82	84	6.00E-02	30	100	1.00E-02	0.003
KVDH004	84	86	6.00E-02	50	120	0.012	5.00E-03
KVDH004	86	88	0.07	40	130	0.013	4.00E-03
KVDH004	88	90	0.07	30	330	0.033	0.003
KVDH004	90	92	8.00E-02	60	310	3.10E-02	6.00E-03
KVDH004	92	94	0.07	30	110	0.011	0.003
KVDH004	94	96	6.00E-02	30	100	1.00E-02	0.003
KVDH004	96	98	6.00E-02	30	90	9.00E-03	0.003
KVDH004	98	100	4.00E-02	30	90	9.00E-03	0.003
KVDH004	100	102	4.00E-02	80	100	1.00E-02	8.00E-03
KVDH004	102	104	4.00E-02	30	80	8.00E-03	0.003
KVDH004	104	106	4.00E-02	50	80	8.00E-03	5.00E-03
KVDH004	106	108	3.00E-02	40	70	7.00E-03	4.00E-03
KVDH004	108	110	3.00E-02	40	70	7.00E-03	4.00E-03
KVDH004	110	112	3.00E-02	40	70	7.00E-03	4.00E-03
KVDH004	112	114	4.00E-02	30	70	7.00E-03	0.003
KVDH004	114	116	4.00E-02	40	120	0.012	4.00E-03
KVDH004	116	118	4.00E-02	40	80	8.00E-03	4.00E-03
KVDH004	118	120	4.00E-02	40	70	7.00E-03	4.00E-03
KVDH004	120	122	3.00E-02	20	60	6.00E-03	2.00E-03
KVDH004	122	124	4.00E-02	30	70	7.00E-03	0.003
KVDH004	124	126	6.00E-02	30	180	1.80E-02	0.003
KVDH004	126	127	0.07	20	2690	0.26899999	2.00E-03
KVDH004	127	128	6.00E-02	20	6870	0.68699998	2.00E-03

KVDH004	128	129	4.00E-02	20	17500	1.75	2.00E-03
KVDH004	129	130	4.00E-02	20	19450	1.9450001	2.00E-03
KVDH004	130	131	8.00E-02	-10	27300	2.73	-0.001
KVDH004	131	132	8.00E-02	20	13650	1.365	2.00E-03
KVDH004	132	133	0.07	10	26900	2.6900001	0.001
KVDH004	133	134	4.00E-02	-10	28100	2.8099999	-0.001
KVDH004	134	135	4.00E-02	-10	44000	4.4000001	-0.001
KVDH004	135	136	4.00E-02	-10	4520	0.45199999	-0.001
KVDH004	136	137	4.00E-02	-10	16150	1.615	-0.001
KVDH004	137	138	3.00E-02	-10	130500	13.05	-0.001
KVDH004	138	139	3.00E-02	-10	21300	2.1300001	-0.001
KVDH004	139	140	3.00E-02	-10	10150	1.015	-0.001
KVDH004	140	141.5	3.00E-02	-10	18000	1.8	-0.001
KVDH004	141.5	143	3.00E-02	10	4780	0.47799999	0.001
KVDH004	143	144	4.00E-02	-10	3980	0.398	-0.001
KVDH004	144	145	4.00E-02	-10	80000	8	-0.001
KVDH004	145	146	3.00E-02	10	3330	0.333	0.001
KVDH004	146	147.5	4.00E-02	10	1660	0.16599999	0.001
KVDH004	147.5	149	3.00E-02	10	2700	0.27000001	0.001
KVDH004	149	150.5	4.3200002	20	890	8.90E-02	2.00E-03
KVDH004	150.5	152	19.15	-10	50	5.00E-03	-0.001
KVDH004	152	155	8.7700005	10	100	1.00E-02	0.001
KVDH004	155	156.5	2.1400001	10	150	0.015	0.001
KVDH004	156.5	158	19.25	20	900	9.00E-02	2.00E-03
KVDH004	158	160	5.8200002	60	100	1.00E-02	6.00E-03
KVDH004	160	162	9.5799999	240	490	4.90E-02	0.024
KVDH004	162	164	6.6199999	40	90	9.00E-03	4.00E-03
KVTR001	47	48		206			0.0206
KVTR001	48	49		119			0.0119
KVTR001	49	50		75			7.50E-03
KVTR001	50	51		63			0.0063
KVTR001	51	52		139			0.0139
KVTR001	52	53		103			0.0103
KVTR001	53	54		112			0.0112
KVTR001	54	55		67			6.70E-03
KVTR001	55	56		82			0.0082
KVTR001	56	57		42			4.20E-03
KVTR001	57	58		134			0.0134
KVTR001	58	59		89			8.90E-03
KVTR001	59	60		87			8.70E-03
KVTR001	60	61		99			9.90E-03
KVTR001	61	62		105			0.0105
KVTR001	62	63		120			0.012
KVTR001	63	64		123			0.0123
KVTR001	64	65		130			0.013
KVTR001	65	66		108			0.0108
KVTR001	66	67		128			0.0128
KVTR001	67	68		162			0.0162
KVTR001	68	69		186			0.0186
KVTR001	69	70		134			0.0134
KVTR001	70	71					
KVTR001	71	72		128			0.0128
KVTR001	72	73		139			0.0139
KVTR001	73	74		167			0.0167
KVTR001	74	75		120			0.012
KVTR001	75	76		85			8.50E-03
KVTR001	76	77		74			0.0074
KVTR001	77	78		101			0.0101
KVTR001	78	79		144			0.0144
KVTR001	79	80		169			1.69E-02
KVTR001	80	81		171			1.71E-02
KVTR001	81	82		82			0.0082
KVTR001	82	83		103			0.0103

KVTR001	83	84	90			9.00E-03
KVTR001	84	85	305			0.0305
KVTR001	85	86	85	5240	0.52399999	8.50E-03
KVTR001	86	87	140			0.014
KVTR001	87	88	67	2340	0.234	6.70E-03
KVTR001	88	89	76	7410	0.741	7.60E-03
KVTR001	89	90	48	3310	0.331	4.80E-03
KVTR001	90	91	70			7.00E-03
KVTR001	91	92	104	4060	0.40599999	0.0104
KVTR001	92	93	51	8060	0.80599999	5.10E-03
KVTR001	93	94	110			0.011
KVTR001	94	95	69			6.90E-03
KVTR001	95	96	71			0.0071
KVTR001	96	97	72			7.20E-03
KVTR001	97	98	115	5790	0.579	0.0115
KVTR001	98	99	142			0.0142
KVTR001	99	100	134	1640	0.164	0.0134
KVTR001	100	104	91	1770	0.177	9.10E-03
KVTR001	104	108	114	2080	0.208	0.0114
KVTR001	108	112	76	1580	0.15800001	7.60E-03
KVTR001	112	116	38	714	7.14E-02	3.80E-03
KVTR001	116	120	46	717	7.17E-02	4.60E-03
KVTR001	120	124	83	502	0.0502	8.30E-03
KVTR001	124	128	33	330	0.033	0.0033
KVTR001	128	132	123	487	4.87E-02	0.0123
KVTR001	0	4	16	1865	0.1865	0.0016
KVTR001	4	8	8	9310	0.93099999	8.00E-04
KVTR001	8	12	29	2780	0.278	0.0029
KVTR001	12	13	11	1970	0.197	0.0011
KVTR001	13	14	10			0.001
KVTR001	14	15	6			6.00E-04
KVTR001	15	16	15			0.0015
KVTR001	16	17	88	4040	0.40400001	0.0088
KVTR001	17	18	117	3830	0.38299999	0.0117
KVTR001	18	19	147	824	8.24E-02	0.0147
KVTR001	19	20	317	1030	0.103	0.0317
KVTR001	20	21	295	957	9.57E-02	0.0295
KVTR001	21	22	296	7250	0.72500002	0.0296
KVTR001	22	23	171	1995	0.19949999	1.71E-02
KVTR001	23	24	132	4240	0.42399999	0.0132
KVTR001	24	25	124	793	7.93E-02	0.0124
KVTR001	25	28	119	1385	0.13850001	0.0119
KVTR001	28	31	123	2180	0.21799999	0.0123
KVTR002	0	1	772			7.72E-02
KVTR002	1	2	1155			0.1155
KVTR002	2	3	524			0.0524
KVTR002	3	4	516			5.16E-02
KVTR002	4	5	397			3.97E-02
KVTR002	5	6	213			2.13E-02
KVTR002	6	7	257			2.57E-02
KVTR002	7	8	141			0.0141
KVTR002	8	9	169			1.69E-02
KVTR002	9	10	271	5030	0.50300002	2.71E-02
KVTR002	10	11	173	2460	0.24600001	0.0173
KVTR002	11	12	205			2.05E-02
KVTR002	12	13	351			3.51E-02
KVTR002	13	14	272	9250	0.92500001	0.0272
KVTR002	14	15	309			0.0309
KVTR002	15	16	359			0.0359
KVTR002	16	17	335			3.35E-02
KVTR002	17	18	245	8190	0.81900001	2.45E-02
KVTR002	18	19	311			3.11E-02
KVTR002	19	20	366			3.66E-02

KVTR002	20	21	335			3.35E-02
KVTR002	21	22	340	7650	0.76499999	3.40E-02
KVTR002	22	23	414			0.0414
KVTR002	23	24	277			0.0277
KVTR002	24	25	428			4.28E-02
KVTR002	25	26	453			4.53E-02
KVTR002	26	27	397			3.97E-02
KVTR002	27	28	378			3.78E-02
KVTR002	28	29	237			2.37E-02
KVTR002	29	30	300			3.00E-02
KVTR002	30	31	389			3.89E-02
KVTR002	31	32	221			0.0221
KVTR002	32	33	176			0.0176
KVTR002	33	34	214			2.14E-02
KVTR002	34	35	154			0.0154
KVTR002	35	36	227			2.27E-02
KVTR002	36	37	474			4.74E-02
KVTR002	37	38	198			0.0198
KVTR002	38	39	207			0.0207
KVTR002	39	40	127	1975	0.19750001	0.0127
KVTR002	40	41	55			0.0055
KVTR002	41	42	62			6.20E-03
KVTR002	42	43	96	3060	0.30599999	9.60E-03
KVTR002	43	44	154			0.0154
KVTR002	44	45	56	5700	0.56999999	5.60E-03
KVTR002	45	46	101			0.0101
KVTR002	46	47	93			0.0093
KVTR002	47	48	85			8.50E-03
KVTR002	48	49	158			1.58E-02
KVTR002	49	50	230			0.023
KVTR002	50	51	284			0.0284
KVTR002	51	52	208			0.0208
KVTR002	52	53	166	3420	0.34200001	0.0166
KVTR002	53	54	245	4110	0.41100001	2.45E-02
KVTR002	54	55	350			0.035
KVTR002	55	56	142			0.0142
KVTR002	56	57	76	1420	0.142	7.60E-03
KVTR002	57	61	73	889	0.0889	7.30E-03
KVTR002	61	65	94	556	5.56E-02	9.40E-03
KVTR002	65	69	120	1170	0.117	0.012
KVTR002	69	73	222	633	6.33E-02	0.0222
KVTR002	73	76	243	1690	0.169	0.0243
KVTR002	76	79	71	1175	0.1175	0.0071
KVTR003	0	4	7	5850	0.58499998	7.00E-04
KVTR003	4	8	6	3360	0.336	6.00E-04
KVTR003	8	12	18	2100	0.20999999	0.0018
KVTR003	12	16	11	4310	0.43099999	0.0011
KVTR003	16	17	4	9760	0.97600001	4.00E-04
KVTR003	17	18	12			1.20E-03
KVTR003	18	19	20	7840	0.78399998	2.00E-03
KVTR003	19	20	10			0.001
KVTR003	20	21	12	8750	0.875	1.20E-03
KVTR003	21	22	20	1930	0.193	2.00E-03
KVTR003	22	23	8	3620	0.36199999	8.00E-04
KVTR003	23	24	15			0.0015
KVTR003	24	25	11	2990	0.29899999	0.0011
KVTR003	25	26	51			5.10E-03
KVTR003	26	27	63	4530	0.45300001	0.0063
KVTR003	27	28	84	785	7.85E-02	8.40E-03
KVTR003	28	29	69	315	3.15E-02	6.90E-03
KVTR003	29	30	58	264	0.0264	5.80E-03
KVTR003	30	34	79	497	4.97E-02	7.90E-03
KVTR003	34	38	77	326	3.26E-02	0.0077

KVTR003	38	42	74	310	3.10E-02	0.0074
KVTR003	42	46	63	838	8.38E-02	0.0063
KVTR003	46	50	83	460	0.046	8.30E-03
KVTR003	50	54	107	618	6.18E-02	0.0107
KVTR003	54	58	123	1100	0.11	0.0123
KVTR003	58	62	64	518	5.18E-02	6.40E-03
KVTR003	62	66	83	472	4.72E-02	8.30E-03
KVTR003	66	70	77	1080	0.108	0.0077
KVTR003	70	74	69	900	9.00E-02	6.90E-03
KVTR003	74	78	93	796	7.96E-02	0.0093
KVTR003	78	82	115	963	9.63E-02	0.0115
KVTR003	82	86	101	835	8.35E-02	0.0101
KVTR003	86	90	158	931	9.31E-02	1.58E-02
KVTR003	90	94	276	1215	0.1215	0.0276
KVTR003	94	98	186	1145	0.1145	0.0186
KVTR003	98	102	119	886	8.86E-02	0.0119
KVTR003	102	104	49	1065	0.1065	4.90E-03
KVTR003	104	108	62	747	7.47E-02	6.20E-03
KVTR003	108	112	87	967	9.67E-02	8.70E-03
KVTR003	112	116	56	1125	0.1125	5.60E-03
KVTR003	116	120	72	468	4.68E-02	7.20E-03
KVTR003	120	124	104	605	0.0605	0.0104
KVTR003	124	128	41	630	6.30E-02	0.0041
KVTR003	128	132	47	1035	0.1035	4.70E-03
KVTR003	132	134	77	2830	0.28299999	0.0077
KVTR003	134	136	78			7.80E-03
KVTR001	132	136	137	688	6.88E-02	0.0137
KVTR001	136	140	204	1045	0.1045	2.04E-02
KVTR001	140	144	66	690	6.90E-02	0.0066
KVTR001	144	148	77	382	3.82E-02	0.0077
KVTR001	148	152	46	317	0.0317	4.60E-03
KVTR001	152	156	60	388	3.88E-02	6.00E-03
KVTR001	156	160	80	899	8.99E-02	8.00E-03
KVTR004	0	4	14	1160	0.116	0.0014
KVTR004	4	8	7	927	9.27E-02	7.00E-04
KVTR004	8	12	11	1465	0.14650001	0.0011
KVTR004	12	14	13	3970	0.39700001	0.0013
KVTR004	14	15	17			0.0017
KVTR004	15	16	27	4080	0.40799999	2.70E-03
KVTR004	16	17	7	1840	0.184	7.00E-04
KVTR004	17	18	25	2990	0.29899999	2.50E-03
KVTR004	18	19	76	1135	0.1135	7.60E-03
KVTR004	19	20	108	1435	0.1435	0.0108
KVTR004	20	21	207	3420	0.34200001	0.0207
KVTR004	21	22	224	6770	0.67699999	2.24E-02
KVTR004	22	23	127	3620	0.36199999	0.0127
KVTR004	23	24	96	7260	0.72600001	9.60E-03
KVTR004	24	25	72			7.20E-03
KVTR004	25	26	57	5880	0.588	5.70E-03
KVTR004	26	27	85	7230	0.72299999	8.50E-03
KVTR004	27	28	82	8780	0.87800002	0.0082
KVTR004	28	29	109			0.0109
KVTR004	29	30	127			0.0127
KVTR004	30	31	142			0.0142
KVTR004	31	35	72			7.20E-03
KVTR004	35	39	55	1275	0.1275	0.0055
KVTR004	39	43	41	967	9.67E-02	0.0041
KVTR004	43	47	49	1320	0.132	4.90E-03
KVTR004	47	51	76	813	8.13E-02	7.60E-03
KVTR004	51	55	85	813	8.13E-02	8.50E-03
KVTR004	55	59	59	639	6.39E-02	5.90E-03
KVTR004	59	63	383	3400	0.34	0.0383
KVTR004	63	67	174	1110	0.111	0.0174

KVTR004	67	71		95	1770	0.177	9.50E-03
KVTR004	71	75		67	1330	0.133	6.70E-03
KVTR004	75	79		38	1375	0.1375	3.80E-03
KVTR005	0	4		5	353	3.53E-02	5.00E-04
KVTR005	4	8		6	189	0.0189	6.00E-04
KVTR005	8	12		7	680	6.80E-02	7.00E-04
KVTR005	12	16		5	806	8.06E-02	5.00E-04
KVTR005	16	20		-2	793	7.93E-02	-2.00E-04
KVTR005	20	24		11	1160	0.116	0.0011
KVTR005	24	28		12	1390	0.139	1.20E-03
KVTR005	28	32		10	1510	0.15099999	0.001
KVTR005	32	36		16	1310	0.131	0.0016
KVTR005	36	40		6			6.00E-04
KVTR005	40	44		10	2990	0.29899999	0.001
KVTR005	44	48		13	2210	0.221	0.0013
KVTR005	48	52		13	2340	0.234	0.0013
KVTR005	52	56		17	1400	0.14	0.0017
KVTR005	56	60		17	1260	0.126	0.0017
KVTR005	60	64		22	1290	0.12899999	0.0022
KVTR005	64	68		20	6510	0.65100002	2.00E-03
KVTR005	68	72		20			2.00E-03
KVTR005	72	76		22	9250	0.92500001	0.0022
KVTR005	76	80		23			2.30E-03
KVTR005	80	84		21			2.10E-03
KVTR005	84	88		19			0.0019
KVTR005	88	92		18			0.0018
KVTR005	92	96		30			0.003
KVTR005	96	100		44			0.0044
KVTR005	100	104		62	8500	0.85000002	6.20E-03
KVTR005	104	108		58			5.80E-03
TCRC001	1	5	-5.00E-02	680	700	0.07	6.80E-02
TCRC001	5	9	-5.00E-02	140	600	6.00E-02	0.014
TCRC001	9	13	-5.00E-02	40	400	4.00E-02	4.00E-03
TCRC001	13	17	-5.00E-02	50	700	0.07	5.00E-03
TCRC001	17	21	-5.00E-02	40	400	4.00E-02	4.00E-03
TCRC001	21	25	-5.00E-02	90	600	6.00E-02	9.00E-03
TCRC001	25	29	-5.00E-02	30	700	0.07	0.003
TCRC001	29	33	-5.00E-02	120	500	5.00E-02	0.012
TCRC001	33	37	-5.00E-02	310	700	0.07	3.10E-02
TCRC001	37	41	-5.00E-02	60	900	9.00E-02	6.00E-03
TCRC001	41	45	-5.00E-02	80	700	0.07	8.00E-03
TCRC001	45	49	-5.00E-02	260	800	8.00E-02	2.60E-02
TCRC001	49	52	-5.00E-02	110	800	8.00E-02	0.011
TCRC002	1	4	-5.00E-02	240	600	6.00E-02	0.024
TCRC002	4	8	-5.00E-02	100	900	9.00E-02	1.00E-02
TCRC002	8	12	-5.00E-02	250	2900	0.28999999	0.025
TCRC002	12	16	-5.00E-02	200	900	9.00E-02	0.02
TCRC002	16	18	-5.00E-02	150	1700	0.17	0.015
TCRC002	18	20	-5.00E-02	180	53100	5.3099999	1.80E-02
TCRC002	20	23	-5.00E-02	10	2000	0.2	0.001
TCRC002	23	24	-5.00E-02	20	19300	1.9299999	2.00E-03
TCRC002	24	25	-5.00E-02	50	29900	2.99	5.00E-03
TCRC002	25	26	-5.00E-02	160	32400	3.24	1.60E-02
TCRC002	26	27	-5.00E-02	90	52300	5.23	9.00E-03
TCRC002	27	28	-5.00E-02	10	25600	2.5599999	0.001
TCRC002	28	29	-5.00E-02	30	62900	6.29	0.003
TCRC002	29	30	-5.00E-02	60	94900	9.4899998	6.00E-03
TCRC002	30	31	-5.00E-02	400	57500	5.75	4.00E-02
TCRC002	31	32	-5.00E-02	110	9100	0.91000003	0.011
TCRC002	32	33	-5.00E-02	80	6800	0.68000001	8.00E-03
TCRC002	33	37	-5.00E-02	30	1900	0.19	0.003
TCRC002	37	38	-5.00E-02	40	2300	0.23	4.00E-03
TCRC002	38	39	-5.00E-02	550	64600	6.46	0.055

TCRC002	39	41	5.00E-02	70	29000	2.9000001	7.00E-03
TCRC002	41	43	-5.00E-02	110	25500	2.55	0.011
TCRC002	43	45	-5.00E-02	30	6300	0.63	0.003
TCRC002	45	47	-5.00E-02	250	12500	1.25	0.025
TCRC002	47	49	-5.00E-02	370	2800	0.28	0.037
TCRC002	49	50	-5.00E-02	60	17700	1.77	6.00E-03
TCRC002	50	51	-5.00E-02	420	4800	0.47999999	4.20E-02
TCRC002	51	52	-5.00E-02	410	3800	0.38	4.10E-02
TCRC002	52	53	-5.00E-02	390	32200	3.22	3.90E-02
TCRC002	53	57	-5.00E-02	210	7900	0.79000002	0.021
TCRC002	57	61	-5.00E-02	1420	6100	0.61000001	0.142
TCRC002	61	64	-5.00E-02	1880	5400	0.54000002	0.18799999
TCRC002	64	67	-5.00E-02	900	6200	0.62	9.00E-02
TCRC003	2	6	-5.00E-02	820	1000	0.1	8.20E-02
TCRC003	6	10	-5.00E-02	380	700	0.07	3.80E-02
TCRC003	10	14	-5.00E-02	80	800	8.00E-02	8.00E-03
TCRC003	14	18	-5.00E-02	20	400	4.00E-02	2.00E-03
TCRC003	18	22	-5.00E-02	70	700	0.07	7.00E-03
TCRC003	22	26	-5.00E-02	190	2500	0.25	1.90E-02
TCRC003	26	30	-5.00E-02	140	1800	0.18000001	0.014
TCRC003	30	34	-5.00E-02	290	800	8.00E-02	2.90E-02
TCRC003	34	38	-5.00E-02	240	1000	0.1	0.024
TCRC003	38	42	-5.00E-02	280	600	6.00E-02	2.80E-02
TCRC003	42	46	-5.00E-02	490	400	4.00E-02	4.90E-02
TCRC003	46	50	-5.00E-02	560	400	4.00E-02	5.60E-02
TCRC003	50	54	-5.00E-02	1940	1600	0.16	0.19400001
TCRC003	54	58	-5.00E-02	3130	6000	0.60000002	0.31299999
TCRC003	58	59	-5.00E-02	2810	61000	6.0999999	0.28099999
TCRC003	59	60	-5.00E-02	3060	50900	5.0900002	0.30599999
TCRC003	60	61	-5.00E-02	3750	80300	8.0299997	0.375
TCRC003	61	62	-5.00E-02	4500	142000	14.2	0.44999999
TCRC003	62	63	-5.00E-02	1710	34300	3.4300001	0.171
TCRC003	63	64	5.00E-02	2080	34300	3.4300001	0.208
TCRC003	64	65	-5.00E-02	3670	116500	11.65	0.36700001
TCRC003	65	66	-5.00E-02	3520	102500	10.25	0.352
TCRC003	66	67	-5.00E-02	3230	61900	6.1900001	0.32300001
TCRC003	67	68	-5.00E-02	5110	166500	16.65	0.51099998
TCRC003	68	69	-5.00E-02	4420	168500	16.85	0.442
TCRC003	69	70	-5.00E-02	3870	66300	6.6300001	0.38699999
TCRC003	70	71	-5.00E-02	2600	14600	1.46	0.25999999
TCRC003	71	72	-5.00E-02	3760	112500	11.25	0.37599999
TCRC003	72	73	-5.00E-02	4100	117000	11.7	0.41
TCRC003	73	74	-5.00E-02	6180	113000	11.3	0.61799997
TCRC003	74	75	-5.00E-02	4330	65600	6.5599999	0.433
TCRC003	75	76	-5.00E-02	3670	74000	7.4000001	0.36700001
TCRC003	76	77	-5.00E-02	1780	115500	11.55	0.178
TCRC003	77	78	-5.00E-02	1410	234000	23.4	0.141
TCRC003	78	79	-5.00E-02	1520	142500	14.25	0.152
TCRC003	79	80	-5.00E-02	1260	159500	15.95	0.126
TCRC003	80	81	-5.00E-02	1530	204000	20.4	0.153
TCRC003	81	82	-5.00E-02	2240	358000	35.799999	0.22400001
TCRC003	82	83	-5.00E-02	3090	42500	4.25	0.30899999
TCRC003	83	84	-5.00E-02	2510	89300	8.9300003	0.25099999
TCRC003	84	85	-5.00E-02	2320	143500	14.35	0.23199999
TCRC003	85	86	5.00E-02	1210	111500	11.15	0.121
TCRC003	86	87	5.00E-02	1540	79600	7.96	0.154
TCRC003	87	88	-5.00E-02	2220	81100	8.1099997	0.222
TCRC003	88	89	-5.00E-02	2570	37800	3.78	0.257
TCRC003	89	90	-5.00E-02	5150	98000	9.8000002	0.51499999
TCRC003	90	91	-5.00E-02	1900	55500	5.5500002	0.19
TCRC003	91	92	5.00E-02	3740	51200	5.1199999	0.37400001
TCRC003	92	93	-5.00E-02	2210	33000	3.3	0.221
TCRC003	93	94	5.00E-02	4490	121500	12.15	0.449

TCRC003	94	95	5.00E-02	4130	105500	10.55	0.41299999
TCRC003	95	96	-5.00E-02	6110	164000	16.4	0.611
TCRC003	96	97	-5.00E-02	11400	150500	15.05	1.14
TCRC003	97	98	6.00E-02	5380	118500	11.85	0.53799999
TCRC003	98	99	0.23999999	3840	74400	7.4400001	0.384
TCRC003	100	101	-5.00E-02	7420	129000	12.9	0.74199998
TCRC003	101	102	6.00E-02	8360	78600	7.8600001	0.83600003
TCRC003	102	103	0.07	5910	109000	10.9	0.59100002
TCRC003	103	104	0.07	3280	30800	3.0799999	0.32800001
TCRC003	104	105	0.07	2060	27000	2.7	0.206
TCRC003	105	106	0.07	1770	25800	2.5799999	0.177
TCRC003	106	107	5.00E-02	2330	20400	2.04	0.233
TCRC003	107	108	0.86000001	2140	52000	5.1999998	0.214
TCRC003	108	109	1.53	1970	10700	1.0700001	0.197
TCRC003	109	110	3.5	2300	19600	1.96	0.23
TCRC004	0	4	-5.00E-02	230	1200	0.12	0.023
TCRC004	4	8	-5.00E-02	680	1200	0.12	6.80E-02
TCRC004	8	12	-5.00E-02	240	1600	0.16	0.024
TCRC004	12	13	-5.00E-02	2220	53800	5.3800001	0.222
TCRC004	13	14	-5.00E-02	570	61500	6.1500001	0.057
TCRC004	14	15	-5.00E-02	360	29400	2.9400001	3.60E-02
TCRC004	15	16	-5.00E-02	880	35100	3.51	0.088
TCRC004	16	17	-5.00E-02	1320	65300	6.5300002	0.132
TCRC004	17	18	-5.00E-02	220	28100	2.8099999	0.022
TCRC004	18	19	-5.00E-02	160	72000	7.1999998	1.60E-02
TCRC004	19	20	-5.00E-02	30	24700	2.47	0.003
TCRC004	20	21	-5.00E-02	40	20000	2	4.00E-03
TCRC004	21	22	-5.00E-02	70	27300	2.73	7.00E-03
TCRC004	22	23	-5.00E-02	120	17200	1.72	0.012
TCRC004	23	25	-5.00E-02	300	8700	0.87	3.00E-02
TCRC004	25	26	1.58	170	20300	2.03	1.70E-02
TCRC004	26	27	-5.00E-02	340	7300	0.73000002	3.40E-02
TCRC004	27	31	-5.00E-02	100	1500	0.15000001	1.00E-02
TCRC004	31	35	-5.00E-02	1130	1800	0.18000001	0.113
TCRC004	35	39	-5.00E-02	2450	1400	0.14	0.245
TCRC004	39	43	-5.00E-02	330	500	5.00E-02	0.033
TCRC004	43	47	-5.00E-02	610	400	4.00E-02	6.10E-02
TCRC004	47	51	-5.00E-02	1340	600	6.00E-02	0.134
TCRC004	52	53	-5.00E-02	1780	600	6.00E-02	0.178
TCRC004	53	54	-5.00E-02	5470	59900	5.9899998	0.54699999
TCRC004	54	55	-5.00E-02	2730	64900	6.4899998	0.273
TCRC004	55	56	-5.00E-02	1950	54300	5.4299998	0.19499999
TCRC004	56	57	-5.00E-02	1610	77600	7.7600002	0.161
TCRC004	57	58	-5.00E-02	1860	42700	4.27	0.186
TCRC004	58	59	-5.00E-02	1510	71600	7.1599998	0.15099999
TCRC004	59	60	-5.00E-02	1580	152500	15.25	0.15800001
TCRC004	60	61	-5.00E-02	2800	104500	10.45	0.28
TCRC004	61	62	-5.00E-02	12250	225000	22.5	1.225
TCRC004	62	63	-5.00E-02	5190	108500	10.85	0.51899999
TCRC004	63	64	-5.00E-02	1210	153500	15.35	0.121
TCRC004	64	65	-5.00E-02	470	146500	14.65	4.70E-02
TCRC004	65	66	-5.00E-02	360	128000	12.8	3.60E-02
TCRC004	66	67	5.00E-02	340	26200	2.6199999	3.40E-02
TCRC004	67	68	-5.00E-02	1480	48800	4.8800001	0.148
TCRC004	68	69	-5.00E-02	300	82200	8.2200003	3.00E-02
TCRC004	69	70	-5.00E-02	150	45000	4.5	0.015
TCRC004	70	71	5.00E-02	1840	54700	5.4699998	0.184
TCRC004	71	72	5.00E-02	1720	43300	4.3299999	0.17200001
TCRC005	1	5	-5.00E-02	710	5200	0.51999998	7.10E-02
TCRC005	5	9	-5.00E-02	210	2000	0.2	0.021
TCRC005	9	13	-5.00E-02	220	1200	0.12	0.022
TCRC005	13	17	-5.00E-02	330	1600	0.16	0.033
TCRC005	17	21	-5.00E-02	120	1000	0.1	0.012

TCRC005	21	25	-5.00E-02	80	1800	0.18000001	8.00E-03
TCRC005	25	29	-5.00E-02	70	2200	0.22	7.00E-03
TCRC005	29	33	-5.00E-02	60	1000	0.1	6.00E-03
TCRC005	33	37	-5.00E-02	50	800	8.00E-02	5.00E-03
TCRC005	37	41	-5.00E-02	190	1800	0.18000001	1.90E-02
TCRC005	41	45	-5.00E-02	210	800	8.00E-02	0.021
TCRC005	45	49	-5.00E-02	30	500	5.00E-02	0.003
TCRC005	49	53	-5.00E-02	70	400	4.00E-02	7.00E-03
TCRC005	53	57	-5.00E-02	90	300	3.00E-02	9.00E-03
TCRC005	57	60	-5.00E-02	160	600	6.00E-02	1.60E-02
TCRC005	60	61	-5.00E-02	380	3200	0.31999999	3.80E-02
TCRC005	61	62	-5.00E-02	730	25300	2.53	7.30E-02
TCRC005	62	63	-5.00E-02	400	44300	4.4299998	4.00E-02
TCRC005	63	64	-5.00E-02	740	72100	7.21	7.40E-02
TCRC005	64	65	-5.00E-02	1230	91200	9.1199999	0.123
TCRC005	65	66	-5.00E-02	980	128500	12.85	9.80E-02
TCRC005	66	67	-5.00E-02	980	138500	13.85	9.80E-02
TCRC005	67	68	-5.00E-02	540	55200	5.52	5.40E-02
TCRC005	68	69	-5.00E-02	930	200000	20	9.30E-02
TCRC005	69	70	-5.00E-02	680	67000	6.6999998	6.80E-02
TCRC005	70	71	-5.00E-02	700	95600.008	9.5600004	0.07
TCRC005	71	72	-5.00E-02	580	63800	6.3800001	5.80E-02
TCRC005	72	73	-5.00E-02	880	261000	26.1	0.088
TCRC005	73	74	-5.00E-02	850	319000	31.9	8.50E-02
TCRC005	74	75	-5.00E-02	1080	364000	36.400002	0.108
TCRC005	75	76	-5.00E-02	970	302000	30.200001	9.70E-02
TCRC005	76	77	-5.00E-02	780	111000	11.1	7.80E-02
TCRC005	77	78	-5.00E-02	580	63400	6.3400002	5.80E-02
TCRC005	78	79	-5.00E-02	580	274000	27.4	5.80E-02
TCRC005	79	80	-5.00E-02	460	314000	31.4	0.046
TCRC005	80	81	-5.00E-02	440	20300	2.03	0.044
TCRC005	81	82	-5.00E-02	350	28700	2.8699999	0.035
TCRC005	82	83	-5.00E-02	430	162500	16.25	4.30E-02
TCRC005	83	84	-5.00E-02	350	153000	15.3	0.035
TCRC005	84	85	5.00E-02	1920	172500	17.25	0.192
TCRC005	85	86	6.00E-02	1100	76200	7.6199999	0.11
TCRC005	86	87	6.00E-02	870	69000	6.9000001	8.70E-02
TCRC006	0	4	-5.00E-02	1040	1800	0.18000001	0.104
TCRC006	4	8	0.07	100	1500	0.15000001	1.00E-02
TCRC006	8	12	6.00E-02	80	400	4.00E-02	8.00E-03
TCRC006	12	16	8.00E-02	80	600	6.00E-02	8.00E-03
TCRC006	16	20	6.00E-02	160	800	8.00E-02	1.60E-02
TCRC006	20	24	0.07	170	700	0.07	1.70E-02
TCRC006	24	28	6.00E-02	200	700	0.07	0.02
TCRC006	28	32	5.00E-02	340	900	9.00E-02	3.40E-02
TCRC006	32	36	5.00E-02	980	1000	0.1	9.80E-02
TCRC006	36	37	-5.00E-02	3810	2400	0.23999999	0.38100001
TCRC006	37	38	-5.00E-02	26200	116500	11.65	2.6199999
TCRC006	38	39	0.12	28600	35000	3.5	2.8599999
TCRC006	39	40	-5.00E-02	22700	21000	2.0999999	2.27
TCRC006	40	41	-5.00E-02	9130	45500	4.5500002	0.91299999
TCRC006	41	42	-5.00E-02	5000	29000	2.9000001	0.5
TCRC006	42	43	-5.00E-02	1010	20500	2.05	0.101
TCRC006	43	44	-5.00E-02	1200	20100	2.01	0.12
TCRC006	44	45	-5.00E-02	750	9200	0.92000002	7.50E-02
TCRC006	45	46	-5.00E-02	270	4900	0.49000001	2.70E-02
TCRC006	46	47	-5.00E-02	190	2900	0.28999999	1.90E-02
TCRC006	47	48	-5.00E-02	270	7000	0.69999999	2.70E-02
TCRC006	48	49	-5.00E-02	380	5300	0.52999997	3.80E-02
TCRC006	49	50	-5.00E-02	290	3300	0.33000001	2.90E-02
TCRC006	50	51	-5.00E-02	330	2200	0.22	0.033
TCRC006	51	52	-5.00E-02	370	2800	0.28	0.037
TCRC006	52	53	-5.00E-02	210	16400	1.64	0.021

TCRC006	53	54	-5.00E-02	250	7400	0.74000001	0.025
TCRC006	54	57	-5.00E-02	210	8500	0.85000002	0.021
TCRC006	57	58	-5.00E-02	150	12500	1.25	0.015
TCRC006	58	59	-5.00E-02	150	97000	9.6999998	0.015
TCRC006	59	60	-5.00E-02	90	90200.008	9.0200005	9.00E-03
TCRC006	60	61	-5.00E-02	90	48900	4.8899999	9.00E-03
TCRC006	61	62	-5.00E-02	290	122500	12.25	2.90E-02
TCRC006	62	63	-5.00E-02	170	83600	8.3599997	1.70E-02
TCRC006	63	64	-5.00E-02	140	95200.008	9.5200005	0.014
TCRC006	64	65	-5.00E-02	80	58600	5.8600001	8.00E-03
TCRC006	65	66	-5.00E-02	80	66600	6.6599998	8.00E-03
TCRC006	66	68	-5.00E-02	2830	34200	3.4200001	0.28299999
TCRC006	68	70	-5.00E-02	2910	34300	3.4300001	0.29100001
TCRC006	70	72	-5.00E-02	8580	33900	3.3900001	0.85799998
TCRC007	0	4	6.00E-02	1080	4700	0.47	0.108
TCRC007	4	8	6.00E-02	190	400	4.00E-02	1.90E-02
TCRC007	8	12	5.00E-02	230	400	4.00E-02	0.023
TCRC007	12	16	6.00E-02	230	400	4.00E-02	0.023
TCRC007	16	20	6.00E-02	490	600	6.00E-02	4.90E-02
TCRC007	20	24	5.00E-02	1780	900	9.00E-02	0.178
TCRC007	24	27	-5.00E-02	2810	1400	0.14	0.28099999
TCRC007	27	29	-5.00E-02	2620	2600	0.25999999	0.26199999
TCRC007	29	30	-5.00E-02	2180	27100	2.71	0.21799999
TCRC007	30	31	-5.00E-02	430	5400	0.54000002	4.30E-02
TCRC007	31	33	-5.00E-02	490	7000	0.69999999	4.90E-02
TCRC007	33	34	-5.00E-02	760	23800	2.3800001	7.60E-02
TCRC007	34	35	-5.00E-02	1140	3000	0.30000001	0.114
TCRC007	35	37	-5.00E-02	560	1000	0.1	5.60E-02
TCRC007	37	39	-5.00E-02	370	8300	0.82999998	0.037
TCRC007	39	41	-5.00E-02	170	3100	0.31	1.70E-02
TCRC007	41	44	-5.00E-02	340	39600	3.96	3.40E-02
TCRC007	44	47	-5.00E-02	180	6400	0.63999999	1.80E-02
TCRC007	47	48	-5.00E-02	90	2800	0.28	9.00E-03
TCRC007	48	49	-5.00E-02	90	24000	2.4000001	9.00E-03
TCRC007	49	50	-5.00E-02	170	55100	5.5100002	1.70E-02
TCRC007	50	51	-5.00E-02	190	28800	2.8800001	1.90E-02
TCRC007	51	52	-5.00E-02	280	71600	7.1599998	2.80E-02
TCRC007	52	53	-5.00E-02	570	299000	29.9	0.057
TCRC007	53	54	-5.00E-02	490	152000	15.2	4.90E-02
TCRC007	55	56	-5.00E-02	290	74400	7.4400001	2.90E-02
TCRC007	56	57	-5.00E-02	280	89300	8.9300003	2.80E-02
TCRC007	57	58	-5.00E-02	200	40800	4.0799999	0.02
TCRC007	58	59	-5.00E-02	350	62700	6.27	0.035
TCRC007	59	60	-5.00E-02	330	71500	7.1500001	0.033
TCRC007	60	61	-5.00E-02	270	33300	3.3299999	2.70E-02
TCRC007	61	62	-5.00E-02	710	25300	2.53	7.10E-02
TCRC007	62	63	-5.00E-02	3210	16300	1.63	0.32100001
TCRC007	63	67	-5.00E-02	1480	12200	1.22	0.148
TCRC007	67	71	5.00E-02	1640	10700	1.0700001	0.164
TCRC007	71	75	-5.00E-02	680	7800	0.77999997	6.80E-02
TCRC007	75	78	-5.00E-02	1120	6800	0.68000001	0.112
TCRC007	78	80	-5.00E-02	700	3700	0.37	0.07
TCRC008	1	5	-5.00E-02	330	1300	0.13	0.033
TCRC008	5	9	-5.00E-02	170	900	9.00E-02	1.70E-02
TCRC008	9	13	-5.00E-02	20	1100	0.11	2.00E-03
TCRC008	13	17	-5.00E-02	20	800	8.00E-02	2.00E-03
TCRC008	17	20	-5.00E-02	90	1700	0.17	9.00E-03
TCRC008	20	24	-5.00E-02	110	500	5.00E-02	0.011
TCRC008	24	28	-5.00E-02	50	800	8.00E-02	5.00E-03
TCRC008	28	32	-5.00E-02	290	1600	0.16	2.90E-02
TCRC008	32	36	-5.00E-02	130	600	6.00E-02	0.013
TCRC008	36	40	-5.00E-02	190	1000	0.1	1.90E-02
TCRC008	40	44	-5.00E-02	300	800	8.00E-02	3.00E-02

TCRC008	44	48	-5.00E-02	1130	800	8.00E-02	0.113
TCRC008	48	52	-5.00E-02	270	1000	0.1	2.70E-02
TCRC008	52	54	-5.00E-02	280	1700	0.17	2.80E-02
TCRC008	54	55	-5.00E-02	310	24000	2.4000001	3.10E-02
TCRC008	55	56	-5.00E-02	380	17100	1.71	3.80E-02
TCRC008	56	57	-5.00E-02	800	7200	0.72000003	8.00E-02
TCRC008	57	58	-5.00E-02	240	20400	2.04	0.024
TCRC008	58	59	-5.00E-02	580	40400	4.04	5.80E-02
TCRC008	59	60	-5.00E-02	220	19200	1.92	0.022
TCRC008	60	61	-5.00E-02	260	76900	7.6900001	2.60E-02
TCRC008	61	62	-5.00E-02	140	17400	1.74	0.014
TCRC008	62	64	-5.00E-02	20	4800	0.47999999	2.00E-03
TCRC008	64	67	-5.00E-02	2500	12400	1.24	0.25
TCRC009	2	6	-5.00E-02	220	1300	0.13	0.022
TCRC009	6	10	8.00E-02	1120	1500	0.15000001	0.112
TCRC009	10	14	-5.00E-02	1670	1200	0.12	0.167
TCRC009	14	18	-5.00E-02	7360	3300	0.33000001	0.736
TCRC009	18	22	-5.00E-02	16900	8900	0.88999999	1.6900001
TCRC009	22	26	-5.00E-02	8010	6300	0.63	0.801
TCRC009	26	30	-5.00E-02	3000	1800	0.18000001	0.30000001
TCRC009	30	34	-5.00E-02	3160	900	9.00E-02	0.31600001
TCRC009	34	38	-5.00E-02	11600	7300	0.73000002	1.16
TCRC009	38	42	-5.00E-02	2880	4000	0.40000001	0.28799999
TCRC009	42	44	5.00E-02	2850	10500	1.05	0.285
TCRC009	44	46	5.00E-02	11450	47400	4.7399998	1.145
TCRC009	46	48	-5.00E-02	7090	14400	1.4400001	0.70899999
TCRC009	48	50	-5.00E-02	7340	18900	1.89	0.73400003
TCRC009	50	52	-5.00E-02	2980	17600	1.76	0.29800001
TCRC009	52	53	6.00E-02	2410	23800	2.3800001	0.241
TCRC009	53	54	8.00E-02	990	47900	4.79	9.90E-02
TCRC009	54	55	6.00E-02	1730	67700	6.77	0.17299999
TCRC009	55	56	-5.00E-02	2950	79300	7.9299998	0.29499999
TCRC009	56	57	-5.00E-02	2640	132500	13.25	0.264
TCRC009	57	58	-5.00E-02	3430	58600	5.8600001	0.34299999
TCRC009	58	59	-5.00E-02	1190	20100	2.01	0.119
TCRC009	59	60	-5.00E-02	2190	51500	5.1500001	0.219
TCRC009	60	61	-5.00E-02	2080	83900	8.3900003	0.208
TCRC009	61	62	-5.00E-02	3150	188000	18.799999	0.315
TCRC010	1	5	5.00E-02	450	1800	0.18000001	4.50E-02
TCRC010	5	9	0.07	160	1200	0.12	1.60E-02
TCRC010	9	13	0.07	160	500	5.00E-02	1.60E-02
TCRC010	13	17	8.00E-02	160	600	6.00E-02	1.60E-02
TCRC010	17	21	5.00E-02	220	500	5.00E-02	0.022
TCRC010	21	25	6.00E-02	310	600	6.00E-02	3.10E-02
TCRC010	25	29	-5.00E-02	1680	1900	0.19	0.168
TCRC010	29	31	-5.00E-02	1340	1700	0.17	0.134
TCRC010	31	33	-5.00E-02	5350	5700	0.56999999	0.53500003
TCRC010	33	35	-5.00E-02	5940	14000	1.4	0.59399998
TCRC010	35	37	-5.00E-02	3160	16200	1.62	0.31600001
TCRC010	37	39	-5.00E-02	1120	18300	1.83	0.112
TCRC010	39	41	-5.00E-02	650	4000	0.40000001	6.50E-02
TCRC010	41	43	-5.00E-02	3300	13800	1.38	0.33000001
TCRC010	43	45	-5.00E-02	1230	3800	0.38	0.123
TCRC010	45	47	-5.00E-02	480	15100	1.51	0.048
TCRC010	47	49	-5.00E-02	130	8300	0.82999998	0.013
TCRC010	49	51	-5.00E-02	130	4800	0.47999999	0.013
TCRC010	51	53	-5.00E-02	250	21500	2.1500001	0.025
TCRC010	53	55	-5.00E-02	130	17300	1.73	0.013
TCRC010	55	57	-5.00E-02	280	59700	5.9699998	2.80E-02
TCRC010	57	59	-5.00E-02	960	133000	13.3	9.60E-02
TCRC010	59	61	-5.00E-02	310	87800	8.7799997	3.10E-02
TCRC010	61	63	-5.00E-02	460	42400	4.2399998	0.046
TCRC010	63	67	-5.00E-02	2030	37900	3.79	0.20299999

TCRC011	0	4	-5.00E-02	720	17400	1.74	7.20E-02
TCRC011	4	8	-5.00E-02	1700	2100	0.20999999	0.17
TCRC011	8	12	-5.00E-02	820	2000	0.2	8.20E-02
TCRC011	12	16	-5.00E-02	360	1200	0.12	3.60E-02
TCRC011	16	20	-5.00E-02	520	1800	0.18000001	5.20E-02
TCRC011	20	23	-5.00E-02	310	1800	0.18000001	3.10E-02
TCRC011	23	25	-5.00E-02	610	4500	0.44999999	6.10E-02
TCRC011	25	26	-5.00E-02	60	32000	3.2	6.00E-03
TCRC011	26	27	-5.00E-02	70	203000	20.299999	7.00E-03
TCRC011	27	28	-5.00E-02	80	55400	5.54	8.00E-03
TCRC011	28	29	-5.00E-02	60	24900	2.49	6.00E-03
TCRC011	29	30	-5.00E-02	150	61900	6.1900001	0.015
TCRC011	30	31	-5.00E-02	170	25000	2.5	1.70E-02
TCRC011	31	32	-5.00E-02	40	6800	0.68000001	4.00E-03
TCRC011	32	34	-5.00E-02	680	2500	0.25	6.80E-02
TCRC011	34	36	-5.00E-02	300	3800	0.38	3.00E-02
TCRC011	36	37	-5.00E-02	240	33000	3.3	0.024
TCRC011	37	38	-5.00E-02	1010	136500	13.65	0.101
TCRC011	38	39	-5.00E-02	90	108000	10.8	9.00E-03
TCRC011	39	40	-5.00E-02	50	97500	9.75	5.00E-03
TCRC011	40	42	-5.00E-02	40	5700	0.56999999	4.00E-03
TCRC011	42	44	-5.00E-02	20	2100	0.20999999	2.00E-03
TCRC011	44	46	-5.00E-02	280	27300	2.73	2.80E-02
TCRC011	46	47	-5.00E-02	1180	48800	4.8800001	0.118
TCRC011	47	48	-5.00E-02	300	62200	6.2199998	3.00E-02
TCRC011	48	50	-5.00E-02	320	25400	2.54	3.20E-02
TCRC011	50	51	-5.00E-02	350	25500	2.55	0.035
TCRC011	51	52	-5.00E-02	3480	96899.992	9.6899996	0.34799999
TCRC011	52	54	-5.00E-02	460	13400	1.34	0.046
TCRC011	54	57	-5.00E-02	2700	6500	0.64999998	0.27000001
TCRC012	0	4	-5.00E-02	330	3200	0.31999999	0.033
TCRC012	4	8	-5.00E-02	420	500	5.00E-02	4.20E-02
TCRC012	8	12	-5.00E-02	120	600	6.00E-02	0.012
TCRC012	12	16	-5.00E-02	150	600	6.00E-02	0.015
TCRC012	16	20	-5.00E-02	110	700	0.07	0.011
TCRC012	20	24	-5.00E-02	150	900	9.00E-02	0.015
TCRC012	24	28	-5.00E-02	290	900	9.00E-02	2.90E-02
TCRC012	28	32	-5.00E-02	220	900	9.00E-02	0.022
TCRC012	32	36	-5.00E-02	310	900	9.00E-02	3.10E-02
TCRC012	36	40	-5.00E-02	750	700	0.07	7.50E-02
TCRC012	40	42	-5.00E-02	540	1000	0.1	5.40E-02
TCRC012	42	44	-5.00E-02	370	3100	0.31	0.037
TCRC012	44	46	-5.00E-02	120	2100	0.20999999	0.012
TCRC012	46	47	-5.00E-02	500	33700	3.3699999	5.00E-02
TCRC012	47	48	-5.00E-02	1160	72600	7.2600002	0.116
TCRC012	48	49	-5.00E-02	3140	55700	5.5700002	0.31400001
TCRC012	49	50	-5.00E-02	1930	32100	3.21	0.193
TCRC012	50	51	-5.00E-02	2200	32600	3.26	0.22
TCRC012	51	52	-5.00E-02	3820	90000	9	0.382
TCRC012	52	53	-5.00E-02	19450	197000	19.700001	1.9450001
TCRC012	53	54	-5.00E-02	18350	220000	22	1.835
TCRC012	54	55	-5.00E-02	2880	76600	7.6599998	0.28799999
TCRC012	55	56	-5.00E-02	14000	55600	5.5599999	1.4
TCRC012	56	57	-5.00E-02	27500	78100	7.8099999	2.75
TCRC012	57	58	-5.00E-02	4730	139000	13.9	0.47299999
TCRC012	58	59	-5.00E-02	2200	70500	7.0500002	0.22
TCRC012	59	60	-5.00E-02	940	72700	7.27	9.40E-02
TCRC012	60	61	-5.00E-02	500	118000	11.8	5.00E-02
TCRC012	61	62	-5.00E-02	430	132000	13.2	4.30E-02
TCRC012	62	63	-5.00E-02	400	176500	17.65	4.00E-02
TCRC012	63	64	-5.00E-02	90	126500	12.65	9.00E-03
TCRC012	64	65	-5.00E-02	70	112000	11.2	7.00E-03
TCRC012	65	66	-5.00E-02	110	184500	18.450001	0.011

TCRC012	66	67	-5.00E-02	90	158000	15.8	9.00E-03
TCRC012	67	68	-5.00E-02	1620	151000	15.1	0.162
TCRC012	68	69	5.00E-02	160	79200	7.9200001	1.60E-02
TCRC012	69	70	6.00E-02	70	32500	3.25	7.00E-03
TCRC012	70	71	6.00E-02	50	9900	0.99000001	5.00E-03
TCRC012	71	72	8.00E-02	40	5800	0.57999998	4.00E-03
TCRC012	72	73	0.07	160	24500	2.45	1.60E-02
TCRC012	73	74	-5.00E-02	920	44800	4.48	0.092
TCRC012	74	75	5.00E-02	8220	117500	11.75	0.82200003
TCRC013	1	5	-5.00E-02	970	6900	0.69	9.70E-02
TCRC013	5	9	-5.00E-02	320	1100	0.11	3.20E-02
TCRC013	9	13	-5.00E-02	660	1800	0.18000001	0.066
TCRC013	13	17	-5.00E-02	1160	2300	0.23	0.116
TCRC013	17	21	-5.00E-02	2870	3400	0.34	0.287
TCRC013	21	25	5.00E-02	5240	5300	0.52999997	0.52399999
TCRC013	25	29	5.00E-02	6330	6900	0.69	0.63300002
TCRC013	29	33	-5.00E-02	2070	2000	0.2	0.207
TCRC013	33	37	-5.00E-02	2610	1800	0.18000001	0.26100001
TCRC013	37	41	-5.00E-02	4020	3000	0.30000001	0.40200001
TCRC013	41	43	5.00E-02	5230	2600	0.25999999	0.523
TCRC013	43	44	-5.00E-02	9260	100500	10.05	0.926
TCRC013	44	45	-5.00E-02	9980	37400	3.74	0.99800003
TCRC013	45	46	-5.00E-02	9520	77500	7.75	0.95200002
TCRC013	46	47	-5.00E-02	9310	46700	4.6700001	0.93099999
TCRC013	47	48	-5.00E-02	8060	46300	4.6300001	0.80599999
TCRC013	48	49	-5.00E-02	4950	49500	4.9499998	0.495
TCRC013	49	50	-5.00E-02	3530	87500	8.75	0.35299999
TCRC013	50	51	-5.00E-02	2410	194500	19.450001	0.241
TCRC013	51	52	-5.00E-02	3790	98400	9.8400002	0.37900001
TCRC013	52	53	-5.00E-02	8690	97500	9.75	0.86900002
TCRC013	53	54	-5.00E-02	6400	206000	20.6	0.63999999
TCRC013	54	55	-5.00E-02	4320	134500	13.45	0.43200001
TCRC013	55	56	-5.00E-02	3790	219000	21.9	0.37900001
TCRC013	56	57	-5.00E-02	22500	287000	28.700001	2.25
TCRC013	57	58					
TCRC013	58	59					
TCRC013	59	60					
TCRC013	60	61	-5.00E-02	2920	230000	23	0.292
TCRC014	1	3	-5.00E-02	6340	43500	4.3499999	0.634
TCRC014	3	5	-5.00E-02	860	4000	0.40000001	8.60E-02
TCRC014	5	6	-5.00E-02	820	10600	1.0599999	8.20E-02
TCRC014	6	7	-5.00E-02	360	49000	4.9000001	3.60E-02
TCRC014	7	8	-5.00E-02	190	32400	3.24	1.90E-02
TCRC014	8	9	-5.00E-02	210	50800	5.0799999	0.021
TCRC014	9	10	-5.00E-02	270	60300	6.0300002	2.70E-02
TCRC014	10	11	-5.00E-02	170	57500	5.75	1.70E-02
TCRC014	11	12	-5.00E-02	50	67900	6.79	5.00E-03
TCRC014	12	13	-5.00E-02	140	89700	8.9700003	0.014
TCRC014	13	14	-5.00E-02	110	89100	8.9099998	0.011
TCRC014	14	15	-5.00E-02	470	64500	6.4499998	4.70E-02
TCRC014	15	16	-5.00E-02	1190	37300	3.73	0.119
TCRC014	16	17	-5.00E-02	400	6900	0.69	4.00E-02
TCRC014	17	18	-5.00E-02	250	2800	0.28	0.025
TCRC014	18	19	-5.00E-02	60	12800	1.28	6.00E-03
TCRC014	19	20	-5.00E-02	110	46800	4.6799998	0.011
TCRC014	20	21	-5.00E-02	170	67300	6.73	1.70E-02
TCRC014	21	22	-5.00E-02	170	70500	7.0500002	1.70E-02
TCRC014	22	23	-5.00E-02	110	42100	4.21	0.011
TCRC014	23	25	-5.00E-02	80	5700	0.56999999	8.00E-03
TCRC014	25	26	-5.00E-02	80	69700	6.9699998	8.00E-03
TCRC014	26	27	-5.00E-02	150	33200	3.3199999	0.015
TCRC014	27	28	-5.00E-02	60	10000	1	6.00E-03
TCRC014	28	29	-5.00E-02	130	22400	2.24	0.013

TCRC014	29	30	-5.00E-02	60	8500	0.85000002	6.00E-03
TCRC014	30	31	-5.00E-02	80	10900	1.09	8.00E-03
TCRC014	31	32	-5.00E-02	30	67000	6.6999998	0.003
TCRC014	32	33	-5.00E-02	60	54900	5.4899998	6.00E-03
TCRC014	33	34	-5.00E-02	450	10500	1.05	4.50E-02
TCRC014	34	35	-5.00E-02	290	19100	1.91	2.90E-02
TCRC014	35	39	-5.00E-02	90	22700	2.27	9.00E-03
TCRC014	39	42	-5.00E-02	270	6200	0.62	2.70E-02
TCRC014	42	43	-5.00E-02	90	19400	1.9400001	9.00E-03
TCRC014	43	47	-5.00E-02	410	17600	1.76	4.10E-02
TCRC014	47	51	-5.00E-02	300	50600	5.0599999	3.00E-02
TCRC014	51	55	-5.00E-02	2290	31900	3.1900001	0.229
TCRC014	55	57	-5.00E-02	1210	61400	6.1399999	0.121
TCRC015	0	4	-5.00E-02	500	700	0.07	5.00E-02
TCRC015	4	8	6.00E-02	70	700	0.07	7.00E-03
TCRC015	8	12	-5.00E-02	40	1000	0.1	4.00E-03
TCRC015	12	16	-5.00E-02	50	700	0.07	5.00E-03
TCRC015	16	20	-5.00E-02	40	1700	0.17	4.00E-03
TCRC015	20	24	-5.00E-02	50	1000	0.1	5.00E-03
TCRC015	24	28	-5.00E-02	20	600	6.00E-02	2.00E-03
TCRC015	28	32	-5.00E-02	40	600	6.00E-02	4.00E-03
TCRC015	32	36	-5.00E-02	100	800	8.00E-02	1.00E-02
TCRC015	36	40	-5.00E-02	50	700	0.07	5.00E-03
TCRC015	40	44	-5.00E-02	150	1700	0.17	0.015
TCRC015	44	48	-5.00E-02	700	2100	0.20999999	0.07
TCRC015	48	50	-5.00E-02	430	1900	0.19	4.30E-02
TCRC016	0	4	-5.00E-02	130	400	4.00E-02	0.013
TCRC016	4	8	-5.00E-02	660	700	0.07	0.066
TCRC016	8	12	-5.00E-02	230	800	8.00E-02	0.023
TCRC016	12	16	-5.00E-02	690	800	8.00E-02	6.90E-02
TCRC016	16	20	-5.00E-02	50	800	8.00E-02	5.00E-03
TCRC016	20	24	-5.00E-02	60	1100	0.11	6.00E-03
TCRC016	24	28	-5.00E-02	30	600	6.00E-02	0.003
TCRC016	28	32	-5.00E-02	20	600	6.00E-02	2.00E-03
TCRC016	32	35	-5.00E-02	230	1000	0.1	0.023
TCRC016	35	36	-5.00E-02	10	3400	0.34	0.001
TCRC016	36	37	-5.00E-02	30	44900	4.4899998	0.003
TCRC016	37	38	-5.00E-02	30	25000	2.5	0.003
TCRC016	38	39	-5.00E-02	40	39800	3.98	4.00E-03
TCRC016	39	43	-5.00E-02	20	4600	0.46000001	2.00E-03
TCRC016	43	47	-5.00E-02	80	4400	0.44	8.00E-03
TCRC016	47	50	-5.00E-02	80	3200	0.31999999	8.00E-03
TCRC016	50	52	-5.00E-02	100	3100	0.31	1.00E-02
TCRC017	0	4	-5.00E-02	470	900	9.00E-02	4.70E-02
TCRC017	4	8	-5.00E-02	210	1100	0.11	0.021
TCRC017	8	12	-5.00E-02	150	1500	0.15000001	0.015
TCRC017	12	16	-5.00E-02	40	1300	0.13	4.00E-03
TCRC017	16	20	-5.00E-02	30	1100	0.11	0.003
TCRC017	20	24	-5.00E-02	10	900	9.00E-02	0.001
TCRC017	24	28	-5.00E-02	90	600	6.00E-02	9.00E-03
TCRC017	28	32	-5.00E-02	10	1200	0.12	0.001
TCRC017	32	36	-5.00E-02	40	800	8.00E-02	4.00E-03
TCRC017	36	40	-5.00E-02	150	600	6.00E-02	0.015
TCRC017	40	44	-5.00E-02	140	1700	0.17	0.014
TCRC017	44	48	-5.00E-02	1250	3800	0.38	0.125
TCRC017	48	50	-5.00E-02	590	7700	0.76999998	0.059
TCRC018	0	4	-5.00E-02	410	600	6.00E-02	4.10E-02
TCRC018	4	8	-5.00E-02	460	700	0.07	0.046
TCRC018	8	12	-5.00E-02	350	500	5.00E-02	0.035
TCRC018	12	16	-5.00E-02	170	600	6.00E-02	1.70E-02
TCRC018	16	20	-5.00E-02	100	500	5.00E-02	1.00E-02
TCRC018	20	24	5.00E-02	90	300	3.00E-02	9.00E-03
TCRC018	24	28	-5.00E-02	30	500	5.00E-02	0.003

TCRC018	28	32	-5.00E-02	10	600	6.00E-02	0.001
TCRC018	32	35	-5.00E-02	10	900	9.00E-02	0.001
TCRC018	35	36	-5.00E-02	10	14000	1.4	0.001
TCRC018	36	37	-5.00E-02	10	28200	2.8199999	0.001
TCRC018	37	38	-5.00E-02	20	81100	8.1099997	2.00E-03
TCRC018	38	39	-5.00E-02	20	35500	3.55	2.00E-03
TCRC018	39	43	-5.00E-02	10	7900	0.79000002	0.001
TCRC018	43	47	-5.00E-02	760	9000	0.89999998	7.60E-02
TCRC018	47	48	-5.00E-02	450	28200	2.8199999	4.50E-02
TCRC018	48	49	-5.00E-02	110	4200	0.41999999	0.011
TCRC018	49	50	-5.00E-02	550	21900	2.1900001	0.055
TCRC018	50	51	-5.00E-02	40	56700	5.6700001	4.00E-03
TCRC018	51	53	-5.00E-02	690	13700	1.37	6.90E-02
TCRC018	53	54	-5.00E-02	170	47000	4.6999998	1.70E-02
TCRC018	54	55	-5.00E-02	90	12200	1.22	9.00E-03
TCRC018	55	57	-5.00E-02	610	2800	0.28	6.10E-02
TCRC019	0	4	-5.00E-02	1520	1400	0.14	0.152
TCRC019	4	8	-5.00E-02	830	1100	0.11	8.30E-02
TCRC019	8	12	-5.00E-02	190	1500	0.15000001	1.90E-02
TCRC019	12	16	-5.00E-02	110	900	9.00E-02	0.011
TCRC019	16	20	-5.00E-02	130	700	0.07	0.013
TCRC019	20	24	6.00E-02	50	700	0.07	5.00E-03
TCRC019	24	28	-5.00E-02	40	300	3.00E-02	4.00E-03
TCRC019	28	32	-5.00E-02	60	1200	0.12	6.00E-03
TCRC019	32	36	-5.00E-02	20	400	4.00E-02	2.00E-03
TCRC019	36	37	-5.00E-02	10	12100	1.21	0.001
TCRC019	37	38	-5.00E-02	70	22800	2.28	7.00E-03
TCRC019	38	39	-5.00E-02	40	4300	0.43000001	4.00E-03
TCRC019	39	40	-5.00E-02	10	41400	4.1399999	0.001
TCRC019	40	41	-5.00E-02	60	61400	6.1399999	6.00E-03
TCRC019	41	42	-5.00E-02	-10	10700	1.0700001	-0.001
TCRC019	42	46	-5.00E-02	200	2900	0.28999999	0.02
TCRC019	46	50	-5.00E-02	190	2600	0.25999999	1.90E-02
TCRC020	0	4	-5.00E-02	1050	1500	0.15000001	0.105
TCRC020	4	8	-5.00E-02	120	800	8.00E-02	0.012
TCRC020	8	12	-5.00E-02	220	600	6.00E-02	0.022
TCRC020	12	16	0.07	30	500	5.00E-02	0.003
TCRC020	16	20	-5.00E-02	40	300	3.00E-02	4.00E-03
TCRC020	20	24	-5.00E-02	40	300	3.00E-02	4.00E-03
TCRC020	24	28	-5.00E-02	30	600	6.00E-02	0.003
TCRC020	28	32	-5.00E-02	20	500	5.00E-02	2.00E-03
TCRC020	32	36	-5.00E-02	40	600	6.00E-02	4.00E-03
TCRC020	36	40	-5.00E-02	90	800	8.00E-02	9.00E-03
TCRC020	40	44	-5.00E-02	60	400	4.00E-02	6.00E-03
TCRC020	44	48	-5.00E-02	20	700	0.07	2.00E-03
TCRC020	48	50	-5.00E-02	20	900	9.00E-02	2.00E-03
TCRC021	0	4	-5.00E-02	260	600	6.00E-02	2.60E-02
TCRC021	4	8	0.13	410	900	9.00E-02	4.10E-02
TCRC021	8	12	5.00E-02	520	600	6.00E-02	5.20E-02
TCRC021	12	16	-5.00E-02	210	400	4.00E-02	0.021
TCRC021	16	20	-5.00E-02	1640	700	0.07	0.164
TCRC021	20	24	-5.00E-02	630	500	5.00E-02	6.30E-02
TCRC021	24	28	-5.00E-02	930	600	6.00E-02	9.30E-02
TCRC021	28	32	-5.00E-02	590	600	6.00E-02	0.059
TCRC021	32	36	-5.00E-02	990	700	0.07	9.90E-02
TCRC021	36	40	-5.00E-02	150	500	5.00E-02	0.015
TCRC021	40	44	0.14	910	800	8.00E-02	9.10E-02
TCRC021	44	48	-5.00E-02	320	500	5.00E-02	3.20E-02
TCRC021	48	52	-5.00E-02	580	600	6.00E-02	5.80E-02
TCRC021	52	56	-5.00E-02	580	700	0.07	5.80E-02
TCRC021	56	60	-5.00E-02	650	900	9.00E-02	6.50E-02
TCRC021	60	61	-5.00E-02	1300	46100	4.6100001	0.13
TCRC021	61	62	-5.00E-02	1370	16300	1.63	0.13699999

TCRC021	62	63	-5.00E-02	1200	54800	5.48	0.12
TCRC021	63	64	-5.00E-02	1540	9000	0.89999998	0.154
TCRC021	64	65	-5.00E-02	1930	10600	1.0599999	0.193
TCRC021	65	66	-5.00E-02	1690	90200.008	9.0200005	0.169
TCRC021	66	67	-5.00E-02	2050	28200	2.8199999	0.205
TCRC021	67	68	-5.00E-02	1730	76200	7.6199999	0.17299999
TCRC021	68	69	-5.00E-02	950	94300	9.4300003	9.50E-02
TCRC021	69	70	-5.00E-02	1160	11100	1.11	0.116
TCRC021	70	71	-5.00E-02	1050	7000	0.69999999	0.105
TCRC021	71	72	-5.00E-02	1390	10800	1.08	0.139
TCRC022	0	4	-5.00E-02	1520	2300	0.23	0.152
TCRC022	4	6	-5.00E-02	1970	1400	0.14	0.197
TCRC022	6	7	-5.00E-02	880	33100	3.3099999	0.088
TCRC022	7	8	-5.00E-02	680	71700	7.1700001	6.80E-02
TCRC022	8	9	-5.00E-02	490	50700	5.0700002	4.90E-02
TCRC022	9	10	-5.00E-02	360	27900	2.79	3.60E-02
TCRC022	10	11	-5.00E-02	520	103000	10.3	5.20E-02
TCRC022	11	12	-5.00E-02	320	55600	5.5599999	3.20E-02
TCRC022	12	13	-5.00E-02	310	58900	5.8899999	3.10E-02
TCRC022	13	14	-5.00E-02	240	23000	2.3	0.024
TCRC022	14	15	-5.00E-02	90	9000	0.89999998	9.00E-03
TCRC022	15	16	-5.00E-02	80	9500	0.94999999	8.00E-03
TCRC022	16	17	-5.00E-02	50	11500	1.15	5.00E-03
TCRC022	17	18	-5.00E-02	40	26100	2.6099999	4.00E-03
TCRC022	18	19	-5.00E-02	80	35100	3.51	8.00E-03
TCRC022	19	20	-5.00E-02	160	11000	1.1	1.60E-02
TCRC022	20	21	-5.00E-02	70	17000	1.7	7.00E-03
TCRC022	21	22	-5.00E-02	70	14400	1.4400001	7.00E-03
TCRC022	22	23	-5.00E-02	30	19800	1.98	0.003
TCRC022	23	24	-5.00E-02	40	36800	3.6800001	4.00E-03
TCRC022	24	25	-5.00E-02	60	43400	4.3400002	6.00E-03
TCRC022	25	26	-5.00E-02	600	43500	4.3499999	6.00E-02
TCRC022	26	27	-5.00E-02	530	55700	5.5700002	5.30E-02
TCRC022	27	28	-5.00E-02	5930	15900	1.59	0.59299999
TCRC022	28	29	-5.00E-02	7270	32500	3.25	0.727
TCRC022	29	30	-5.00E-02	1010	130000	13	0.101
TCRC022	30	31	-5.00E-02	3870	97200	9.7200003	0.38699999
TCRC022	31	32	-5.00E-02	1600	96700	9.6700001	0.16
TCRC022	32	33	-5.00E-02	710	12200	1.22	7.10E-02
TCRC022	33	34	-5.00E-02	340	13800	1.38	3.40E-02
TCRC022	34	35	-5.00E-02	460	19400	1.9400001	0.046
TCRC022	35	36	-5.00E-02	1190	36500	3.6500001	0.119
TCRC022	36	37	-5.00E-02	90	33500	3.3499999	9.00E-03
TCRC022	37	38	-5.00E-02	220	53600	5.3600001	0.022
TCRC022	38	39	-5.00E-02	190	38000	3.8	1.90E-02
TCRC022	39	40	-5.00E-02	550	48300	4.8299999	0.055
TCRC022	40	44	-5.00E-02	370	3200	0.31999999	0.037
TCRC022	44	48	-5.00E-02	540	2900	0.28999999	5.40E-02
TCRC022	48	52	-5.00E-02	730	4800	0.47999999	7.30E-02
TCRC023	0	4	-5.00E-02	1970	1300	0.13	0.197
TCRC023	4	5	-5.00E-02	1260	5700	0.56999999	0.126
TCRC023	5	6	-5.00E-02	1450	60200	6.02	0.145
TCRC023	6	7	-5.00E-02	6760	29600	2.96	0.676
TCRC023	7	8	-5.00E-02	2480	18500	1.85	0.248
TCRC023	8	9	-5.00E-02	2040	17800	1.78	0.204
TCRC023	9	10	-5.00E-02	7640	23400	2.3399999	0.764
TCRC023	10	11	-5.00E-02	800	28600	2.8599999	8.00E-02
TCRC023	11	12	-5.00E-02	1370	45900	4.5900002	0.13699999
TCRC023	12	13	-5.00E-02	560	18700	1.87	5.60E-02
TCRC023	13	14	-5.00E-02	770	51600	5.1599998	0.077
TCRC023	14	15	-5.00E-02	2910	84399.992	8.4399996	0.29100001
TCRC023	15	16	-5.00E-02	460	27000	2.7	0.046
TCRC023	16	17	-5.00E-02	230	3200	0.31999999	0.023

TCRC023	17	18	-5.00E-02	3260	59900	5.9899998	0.32600001
TCRC023	18	19	-5.00E-02	160	28000	2.8	1.60E-02
TCRC023	19	20	-5.00E-02	1800	54300	5.4299998	0.18000001
TCRC023	20	21	-5.00E-02	1850	114500	11.45	0.185
TCRC023	21	22	-5.00E-02	220	99600	9.96	0.022
TCRC023	22	23	-5.00E-02	600	81300	8.1300001	6.00E-02
TCRC023	23	24	-5.00E-02	1660	94600	9.46	0.16599999
TCRC023	24	25	-5.00E-02	920	52600	5.2600002	0.092
TCRC023	25	26	-5.00E-02	5730	36500	3.6500001	0.57300001
TCRC023	26	27	-5.00E-02	90	27800	2.78	9.00E-03
TCRC023	27	28	-5.00E-02	450	5800	0.57999998	4.50E-02
TCRC023	28	29	-5.00E-02	600	11100	1.11	6.00E-02
TCRC023	29	30	-5.00E-02	230	10200	1.02	0.023
TCRC023	30	31	-5.00E-02	720	16800	1.6799999	7.20E-02
TCRC023	31	32	-5.00E-02	4210	42000	4.1999998	0.421
TCRC023	32	33	-5.00E-02	560	51000	5.0999999	5.60E-02
TCRC023	33	34	-5.00E-02	2570	18500	1.85	0.257
TCRC023	34	35	-5.00E-02	1020	29500	2.95	0.102
TCRC023	35	36	-5.00E-02	1680	14900	1.49	0.168
TCRC023	36	37	-5.00E-02	420	35200	3.52	4.20E-02
TCRC023	37	38	-5.00E-02	1520	49000	4.9000001	0.152
TCRC023	38	39	-5.00E-02	380	17600	1.76	3.80E-02
TCRC023	39	40	-5.00E-02	1230	12400	1.24	0.123
TCRC023	40	41	-5.00E-02	210	4100	0.41	0.021
TCRC023	41	42	-5.00E-02	3730	3900	0.38999999	0.373
TCRC023	42	43	-5.00E-02	170	13800	1.38	1.70E-02
TCRC023	43	44	-5.00E-02	200	23800	2.3800001	0.02
TCRC023	44	45	-5.00E-02	140	31500	3.1500001	0.014
TCRC023	45	46	-5.00E-02	250	35900	3.5899999	0.025
TCRC023	46	47	-5.00E-02	70	9500	0.94999999	7.00E-03
TCRC023	47	48	-5.00E-02	20	1900	0.19	2.00E-03
TCRC023	48	49	-5.00E-02	70	2100	0.20999999	7.00E-03
TCRC023	49	50	-5.00E-02	70	7400	0.74000001	7.00E-03
TCRC023	50	51	-5.00E-02	270	36200	3.6199999	2.70E-02
TCRC023	51	52	-5.00E-02	200	17900	1.79	0.02
TCRC023	52	54	-5.00E-02	60	2600	0.25999999	6.00E-03
TCRC023	54	56	-5.00E-02	90	4200	0.41999999	9.00E-03
TCRC023	56	60	-5.00E-02	1100	23600	2.3599999	0.11
TCRC024	0	4	6.00E-02	510	1300	0.13	5.10E-02
TCRC024	4	5	-5.00E-02	240	1100	0.11	0.024
TCRC024	5	6	-5.00E-02	1350	15500	1.55	0.13500001
TCRC024	6	7	-5.00E-02	880	41200	4.1199999	0.088
TCRC024	7	8	-5.00E-02	590	39400	3.9400001	0.059
TCRC024	8	9	-5.00E-02	170	27100	2.71	1.70E-02
TCRC024	9	10	-5.00E-02	650	38400	3.8399999	6.50E-02
TCRC024	10	11	-5.00E-02	2460	18800	1.88	0.24600001
TCRC024	11	12	-5.00E-02	1980	39000	3.9000001	0.198
TCRC024	12	13	-5.00E-02	1040	35700	3.5699999	0.104
TCRC024	13	14	-5.00E-02	1670	32600	3.26	0.167
TCRC024	14	15	-5.00E-02	7420	64800	6.48	0.74199998
TCRC024	15	16	-5.00E-02	1080	43100	4.3099999	0.108
TCRC024	16	17	-5.00E-02	40	30000	3	4.00E-03
TCRC024	17	18	-5.00E-02	100	25000	2.5	1.00E-02
TCRC024	18	19	-5.00E-02	260	94600	9.46	2.60E-02
TCRC024	19	20	-5.00E-02	90	34700	3.47	9.00E-03
TCRC024	20	21	-5.00E-02	270	48900	4.8899999	2.70E-02
TCRC024	21	22	-5.00E-02	200	35400	3.54	0.02
TCRC024	22	23	-5.00E-02	70	28000	2.8	7.00E-03
TCRC024	23	24	-5.00E-02	290	45100	4.5100002	2.90E-02
TCRC024	24	25	-5.00E-02	260	21600	2.1600001	2.60E-02
TCRC024	25	26	-5.00E-02	120	35400	3.54	0.012
TCRC024	26	27	-5.00E-02	140	35700	3.5699999	0.014
TCRC024	27	28	-5.00E-02	4080	39000	3.9000001	0.40799999

TCRC024	28	29	-5.00E-02	1260	58200	5.8200002	0.126
TCRC024	29	30	-5.00E-02	860	71700	7.1700001	8.60E-02
TCRC024	30	31	-5.00E-02	530	59600	5.96	5.30E-02
TCRC024	31	32	-5.00E-02	200	96800	9.6800003	0.02
TCRC024	32	33	-5.00E-02	230	60500	6.0500002	0.023
TCRC024	33	34	-5.00E-02	130	39100	3.9100001	0.013
TCRC024	34	35	-5.00E-02	140	61300	6.1300001	0.014
TCRC024	35	36	-5.00E-02	70	28500	2.8499999	7.00E-03
TCRC024	36	37	-5.00E-02	450	64100	6.4099998	4.50E-02
TCRC024	37	38	-5.00E-02	1480	78300	7.8299999	0.148
TCRC024	38	39	-5.00E-02	320	38900	3.8900001	3.20E-02
TCRC024	39	40	-5.00E-02	360	15600	1.5599999	3.60E-02
TCRC024	40	41	-5.00E-02	1050	2100	0.20999999	0.105
TCRC024	41	42	-5.00E-02	640	14700	1.47	6.40E-02
TCRC024	42	43	-5.00E-02	510	30600	3.0599999	5.10E-02
TCRC024	43	44	-5.00E-02	5780	53700	5.3699999	0.57800001
TCRC024	44	45	-5.00E-02	250	2300	0.23	0.025
TCRC024	45	46	-5.00E-02	110	14700	1.47	0.011
TCRC024	46	47	-5.00E-02	50	7700	0.76999998	5.00E-03
TCRC024	47	48	-5.00E-02	150	20500	2.05	0.015
TCRC024	48	49	-5.00E-02	100	53300	5.3299999	1.00E-02
TCRC024	49	50	-5.00E-02	60	19800	1.98	6.00E-03
TCRC024	50	51	-5.00E-02	110	25000	2.5	0.011
TCRC024	51	52	-5.00E-02	170	19500	1.95	1.70E-02
TCRC024	52	53	-5.00E-02	290	49900	4.9899998	2.90E-02
TCRC024	53	54	-5.00E-02	410	69700	6.9699998	4.10E-02
TCRC024	54	55	-5.00E-02	1690	39200	3.9200001	0.169
TCRC024	55	56	-5.00E-02	1360	79900	7.9899998	0.13600001
TCRC024	56	57	-5.00E-02	290	132500	13.25	2.90E-02
TCRC024	57	58	-5.00E-02	440	89100	8.9099998	0.044
TCRC024	58	59	-5.00E-02	540	100500	10.05	5.40E-02
TCRC024	59	60	2.99	170	98700	9.8699999	1.70E-02
TCRC024	60	61	-5.00E-02	270	46900	4.6900001	2.70E-02
TCRC024	61	62	-5.00E-02	940	122500	12.25	9.40E-02
TCRC024	62	63	-5.00E-02	730	156000	15.6	7.30E-02
TCRC024	63	64	-5.00E-02	1190	155000	15.5	0.119
TCRC024	64	65	-5.00E-02	130	21000	2.0999999	0.013
TCRC024	65	66	-5.00E-02	110	20200	2.02	0.011
TCRC024	66	67	-5.00E-02	90	25300	2.53	9.00E-03
TCRC024	67	68	-5.00E-02	1400	57000	5.6999998	0.14
TCRC024	68	69	-5.00E-02	910	143500	14.35	9.10E-02
TCRC024	69	70	-5.00E-02	1620	227000	22.700001	0.162
TCRC024	70	71	-5.00E-02	3370	246000	24.6	0.33700001
TCRC024	71	72	-5.00E-02	1100	189500	18.950001	0.11
TCRC024	72	73	-5.00E-02	2760	181000	18.1	0.27599999
TCRC024	73	74	-5.00E-02	4460	220000	22	0.44600001
TCRC024	74	75	-5.00E-02	1680	124000	12.4	0.168
TCRC024	75	76	-5.00E-02	2290	151000	15.1	0.229
TCRC024	76	77	-5.00E-02	2820	194500	19.450001	0.28200001
TCRC024	77	78	-5.00E-02	3630	85900	8.5900002	0.36300001
TCRC024	78	79	-5.00E-02	21900	141500	14.15	2.1900001
TCRC024	79	80	-5.00E-02	6560	68000	6.8000002	0.65600002
TCRC024	80	81	-5.00E-02	2210	51100	5.1100001	0.221
TCRC024	81	82	-5.00E-02	1420	36200	3.6199999	0.142
TCRC025	0	4	6.00E-02	560	4200	0.41999999	5.60E-02
TCRC025	4	8	5.00E-02	700	2000	0.2	0.07
TCRC025	8	12	-5.00E-02	740	1200	0.12	7.40E-02
TCRC025	12	16	5.00E-02	1070	2000	0.2	0.107
TCRC025	16	20	-5.00E-02	1750	3200	0.31999999	0.175
TCRC025	20	22	-5.00E-02	8910	6700	0.67000002	0.89099997
TCRC025	22	24	-5.00E-02	2660	73900	7.3899999	0.266
TCRC025	24	26	-5.00E-02	1040	26700	2.6700001	0.104
TCRC025	26	28	-5.00E-02	820	48200	4.8200002	8.20E-02

TCRC025	28	30	-5.00E-02	920	30500	3.05	0.092
TCRC025	30	32	-5.00E-02	410	14700	1.47	4.10E-02
TCRC025	32	33	-5.00E-02	710	129000	12.9	7.10E-02
TCRC025	33	34	0.07	590	102000	10.2	0.059
TCRC025	34	35	-5.00E-02	1000	112000	11.2	0.1
TCRC025	35	36	-5.00E-02	580	24600	2.46	5.80E-02
TCRC025	36	37	-5.00E-02	1340	31600	3.1600001	0.134
TCRC025	37	38	-5.00E-02	260	4800	0.47999999	2.60E-02
TCRC025	38	40	-5.00E-02	180	4500	0.44999999	1.80E-02
TCRC025	40	42	-5.00E-02	110	9600	0.95999998	0.011
TCRC025	42	44	-5.00E-02	120	14300	1.4299999	0.012
TCRC025	44	46	-5.00E-02	60	9100	0.91000003	6.00E-03
TCRC025	46	48	-5.00E-02	20	3800	0.38	2.00E-03
TCRC025	48	50	-5.00E-02	40	4700	0.47	4.00E-03
TCRC025	50	51	-5.00E-02	80	29100	2.9100001	8.00E-03
TCRC025	51	52	-5.00E-02	530	43500	4.3499999	5.30E-02
TCRC025	52	53	-5.00E-02	570	92700.008	9.2700005	0.057
TCRC025	53	54	-5.00E-02	170	41400	4.1399999	1.70E-02
TCRC025	54	55	-5.00E-02	90	24700	2.47	9.00E-03
TCRC025	55	56	-5.00E-02	200	66600	6.6599998	0.02
TCRC025	56	57	-5.00E-02	220	73000	7.3000002	0.022
TCRC025	57	58	-5.00E-02	120	50300	5.0300002	0.012
TCRC025	58	59	-5.00E-02	150	14000	1.4	0.015
TCRC025	59	60	-5.00E-02	290	82200	8.2200003	2.90E-02
TCRC025	60	61	6.00E-02	160	70800	7.0799999	1.60E-02
TCRC025	61	62	-5.00E-02	80	15700	1.5700001	8.00E-03
TCRC025	62	63	-5.00E-02	360	99799.992	9.9799995	3.60E-02
TCRC025	63	64	-5.00E-02	520	108000	10.8	5.20E-02
TCRC025	64	65	-5.00E-02	930	226000	22.6	9.30E-02
TCRC025	65	66	-5.00E-02	1460	163000	16.299999	0.146
TCRC026	0	4	-5.00E-02	11950	8300	0.82999998	1.1950001
TCRC026	4	7	-5.00E-02	680	4700	0.47	6.80E-02
TCRC026	7	9	-5.00E-02	650	14600	1.46	6.50E-02
TCRC026	9	10	-5.00E-02	300	3000	0.30000001	3.00E-02
TCRC026	10	11	-5.00E-02	230	35400	3.54	0.023
TCRC026	11	15	-5.00E-02	220	3000	0.30000001	0.022
TCRC026	15	18	9.00E-02	180	9000	0.89999998	1.80E-02
TCRC026	18	20	-5.00E-02	300	34700	3.47	3.00E-02
TCRC026	20	22	-5.00E-02	120	9800	0.98000002	0.012
TCRC026	22	23	-5.00E-02	130	12600	1.26	0.013
TCRC026	23	24	-5.00E-02	210	54700	5.4699998	0.021
TCRC026	24	25	-5.00E-02	200	34400	3.4400001	0.02
TCRC026	25	26	-5.00E-02	130	35800	3.5799999	0.013
TCRC026	26	27	-5.00E-02	130	64800	6.48	0.013
TCRC026	27	28	-5.00E-02	140	32600	3.26	0.014
TCRC026	28	29	-5.00E-02	90	16100	1.61	9.00E-03
TCRC026	29	30	-5.00E-02	150	47900	4.79	0.015
TCRC026	30	31	-5.00E-02	230	28400	2.8399999	0.023
TCRC026	31	32	-5.00E-02	130	17500	1.75	0.013
TCRC026	32	33	-5.00E-02	120	24200	2.4200001	0.012
TCRC026	33	34	-5.00E-02	110	58900	5.8899999	0.011
TCRC026	34	35	-5.00E-02	100	36800	3.6800001	1.00E-02
TCRC026	35	36	-5.00E-02	50	32600	3.26	5.00E-03
TCRC026	36	37	-5.00E-02	200	115000	11.5	0.02
TCRC026	37	38	-5.00E-02	230	83600	8.3599997	0.023
TCRC026	38	39	8.00E-02	210	47400	4.7399998	0.021
TCRC026	39	40	-5.00E-02	160	27600	2.76	1.60E-02
TCRC026	40	42	-5.00E-02	290	29300	2.9300001	2.90E-02
TCRC026	42	43	-5.00E-02	380	92700.008	9.2700005	3.80E-02
TCRC026	43	45	-5.00E-02	280	46900	4.6900001	2.80E-02
TCRC026	45	46	-5.00E-02	130	21900	2.1900001	0.013
TCRC026	46	47	-5.00E-02	330	10200	1.02	0.033
TCRC026	47	51	-5.00E-02	250	2000	0.2	0.025

TCRC026	51	55	-5.00E-02	1560	22500	2.25	0.156
TCRC026	55	57	-5.00E-02	4660	36700	3.6700001	0.46599999
TCRC027	0	4	8.00E-02	510	500	5.00E-02	5.10E-02
TCRC027	4	8	0.13	1980	1200	0.12	0.198
TCRC027	8	12	6.00E-02	1220	900	9.00E-02	0.122
TCRC027	12	16	6.00E-02	600	800	8.00E-02	6.00E-02
TCRC027	16	20	6.00E-02	280	1100	0.11	2.80E-02
TCRC027	20	24	5.00E-02	920	1400	0.14	0.092
TCRC027	24	28	8.00E-02	610	1400	0.14	6.10E-02
TCRC027	28	32	-5.00E-02	410	1800	0.18000001	4.10E-02
TCRC027	32	36	-5.00E-02	860	3300	0.33000001	8.60E-02
TCRC027	36	40	6.00E-02	4730	12500	1.25	0.47299999
TCRC027	40	42	-5.00E-02	1090	2800	0.28	0.109
TCRC027	42	45	-5.00E-02	1250	8900	0.88999999	0.125
TCRC027	45	47	-5.00E-02	2700	25300	2.53	0.27000001
TCRC027	47	48	-5.00E-02	1060	38600	3.8599999	0.106
TCRC027	48	49	-5.00E-02	2520	26000	2.5999999	0.252
TCRC027	49	50	-5.00E-02	620	18400	1.84	6.20E-02
TCRC027	50	51	8.00E-02	2400	35900	3.5899999	0.23999999
TCRC027	51	52	5.00E-02	7000	32800	3.28	0.69999999
TCRC027	52	53	0.17	1830	35900	3.5899999	0.183
TCRC027	53	54	-5.00E-02	290	18900	1.89	2.90E-02
TCRC027	54	55	-5.00E-02	510	27000	2.7	5.10E-02
TCRC027	55	56	-5.00E-02	470	37600	3.76	4.70E-02
TCRC027	56	57	-5.00E-02	510	23200	2.3199999	5.10E-02
TCRC027	57	58	0.14	690	33900	3.3900001	6.90E-02
TCRC027	58	59	0.20999999	840	19000	1.9	8.40E-02
TCRC027	59	60	-5.00E-02	670	58700	5.8699999	6.70E-02
TCRC027	60	62	6.00E-02	450	56500	5.6500001	4.50E-02
TCRC027	62	64	-5.00E-02	220	26100	2.6099999	0.022
TCRC027	64	66	-5.00E-02	300	32100	3.21	3.00E-02
TCRC027	66	68	-5.00E-02	150	12300	1.23	0.015
TCRC027	68	70	-5.00E-02	240	4000	0.40000001	0.024
TCRC027	70	74	-5.00E-02	280	36700	3.6700001	2.80E-02
TCRC027	74	75	-5.00E-02	690	223000	22.299999	6.90E-02
TCRC027	75	77	-5.00E-02	570	71600	7.1599998	0.057
TCRC027	77	79	-5.00E-02	390	59200	5.9200001	3.90E-02
TCRC027	79	81	-5.00E-02	530	87600	8.7600002	5.30E-02
TCRC027	81	82	-5.00E-02	690	51000	5.0999999	6.90E-02
TCRC027	82	83	-5.00E-02	690	75800	7.5799999	6.90E-02
TCRC027	83	84	-5.00E-02	1120	144000	14.4	0.112
TCRC027	84	85	-5.00E-02	1320	143000	14.3	0.132
TCRC027	85	86	-5.00E-02	430	62800	6.2800002	4.30E-02
TCRC027	86	87	-5.00E-02	2200	255000	25.5	0.22
TCRC027	87	88	6.00E-02	4520	63800	6.3800001	0.45199999
TCRC027	88	89	6.00E-02	4260	77000	7.6999998	0.426
TCRC027	89	90	-5.00E-02	4860	17400	1.74	0.486
TCRC027	90	94	-5.00E-02	800	12900	1.29	8.00E-02
TCRC027	94	98	-5.00E-02	400	7000	0.69999999	4.00E-02
TCRC027	98	99	-5.00E-02	3870	129500	12.95	0.38699999
TCRC027	99	100	-5.00E-02	590	13500	1.35	0.059
TCRC028	0	4	-5.00E-02	1010	6700	0.67000002	0.101
TCRC028	4	8	-5.00E-02	120	500	5.00E-02	0.012
TCRC028	8	12	-5.00E-02	200	400	4.00E-02	0.02
TCRC028	12	16	6.00E-02	230	100	1.00E-02	0.023
TCRC028	16	20	8.00E-02	310	200	0.02	3.10E-02
TCRC028	20	24	8.00E-02	290	100	1.00E-02	2.90E-02
TCRC028	24	28	0.07	290	200	0.02	2.90E-02
TCRC028	28	32	6.00E-02	230	100	1.00E-02	0.023
TCRC028	32	36	0.07	240	300	3.00E-02	0.024
TCRC028	36	40	-5.00E-02	140	100	1.00E-02	0.014
TCRC028	40	44	0.07	230	100	1.00E-02	0.023
TCRC028	44	48	0.1	200	100	1.00E-02	0.02

TCRC028	48	52	6.00E-02	150	100	1.00E-02	0.015
TCRC028	52	56	8.00E-02	170	200	0.02	1.70E-02
TCRC028	56	60	0.13	100	300	3.00E-02	1.00E-02
TCRC028	60	64	0.31	100	400	4.00E-02	1.00E-02
TCRC028	64	68	0.40000001	100	300	3.00E-02	1.00E-02
TCRC028	68	72	0.30000001	110	200	0.02	0.011
TCRC028	72	76	1.15	90	800	8.00E-02	9.00E-03
TCRC028	76	80	3.6400001	50	800	8.00E-02	5.00E-03
TCRC028	80	84	4.04	50	1100	0.11	5.00E-03
TCRC028	84	88	2.0799999	70	600	6.00E-02	7.00E-03
TCRC028	88	92	1.47	90	300	3.00E-02	9.00E-03
TCRC028	92	96	1.58	60	700	0.07	6.00E-03
TCRC028	96	100	1.58	80	800	8.00E-02	8.00E-03
TCRC028	100	102	0.62	80	1700	0.17	8.00E-03
TCRC029	0	4	0.44999999	300	1000	0.1	3.00E-02
TCRC029	4	8	0.17	170	400	4.00E-02	1.70E-02
TCRC029	8	12	0.16	140	300	3.00E-02	0.014
TCRC029	12	16	5.00E-02	110	200	0.02	0.011
TCRC029	16	20	0.07	190	300	3.00E-02	1.90E-02
TCRC029	20	24	9.00E-02	140	400	4.00E-02	0.014
TCRC029	24	28	9.00E-02	120	600	6.00E-02	0.012
TCRC029	28	32	0.1	130	800	8.00E-02	0.013
TCRC029	32	36	0.07	130	900	9.00E-02	0.013
TCRC029	36	40	9.00E-02	160	900	9.00E-02	1.60E-02
TCRC029	40	44	9.00E-02	350	1000	0.1	0.035
TCRC029	44	48	0.07	590	1300	0.13	0.059
TCRC029	48	52	-5.00E-02	3020	3100	0.31	0.30199999
TCRC029	52	53	-5.00E-02	14400	29000	2.9000001	1.4400001
TCRC029	53	54	-5.00E-02	11450	40900	4.0900002	1.145
TCRC029	54	55	-5.00E-02	12650	51300	5.1300001	1.265
TCRC029	55	56	-5.00E-02	2320	20800	2.0799999	0.23199999
TCRC029	56	57	-5.00E-02	210	42000	4.1999998	0.021
TCRC029	57	58	-5.00E-02	500	68300	6.8299999	5.00E-02
TCRC029	58	59	-5.00E-02	330	14300	1.4299999	0.033
TCRC029	59	60	-5.00E-02	1960	28800	2.8800001	0.19599999
TCRC029	60	61	-5.00E-02	450	47300	4.73	4.50E-02
TCRC029	61	62	-5.00E-02	440	89000	8.8999996	0.044
TCRC029	62	63	-5.00E-02	610	21900	2.1900001	6.10E-02
TCRC029	63	64	-5.00E-02	460	17400	1.74	0.046
TCRC029	64	65	-5.00E-02	530	58400	5.8400002	5.30E-02
TCRC029	65	66	-5.00E-02	450	65000	6.5	4.50E-02
TCRC029	66	67	-5.00E-02	590	127000	12.7	0.059
TCRC029	67	68	-5.00E-02	470	81899.992	8.1899996	4.70E-02
TCRC029	68	69	-5.00E-02	150	30600	3.0599999	0.015
TCRC029	69	70	-5.00E-02	330	85500	8.5500002	0.033
TCRC029	70	71	-5.00E-02	400	40300	4.0300002	4.00E-02
TCRC029	71	72	-5.00E-02	590	195000	19.5	0.059
TCRC029	72	73	-5.00E-02	720	42200	4.2199998	7.20E-02
TCRC029	73	74	-5.00E-02	270	130000	13	2.70E-02
TCRC029	74	75	-5.00E-02	210	82400	8.2399998	0.021
TCRC029	75	77	-5.00E-02	300	50100	5.0100002	3.00E-02
TCRC029	77	78	-5.00E-02	580	17400	1.74	5.80E-02
TCRC029	78	82	-5.00E-02	210	4900	0.49000001	0.021
TCRC029	82	84	-5.00E-02	210	10700	1.0700001	0.021
TCRC029	84	85	-5.00E-02	250	91000	9.1000004	0.025
TCRC029	85	89	-5.00E-02	460	36000	3.5999999	0.046
TCRC029	89	92	-5.00E-02	1030	35200	3.52	0.103
TCRC029	92	94	-5.00E-02	470	57400	5.7399998	4.70E-02
TCRC029	94	96	-5.00E-02	240	22200	2.22	0.024
TCRC029	96	98	-5.00E-02	230	53800	5.3800001	0.023
TCRC029	98	100	-5.00E-02	120	13600	1.36	0.012
TCRC029	100	101	-5.00E-02	90	4900	0.49000001	9.00E-03
TCRC029	101	102	-5.00E-02	710	79700	7.9699998	7.10E-02

TCRC029	102	103	-5.00E-02	320	116500	11.65	3.20E-02
TCRC029	103	104	-5.00E-02	220	121500	12.15	0.022
TCRC029	104	105	-5.00E-02	180	111000	11.1	1.80E-02
TCRC029	105	106	-5.00E-02	250	104000	10.4	0.025
TCRC029	106	107	-5.00E-02	750	68800	6.8800001	7.50E-02
TCRC029	107	108	-5.00E-02	820	231000	23.1	8.20E-02
TCRC029	108	109	-5.00E-02	1070	197000	19.700001	0.107
TCRC029	109	110	5.00E-02	1400	213000	21.299999	0.14
TCRC030	0	1	-5.00E-02	440	53800	5.3800001	0.044
TCRC030	1	5	-5.00E-02	350	14700	1.47	0.035
TCRC030	5	9	-5.00E-02	730	4600	0.46000001	7.30E-02
TCRC030	9	13	-5.00E-02	1660	4800	0.47999999	0.16599999
TCRC030	13	14	-5.00E-02	2570	36900	3.6900001	0.257
TCRC030	14	15	-5.00E-02	3090	63700	6.3699999	0.30899999
TCRC030	15	16	-5.00E-02	3380	124500	12.45	0.338
TCRC030	16	17	-5.00E-02	8820	172000	17.200001	0.88200003
TCRC030	17	18	-5.00E-02	1700	223000	22.299999	0.17
TCRC030	18	19	-5.00E-02	2860	73100	7.3099999	0.28600001
TCRC030	19	20	-5.00E-02	980	72400	7.2399998	9.80E-02
TCRC030	20	21	-5.00E-02	1010	81400	8.1400003	0.101
TCRC030	21	22	-5.00E-02	840	78300	7.8299999	8.40E-02
TCRC030	22	23	-5.00E-02	800	49700	4.9699998	8.00E-02
TCRC030	23	24	-5.00E-02	360	38100	3.8099999	3.60E-02
TCRC030	24	25	-5.00E-02	410	13400	1.34	4.10E-02
TCRC030	25	26	-5.00E-02	490	111500	11.15	4.90E-02
TCRC030	26	27	-5.00E-02	780	44500	4.4499998	7.80E-02
TCRC030	27	28	-5.00E-02	310	119000	11.9	3.10E-02
TCRC030	28	29	-5.00E-02	1470	96700	9.6700001	0.147
TCRC030	29	30	-5.00E-02	550	67100	6.71	0.055
TCRC030	30	31	-5.00E-02	250	50400	5.04	0.025
TCRC030	31	32	-5.00E-02	300	42300	4.23	3.00E-02
TCRC030	32	33	-5.00E-02	300	16400	1.64	3.00E-02
TCRC030	33	34	-5.00E-02	560	85200.008	8.5200005	5.60E-02
TCRC030	34	35	-5.00E-02	790	131000	13.1	7.90E-02
TCRC030	35	36	-5.00E-02	530	45900	4.5900002	5.30E-02
TCRC030	36	37	-5.00E-02	560	74500	7.4499998	5.60E-02
TCRC030	37	38	-5.00E-02	380	96300	9.6300001	3.80E-02
TCRC030	38	39	-5.00E-02	530	68700	6.8699999	5.30E-02
TCRC030	39	40	-5.00E-02	880	128000	12.8	0.088
TCRC030	40	41	-5.00E-02	580	89300	8.9300003	5.80E-02
TCRC030	41	42	-5.00E-02	70	57200	5.7199998	7.00E-03
TCRC030	42	43	-5.00E-02	420	152000	15.2	4.20E-02
TCRC030	43	44	-5.00E-02	780	145500	14.55	7.80E-02
TCRC030	44	45	-5.00E-02	360	57800	5.7800002	3.60E-02
TCRC030	45	46	-5.00E-02	150	54500	5.4499998	0.015
TCRC030	46	47	-5.00E-02	240	34200	3.4200001	0.024
TCRC030	47	48	-5.00E-02	320	20400	2.04	3.20E-02
TCRC030	48	52	-5.00E-02	160	4600	0.46000001	1.60E-02
TCRC030	52	56	-5.00E-02	220	4100	0.41	0.022
TCRC030	56	60	-5.00E-02	660	2300	0.23	0.066
TCRC030	60	64	-5.00E-02	430	2100	0.20999999	4.30E-02
TCRC030	64	65	-5.00E-02	360	10200	1.02	3.60E-02
TCRC030	65	66	-5.00E-02	750	12200	1.22	7.50E-02
TCRC030	66	67	-5.00E-02	860	42100	4.21	8.60E-02
TCRC030	67	68	-5.00E-02	280	114500	11.45	2.80E-02
TCRC030	68	69	-5.00E-02	150	85900	8.5900002	0.015
TCRC030	69	70	-5.00E-02	170	107000	10.7	1.70E-02
TCRC030	70	71	-5.00E-02	150	28700	2.8699999	0.015
TCRC030	71	72	-5.00E-02	110	48000	4.8000002	0.011
TCRC030	72	73	-5.00E-02	190	20700	2.0699999	1.90E-02
TCRC030	73	74	-5.00E-02	200	82500	8.25	0.02
TCRC030	74	75	-5.00E-02	400	51300	5.1300001	4.00E-02
TCRC030	75	76	-5.00E-02	390	40200	4.02	3.90E-02

TCRC030	76	77	-5.00E-02	880	56900	5.6900001	0.088
TCRC030	77	78	-5.00E-02	810	34200	3.4200001	0.081
TCRC030	78	79	-5.00E-02	870	49800	4.98	8.70E-02
TCRC030	79	80	5.00E-02	690	92000	9.1999998	6.90E-02
TCRC030	80	81	5.00E-02	1240	84500	8.4499998	0.124
TCRC030	81	82	-5.00E-02	1420	84300	8.4300003	0.142
TCRC031	0	3	-5.00E-02	610	7200	0.72000003	6.10E-02
TCRC031	3	5	-5.00E-02	490	2800	0.28	4.90E-02
TCRC031	5	6	-5.00E-02	1070	50800	5.0799999	0.107
TCRC031	6	7	-5.00E-02	740	79400	7.9400001	7.40E-02
TCRC031	7	8	-5.00E-02	1370	64300	6.4299998	0.13699999
TCRC031	8	9	-5.00E-02	550	93100.008	9.3100004	0.055
TCRC031	9	10	-5.00E-02	900	115000	11.5	9.00E-02
TCRC031	10	11	-5.00E-02	1450	42700	4.27	0.145
TCRC031	11	12	-5.00E-02	4200	21500	2.1500001	0.41999999
TCRC031	12	13	-5.00E-02	2140	42500	4.25	0.214
TCRC031	13	14	-5.00E-02	840	58900	5.8899999	8.40E-02
TCRC031	14	15	-5.00E-02	790	66100	6.6100001	7.90E-02
TCRC031	15	16	-5.00E-02	430	45500	4.5500002	4.30E-02
TCRC031	16	17	-5.00E-02	1560	45300	4.5300002	0.156
TCRC031	17	18	-5.00E-02	2410	45300	4.5300002	0.241
TCRC031	18	19	-5.00E-02	3480	58400	5.8400002	0.34799999
TCRC031	19	20	-5.00E-02	2090	64200	6.4200001	0.20900001
TCRC031	20	21	-5.00E-02	9130	38800	3.8800001	0.91299999
TCRC031	21	22	-5.00E-02	9100	49300	4.9299998	0.91000003
TCRC031	22	23	-5.00E-02	2720	67700	6.77	0.27200001
TCRC031	23	24	-5.00E-02	2040	83800	8.3800001	0.204
TCRC031	24	25	-5.00E-02	410	81899.992	8.1899996	4.10E-02
TCRC031	25	26	-5.00E-02	1270	121000	12.1	0.127
TCRC031	26	27	-5.00E-02	490	91899.992	9.1899996	4.90E-02
TCRC031	27	28	-5.00E-02	1030	98600	9.8599997	0.103
TCRC031	28	29	-5.00E-02	450	60300	6.0300002	4.50E-02
TCRC031	29	30	-5.00E-02	490	41900	4.1900001	4.90E-02
TCRC031	30	31	-5.00E-02	230	39500	3.95	0.023
TCRC031	31	32	-5.00E-02	550	59300	5.9299998	0.055
TCRC031	32	33	-5.00E-02	380	14300	1.4299999	3.80E-02
TCRC031	33	34	-5.00E-02	190	14000	1.4	1.90E-02
TCRC031	34	35	-5.00E-02	1180	29700	2.97	0.118
TCRC031	35	36	-5.00E-02	1860	22100	2.21	0.186
TCRC031	36	37	-5.00E-02	390	7300	0.73000002	3.90E-02
TCRC031	37	38	-5.00E-02	4060	29300	2.9300001	0.40599999
TCRC031	38	39	-5.00E-02	180	4100	0.41	1.80E-02
TCRC031	39	43	-5.00E-02	140	35800	3.5799999	0.014
TCRC031	43	47	-5.00E-02	90	2500	0.25	9.00E-03
TCRC031	47	49	-5.00E-02	80	1900	0.19	8.00E-03
TCRC031	49	50	-5.00E-02	150	15600	1.5599999	0.015
TCRC031	50	51	-5.00E-02	4420	121000	12.1	0.442
TCRC031	51	52	-5.00E-02	1000	75400	7.54	0.1
TCRC031	52	53	-5.00E-02	1030	54800	5.48	0.103
TCRC031	53	54	-5.00E-02	490	30100	3.01	4.90E-02
TCRC031	54	55	-5.00E-02	580	52200	5.2199998	5.80E-02
TCRC031	55	56	-5.00E-02	860	38400	3.8399999	8.60E-02
TCRC031	56	57	-5.00E-02	1080	58300	5.8299999	0.108
TCRC031	57	58	-5.00E-02	2060	76700	7.6700001	0.206
TCRC031	58	59	-5.00E-02	910	109500	10.95	9.10E-02
TCRC031	59	63	-5.00E-02	170	57000	5.6999998	1.70E-02
TCRC031	63	65	-5.00E-02	60	3300	0.33000001	6.00E-03
TCRC031	65	66	-5.00E-02	260	91899.992	9.1899996	2.60E-02
TCRC031	66	67	-5.00E-02	180	14300	1.4299999	1.80E-02
TCRC031	67	71	-5.00E-02	1540	37600	3.76	0.154
TCRC031	71	75	-5.00E-02	2700	78900	7.8899999	0.27000001
TCRC031	75	79	-5.00E-02	2420	65400	6.54	0.242
TCRC031	79	83	-5.00E-02	2840	55200	5.52	0.28400001

TCRC031	83	85	-5.00E-02	8300	114500	11.45	0.82999998
TCRC032	0	4	-5.00E-02	1250	11600	1.16	0.125
TCRC032	4	8	-5.00E-02	400	1100	0.11	4.00E-02
TCRC032	8	12	-5.00E-02	350	1100	0.11	0.035
TCRC032	12	16	-5.00E-02	140	700	0.07	0.014
TCRC032	16	20	-5.00E-02	60	1200	0.12	6.00E-03
TCRC032	20	24	-5.00E-02	60	900	9.00E-02	6.00E-03
TCRC032	24	28	-5.00E-02	30	1400	0.14	0.003
TCRC032	28	32	-5.00E-02	40	2500	0.25	4.00E-03
TCRC032	32	35	-5.00E-02	10	1700	0.17	0.001
TCRC032	35	37	-5.00E-02	30	11300	1.13	0.003
TCRC032	37	41	-5.00E-02	140	7300	0.73000002	0.014
TCRC032	41	45	-5.00E-02	10	900	9.00E-02	0.001
TCRC032	45	49	0.12	20	1300	0.13	2.00E-03
TCRC032	49	53	-5.00E-02	100	600	6.00E-02	1.00E-02
TCRC032	53	57	-5.00E-02	440	1400	0.14	0.044
TCRC033	0	4	-5.00E-02	800	600	6.00E-02	8.00E-02
TCRC033	4	8	-5.00E-02	150	800	8.00E-02	0.015
TCRC033	8	12	-5.00E-02	160	1500	0.15000001	1.60E-02
TCRC033	12	16	-5.00E-02	70	500	5.00E-02	7.00E-03
TCRC033	16	20	5.00E-02	70	900	9.00E-02	7.00E-03
TCRC033	20	24	-5.00E-02	90	900	9.00E-02	9.00E-03
TCRC033	24	28	-5.00E-02	10	500	5.00E-02	0.001
TCRC033	28	32	-5.00E-02	130	400	4.00E-02	0.013
TCRC033	32	36	-5.00E-02	380	800	8.00E-02	3.80E-02
TCRC033	36	40	-5.00E-02	70	800	8.00E-02	7.00E-03
TCRC033	40	44	-5.00E-02	220	600	6.00E-02	0.022
TCRC033	44	46	-5.00E-02	1550	1000	0.1	0.155
TCRC033	46	47	-5.00E-02	3930	7400	0.74000001	0.39300001
TCRC033	47	48	-5.00E-02	1450	71200	7.1199999	0.145
TCRC033	48	49	-5.00E-02	3090	20900	2.0899999	0.30899999
TCRC033	49	50	-5.00E-02	560	9900	0.99000001	5.60E-02
TCRC033	50	51	-5.00E-02	1260	24400	2.4400001	0.126
TCRC033	51	52	-5.00E-02	880	29200	2.9200001	0.088
TCRC033	52	56	-5.00E-02	1240	4800	0.47999999	0.124
TCRC033	56	57	-5.00E-02	400	3300	0.33000001	4.00E-02
TCRC033	57	61	0.17	190	1100	0.11	1.90E-02
TCRC033	61	65	0.28	70	600	6.00E-02	7.00E-03
TCRC033	65	67	0.23	60	600	6.00E-02	6.00E-03
TCRC034	0	4	5.00E-02	310	600	6.00E-02	3.10E-02
TCRC034	4	8	-5.00E-02	70	400	4.00E-02	7.00E-03
TCRC034	8	12	-5.00E-02	20	500	5.00E-02	2.00E-03
TCRC034	12	16	-5.00E-02	40	600	6.00E-02	4.00E-03
TCRC034	16	20	-5.00E-02	30	1200	0.12	0.003
TCRC034	20	23	-5.00E-02	30	800	8.00E-02	0.003
TCRC034	23	24	-5.00E-02	80	131500	13.15	8.00E-03
TCRC034	24	25	-5.00E-02	90	26400	2.6400001	9.00E-03
TCRC034	25	29	-5.00E-02	40	1500	0.15000001	4.00E-03
TCRC034	29	32	-5.00E-02	-10	1900	0.19	-0.001
TCRC034	32	34	-5.00E-02	10	900	9.00E-02	0.001
TCRC034	34	35	-5.00E-02	10	13900	1.39	0.001
TCRC034	35	36	-5.00E-02	10	18100	1.8099999	0.001
TCRC034	36	40	-5.00E-02	20	1500	0.15000001	2.00E-03
TCRC034	40	44	-5.00E-02	80	7600	0.75999999	8.00E-03
TCRC034	44	48	-5.00E-02	160	1900	0.19	1.60E-02
TCRC034	48	52	-5.00E-02	140	600	6.00E-02	0.014
TCRC034	52	56	-5.00E-02	120	400	4.00E-02	0.012
TCRC034	56	60	-5.00E-02	70	700	0.07	7.00E-03
TCRC034	60	64	-5.00E-02	60	5900	0.58999997	6.00E-03
TCRC034	64	68	-5.00E-02	440	8400	0.83999997	0.044
TCRC034	68	72	-5.00E-02	550	1800	0.18000001	0.055
TCRC034	72	76	-5.00E-02	280	1400	0.14	2.80E-02
TCRC034	76	79	-5.00E-02	280	2500	0.25	2.80E-02

TCRC034	79	81	5.00E-02	260	4300	0.43000001	2.60E-02
TCRC034	81	82	6.00E-02	350	21200	2.1199999	0.035
TCRC035	0	4	-5.00E-02	400	1300	0.13	4.00E-02
TCRC035	4	8	-5.00E-02	440	1000	0.1	0.044
TCRC035	8	12	-5.00E-02	380	900	9.00E-02	3.80E-02
TCRC035	12	16	-5.00E-02	610	1100	0.11	6.10E-02
TCRC035	16	20	-5.00E-02	710	1600	0.16	7.10E-02
TCRC035	20	24	-5.00E-02	420	1100	0.11	4.20E-02
TCRC035	24	28	-5.00E-02	380	900	9.00E-02	3.80E-02
TCRC035	28	32	-5.00E-02	330	900	9.00E-02	0.033
TCRC035	32	36	-5.00E-02	460	1200	0.12	0.046
TCRC035	36	40	-5.00E-02	450	1300	0.13	4.50E-02
TCRC035	40	44	-5.00E-02	740	1700	0.17	7.40E-02
TCRC035	44	48	-5.00E-02	1080	1800	0.18000001	0.108
TCRC035	48	52	-5.00E-02	430	1300	0.13	4.30E-02
TCRC035	52	56	-5.00E-02	2720	1400	0.14	0.27200001
TCRC035	56	60	-5.00E-02	2830	1000	0.1	0.28299999
TCRC035	60	64	-5.00E-02	2410	1700	0.17	0.241
TCRC035	64	66	5.00E-02	1690	3200	0.31999999	0.169
TCRC035	66	67	-5.00E-02	2500	4200	0.41999999	0.25
TCRC035	67	68	-5.00E-02	1500	25200	2.52	0.15000001
TCRC035	68	69	-5.00E-02	1070	82400	8.2399998	0.107
TCRC035	69	70	-5.00E-02	790	76000	7.5999999	7.90E-02
TCRC035	70	71	-5.00E-02	1370	17700	1.77	0.13699999
TCRC035	71	72	-5.00E-02	2910	4200	0.41999999	0.29100001
TCRC035	72	73	-5.00E-02	2430	13700	1.37	0.243
TCRC035	73	74	-5.00E-02	5070	42000	4.1999998	0.50700003
TCRC035	74	75	-5.00E-02	5390	28100	2.8099999	0.53899997
TCRC035	75	76	-5.00E-02	4620	72100	7.21	0.46200001
TCRC035	76	77	-5.00E-02	3680	32900	3.29	0.368
TCRC035	77	78	-5.00E-02	5590	16500	1.65	0.55900002
TCRC035	78	79	-5.00E-02	8840	32500	3.25	0.884
TCRC035	79	80	-5.00E-02	2750	157500	15.75	0.27500001
TCRC035	80	81	-5.00E-02	6270	87299.992	8.7299995	0.62699997
TCRC035	81	82	-5.00E-02	2620	35200	3.52	0.26199999
TCRC035	82	83	-5.00E-02	4000	52800	5.2800002	0.40000001
TCRC035	83	84	-5.00E-02	3170	77100	7.71	0.317
TCRC035	84	85	-5.00E-02	4970	31400	3.1400001	0.49700001
TCRC035	85	86	-5.00E-02	3050	21900	2.1900001	0.30500001
TCRC035	86	87	-5.00E-02	3290	62500	6.25	0.329
TCRC035	87	88	-5.00E-02	2070	55700	5.5700002	0.207
TCRC035	88	89	-5.00E-02	1120	52900	5.29	0.112
TCRC035	89	90	5.00E-02	660	73900	7.3899999	0.066
TCRC035	100	101	-5.00E-02	1150	81899.992	8.1899996	0.115
TCRC035	101	102	-5.00E-02	1380	62600	6.2600002	0.138
TCRC035	102	103	-5.00E-02	1320	71200	7.1199999	0.132
TCRC035	103	104	6.00E-02	1120	31700	3.1700001	0.112
TCRC035	104	105	-5.00E-02	1100	35800	3.5799999	0.11
TCRC036	2	6	-5.00E-02	780	7000	0.69999999	7.80E-02
TCRC036	6	10	-5.00E-02	360	1200	0.12	3.60E-02
TCRC036	10	14	-5.00E-02	490	700	0.07	4.90E-02
TCRC036	14	18	-5.00E-02	490	600	6.00E-02	4.90E-02
TCRC036	18	22	-5.00E-02	510	500	5.00E-02	5.10E-02
TCRC036	22	26	-5.00E-02	370	600	6.00E-02	0.037
TCRC036	26	30	-5.00E-02	360	1500	0.15000001	3.60E-02
TCRC036	30	34	-5.00E-02	110	1700	0.17	0.011
TCRC036	34	38	-5.00E-02	50	900	9.00E-02	5.00E-03
TCRC036	38	42	-5.00E-02	40	1100	0.11	4.00E-03
TCRC036	42	46	-5.00E-02	30	1100	0.11	0.003
TCRC036	46	50	-5.00E-02	20	600	6.00E-02	2.00E-03
TCRC036	50	51	-5.00E-02	30	3300	0.33000001	0.003
TCRC036	51	52	-5.00E-02	10	2500	0.25	0.001
TCRC036	52	53	-5.00E-02	3550	16900	1.6900001	0.35499999

TCRC036	53	54	-5.00E-02	1290	11900	1.1900001	0.12899999
TCRC036	54	58	-5.00E-02	700	2000	0.2	0.07
TCRC036	58	62	-5.00E-02	1310	4200	0.41999999	0.131
TCRC036	62	66	-5.00E-02	960	8000	0.80000001	9.60E-02
TCRC036	66	70	-5.00E-02	160	6600	0.66000003	1.60E-02
TCRC036	70	74	-5.00E-02	140	4200	0.41999999	0.014
TCRC036	74	78	-5.00E-02	620	34500	3.45	6.20E-02
TCRC036	78	82	-5.00E-02	180	17600	1.76	1.80E-02
TCRC036	82	86	-5.00E-02	450	44000	4.4000001	4.50E-02
TCRC036	86	87	-5.00E-02	530	46000	4.5999999	5.30E-02
TCRC036	87	88	-5.00E-02	600	57300	5.73	6.00E-02
TCRC036	88	89	-5.00E-02	1080	91899.992	9.1899996	0.108
TCRC036	89	90	-5.00E-02	350	25700	2.5699999	0.035
TCRC036	90	91	-5.00E-02	1190	101000	10.1	0.119
TCRC036	91	92	-5.00E-02	450	55400	5.54	4.50E-02
TCRC036	92	93	-5.00E-02	720	24500	2.45	7.20E-02
TCRC036	93	94	-5.00E-02	250	7200	0.72000003	0.025
TCRC036	94	95	-5.00E-02	440	17900	1.79	0.044
TCRC036	95	96	-5.00E-02	1320	44800	4.48	0.132
TCRC036	96	97	-5.00E-02	1790	59100	5.9099998	0.17900001
TCRC036	97	98	5.00E-02	2040	38200	3.8199999	0.204
TCRC036	98	99	-5.00E-02	720	35000	3.5	7.20E-02
TCRC036	99	100	-5.00E-02	490	24200	2.4200001	4.90E-02
TCRC036	100	101	-5.00E-02	320	23200	2.3199999	3.20E-02
TCRC036	101	102	-5.00E-02	390	35000	3.5	3.90E-02
TCRC036	102	103	-5.00E-02	1070	47900	4.79	0.107
TCRC036	103	104	-5.00E-02	1520	48600	4.8600001	0.152
TCRC036	104	105	-5.00E-02	7040	31800	3.1800001	0.704
TCRC036	105	106	-5.00E-02	3690	16300	1.63	0.36899999
TCRC036	106	107	-5.00E-02	5950	22500	2.25	0.59500003
TCRC037	0	4	-5.00E-02	200	700	0.07	0.02
TCRC037	4	8	-5.00E-02	1010	900	9.00E-02	0.101
TCRC037	8	12	-5.00E-02	1030	1000	0.1	0.103
TCRC037	12	16	-5.00E-02	330	800	8.00E-02	0.033
TCRC037	16	20	-5.00E-02	140	500	5.00E-02	0.014
TCRC037	20	24	-5.00E-02	150	800	8.00E-02	0.015
TCRC037	24	28	-5.00E-02	100	600	6.00E-02	1.00E-02
TCRC037	28	32	-5.00E-02	230	900	9.00E-02	0.023
TCRC037	32	36	-5.00E-02	80	1000	0.1	8.00E-03
TCRC037	36	40	-5.00E-02	60	900	9.00E-02	6.00E-03
TCRC037	40	44	-5.00E-02	50	1200	0.12	5.00E-03
TCRC037	44	48	-5.00E-02	30	1100	0.11	0.003
TCRC037	48	52	-5.00E-02	10	900	9.00E-02	0.001
TCRC037	52	56	-5.00E-02	470	7900	0.79000002	4.70E-02
TCRC037	56	60	-5.00E-02	390	6000	0.60000002	3.90E-02
TCRC037	60	64	-5.00E-02	230	3100	0.31	0.023
TCRC037	64	68	-5.00E-02	180	1700	0.17	1.80E-02
TCRC037	68	72	-5.00E-02	100	23400	2.3399999	1.00E-02
TCRC037	72	76	-5.00E-02	140	48600	4.8600001	0.014
TCRC037	76	80	-5.00E-02	190	45400	4.54	1.90E-02
TCRC037	80	84	-5.00E-02	140	26500	2.6500001	0.014
TCRC037	84	88	-5.00E-02	320	30200	3.02	3.20E-02
TCRC037	88	92	-5.00E-02	390	22900	2.29	3.90E-02
TCRC037	92	95	-5.00E-02	420	15200	1.52	4.20E-02
TCRC037	95	99	-5.00E-02	430	6700	0.67000002	4.30E-02
TCRC037	99	101	-5.00E-02	500	7900	0.79000002	5.00E-02
TCRC037	101	102	-5.00E-02	440	5300	0.52999997	0.044
TCRC037	102	103	-5.00E-02	910	42400	4.2399998	9.10E-02
TCRC037	103	104	-5.00E-02	5400	38600	3.8599999	0.54000002
TCRC037	104	105	-5.00E-02	2720	32800	3.28	0.27200001
TCRC037	105	106	-5.00E-02	2190	43600	4.3600001	0.219
TCRC037	106	107	-5.00E-02	1080	18600	1.86	0.108
TCRC037	107	108	-5.00E-02	2100	13100	1.3099999	0.20999999

TCRC037	108	109	-5.00E-02	2930	10300	1.03	0.29300001
TCRC037	109	110	-5.00E-02	700	10200	1.02	0.07
TCRC038	0	4	-5.00E-02	820	1000	0.1	8.20E-02
TCRC038	4	8	-5.00E-02	6910	3700	0.37	0.69099998
TCRC038	8	12					
TCRC038	12	16	-5.00E-02	3230	1800	0.18000001	0.32300001
TCRC038	16	20	-5.00E-02	18650	6500	0.64999998	1.865
TCRC038	20	24	-5.00E-02	2150	1100	0.11	0.215
TCRC038	24	28	-5.00E-02	4670	1600	0.16	0.46700001
TCRC038	28	32	-5.00E-02	3500	1600	0.16	0.34999999
TCRC038	32	36	-5.00E-02	15950	5000	0.5	1.595
TCRC038	36	40	-5.00E-02	16800	8900	0.88999999	1.6799999
TCRC038	40	42	-5.00E-02	5370	6500	0.64999998	0.537
TCRC038	42	44	-5.00E-02	4780	4100	0.41	0.47799999
TCRC038	44	46	-5.00E-02	4580	4500	0.44999999	0.458
TCRC038	46	48	-5.00E-02	3750	2000	0.2	0.375
TCRC038	48	50	-5.00E-02	3450	10700	1.0700001	0.345
TCRC038	50	51	-5.00E-02	10950	137500	13.75	1.095
TCRC038	51	52	-5.00E-02	15400	49700	4.9699998	1.54
TCRC038	52	53	-5.00E-02	8300	137500	13.75	0.82999998
TCRC038	53	54	-5.00E-02	10100	66000	6.5999999	1.01
TCRC038	54	55	-5.00E-02	5670	132500	13.25	0.56699997
TCRC038	55	56	-5.00E-02	3580	40100	4.0100002	0.35800001
TCRC038	56	57	-5.00E-02	2750	9900	0.99000001	0.27500001
TCRC039	0	4	-5.00E-02	490	1500	0.15000001	4.90E-02
TCRC039	4	8	-5.00E-02	200	800	8.00E-02	0.02
TCRC039	8	12	-5.00E-02	140	500	5.00E-02	0.014
TCRC039	12	16	-5.00E-02	60	800	8.00E-02	6.00E-03
TCRC039	16	20	-5.00E-02	470	1200	0.12	4.70E-02
TCRC039	20	24	-5.00E-02	1160	600	6.00E-02	0.116
TCRC039	24	28	-5.00E-02	270	800	8.00E-02	2.70E-02
TCRC039	28	32	-5.00E-02	480	600	6.00E-02	0.048
TCRC039	32	36	-5.00E-02	360	500	5.00E-02	3.60E-02
TCRC039	36	40	-5.00E-02	50	800	8.00E-02	5.00E-03
TCRC039	40	42	-5.00E-02	140	1200	0.12	0.014
TCRC039	42	43	-5.00E-02	170	3600	0.36000001	1.70E-02
TCRC039	43	44	-5.00E-02	1260	31100	3.1099999	0.126
TCRC039	44	45	-5.00E-02	790	53600	5.3600001	7.90E-02
TCRC039	45	46	-5.00E-02	580	68300	6.8299999	5.80E-02
TCRC039	46	47	-5.00E-02	510	31300	3.1300001	5.10E-02
TCRC039	47	48	-5.00E-02	1130	83400	8.3400002	0.113
TCRC039	48	49	-5.00E-02	5450	60000	6	0.54500002
TCRC039	49	50	-5.00E-02	2920	45100	4.5100002	0.292
TCRC039	50	51	-5.00E-02	900	7700	0.76999998	9.00E-02
TCRC039	51	52	-5.00E-02	4050	49700	4.9699998	0.405
TCRC039	52	53	-5.00E-02	2220	55600	5.5599999	0.222
TCRC039	53	54	-5.00E-02	4320	71800	7.1799998	0.43200001
TCRC039	54	55	-5.00E-02	3810	39700	3.97	0.38100001
TCRC039	55	56	-5.00E-02	3130	48800	4.8800001	0.31299999
TCRC039	56	57	-5.00E-02	1820	36800	3.6800001	0.182
TCRC039	57	58	-5.00E-02	3380	37600	3.76	0.338
TCRC039	58	59	-5.00E-02	4470	58700	5.8699999	0.447
TCRC039	59	60	-5.00E-02	3090	26600	2.6600001	0.30899999
TCRC039	60	61	-5.00E-02	600	15800	1.58	6.00E-02
TCRC039	61	62	-5.00E-02	6400	44300	4.4299998	0.63999999
TCRC039	62	63	-5.00E-02	3890	22800	2.28	0.389
TCRC039	63	64	-5.00E-02	7180	64700	6.4699998	0.71799999
TCRC039	64	65	-5.00E-02	12850	127500	12.75	1.285
TCRC039	65	66	-5.00E-02	10000	108000	10.8	1
TCRC039	66	67	-5.00E-02	4210	54500	5.4499998	0.421
TCRC039	67	68	-5.00E-02	3910	40800	4.0799999	0.391
TCRC039	68	69	-5.00E-02	7010	126000	12.6	0.70099998
TCRC039	69	70	-5.00E-02	2300	48100	4.8099999	0.23

TCRC039	70	71	-5.00E-02	1380	38000	3.8	0.138
TCRC039	71	72	-5.00E-02	7640	23300	2.3299999	0.764
TCRC039	72	73	-5.00E-02	3030	25600	2.5599999	0.303
TCRC035	90	91	5.00E-02	660	63500	6.3499999	0.066
TCRC035	91	92	-5.00E-02	1020	73700	7.3699999	0.102
TCRC035	92	93	-5.00E-02	2030	47600	4.7600002	0.20299999
TCRC035	93	94	-5.00E-02	1700	97200	9.7200003	0.17
TCRC035	94	95	-5.00E-02	1140	50700	5.0700002	0.114
TCRC035	95	96	-5.00E-02	440	104000	10.4	0.044
TCRC035	96	97	-5.00E-02	1170	36500	3.6500001	0.117
TCRC035	97	98	-5.00E-02	1480	36700	3.6700001	0.148
TCRC035	98	99	-5.00E-02	1280	119500	11.95	0.12800001
TCRC035	99	100	-5.00E-02	570	88700	8.8699999	0.057
TCTR001	0	1		821			8.21E-02
TCTR001	1	2		1155			0.1155
TCTR001	2	3		906			9.06E-02
TCTR001	3	4		631			6.31E-02
TCTR001	4	5		582			5.82E-02
TCTR001	5	6		805			8.05E-02
TCTR001	6	7		431			4.31E-02
TCTR001	7	8		368			3.68E-02
TCTR001	8	9		887			8.87E-02
TCTR001	9	10		1440			0.14399999
TCTR001	10	11		479			4.79E-02
TCTR001	11	12		635	1550	0.155	6.35E-02
TCTR001	12	13		738			7.38E-02
TCTR002	0	1		763			7.63E-02
TCTR002	1	2		525			5.25E-02
TCTR002	2	3		664	9040	0.90399998	6.64E-02
TCTR002	3	4		478			4.78E-02
TCTR002	4	5		1175	3260	0.32600001	0.1175
TCTR002	5	6		482	2030	0.20299999	0.0482
TCTR002	6	7		1155	3930	0.39300001	0.1155
TCTR002	7	8		1945			0.1945
TCTR003	0	1		1505			0.1505
TCTR003	1	2		6900			0.69
TCTR003	2	3		6010			0.60100001
TCTR003	3	4		2500			0.25
TCTR003	4	5		1700			0.17
TCTR003	5	6		3450			0.345
TCTR003	6	7		456			4.56E-02
TCTR004	0	1		1320			0.132
TCTR004	1	2		1670			0.167
TCTR004	2	3		575			5.75E-02
TCTR004	3	4		301			3.01E-02
TCTR004	4	5		618			6.18E-02
TCTR004	5	6		588			5.88E-02
TCTR005	0	2		900	650	6.50E-02	9.00E-02
TCTR005	2	4		900	890	8.90E-02	9.00E-02
TCTR005	4	6		800	1850	0.185	8.00E-02
TCTR005	6	8		1000	2120	0.212	0.1
TCTR005	8	10		1100	1130	0.113	0.11
TCTR005	10	12		800	4280	0.428	8.00E-02
TCTR005	12	14		700	1280	0.12800001	0.07
TCTR005	14	16		800	1900	0.19	8.00E-02
TCTR005	16	18		2300	1950	0.19499999	0.23
TCTR005	18	20		2700	1860	0.186	0.27000001
TCTR005	20	22		400	760	7.60E-02	4.00E-02
TCTR005	22	24		600	1350	0.13500001	6.00E-02
TCTR005	24	25		600	1860	0.186	6.00E-02
TCTR005	25	26		2600	6760	0.676	0.25999999
TCTR005	26	27		3900	5860	0.58600003	0.38999999
TCTR005	27	28		9000	7050	0.70499998	0.89999998

TCTR005	28	29	31400	19350	1.9349999	3.1400001
TCTR005	29	30	14500	10900	1.09	1.45
TCTR005	30	31	14300	9270	0.92699999	1.4299999
TCTR005	31	32	9100	6250	0.625	0.91000003
TCTR005	32	33	600	280	2.80E-02	6.00E-02
TCTR005	33	34	900	1040	0.104	9.00E-02
TCTR005	34	35	1900	880	0.088	0.19
TCTR005	35	36	2300	1840	0.184	0.23
TCTR005	36	37	800	270	2.70E-02	8.00E-02
TCTR005	37	38	600	360	3.60E-02	6.00E-02
TCTR005	38	39	1900	670	6.70E-02	0.19
TCTR005	39	40	1000	470	4.70E-02	0.1
TCTR005	40	41	900	500	5.00E-02	9.00E-02
TCTR005	41	42	2300	1870	0.18700001	0.23
TCTR005	42	43	100	520	5.20E-02	1.00E-02
TCTR005	43	44	300	300	3.00E-02	3.00E-02
TCTR005	44	45	600	720	7.20E-02	6.00E-02
TCTR005	45	46	900	930	9.30E-02	9.00E-02
TCTR005	46	47	1100	1670	0.167	0.11
TCTR005	47	48	1400	460	0.046	0.14
TCTR005	48	49	5200	1050	0.105	0.51999998
TCTR005	49	50	2300	990	9.90E-02	0.23
TCTR005	50	51	500	1080	0.108	5.00E-02
TCTR005	51	52	1500	530	5.30E-02	0.15000001
TCTR005	52	53	700	750	7.50E-02	0.07
TCTR005	53	54	500	870	8.70E-02	5.00E-02
TCTR005	54	55	400	820	8.20E-02	4.00E-02
TCTR005	55	56	500	3310	0.331	5.00E-02
TCTR005	56	57	800	550	0.055	8.00E-02
TCTR005	57	58	200	350	0.035	0.02
TCTR005	58	59	0	5	5.00E-04	0
TCTR005	59	60	600	3780	0.37799999	6.00E-02
TCTR005	60	61	1700	1790	0.17900001	0.17
TCTR005	61	62	200	900	9.00E-02	0.02
TCTR005	62	63	500	76530	7.6529999	5.00E-02
TCTR005	63	64	600	129399.99	12.94	6.00E-02
TCTR005	64	65	200	31670	3.1670001	0.02
TCTR005	65	66	200	2390	0.23899999	0.02
TCTR005	66	67	100	610	6.10E-02	1.00E-02
TCTR005	67	68	200	810	0.081	0.02
TCTR005	68	69	400	1440	0.14399999	4.00E-02
TCTR005	69	70	300	1090	0.109	3.00E-02
TCTR006	0	2	200	860	8.60E-02	0.02
TCTR006	2	4	200	1390	0.139	0.02
TCTR006	4	6	500	1860	0.186	5.00E-02
TCTR006	6	8	300	1040	0.104	3.00E-02
TCTR006	8	10	200	1210	0.121	0.02
TCTR006	10	12	800	1640	0.164	8.00E-02
TCTR006	12	14	600	1050	0.105	6.00E-02
TCTR006	14	16	500	1320	0.132	5.00E-02
TCTR006	16	18	1100	1080	0.108	0.11
TCTR006	18	20	1600	1060	0.106	0.16
TCTR006	20	22	700	9600	0.95999998	0.07
TCTR006	22	24	1100	1600	0.16	0.11
TCTR006	24	26	400	1160	0.116	4.00E-02
TCTR006	26	28	200	430	4.30E-02	0.02
TCTR006	28	30	400	100	1.00E-02	4.00E-02
TCTR006	30	32	500	250	0.025	5.00E-02
TCTR006	32	34	300	530	5.30E-02	3.00E-02
TCTR006	34	36	200	390	3.90E-02	0.02
TCTR006	36	38	0	5	5.00E-04	0
TCTR006	38	40	200	50	5.00E-03	0.02
TCTR006	40	42	300	5	5.00E-04	3.00E-02

TCTR007	0	2	1100	2640	0.264	0.11
TCTR007	2	4	700	490	4.90E-02	0.07
TCTR007	4	6	800	1410	0.141	8.00E-02
TCTR007	6	8	800	1590	0.15899999	8.00E-02
TCTR007	8	10	200	610	6.10E-02	0.02
TCTR007	10	12	400	1060	0.106	4.00E-02
TCTR007	12	13	600	2540	0.25400001	6.00E-02
TCTR007	13	14	400	840	8.40E-02	4.00E-02
TCTR007	14	15	500	790	7.90E-02	5.00E-02
TCTR007	15	16	5700	260	2.60E-02	0.56999999
TCTR007	16	17	13700	9650	0.96499997	1.37
TCTR007	17	18	1800	3120	0.31200001	0.18000001
TCTR007	18	19	600	5	5.00E-04	6.00E-02
TCTR007	19	20	400	5	5.00E-04	4.00E-02
TCTR007	20	21	400	910	9.10E-02	4.00E-02
TCTR007	21	22	600	1000	0.1	6.00E-02
TCTR007	22	23	800	5	5.00E-04	8.00E-02
TCTR007	23	24	500	5	5.00E-04	5.00E-02
TCTR007	24	25	500	5	5.00E-04	5.00E-02
TCTR007	25	26	1200	5	5.00E-04	0.12
TCTR007	26	27	1100	5	5.00E-04	0.11
TCTR007	27	28	1000	5	5.00E-04	0.1
TCTR007	28	29	500	5	5.00E-04	5.00E-02
TCTR007	29	30	1100	5	5.00E-04	0.11
TCTR007	30	31	2600	130	0.013	0.25999999
TCTR007	31	32	2100	5	5.00E-04	0.20999999
TCTR007	32	33	700	780	7.80E-02	0.07
TCTR007	33	34	3800	1370	0.13699999	0.38
TCTR007	34	35	8700	7480	0.74800003	0.87
TCTR007	35	36	3300	900	9.00E-02	0.33000001
TCTR007	36	37	1600	1360	0.13600001	0.16
TCTR007	37	38	400	1220	0.122	4.00E-02
TCTR007	38	39	400	1280	0.12800001	4.00E-02
TCTR007	39	40	800	1160	0.116	8.00E-02
TCTR007	40	41	800	1560	0.156	8.00E-02
TCTR007	41	42	1500	2050	0.205	0.15000001
TCTR007	42	43	1300	1950	0.19499999	0.13
TCTR007	43	44	1500	1240	0.124	0.15000001
TCTR007	44	45	1900	1140	0.114	0.19
TCTR007	45	46	1000	890	8.90E-02	0.1
TCTR007	46	47	1100	1090	0.109	0.11
TCTR007	47	48	1500	1410	0.141	0.15000001
TCTR007	48	49	1800	1560	0.156	0.18000001
TCTR007	49	50	800	1060	0.106	8.00E-02
TCTR007	50	51	600	960	9.60E-02	6.00E-02
TCTR007	51	52	800	1140	0.114	8.00E-02
TCTR008	0	2	200	1070	0.107	0.02
TCTR008	2	4	600	180	1.80E-02	6.00E-02
TCTR008	4	6				
TCTR008	6	8	100	380	3.80E-02	1.00E-02
TCTR008	8	10	200	880	0.088	0.02
TCTR008	10	12	100	420	4.20E-02	1.00E-02
TCTR008	12	14	400	580	5.80E-02	4.00E-02
TCTR008	14	16	500	5	5.00E-04	5.00E-02
TCTR008	16	18	300	5	5.00E-04	3.00E-02
TCTR008	18	20	300	5	5.00E-04	3.00E-02
TCTR008	20	22	500	5	5.00E-04	5.00E-02
TCTR008	22	24	600	5	5.00E-04	6.00E-02
TCTR008	24	26	800	5	5.00E-04	8.00E-02
TCTR008	26	28	600	5	5.00E-04	6.00E-02
TCTR008	28	30	600	730	7.30E-02	6.00E-02
TCTR008	30	32	800	1670	0.167	8.00E-02
TCTR008	32	33	1000	1660	0.16599999	0.1

TCTR008	33	34		600	1000	0.1	6.00E-02
TCTR008	34	35		1700	1190	0.119	0.17
TCTR008	35	36		500	1030	0.103	5.00E-02
TCTR008	36	37		1700	1770	0.177	0.17
TCTR008	37	38		2600	2130	0.213	0.25999999
TCTR008	38	39		8000	2550	0.255	0.80000001
TCTR008	39	40		1500	1120	0.112	0.15000001
TCTR008	40	41		900	1380	0.138	9.00E-02
TCTR008	41	42		1100	1320	0.132	0.11
TCTR008	42	43		4100	270600	27.059999	0.41
TCTR008	43	44		6700	200500	20.049999	0.67000002
TCTR008	44	45		5800	221299.98	22.129999	0.57999998
TCTR008	45	46		6800	325300	32.529999	0.68000001
TCTR008	46	47		8000	213400	21.34	0.80000001
TCTR008	47	48		2100	2520	0.252	0.20999999
TCTR009	0	2		100	1420	0.142	1.00E-02
TCTR009	2	4		1400	810	0.081	0.14
TCTR009	4	6		200	800	8.00E-02	0.02
TCTR009	6	8		200	710	7.10E-02	0.02
TCTR009	8	10		100	790	7.90E-02	1.00E-02
TCTR009	10	12		1700	1200	0.12	0.17
TCTR009	12	14		400	1040	0.104	4.00E-02
TCTR009	14	16		300	5	5.00E-04	3.00E-02
TCTR009	16	18		300	1930	0.193	3.00E-02
TCTR009	18	19		600	120	0.012	6.00E-02
TCTR009	19	20		2400	2250	0.22499999	0.23999999
TCTR009	24	25		3500	3190	0.31900001	0.34999999
TCTR009	25	26		4300	3630	0.36300001	0.43000001
TCTR009	26	27		1800	3110	0.31099999	0.18000001
TCTR009	27	28		1700	1440	0.14399999	0.17
TCTR009	28	29		1900	750	7.50E-02	0.19
TCTR009	29	30		4200	5590	0.55900002	0.41999999
TCTR009	30	31		4900	7450	0.745	0.49000001
TCDH001	0	0.60000002	6.00E-02	480	350	0.035	0.048
TCDH001	0.60000002	2	5.00E-02	1650	380	3.80E-02	0.16500001
TCDH001	2	4	0.07	580	270	2.70E-02	5.80E-02
TCDH001	4	6	0.47999999	1070	450	4.50E-02	0.107
TCDH001	6	8	0.07	1390	530	5.30E-02	0.139
TCDH001	8	10	0.07	1380	410	4.10E-02	0.138
TCDH001	10	12	0.07	1940	500	5.00E-02	0.19400001
TCDH001	12	14	0.07	2910	550	0.055	0.29100001
TCDH001	14	16	0.07	2800	650	6.50E-02	0.28
TCDH001	16	18	8.00E-02	4380	960	9.60E-02	0.43799999
TCDH001	18	20	0.07	4390	1060	0.106	0.43900001
TCDH001	20	22	0.07	4170	870	8.70E-02	0.417
TCDH001	22	24	0.07	5790	1080	0.108	0.579
TCDH001	24	26	5.00E-02	5610	1040	0.104	0.56099999
TCDH001	26	27	4.00E-02	8110	1680	0.168	0.81099999
TCDH001	27	28	0.02	14700	8060	0.80599999	1.47
TCDH001	28	29	5.00E-02	670	4670	0.46700001	6.70E-02
TCDH001	29	32	3.00E-02	7700	59500	5.9499998	0.76999998
TCDH001	32	35	-1.00E-02	46900	145500	14.55	4.6900001
TCDH001	35	36	0.02	17900	48300	4.8299999	1.79
TCDH001	36	38	5.00E-02	3620	162500	16.25	0.36199999
TCDH001	38	39	-1.00E-02	27500	151500	15.15	2.75
TCDH001	39	40	0.02	12250	182500	18.25	1.225
TCDH001	40	41	0.02	15500	151000	15.1	1.55
TCDH001	41	42.299999	5.00E-02	4960	166000	16.6	0.49599999
TCDH001	42.299999	43	6.00E-02	950	157500	15.75	9.50E-02
TCDH001	43	44	4.00E-02	1350	264000	26.4	0.13500001
TCDH001	44	45.400002	4.00E-02	1260	80000	8	0.126
TCDH001	45.400002	47	4.00E-02	1050	40300	4.0300002	0.105
TCDH001	47	48.900002	4.00E-02	510	11400	1.14	5.10E-02

TCDH001	48.900002	50	4.00E-02	430	20500	2.05	4.30E-02
TCDH001	50	51	4.00E-02	980	78000	7.8000002	9.80E-02
TCDH001	51	52	4.00E-02	1040	57200	5.7199998	0.104
TCDH001	52	53	3.00E-02	960	163000	16.299999	9.60E-02
TCDH001	53	54	4.00E-02	1290	92299.992	9.2299995	0.12899999
TCDH001	54	55	4.00E-02	1250	60700	6.0700002	0.125
TCDH001	55	56	4.00E-02	650	103500	10.35	6.50E-02
TCDH001	56	57	4.00E-02	1030	143000	14.3	0.103
TCDH001	57	58	4.00E-02	730	103500	10.35	7.30E-02
TCDH001	58	59	4.00E-02	250	43700	4.3699999	0.025
TCDH001	59	60	4.00E-02	350	62400	6.2399998	0.035
TCDH001	60	61	3.00E-02	2750	182500	18.25	0.27500001
TCDH001	61	62	5.00E-02	500	49500	4.9499998	5.00E-02
TCDH001	62	63	4.00E-02	380	35500	3.55	3.80E-02
TCDH001	63	64	4.00E-02	340	24500	2.45	3.40E-02
TCDH001	64	65.199997	5.00E-02	600	79500	7.9499998	6.00E-02
TCDH001	65.199997	66	3.00E-02	2810	52800	5.2800002	0.28099999
TCDH001	66	67.099998	3.00E-02	4750	115500	11.55	0.47499999
TCDH001	67.099998	68	4.00E-02	910	89000	8.8999996	9.10E-02
TCDH001	68	69	4.00E-02	1050	34600	3.46	0.105
TCDH001	69	70	4.00E-02	610	4500	0.44999999	6.10E-02
TCDH001	70	71	5.00E-02	670	19650	1.965	6.70E-02
TCDH001	71	72	4.00E-02	970	72600	7.2600002	9.70E-02
TCDH001	72	73	4.00E-02	500	112000	11.2	5.00E-02
TCDH001	73	74	4.00E-02	540	166000	16.6	5.40E-02
TCDH001	74	75.400002	3.00E-02	3760	219000	21.9	0.37599999
TCDH001	75.400002	76.699997	4.00E-02	1470	255000	25.5	0.147
TCDH001	76.699997	78	4.00E-02	1140	75200	7.52	0.114
TCDH001	78	79	4.00E-02	300	43800	4.3800001	3.00E-02
TCDH001	79	80	4.00E-02	1380	84799.992	8.4799995	0.138
TCDH001	80	81	4.00E-02	2330	71800	7.1799998	0.233
TCDH001	81	83	4.00E-02	1820	70300	7.0300002	0.182
TCDH001	83	84	4.00E-02	2710	127500	12.75	0.271
TCDH001	84	86	4.00E-02	3760	152500	15.25	0.37599999
TCDH001	86	87	4.00E-02	5090	141500	14.15	0.509
TCDH001	87	88	3.00E-02	10900	276000	27.6	1.09
TCDH001	88	89	3.00E-02	1440	206000	20.6	0.14399999
TCDH001	89	90	3.00E-02	1820	213000	21.299999	0.182
TCDH001	90	91	4.00E-02	480	60900	6.0900002	0.048
TCDH001	91	92	4.00E-02	1180	109000	10.9	0.118
TCDH001	92	93	4.00E-02	510	65800	6.5799999	5.10E-02
TCDH001	93	94	4.00E-02	720	72900	7.29	7.20E-02
TCDH001	94	95	4.00E-02	1180	84600	8.46	0.118
TCDH001	95	96	4.00E-02	1030	119500	11.95	0.103
TCDH001	96	97	4.00E-02	480	69600	6.96	0.048
TCDH001	97	98	4.00E-02	150	41800	4.1799998	0.015
TCDH001	98	99	4.00E-02	550	85400	8.54	0.055
TCDH001	99	100	4.00E-02	130	28100	2.8099999	0.013
TCDH001	100	101	4.00E-02	220	81200	8.1199999	0.022
TCDH001	101	102	6.00E-02	900	24400	2.4400001	9.00E-02
TCDH001	102	103	4.00E-02	410	40300	4.0300002	4.10E-02
TCDH001	103	104	4.00E-02	910	32700	3.27	9.10E-02
TCDH001	104	105	4.00E-02	270	24400	2.4400001	2.70E-02
TCDH001	105	106	4.00E-02	310	36600	3.6600001	3.10E-02
TCDH001	106	107	3.00E-02	1460	122000	12.2	0.146
TCDH001	107	108	4.00E-02	320	5650	0.565	3.20E-02
TCDH001	108	109	6.00E-02	440	72400	7.2399998	0.044
TCDH001	109	110	4.00E-02	390	44900	4.4899998	3.90E-02
TCDH001	110	111	6.00E-02	40	8960	0.89600003	4.00E-03
TCDH001	111	112	6.00E-02	270	109500	10.95	2.70E-02
TCDH001	112	113	4.00E-02	60	70400	7.04	6.00E-03
TCDH001	113	114	4.00E-02	2190	112000	11.2	0.219
TCDH001	114	115	4.00E-02	790	59000	5.9000001	7.90E-02

TCDH001	115	116	3.00E-02	3820	61300	6.1300001	0.382
TCDH001	116	117	4.00E-02	3120	53300	5.3299999	0.31200001
TCDH001	117	118	-1.00E-02	32900	54700	5.4699998	3.29
TCDH001	118	119	3.00E-02	1280	34400	3.4400001	0.12800001
TCDH001	119	120	-1.00E-02	18200	32400	3.24	1.8200001
TCDH001	120	121	3.00E-02	8160	41700	4.1700001	0.81599998
TCDH001	121	122	3.00E-02	11450	19050	1.905	1.145
TCDH001	122	123	4.00E-02	2660	17350	1.735	0.266
TCDH001	123	124	1.00E-02	12800	26100	2.6099999	1.28
TCDH001	124	125	1.00E-02	11600	28800	2.8800001	1.16
TCDH001	125	126	-1.00E-02	16600	36500	3.6500001	1.66
TCDH001	126	127.9	3.00E-02	6180	10950	1.095	0.61799997
TCDH001	127.9	129	3.00E-02	7290	50200	5.02	0.72899997
TCDH001	129	130.8	1.64	20	5940	0.59399998	2.00E-03
TCDH001	130.8	132	3.00E-02	9750	25100	2.51	0.97500002
TCDH001	132	134	3.00E-02	9570	42500	4.25	0.95700002
TCDH001	134	135	3.00E-02	9820	22500	2.25	0.98199999
TCDH001	135	136	1.00E-02	11650	58700	5.8699999	1.165
TCDH001	136	137	4.00E-02	2940	16150	1.615	0.294
TCDH001	137	138	3.00E-02	2610	10350	1.035	0.26100001
TCDH001	138	139	1.00E-02	8940	21500	2.1500001	0.89399999
TCDH001	139	140	3.00E-02	7050	34900	3.49	0.70499998
TCDH001	140	141	4.00E-02	2800	32100	3.21	0.28
TCDH001	141	142	3.00E-02	6020	35600	3.5599999	0.602
TCDH001	142	143	4.00E-02	1900	27700	2.77	0.19
TCDH001	143	144	3.00E-02	4760	64500	6.4499998	0.47600001
TCDH001	144	145	1.00E-02	8350	41400	4.1399999	0.83499998
TCDH001	145	146	4.00E-02	1020	31500	3.1500001	0.102
TCDH001	146	147	6.00E-02	700	47000	4.6999998	0.07
TCDH001	147	149	0.17	150	55500	5.5500002	0.015
TCDH001	149	150	0.1	270	22200	2.22	2.70E-02
TCDH001	150	151	3.00E-02	300	38200	3.8199999	3.00E-02
TCDH001	151	152	1.00E-02	310	31000	3.0999999	3.10E-02
TCDH001	152	153	8.00E-02	340	30500	3.05	3.40E-02
TCDH001	153	154	0.14	1600	31800	3.1800001	0.16
TCDH001	154	155	8.00E-02	70	23000	2.3	7.00E-03
TCDH001	155	156	8.00E-02	160	51400	5.1399999	1.60E-02
TCDH001	156	157	0.13	80	41500	4.1500001	8.00E-03
TCDH001	157	158	0.11	570	28100	2.8099999	0.057
TCDH001	158	159	0.11	18950	30200	3.02	1.895
TCDH001	159	160	4.00E-02	1930	32200	3.22	0.193
TCDH001	160	161	0.07	150	29100	2.9100001	0.015
TCDH001	161	162	0.07	30	22900	2.29	0.003
TCDH001	162	163	0.07	50	29700	2.97	5.00E-03
TCDH001	163	164	8.00E-02	2040	27000	2.7	0.204
TCDH001	164	165	0.17	60	50600	5.0599999	6.00E-03
TCDH001	165	166	0.25	60	72400	7.2399998	6.00E-03
TCDH001	166	167	0.18000001	60	45100	4.5100002	6.00E-03
TCDH001	167	168	0.14	760	34100	3.4100001	7.60E-02
TCDH001	168	169	0.07	260	31000	3.0999999	2.60E-02
TCDH001	169	170	0.11	110	34700	3.47	0.011
TCDH001	170	171	0.07	120	16600	1.66	0.012
TCDH001	171	172	0.11	2700	18050	1.8049999	0.27000001
TCDH001	172	173	0.17	410	25100	2.51	4.10E-02
TCDH001	173	174	0.1	1520	23300	2.3299999	0.152
TCDH001	174	175	0.14	240	31600	3.1600001	0.024
TCDH001	175	176					
TCDH001	176	177	0.1	720	12050	1.205	7.20E-02
TCDH001	177	178	0.13	1600	25400	2.54	0.16
TCDH001	178	179	0.11	220	16650	1.665	0.022
TCDH001	179	180	0.17	410	17950	1.795	4.10E-02
TCDH001	180	181	0.13	50	4640	0.46399999	5.00E-03
TCDH001	181	182	0.20999999	50	8270	0.82700002	5.00E-03

TCDH001	182	183	0.23999999	4360	6040	0.60399997	0.43599999
TCDH001	183	184	0.15000001	340	5780	0.57800001	3.40E-02
TCDH001	184	185	0.36000001	3590	21200	2.1199999	0.359
TCDH001	185	186	0.20999999	440	12300	1.23	0.044
TCDH001	186	187	2.0699999	150	12100	1.21	0.015
TCDH001	187	188	1.78	40	7420	0.74199998	4.00E-03
TCDH001	188	189	2.0699999	1140	3530	0.35299999	0.114
TCDH001	189	190	3.53	450	4700	0.47	4.50E-02
TCDH001	190	191	0.85000002	40	4700	0.47	4.00E-03
TCDH001	191	192	1.7	60	5500	0.55000001	6.00E-03
TCDH001	192	193	0.31999999	70	1920	0.192	7.00E-03
TCDH001	193	194	0.41999999	370	3850	0.38499999	0.037
TCDH001	194	195	0.36000001	40	1490	0.149	4.00E-03
TCDH001	195	196	0.92000002	1220	8490	0.84899998	0.122
TCDH001	196	197	0.63	60	6030	0.60299999	6.00E-03
TCDH001	197	198	0.34	240	4540	0.454	0.024
TCDH001	198	199	0.25	50	8000	0.80000001	5.00E-03
TCDH001	199	200	0.58999997	1940	15100	1.51	0.19400001
TCDH001	200	201	0.22	140	5750	0.57499999	0.014
TCDH001	201	202	0.23999999	290	17100	1.71	2.90E-02
TCDH001	202	203	0.22	240	13750	1.375	0.024
TCDH001	203	204	0.25	100	21000	2.0999999	1.00E-02
TCDH001	204	205	0.44999999	110	17750	1.775	0.011
TCDH001	205	206	0.15000001	690	26700	2.6700001	6.90E-02
TCDH001	206	207	0.25	340	15900	1.59	3.40E-02
TCDH001	207	208	2.0999999	820	14250	1.425	8.20E-02
TCDH001	208	209	1.3	60	37300	3.73	6.00E-03
TCDH001	209	210	0.22	700	17600	1.76	0.07
TCDH001	210	211	0.2	50	17450	1.745	5.00E-03
TCDH001	211	212	0.22	40	24800	2.48	4.00E-03
TCDH001	212	213	0.28	100	24900	2.49	1.00E-02
TCDH001	213	214	3.99	120	21800	2.1800001	0.012
TCDH001	214	215	0.46000001	80	16300	1.63	8.00E-03
TCDH001	215	216	0.14	50	14050	1.405	5.00E-03
TCDH001	216	217	0.27000001	20	19350	1.9349999	2.00E-03
TCDH001	217	218	0.28999999	80	31000	3.0999999	8.00E-03
TCDH001	218	219	0.52999997	220	37600	3.76	0.022
TCDH001	219	220	1.05	290	29600	2.96	2.90E-02
TCDH001	220	221	0.31	470	31200	3.1199999	4.70E-02
TCDH001	221	222	2.24	80	22800	2.28	8.00E-03
TCDH001	222	223	10.6	70	16600	1.66	7.00E-03
TCDH001	223	224	1.76	480	51500	5.1500001	0.048
TCDH001	224	225	1.3200001	130	26800	2.6800001	0.013
TCDH001	225	226	1.8200001	110	23500	2.3499999	0.011
TCDH001	226	227	0.62	70	15700	1.5700001	7.00E-03
TCDH001	227	228	0.38999999	50	22600	2.26	5.00E-03
TCDH001	228	229	0.34999999	40	13450	1.345	4.00E-03
TCDH001	229	230	0.28	80	24900	2.49	8.00E-03
TCDH001	230	231	0.43000001	120	24900	2.49	0.012
TCDH001	231	232	1.26	70	21900	2.1900001	7.00E-03
TCDH001	232	233	1.48	140	25600	2.5599999	0.014
TCDH001	233	234	0.76999998	40	20700	2.0699999	4.00E-03
TCDH001	234	235	2.01	70	19600	1.96	7.00E-03
TCDH001	235	236	1.54	50	19300	1.9299999	5.00E-03
TCDH001	236	237	0.38999999	810	19800	1.98	0.081
TCDH001	237	238	0.94	60	13000	1.3	6.00E-03
TCDH001	238	239	0.49000001	2520	25300	2.53	0.252
TCDH001	239	240	1.1900001	170	21900	2.1900001	1.70E-02
TCDH001	240	241	0.74000001	280	16050	1.605	2.80E-02
TCDH001	241	242	0.73000002	90	28000	2.8	9.00E-03
TCDH001	242	243	0.25	70	20900	2.0899999	7.00E-03
TCDH001	243	244	0.88	760	19300	1.9299999	7.60E-02
TCDH001	244	245	0.63999999	90	33400	3.3399999	9.00E-03

TCDH001	245	246	1.23	150	19050	1.905	0.015
TCDH001	246	247	0.76999998	190	27600	2.76	1.90E-02
TCDH001	247	248	1.28	620	71300	7.1300001	6.20E-02
TCDH001	248	249	0.58999997	150	30700	3.0699999	0.015
TCDH001	249	250	1.1900001	120	20200	2.02	0.012
TCDH001	250	251	1.8200001	90	30400	3.04	9.00E-03
TCDH001	251	252	3.1600001	150	16550	1.655	0.015
TCDH001	252	253	0.34	100	7290	0.72899997	1.00E-02
TCDH001	253	254	1.1799999	70	6780	0.67799997	7.00E-03
TCDH001	254	255	0.69999999	160	9230	0.92299998	1.60E-02
TCDH001	255	256	0.75999999	150	14150	1.415	0.015
TCDH001	256	257	1.04	910	17200	1.72	9.10E-02
TCDH001	257	258	4.8800001	90	9140	0.91399997	9.00E-03
TCDH001	258	259	0.76999998	180	9360	0.93599999	1.80E-02
TCDH001	259	260	0.76999998	140	16300	1.63	0.014
TCDH001	260	261	1.1799999	110	46000	4.5999999	0.011
TCDH001	261	262	0.88	1380	66900	6.6900001	0.138
TCDH001	262	263	1.0599999	230	38800	3.8800001	0.023
TCDH001	263	264	0.43000001	270	67000	6.6999998	2.70E-02
TCDH001	264	265	0.27000001	230	57800	5.7800002	0.023
TCDH001	265	266	0.27000001	610	34700	3.47	6.10E-02
TCDH001	266	267	0.38	1640	20700	2.0699999	0.164
TCDH001	267	268	0.31999999	2300	20300	2.03	0.23
TCDH001	268	269	0.70999998	100	23100	2.3099999	1.00E-02
TCDH001	269	270	0.58999997	210	22500	2.25	0.021
TCDH001	270	271	1.34	100	20300	2.03	1.00E-02
TCDH001	271	272	0.70999998	500	14450	1.4450001	5.00E-02
TCDH001	272	273	0.31	110	18800	1.88	0.011
TCDH001	273	274	0.41999999	110	16600	1.66	0.011
TCDH001	274	275	0.25	70	17500	1.75	7.00E-03
TCDH001	275	276	0.28	140	18600	1.86	0.014
TCDH001	276	277	0.28	10100	33300	3.3299999	1.01
TCDH001	277	278	0.38	2160	21600	2.1600001	0.21600001
TCDH001	278	279	0.43000001	2280	15350	1.535	0.228
TCDH001	279	280	0.31	560	17900	1.79	5.60E-02
TCDH001	280	281	0.89999998	1700	17450	1.745	0.17
TCDH001	281	282	3.8199999	1390	30200	3.02	0.139
TCDH001	282	283	0.97000003	6880	24400	2.4400001	0.68800002
TCDH001	283	284	1.6799999	1940	11050	1.105	0.19400001
TCDH001	284	285	0.80000001	1660	18000	1.8	0.16599999
TCDH001	285	286	0.36000001	2050	13150	1.3150001	0.205
TCDH001	286	287	0.75999999	1280	11900	1.1900001	0.12800001
TCDH001	287	288	2.77	2190	7740	0.77399999	0.219
TCDH001	288	289	1.46	780	8060	0.80599999	7.80E-02
TCDH001	289	290	2.4300001	160	13400	1.34	1.60E-02
TCDH001	290	291	1.05	2150	11300	1.13	0.215
TCDH001	291	292	1	560	15100	1.51	5.60E-02
TCDH001	292	293	0.89999998	600	16500	1.65	6.00E-02
TCDH001	293	294	1.2	80	18650	1.865	8.00E-03
TCDH001	294	295	2.99	160	18550	1.855	1.60E-02
TCDH001	295	296	0.62	50	16950	1.6950001	5.00E-03
TCDH001	296	297	1.1900001	70	22700	2.27	7.00E-03
TCDH001	297	298	1	110	23200	2.3199999	0.011
TCDH001	298	299	0.75999999	100	25000	2.5	1.00E-02
TCDH001	299	300	0.25	210	32100	3.21	0.021
TCDH001	300	301	1.98	1940	80800	8.0799999	0.19400001
TCDH001	301	302	0.22	6230	78700	7.8699999	0.62300003
TCDH001	302	303	6.21	3950	53300	5.3299999	0.39500001
TCDH001	303	304	0.11	560	40700	4.0700002	5.60E-02
TCDH001	304	305	0.22	60	16800	1.6799999	6.00E-03
TCDH001	305	306	0.44999999	20	23000	2.3	2.00E-03
TCDH001	306	307	0.56999999	30	38900	3.8900001	0.003
TCDH001	307	308	0.2	600	46600	4.6599998	6.00E-02

TCDH001	308	309	0.22	150	37200	3.72	0.015
TCDH001	309	310	0.28	10	19200	1.92	0.001
TCDH001	310	311	0.23999999	10	21400	2.1400001	0.001
TCDH001	311	312	0.15000001	130	55500	5.5500002	0.013
TCDH001	312	314	8.00E-02	70	57300	5.73	7.00E-03
TCDH001	314	315	0.18000001	40	38200	3.8199999	4.00E-03
TCDH001	315	316	0.11	7000	25600	2.5599999	0.69999999
TCDH001	316	317	0.31999999	11700	35400	3.54	1.17
TCDH001	317	318	0.15000001	21400	44300	4.4299998	2.1400001
TCDH001	318	319	0.11	2860	56100	5.6100001	0.28600001
TCDH001	319	320	0.28	410	32500	3.25	4.10E-02
TCDH001	320	321	0.36000001	20	29100	2.9100001	2.00E-03
TCDH001	321	322	0.25	-10	17700	1.77	-0.001
TCDH001	322	323	0.22	10	11850	1.1849999	0.001
TCDH001	323	324	0.20999999	20	27700	2.77	2.00E-03
TCDH001	324	325	0.34999999	-10	18400	1.84	-0.001
TCDH001	325	326	0.31	630	36000	3.5999999	6.30E-02
TCDH001	326	327	0.13	110	16300	1.63	0.011
TCDH001	327	328	0.31999999	10	20400	2.04	0.001
TCDH001	328	329	0.28999999	170	35800	3.5799999	1.70E-02
TCDH001	329	330	0.28999999	1160	28700	2.8699999	0.116
TCDH001	330	331	0.18000001	26000	75300	7.5300002	2.5999999
TCDH001	331	332	0.18000001	8920	49000	4.9000001	0.89200002
TCDH001	332	333	0.15000001	330	31900	3.1900001	0.033
TCDH001	333	334	0.41999999	90	81800	8.1800003	9.00E-03
TCDH001	334	335	0.38999999	320	78100	7.8099999	3.20E-02
TCDH001	335	336	0.25	60	51800	5.1799998	6.00E-03
TCDH001	336	337	0.22	50	58100	5.8099999	5.00E-03
TCDH001	337	338	0.28	160	51400	5.1399999	1.60E-02
TCDH001	338	339	0.23999999	9000	62400	6.2399998	0.89999998
TCDH001	339	340	0.23999999	1080	41900	4.1900001	0.108
TCDH001	340	341	0.20999999	1740	45800	4.5799999	0.17399999
TCDH001	341	342	0.27000001	30	71000	7.0999999	0.003
TCDH001	342	343	0.20999999	60	50100	5.0100002	6.00E-03
TCDH001	343	344.29999	0.41	1200	61900	6.1900001	0.12
TCDH001	344.29999	345	0.25	110	38800	3.8800001	0.011
TCDH001	345	346	-1.00E-02	200	19550	1.955	0.02
TCDH001	346	347	0.28	80	23300	2.3299999	8.00E-03
TCDH001	347	348	1.22	380	82400	8.2399998	3.80E-02
TCDH001	348	349	0.27000001	100	48500	4.8499999	1.00E-02
TCDH001	349	350	0.66000003	440	20600	2.0599999	0.044
TCDH001	350	351	1.3200001	10	39900	3.99	0.001
TCDH001	351	352	0.81	20	68700	6.8699999	2.00E-03
TCDH001	352	353	3.2	60	39600	3.96	6.00E-03
TCDH001	353	354	5.48	990	26700	2.6700001	9.90E-02
TCDH001	354	355	1.9	270	27700	2.77	2.70E-02
TCDH001	355	356	0.34	20	20900	2.0899999	2.00E-03
TCDH001	356	357	0.2	20	28400	2.8399999	2.00E-03
TCDH001	357	358	0.63999999	30	22600	2.26	0.003
TCDH001	358	359	1.28	10	3610	0.361	0.001
TCDH001	359	360	0.5	10	46500	4.6500001	0.001
TCDH001	360	361	0.34	30	41400	4.1399999	0.003
TCDH001	361	362	0.18000001	920	44100	4.4099998	0.092
TCDH001	362	363	3.29	600	27600	2.76	6.00E-02
TCDH001	363	364	9.6000004	140	86500	8.6499996	0.014
TCDH001	364	365	0.34	50	30900	3.0899999	5.00E-03
TCDH001	365	366	2.4200001	40	36600	3.6600001	4.00E-03
TCDH001	366	367	0.89999998	20	49200	4.9200001	2.00E-03
TCDH001	367	368	0.34999999	70	51500	5.1500001	7.00E-03
TCDH001	368	369	0.20999999	50	26900	2.6900001	5.00E-03
TCDH001	369	370	0.20999999	-10	58100	5.8099999	-0.001
TCDH001	370	371	0.31	-10	42200	4.2199998	-0.001
TCDH001	371	372	0.20999999	-10	62600	6.2600002	-0.001

TCDH001	372	373	0.18000001	30	35200	3.52	0.003
TCDH001	373	374	0.20999999	30	21100	2.1099999	0.003
TCDH001	374	375	0.25	20	58700	5.8699999	2.00E-03
TCDH001	375	377	0.49000001	11650	84500	8.4499998	1.165
TCDH001	377	380	1.05	5380	69200	6.9200001	0.53799999
TCDH001	380	383	1.42	13550	76600	7.6599998	1.355
TCDH001	383	386	8.4200001	2320	12000	1.2	0.23199999
TCDH001	386	387.20001	6.6500001	70	180	1.80E-02	7.00E-03
TCDH001	387.20001	389	7.9099998	40	120	0.012	4.00E-03
TCDH002	0	2	3.00E-02	70	400	4.00E-02	7.00E-03
TCDH002	2	3.5	3.00E-02	150	490	4.90E-02	0.015
TCDH002	3.5	5	3.00E-02	1100	970	9.70E-02	0.11
TCDH002	5	6	3.00E-02	500	990	9.90E-02	5.00E-02
TCDH002	6	7	3.00E-02	420	880	0.088	4.20E-02
TCDH002	7	8	3.00E-02	470	760	7.60E-02	4.70E-02
TCDH002	8	9	3.00E-02	510	740	7.40E-02	5.10E-02
TCDH002	9	10	1.00E-02	420	540	5.40E-02	4.20E-02
TCDH002	10	11	3.00E-02	550	440	0.044	0.055
TCDH002	11	12	3.00E-02	250	410	4.10E-02	0.025
TCDH002	12	13	3.00E-02	350	580	5.80E-02	0.035
TCDH002	13	14	1.00E-02	380	490	4.90E-02	3.80E-02
TCDH002	14	15	3.00E-02	1220	1660	0.16599999	0.122
TCDH002	15	16	3.00E-02	1410	2020	0.20200001	0.141
TCDH002	16	17	4.00E-02	740	2810	0.28099999	7.40E-02
TCDH002	17	18	3.00E-02	1660	2370	0.237	0.16599999
TCDH002	18	19	4.00E-02	2360	2390	0.23899999	0.236
TCDH002	19	20	1.00E-02	13050	4930	0.493	1.3049999
TCDH002	20	21	4.00E-02	7140	4270	0.42699999	0.71399999
TCDH002	21	22	3.00E-02	6450	2800	0.28	0.64499998
TCDH002	22	23	3.00E-02	15650	8070	0.80699998	1.5650001
TCDH002	23	24	4.00E-02	490	900	9.00E-02	4.90E-02
TCDH002	24	25	4.00E-02	130	240	0.024	0.013
TCDH002	25	26	4.00E-02	1100	900	9.00E-02	0.11
TCDH002	26	27	3.00E-02	4010	2230	0.223	0.40099999
TCDH002	27	28	-1.00E-02	14650	6180	0.61799997	1.465
TCDH002	28	29	3.00E-02	7110	6390	0.639	0.71100003
TCDH002	29	30	1.00E-02	15900	9940	0.99400002	1.59
TCDH002	30	31	1.00E-02	16800	8790	0.87900001	1.6799999
TCDH002	31	32	3.00E-02	10150	6810	0.68099999	1.015
TCDH002	32	33	4.00E-02	7800	5240	0.52399999	0.77999997
TCDH002	33	34	3.00E-02	10250	5460	0.546	1.025
TCDH002	34	35	6.00E-02	4750	3360	0.336	0.47499999
TCDH002	35	36	1.00E-02	5290	1860	0.186	0.52899998
TCDH002	36	37	1.00E-02	3070	2570	0.257	0.30700001
TCDH002	37	38	3.00E-02	1280	2210	0.221	0.12800001
TCDH002	38	39	4.00E-02	3820	40900	4.0900002	0.382
TCDH002	39	40	1.00E-02	5540	104500	10.45	0.55400002
TCDH002	40	41	4.00E-02	370	27400	2.74	0.037
TCDH002	41	42	3.00E-02	1270	44900	4.4899998	0.127
TCDH002	42	43	1.00E-02	8830	89700	8.9700003	0.88300002
TCDH002	43	44	-1.00E-02	8330	93400	9.3400002	0.833
TCDH002	44	45	-1.00E-02	21500	165500	16.549999	2.1500001
TCDH002	45	46	1.00E-02	2810	64800	6.48	0.28099999
TCDH002	46	47	3.00E-02	1880	74500	7.4499998	0.18799999
TCDH002	47	48.400002	4.00E-02	2150	135000	13.5	0.215
TCDH002	48.400002	49.799999	1.00E-02	10250	109000	10.9	1.025
TCDH002	49.799999	51	1.00E-02	4990	85000	8.5	0.49900001
TCDH002	51	52.099998	1.00E-02	6440	85500	8.5500002	0.64399999
TCDH002	52.099998	53	-1.00E-02	9640	121000	12.1	0.96399999
TCDH002	53	54.400002	3.00E-02	2220	156000	15.6	0.222
TCDH002	54.400002	56	3.00E-02	1230	39600	3.96	0.123
TCDH002	56	57.5	4.00E-02	4350	111500	11.15	0.435
TCDH002	57.5	59	1.00E-02	12950	352000	35.200001	1.295

TCDH002	59	60.400002	-1.00E-02	22200	102000	10.2	2.22
TCDH002	60.400002	61.200001	-1.00E-02	15000	114500	11.45	1.5
TCDH002	61.200001	62	0.07	5770	38800	3.8800001	0.57700002
TCDH002	62	62.900002	0.28	2630	5690	0.56900001	0.26300001
TCDH002	62.900002	63.799999	0.25	790	3590	0.359	7.90E-02
TCDH002	63.799999	64.699997	0.1	1660	15750	1.575	0.16599999
TCDH002	64.699997	65.5	0.1	2420	24200	2.4200001	0.242
TCDH002	65.5	66.800003	3.00E-02	6700	117500	11.75	0.67000002
TCDH002	66.800003	68	3.00E-02	2350	238000	23.799999	0.235
TCDH002	68	71	0.11	4110	26800	2.6800001	0.41100001
TCDH002	71	72.5	0.17	1190	8870	0.88700002	0.119
TCDH002	72.5	74	0.20999999	560	6090	0.60900003	5.60E-02
TCDH002	74	75	0.14	2990	34300	3.4300001	0.29899999
TCDH002	75	76	0.23999999	840	5220	0.52200001	8.40E-02
TCDH002	76	77.599998	3.00E-02	12700	54500	5.4499998	1.27
TCDH002	77.599998	78.5	4.00E-02	3530	68800	6.8800001	0.35299999
TCDH002	78.5	79.300003	3.00E-02	620	38800	3.8800001	6.20E-02
TCDH002	79.300003	80.699997	0.92000002	520	18200	1.8200001	5.20E-02
TCDH002	80.699997	82	2.4100001	190	12400	1.24	1.90E-02
TCDH003	34.5	36	0.11	280	840	8.40E-02	2.80E-02
TCDH003	36	38	8.00E-02	230	700	0.07	0.023
TCDH003	38	40	0.07	500	760	7.60E-02	5.00E-02
TCDH003	40	41	4.00E-02	3340	1320	0.132	0.33399999
TCDH003	41	42	1.00E-02	4210	1840	0.184	0.421
TCDH003	42	43	-1.00E-02	31800	15000	1.5	3.1800001
TCDH003	43	44	-1.00E-02	10500	18150	1.8150001	1.05
TCDH003	44	45	-1.00E-02	23400	22400	2.24	2.3399999
TCDH003	45	46	-1.00E-02	30500	15500	1.55	3.05
TCDH003	46	47	1.00E-02	10800	36500	3.6500001	1.08
TCDH003	47	48	3.00E-02	220	72500	7.25	0.022
TCDH003	48	49	3.00E-02	240	115000	11.5	0.024
TCDH003	49	50	3.00E-02	360	95000	9.5	3.60E-02
TCDH003	50	51	0.07	260	83000	8.3000002	2.60E-02
TCDH003	51	52	3.00E-02	600	61500	6.1500001	6.00E-02
TCDH003	52	53	8.00E-02	570	58200	5.8200002	0.057
TCDH003	53	54	6.00E-02	840	29600	2.96	8.40E-02
TCDH003	54	55	4.00E-02	160	22800	2.28	1.60E-02
TCDH003	55	56	4.00E-02	230	27700	2.77	0.023
TCDH003	56	57	4.00E-02	260	24100	2.4100001	2.60E-02
TCDH003	57	58	1.00E-02	460	87600	8.7600002	0.046
TCDH003	58	59	4.00E-02	900	97500	9.75	9.00E-02
TCDH003	59	60	4.00E-02	150	28300	2.8299999	0.015
TCDH003	60	61	4.00E-02	160	38700	3.8699999	1.60E-02
TCDH003	61	62	6.00E-02	130	24500	2.45	0.013
TCDH003	62	63	4.00E-02	100	13650	1.365	1.00E-02
TCDH003	63	64	6.00E-02	80	18800	1.88	8.00E-03
TCDH003	64	65	6.00E-02	70	34700	3.47	7.00E-03
TCDH003	65	66	4.00E-02	40	5000	0.5	4.00E-03
TCDH003	66	67	6.00E-02	90	11700	1.17	9.00E-03
TCDH003	67	68	6.00E-02	80	22300	2.23	8.00E-03
TCDH003	68	69	4.00E-02	60	10700	1.0700001	6.00E-03
TCDH003	69	70	4.00E-02	60	24900	2.49	6.00E-03
TCDH003	70	71	4.00E-02	240	38400	3.8399999	0.024
TCDH003	71	72	3.00E-02	190	34300	3.4300001	1.90E-02
TCDH003	72	73	-1.00E-02	90	37500	3.75	9.00E-03
TCDH003	73	74	1.00E-02	100	64900	6.4899998	1.00E-02
TCDH003	74	75	3.00E-02	120	45500	4.5500002	0.012
TCDH003	75	76	4.00E-02	70	71700	7.1700001	7.00E-03
TCDH003	76	77	4.00E-02	40	74200	7.4200001	4.00E-03
TCDH003	77	78	3.00E-02	70	57500	5.75	7.00E-03
TCDH003	78	79	3.00E-02	110	74000	7.4000001	0.011
TCDH003	79	80	1.00E-02	30	130000	13	0.003
TCDH003	80	81	1.00E-02	100	126500	12.65	1.00E-02

TCDH003	81	82	3.00E-02	100	90800	9.0799999	1.00E-02
TCDH003	82	83	3.00E-02	180	62100	6.21	1.80E-02
TCDH003	83	84	3.00E-02	140	52900	5.29	0.014
TCDH003	84	85	3.00E-02	200	60300	6.0300002	0.02
TCDH003	85	86	3.00E-02	150	71200	7.1199999	0.015
TCDH003	86	87	3.00E-02	180	49500	4.9499998	1.80E-02
TCDH003	87	88	1.00E-02	100	50100	5.0100002	1.00E-02
TCDH003	88	89	0.1	290	75900	7.5900002	2.90E-02
TCDH003	89	90.300003	0.07	1080	117500	11.75	0.108
TCDH003	90.300003	91	0.07	510	28200	2.8199999	5.10E-02
TCDH003	91	92	3.00E-02	1040	4950	0.495	0.104
TCDH003	92	93	4.00E-02	620	4400	0.44	6.20E-02
TCDH003	93	94	2.8	1900	1380	0.138	0.19
TCDH003	94	95	10.45	330	120	0.012	0.033
TCDH003	95	96	5.6500001	200	130	0.013	0.02
TCDH003	96	97	0.38	260	540	5.40E-02	2.60E-02
TCDH003	97	98	0.17	800	4170	0.417	8.00E-02
TCDH003	98	99	0.07	4350	7020	0.70200002	0.435
TCDH003	99	100	0.14	1570	6050	0.60500002	0.15700001
TCDH003	100	101	0.07	1560	7220	0.722	0.156
TCDH003	101	101.9	8.00E-02	1530	6240	0.62400001	0.153
TCDH003	101.9	102.8	0.07	2070	12950	1.295	0.207
TCDH003	102.8	104.8	0.07	360	6810	0.68099999	3.60E-02
TCDH003	104.8	106.8	6.00E-02	770	2450	0.245	0.077
TCDH003	106.8	109.7	6.00E-02	290	1380	0.138	2.90E-02
TCDH003	109.7	111.7	6.00E-02	350	9010	0.90100002	0.035
TCDH003	111.7	113	0.07	370	1260	0.126	0.037
TCDH003	113	115	0.07	440	1810	0.18099999	0.044
TCDH003	115	117	0.07	1370	5600	0.56	0.13699999
TCDH003	117	119	0.07	140	1380	0.138	0.014
TCDH003	119	121	0.07	120	1080	0.108	0.012
TCDH003	121	123	8.00E-02	110	1060	0.106	0.011
TCDH003	123	124.6	8.00E-02	100	950	9.50E-02	1.00E-02
TCDH004	38.099998	40	6.00E-02	90	410	4.10E-02	9.00E-03
TCDH004	40	42	6.00E-02	90	370	0.037	9.00E-03
TCDH004	42	44	0.07	130	440	0.044	0.013
TCDH004	44	46	0.07	160	410	4.10E-02	1.60E-02
TCDH004	46	48	0.07	350	540	5.40E-02	0.035
TCDH004	48	49	6.00E-02	1640	1040	0.104	0.164
TCDH004	49	50	1.00E-02	22000	4210	0.421	2.2
TCDH004	50	51	3.00E-02	870	12850	1.285	8.70E-02
TCDH004	51	52	3.00E-02	1400	25400	2.54	0.14
TCDH004	52	53	1.00E-02	8770	50600	5.0599999	0.87699997
TCDH004	53	54	-1.00E-02	14600	280000	28	1.46
TCDH004	54	54.599998	3.00E-02	2350	87100	8.71	0.235
TCDH004	54.599998	56	3.00E-02	910	108000	10.8	9.10E-02
TCDH004	56	57	3.00E-02	610	39900	3.99	6.10E-02
TCDH004	57	58.099998	1.00E-02	2420	33600	3.3599999	0.242
TCDH004	58.099998	59	1.00E-02	990	51300	5.1300001	9.90E-02
TCDH004	59	59.799999	1.00E-02	220	29500	2.95	0.022
TCDH004	59.799999	60.799999	3.00E-02	2080	119000	11.9	0.208
TCDH004	60.799999	61.799999	3.00E-02	1610	75500	7.5500002	0.161
TCDH004	61.799999	62.799999	4.00E-02	1440	2500	0.25	0.14399999
TCDH004	62.799999	63.799999	0.23999999	350	4250	0.42500001	0.035
TCDH004	63.799999	65.800003	0.23999999	240	1580	0.15800001	0.024
TCDH004	65.800003	67.5	0.25	150	1100	0.11	0.015
TCDH004	67.5	68.599998	0.88	70	230	0.023	7.00E-03
TCDH004	68.599998	69.5	7.23	40	120	0.012	4.00E-03
TCDH004	69.5	70.5	8.2399998	60	130	0.013	6.00E-03
TCDH004	70.5	72	2.3900001	90	80	8.00E-03	9.00E-03
TCDH004	72	73.5	1.2	100	90	9.00E-03	1.00E-02
TCDH004	73.5	75.199997	2.5999999	80	70	7.00E-03	8.00E-03
TCDH004	75.199997	77	2.0999999	50	60	6.00E-03	5.00E-03

TCDH004	77	78.5	0.36000001	70	90	9.00E-03	7.00E-03
TCDH004	78.5	80	0.34	50	90	9.00E-03	5.00E-03
TCDH004	80	81.5	0.43000001	40	130	0.013	4.00E-03
TCDH004	81.5	83	0.41999999	50	200	0.02	5.00E-03
TCDH004	83	84.5	0.41999999	40	140	0.014	4.00E-03
TCDH004	84.5	86	0.18000001	80	750	7.50E-02	8.00E-03
TCDH004	86	87.5	0.17	60	350	0.035	6.00E-03
TCDH004	87.5	89	0.13	40	310	3.10E-02	4.00E-03
TCDH005	0	2	6.00E-02	640	790	7.90E-02	6.40E-02
TCDH005	2	5	3.00E-02	810	1280	0.12800001	0.081
TCDH005	5	7	6.00E-02	70	500	5.00E-02	7.00E-03
TCDH005	7	9	4.00E-02	130	750	7.50E-02	0.013
TCDH005	9	11	6.00E-02	150	1100	0.11	0.015
TCDH005	11	12	6.00E-02	100	860	8.60E-02	1.00E-02
TCDH005	12	13	4.00E-02	80	17500	1.75	8.00E-03
TCDH005	13	14	6.00E-02	20	26400	2.6400001	2.00E-03
TCDH005	14	15	6.00E-02	10	38400	3.8399999	0.001
TCDH005	15	16	4.00E-02	10	79400	7.9400001	0.001
TCDH005	16	17	4.00E-02	10	49000	4.9000001	0.001
TCDH005	17	18	4.00E-02	50	49400	4.9400001	5.00E-03
TCDH005	18	19	0.07	30	29200	2.9200001	0.003
TCDH005	19	20	4.00E-02	10	740	7.40E-02	0.001
TCDH005	20	21	6.00E-02	20	1240	0.124	2.00E-03
TCDH005	21	22	4.00E-02	-10	490	4.90E-02	-0.001
TCDH005	22	23	4.00E-02	100	720	7.20E-02	1.00E-02
TCDH005	23	24	0.07	40	1190	0.119	4.00E-03
TCDH005	24	25	4.00E-02	30	1440	0.14399999	0.003
TCDH005	25	26	0.07	30	1140	0.114	0.003
TCDH005	26	27	4.00E-02	30	2230	0.223	0.003
TCDH005	27	28	6.00E-02	20	1010	0.101	2.00E-03
TCDH005	28	29	6.00E-02	20	20400	2.04	2.00E-03
TCDH005	29	30	6.00E-02	30	17900	1.79	0.003
TCDH005	30	31	0.36000001	60	2930	0.29300001	6.00E-03
TCDH005	31	32	0.07	50	12450	1.245	5.00E-03
TCDH005	32	33	0.07	40	66400	6.6399999	4.00E-03
TCDH005	33	34	6.00E-02	140	55600	5.5599999	0.014
TCDH005	34	35	3.00E-02	30	47800	4.7800002	0.003
TCDH005	35	36	3.00E-02	30	10500	1.05	0.003
TCDH005	36	37	4.00E-02	100	45300	4.5300002	1.00E-02
TCDH005	37	38	3.00E-02	-10	103000	10.3	-0.001
TCDH005	38	39	3.00E-02	40	54800	5.48	4.00E-03
TCDH005	39	40	4.00E-02	20	31000	3.0999999	2.00E-03
TCDH005	40	41	4.00E-02	20	11550	1.155	2.00E-03
TCDH005	41	42	3.00E-02	30	18500	1.85	0.003
TCDH005	42	43	3.00E-02	-10	9290	0.92900002	-0.001
TCDH005	43	44	3.00E-02	10	24100	2.4100001	0.001
TCDH005	44	45	4.00E-02	10	7040	0.704	0.001
TCDH005	45	46	3.00E-02	20	43800	4.3800001	2.00E-03
TCDH005	46	47	1.00E-02	10	51400	5.1399999	0.001
TCDH005	47	48	-1.00E-02	20	41000	4.0999999	2.00E-03
TCDH005	48	49	1.00E-02	1840	11800	1.1799999	0.184
TCDH005	49	50	1.00E-02	30	930	9.30E-02	0.003
TCDH005	50	51	-1.00E-02	610	27300	2.73	6.10E-02
TCDH005	51	52	1.00E-02	250	99900	9.9899998	0.025
TCDH005	52	53	-1.00E-02	160	119000	11.9	1.60E-02
TCDH005	53	54	-1.00E-02	150	115000	11.5	0.015
TCDH005	54	55	1.00E-02	60	93000	9.3000002	6.00E-03
TCDH005	55	56	1.00E-02	160	90000	9	1.60E-02
TCDH005	56	57	-1.00E-02	80	40300	4.0300002	8.00E-03
TCDH005	57	58	-1.00E-02	30	39400	3.9400001	0.003
TCDH005	58	59	-1.00E-02	30	18850	1.885	0.003
TCDH005	59	60	1.00E-02	150	23100	2.3099999	0.015
TCDH005	60	62	-1.00E-02	70	5020	0.50199997	7.00E-03

TCDH005	62	64	-1.00E-02	90	1220	0.122	9.00E-03
TCDH005	64	66	1.00E-02	160	850	8.50E-02	1.60E-02
TCDH005	66	68	1.00E-02	250	2170	0.21699999	0.025
TCDH005	68	71	1.00E-02	220	760	7.60E-02	0.022
TCDH005	71	74	1.00E-02	1370	11550	1.155	0.13699999
TCDH005	74	76	-1.00E-02	1560	5070	0.50700003	0.156
TCDH005	76	78	-1.00E-02	1010	2440	0.244	0.101
TCDH005	78	80	1.00E-02	360	2530	0.25299999	3.60E-02
TCDH005	80	82	-1.00E-02	280	1680	0.168	2.80E-02
TCDH005	82	84	1.00E-02	790	3520	0.352	7.90E-02
TCDH005	84	86	-1.00E-02	640	2520	0.252	6.40E-02
TCDH005	86	87	-1.00E-02	680	2280	0.228	6.80E-02
TCDH005	87	88	1.00E-02	870	3790	0.37900001	8.70E-02
TCDH005	88	89	-1.00E-02	1060	5680	0.56800002	0.106
TCDH005	89	91	1.00E-02	590	5480	0.54799998	0.059
TCDH005	91	92	1.00E-02	380	10400	1.04	3.80E-02
TCDH005	92	94	-1.00E-02	1300	12800	1.28	0.13
TCDH005	94	95	1.00E-02	3600	18200	1.8200001	0.36000001
TCDH005	95	96	1.00E-02	760	3930	0.39300001	7.60E-02
TCDH005	96	97	1.00E-02	120	4400	0.44	0.012
TCDH005	97	98	1.00E-02	140	3810	0.38100001	0.014
TCDH005	98	99	3.00E-02	2140	17600	1.76	0.214
TCDH005	99	100	1.00E-02	230	34300	3.4300001	0.023
TCDH005	100	101	-1.00E-02	140	12400	1.24	0.014
TCDH005	101	102	-1.00E-02	2400	23900	2.3900001	0.23999999
TCDH005	102	103	-1.00E-02	1460	15300	1.53	0.146
TCDH005	103	104	-1.00E-02	120	35900	3.5899999	0.012
TCDH005	104	105	-1.00E-02	100	12400	1.24	1.00E-02
TCDH005	105	106	-1.00E-02	100	10400	1.04	1.00E-02
TCDH005	106	107	-1.00E-02	120	21800	2.1800001	0.012
TCDH005	107	108	-1.00E-02	120	36700	3.6700001	0.012
TCDH005	108	109	-1.00E-02	120	42800	4.2800002	0.012
TCDH005	109	110	-1.00E-02	250	32200	3.22	0.025
TCDH005	110	111	-1.00E-02	110	33100	3.3099999	0.011
TCDH005	111	112	-1.00E-02	130	88400	8.8400002	0.013
TCDH005	112	113	1.00E-02	90	1020	0.102	9.00E-03
TCDH005	113	115	-1.00E-02	110	1250	0.125	0.011
TCDH005	115	116	-1.00E-02	140	850	8.50E-02	0.014
TCDH005	116	117	-1.00E-02	190	29300	2.9300001	1.90E-02
TCDH005	117	118	-1.00E-02	130	25400	2.54	0.013
TCDH005	118	119	-1.00E-02	570	61600	6.1599998	0.057
TCDH005	119	120	-1.00E-02	520	53800	5.3800001	5.20E-02
TCDH005	120	121	-1.00E-02	170	13550	1.355	1.70E-02
TCDH005	121	122	1.00E-02	110	3230	0.32300001	0.011
TCDH005	122	123	-1.00E-02	470	47500	4.75	4.70E-02
TCDH005	123	125	-1.00E-02	210	19450	1.9450001	0.021
TCDH005	125	126	-1.00E-02	240	24300	2.4300001	0.024
TCDH005	126	127	-1.00E-02	550	19000	1.9	0.055
TCDH005	127	128	-1.00E-02	450	31800	3.1800001	4.50E-02
TCDH005	128	129	-1.00E-02	1030	44100	4.4099998	0.103
TCDH005	129	131	-1.00E-02	460	45600	4.5599999	0.046
TCDH005	131	134	-1.00E-02	2750	8780	0.87800002	0.27500001
TCDH005	134	137	-1.00E-02	1590	3470	0.347	0.15899999
TCDH005	137	140	-1.00E-02	2310	4350	0.435	0.23100001
TCDH005	140	142	-1.00E-02	5970	12950	1.295	0.597
TCDH005	142	143	-1.00E-02	6070	11000	1.1	0.60699999
TCDH005	143	145	-1.00E-02	3480	10800	1.08	0.34799999
TCDH005	145	147	-1.00E-02	3540	15850	1.585	0.354
TCDH005	147	149	-1.00E-02	3320	15150	1.515	0.33199999
TCDH005	149	152	-1.00E-02	3530	10150	1.015	0.35299999
TCDH005	152	154	-1.00E-02	3470	10100	1.01	0.347
TCDH005	154	155	-1.00E-02	2330	6040	0.60399997	0.233
TCDH005	155	158	-1.00E-02	1470	13000	1.3	0.147

TCDH005	158	161	-1.00E-02	1110	6590	0.65899998	0.111
TCDH005	161	162	-1.00E-02	5630	18500	1.85	0.56300002
TCDH005	162	164	-1.00E-02	6220	34400	3.4400001	0.62199998
TCDH005	164	167	3.00E-02	6300	40400	4.04	0.63
TCDH005	167	170	-1.00E-02	8490	40400	4.04	0.84899998
TCDH005	170	173	-1.00E-02	6040	18550	1.855	0.60399997
TCDH005	173	175	-1.00E-02	5660	15450	1.545	0.56599998
TCDH005	175	177	-1.00E-02	5390	28300	2.8299999	0.53899997
TCDH005	177	179	-1.00E-02	2850	17950	1.795	0.285
TCDH005	179	182	-1.00E-02	4760	19800	1.98	0.47600001
TCDH005	182	185	-1.00E-02	1790	5970	0.597	0.17900001
TCDH005	185	186	-1.00E-02	8230	37300	3.73	0.82300001
TCDH005	192	194	0.25	80	13150	1.3150001	8.00E-03
TCDH005	194	196	0.28999999	140	17650	1.765	0.014
TCDH005	196	198	0.20999999	1020	22400	2.24	0.102
TFRC001	0	1	-5.00E-02	650	54100	5.4099998	6.50E-02
TFRC001	1	2					
TFRC001	2	6	-5.00E-02	170	3900	0.38999999	1.70E-02
TFRC001	6	9	-5.00E-02	50	1800	0.18000001	5.00E-03
TFRC001	9	10	-5.00E-02	20	32800	3.28	2.00E-03
TFRC001	10	12	-5.00E-02	110	8600	0.86000001	0.011
TFRC001	12	16	-5.00E-02	160	3100	0.31	1.60E-02
TFRC001	16	17	-5.00E-02	80	59100	5.9099998	8.00E-03
TFRC001	17	18	-5.00E-02	20	50600	5.0599999	2.00E-03
TFRC001	18	19	-5.00E-02	90	17700	1.77	9.00E-03
TFRC001	19	20	-5.00E-02	120	21300	2.1300001	0.012
TFRC001	20	21	-5.00E-02	250	52500	5.25	0.025
TFRC001	21	23	-5.00E-02	420	25200	2.52	4.20E-02
TFRC001	23	25	5.00E-02	1960	68600	6.8600001	0.19599999
TFRC001	25	27	-5.00E-02	5560	82900	8.29	0.55599999
TFRC001	27	29	-5.00E-02	4010	78700	7.8699999	0.40099999
TFRC001	29	31	-5.00E-02	8420	71700	7.1700001	0.84200001
TFRC001	31	33	-5.00E-02	1460	8200	0.81999999	0.146
TFRC001	33	35	-5.00E-02	640	4600	0.46000001	6.40E-02
TFRC001	35	37	-5.00E-02	1780	13600	1.36	0.178
TFRC001	37	39	-5.00E-02	1390	12200	1.22	0.139
TFRC001	39	41	-5.00E-02	3180	4900	0.49000001	0.31799999
TFRC001	41	45	0.1	3090	2300	0.23	0.30899999
TFRC001	45	48	0.13	2920	1100	0.11	0.292
TFRC001	48	50	0.18000001	2720	800	8.00E-02	0.27200001
TFRC002	0	1	-5.00E-02	1180	124000	12.4	0.118
TFRC002	1	2	-5.00E-02	1220	66300	6.6300001	0.122
TFRC002	2	3	-5.00E-02	3830	180500	18.049999	0.38299999
TFRC002	3	4	5.00E-02	4440	114000	11.4	0.44400001
TFRC002	4	5	9.00E-02	3990	86500	8.6499996	0.39899999
TFRC002	5	6	-5.00E-02	4280	60100	6.0100002	0.428
TFRC002	6	7	-5.00E-02	2640	72200	7.2199998	0.264
TFRC002	7	8	-5.00E-02	1260	64600	6.46	0.126
TFRC002	8	9	-5.00E-02	1660	96300	9.6300001	0.16599999
TFRC002	9	10	-5.00E-02	1510	104500	10.45	0.15099999
TFRC002	10	11	-5.00E-02	1450	78500	7.8499999	0.145
TFRC002	11	12	-5.00E-02	560	83600	8.3599997	5.60E-02
TFRC002	12	13	-5.00E-02	1140	105000	10.5	0.114
TFRC002	13	14	-5.00E-02	580	129500	12.95	5.80E-02
TFRC002	14	15	-5.00E-02	2910	131000	13.1	0.29100001
TFRC002	15	16	-5.00E-02	1050	160000	16	0.105
TFRC002	16	17	-5.00E-02	880	105500	10.55	0.088
TFRC002	17	18	5.00E-02	680	88400	8.8400002	6.80E-02
TFRC002	18	19	-5.00E-02	3940	106000	10.6	0.39399999
TFRC002	19	20	-5.00E-02	6150	189500	18.950001	0.61500001
TFRC002	20	21	-5.00E-02	3010	119000	11.9	0.301
TFRC002	21	22	-5.00E-02	590	68100	6.8099999	0.059
TFRC002	22	23	-5.00E-02	2070	74700	7.4699998	0.207

TFRC002	23	24	-5.00E-02	3520	66500	6.6500001	0.352
TFRC002	24	25	-5.00E-02	11500	58900	5.8899999	1.15
TFRC002	25	26	-5.00E-02	14150	56000	5.5999999	1.415
TFRC002	26	27	-5.00E-02	5030	62800	6.2800002	0.50300002
TFRC002	27	28	5.00E-02	6400	109000	10.9	0.63999999
TFRC002	28	29	-5.00E-02	770	31400	3.1400001	0.077
TFRC002	29	30	-5.00E-02	520	31900	3.1900001	5.20E-02
TFRC002	30	31	-5.00E-02	630	38600	3.8599999	6.30E-02
TFRC002	31	32	-5.00E-02	1890	65300	6.5300002	0.189
TFRC002	32	33	-5.00E-02	1450	44900	4.4899998	0.145
TFRC002	33	34	-5.00E-02	1120	27300	2.73	0.112
TFRC002	34	35	-5.00E-02	11850	55800	5.5799999	1.1849999
TFRC002	35	36	-5.00E-02	10850	42100	4.21	1.085
TFRC002	36	37	-5.00E-02	9590	78300	7.8299999	0.95899999
TFRC002	37	38	-5.00E-02	6760	51400	5.1399999	0.676
TFRC002	38	39	-5.00E-02	4790	50100	5.0100002	0.479
TFRC002	39	40	-5.00E-02	3120	31500	3.1500001	0.31200001
TFRC002	40	42	-5.00E-02	3960	71000	7.0999999	0.396
TFRC002	42	44	-5.00E-02	1220	29200	2.9200001	0.122
TFRC002	44	46	-5.00E-02	4760	39500	3.95	0.47600001
TFRC002	46	48	-5.00E-02	980	27400	2.74	9.80E-02
TFRC002	48	49	-5.00E-02	1590	51000	5.0999999	0.15899999
TFRC002	49	50	5.00E-02	1150	73000	7.3000002	0.115
TFRC002	50	51	-5.00E-02	300	39700	3.97	3.00E-02
TFRC002	51	54	-5.00E-02	180	19500	1.95	1.80E-02
TFRC002	54	56	0.41999999	950	16700	1.67	9.50E-02
TFRC002	56	57	0.2	1310	54600	5.46	0.131
TFRC002	57	58	0.38999999	1390	37500	3.75	0.139
TFRC002	58	59	0.11	160	26400	2.6400001	1.60E-02
TFRC002	59	60	0.15000001	290	33200	3.3199999	2.90E-02
TFRC002	60	61	0.13	560	52500	5.25	5.60E-02
TFRC002	61	63	6.00E-02	190	63200	6.3200002	1.90E-02
TFRC002	63	65	6.00E-02	140	49000	4.9000001	0.014
TFRC002	65	67	0.20999999	290	23100	2.3099999	2.90E-02
TFRC003	1	5	-5.00E-02	60	2000	0.2	6.00E-03
TFRC003	5	7	-5.00E-02	10	2700	0.27000001	0.001
TFRC003	7	9	6.00E-02	20	3500	0.34999999	2.00E-03
TFRC003	9	13	-5.00E-02	20	2700	0.27000001	2.00E-03
TFRC003	13	17	3.95	20	1800	0.18000001	2.00E-03
TFRC003	17	21	1.61	10	2200	0.22	0.001
TFRC003	21	25	8.00E-02	210	3100	0.31	0.021
TFRC003	25	29	0.20999999	210	1600	0.16	0.021
TFRC003	29	33	0.20999999	200	1600	0.16	0.02
TFRC003	33	37	0.22	260	1900	0.19	2.60E-02
TFRC003	37	41	0.23999999	770	5300	0.52999997	0.077
TFRC003	41	45	0.27000001	150	3700	0.37	0.015
TFRC003	45	48	1.83	80	800	8.00E-02	8.00E-03
TFRC003	48	50	3.78	20	100	1.00E-02	2.00E-03
TFRC004	0	4	0.28	360	2100	0.20999999	3.60E-02
TFRC004	4	8	-5.00E-02	50	2600	0.25999999	5.00E-03
TFRC004	8	12	-5.00E-02	20	2700	0.27000001	2.00E-03
TFRC004	12	14	-5.00E-02	330	8400	0.83999997	0.033
TFRC004	14	15	0.07	1100	30700	3.0699999	0.11
TFRC004	15	16	5.00E-02	1660	96300	9.6300001	0.16599999
TFRC004	16	17	1.0700001	920	85600.008	8.5600004	0.092
TFRC004	17	21	3.8099999	690	24700	2.47	6.90E-02
TFRC004	21	23	0.75	2450	25000	2.5	0.245
TFRC004	23	25	9.00E-02	1970	48600	4.8600001	0.197
TFRC004	25	26	8.00E-02	4930	37700	3.77	0.493
TFRC004	26	27	0.12	4080	39200	3.9200001	0.40799999
TFRC004	27	28	0.1	3520	49600	4.96	0.352
TFRC004	28	29	8.00E-02	8210	60400	6.04	0.82099998
TFRC004	29	30	5.00E-02	7970	30700	3.0699999	0.79699999

TFRC004	30	31	5.00E-02	8330	15800	1.58	0.833
TFRC004	31	32	0.07	4710	26700	2.6700001	0.47099999
TFRC004	32	33	9.00E-02	5680	42000	4.1999998	0.56800002
TFRC004	33	34	9.00E-02	11300	40200	4.02	1.13
TFRC004	34	35	0.13	3300	55300	5.5300002	0.33000001
TFRC004	35	36	0.11	6400	33000	3.3	0.63999999
TFRC004	36	37	0.11	5860	27400	2.74	0.58600003
TFRC004	37	38	0.12	8470	66400	6.6399999	0.847
TFRC004	38	39	0.70999998	6530	37100	3.71	0.653
TFRC004	39	40	0.54000002	6890	28900	2.8900001	0.68900001
TFRC004	40	41	0.98000002	3620	75800	7.5799999	0.36199999
TFRC004	41	42	0.17	3770	135000	13.5	0.377
TFRC004	42	43	0.13	1170	27600	2.76	0.117
TFRC004	43	44	0.18000001	1000	15400	1.54	0.1
TFRC004	44	45	8.00E-02	810	58400	5.8400002	0.081
TFRC004	45	46	0.07	5620	90000	9	0.56199998
TFRC004	46	47	0.22	3950	60400	6.04	0.39500001
TFRC004	47	48	4.8299999	930	17700	1.77	9.30E-02
TFRC004	48	50	5.8699999	950	22600	2.26	9.50E-02
TFRC004	50	52	1.42	650	19400	1.9400001	6.50E-02
TFRC004	52	54	1.62	630	32900	3.29	6.30E-02
TFRC004	54	56	0.64999998	460	24200	2.4200001	0.046
TFRC004	56	58	6.0799999	110	4300	0.43000001	0.011
TFRC005	0	4	0.49000001	290	2100	0.20999999	2.90E-02
TFRC005	4	8	8.00E-02	80	1400	0.14	8.00E-03
TFRC005	8	12	5.00E-02	100	1200	0.12	1.00E-02
TFRC005	12	13	0.25999999	470	51000	5.0999999	4.70E-02
TFRC005	13	14	5.00E-02	510	67600	6.7600002	5.10E-02
TFRC005	14	15	5.00E-02	310	30900	3.0899999	3.10E-02
TFRC005	15	17	-5.00E-02	120	3100	0.31	0.012
TFRC005	17	18	0.56999999	170	21200	2.1199999	1.70E-02
TFRC005	18	19	-5.00E-02	250	31900	3.1900001	0.025
TFRC005	19	20	-5.00E-02	80	65800	6.5799999	8.00E-03
TFRC005	20	21	-5.00E-02	120	74300	7.4299998	0.012
TFRC005	21	22	-5.00E-02	150	84900	8.4899998	0.015
TFRC005	22	23	-5.00E-02	70	30100	3.01	7.00E-03
TFRC005	23	24	-5.00E-02	230	46500	4.6500001	0.023
TFRC005	24	25	-5.00E-02	290	65100	6.5100002	2.90E-02
TFRC005	25	26	-5.00E-02	160	58100	5.8099999	1.60E-02
TFRC005	26	27	-5.00E-02	790	61900	6.1900001	7.90E-02
TFRC005	27	28	0.60000002	110	10400	1.04	0.011
TFRC005	28	32	5.00E-02	60	2400	0.23999999	6.00E-03
TFRC005	32	35	0.30000001	430	5800	0.57999998	4.30E-02
TFRC005	35	36	-5.00E-02	280	23700	2.3699999	2.80E-02
TFRC005	36	37	0.07	1160	38500	3.8499999	0.116
TFRC005	37	38	0.14	3840	78200	7.8200002	0.384
TFRC005	38	39	6.00E-02	1120	33100	3.3099999	0.112
TFRC005	39	40	-5.00E-02	1840	8800	0.88	0.184
TFRC005	40	41	-5.00E-02	1460	18200	1.8200001	0.146
TFRC005	41	42	-5.00E-02	1050	9000	0.89999998	0.105
TFRC005	42	43	0.56999999	1230	23600	2.3599999	0.123
TFRC005	43	44	0.1	1010	18200	1.8200001	0.101
TFRC005	44	46	-5.00E-02	1580	17300	1.73	0.15800001
TFRC005	46	48	-5.00E-02	750	30700	3.0699999	7.50E-02
TFRC005	48	49	-5.00E-02	480	56200	5.6199999	0.048
TFRC005	49	50	-5.00E-02	2340	18200	1.8200001	0.234
TFRC005	50	51	-5.00E-02	7520	90200.008	9.0200005	0.75199997
TFRC005	51	52	-5.00E-02	6730	104000	10.4	0.67299998
TFRC005	52	53	8.00E-02	6190	91800	9.1800003	0.61900002
TFRC005	53	54	-5.00E-02	5640	41900	4.1900001	0.56400001
TFRC005	54	55	-5.00E-02	5880	39600	3.96	0.588
TFRC005	55	57	-5.00E-02	3450	27100	2.71	0.345
TFRC006	0	2	-5.00E-02	1970	48300	4.8299999	0.197

TFRC006	2	3	6.00E-02	1610	106000	10.6	0.161
TFRC006	3	4	5.00E-02	2110	50000	5	0.211
TFRC006	4	5	-5.00E-02	1720	58000	5.8000002	0.17200001
TFRC006	5	6	-5.00E-02	3710	152500	15.25	0.37099999
TFRC006	6	7	-5.00E-02	1560	58100	5.8099999	0.156
TFRC006	7	9	5.00E-02	1140	37000	3.7	0.114
TFRC006	9	12	-5.00E-02	2600	20900	2.0899999	0.25999999
TFRC006	12	15	-5.00E-02	1560	21300	2.1300001	0.156
TFRC006	15	18	-5.00E-02	1850	12500	1.25	0.185
TFRC006	18	20	-5.00E-02	1670	21600	2.1600001	0.167
TFRC006	20	21	-5.00E-02	3270	32000	3.2	0.32699999
TFRC006	21	22	-5.00E-02	3850	65200	6.52	0.38499999
TFRC006	22	23	-5.00E-02	4630	69900	6.9899998	0.463
TFRC006	23	24	-5.00E-02	4200	65800	6.5799999	0.41999999
TFRC006	24	25	-5.00E-02	2390	53100	5.3099999	0.23899999
TFRC006	25	26	-5.00E-02	5370	48700	4.8699999	0.537
TFRC006	26	27	-5.00E-02	12900	65200	6.52	1.29
TFRC006	27	28	0.25999999	790	35700	3.5699999	7.90E-02
TFRC006	28	29	6.00E-02	540	47500	4.75	5.40E-02
TFRC006	29	30	-5.00E-02	340	29600	2.96	3.40E-02
TFRC006	30	31	-5.00E-02	140	34100	3.4100001	0.014
TFRC006	31	32	-5.00E-02	490	27800	2.78	4.90E-02
TFRC006	32	33	-5.00E-02	190	53600	5.3600001	1.90E-02
TFRC006	33	34	-5.00E-02	100	25200	2.52	1.00E-02
TFRC006	34	35	-5.00E-02	550	86000	8.6000004	0.055
TFRC006	35	36	-5.00E-02	440	75800	7.5799999	0.044
TFRC006	36	37	-5.00E-02	300	19600	1.96	3.00E-02
TFRC006	37	39	0.15000001	1290	20100	2.01	0.12899999
TFRC006	39	41	-5.00E-02	1930	19200	1.92	0.193
TFRC006	41	43	-5.00E-02	100	6800	0.68000001	1.00E-02
TFRC006	43	45	-5.00E-02	550	7100	0.70999998	0.055
TFRC006	45	47	-5.00E-02	280	13000	1.3	2.80E-02
TFRC006	47	48	-5.00E-02	240	70900	7.0900002	0.024
TFRC006	48	50	-5.00E-02	70	5000	0.5	7.00E-03
TFRC007	0	3	6.00E-02	2760	30500	3.05	0.27599999
TFRC007	3	4	-5.00E-02	5260	111500	11.15	0.52600002
TFRC007	4	6	0.07	970	15300	1.53	9.70E-02
TFRC007	6	8	5.00E-02	2510	30400	3.04	0.25099999
TFRC007	8	10	0.07	970	48800	4.8800001	9.70E-02
TFRC007	10	12	-5.00E-02	2310	59500	5.9499998	0.23100001
TFRC007	12	14	-5.00E-02	5880	32000	3.2	0.588
TFRC007	14	15	-5.00E-02	5500	93900	9.3900003	0.55000001
TFRC007	15	17	5.00E-02	2280	16300	1.63	0.228
TFRC007	17	19	-5.00E-02	4370	48800	4.8800001	0.43700001
TFRC007	19	21	-5.00E-02	2700	19900	1.99	0.27000001
TFRC007	21	22	6.00E-02	5520	31700	3.1700001	0.55199999
TFRC007	22	23	-5.00E-02	3890	43400	4.3400002	0.389
TFRC007	23	24	-5.00E-02	1140	68600	6.8600001	0.114
TFRC007	24	25	-5.00E-02	2920	39000	3.9000001	0.292
TFRC007	25	26	-5.00E-02	4470	52300	5.23	0.447
TFRC007	26	27	-5.00E-02	5990	56600	5.6599998	0.59899998
TFRC007	27	28	-5.00E-02	10300	85300	8.5299997	1.03
TFRC007	28	29	-5.00E-02	6340	83900	8.3900003	0.634
TFRC007	29	30	5.00E-02	4250	75500	7.5500002	0.42500001
TFRC007	30	31	-5.00E-02	1480	74300	7.4299998	0.148
TFRC007	31	32	-5.00E-02	2430	79700	7.9699998	0.243
TFRC007	32	33	-5.00E-02	1290	30400	3.04	0.12899999
TFRC007	33	34	-5.00E-02	2470	50200	5.02	0.24699999
TFRC007	34	35	-5.00E-02	3620	65200	6.52	0.36199999
TFRC007	35	36	-5.00E-02	4040	105500	10.55	0.40400001
TFRC007	36	37	-5.00E-02	3020	131500	13.15	0.30199999
TFRC007	37	38	-5.00E-02	790	99799.992	9.9799995	7.90E-02
TFRC007	38	39	-5.00E-02	2910	59200	5.9200001	0.29100001

TFRC007	39	40	-5.00E-02	2310	60300	6.0300002	0.23100001
TFRC007	40	41	-5.00E-02	770	156000	15.6	0.077
TFRC007	41	42	-5.00E-02	490	59300	5.9299998	4.90E-02
TFRC007	42	43	-5.00E-02	660	53400	5.3400002	0.066
TFRC007	43	44	-5.00E-02	530	35400	3.54	5.30E-02
TFRC007	44	45	-5.00E-02	750	44000	4.4000001	7.50E-02
TFRC007	45	46	-5.00E-02	650	46500	4.6500001	6.50E-02
TFRC007	46	47	-5.00E-02	680	56800	5.6799998	6.80E-02
TFRC007	47	48	-5.00E-02	760	65300	6.5300002	7.60E-02
TFRC007	48	49	-5.00E-02	850	51300	5.1300001	8.50E-02
TFRC007	49	50	-5.00E-02	1600	33900	3.3900001	0.16
TFRC007	50	52	-5.00E-02	2440	28700	2.8699999	0.244
TFRC008	0	3	-5.00E-02	550	12700	1.27	0.055
TFRC008	3	5	-5.00E-02	170	49300	4.9299998	1.70E-02
TFRC008	5	6	-5.00E-02	250	92600	9.2600002	0.025
TFRC008	6	7	-5.00E-02	130	35000	3.5	0.013
TFRC008	7	8	-5.00E-02	180	55300	5.5300002	1.80E-02
TFRC008	8	9	-5.00E-02	190	22700	2.27	1.90E-02
TFRC008	9	10	-5.00E-02	190	21000	2.0999999	1.90E-02
TFRC008	10	11	-5.00E-02	590	29200	2.9200001	0.059
TFRC008	11	12	-5.00E-02	620	72000	7.1999998	6.20E-02
TFRC008	12	13	-5.00E-02	170	34900	3.49	1.70E-02
TFRC008	13	15	-5.00E-02	140	16400	1.64	0.014
TFRC008	15	19	-5.00E-02	160	4000	0.40000001	1.60E-02
TFRC008	19	21	-5.00E-02	20	3200	0.31999999	2.00E-03
TFRC008	21	22	-5.00E-02	50	6300	0.63	5.00E-03
TFRC008	22	23	-5.00E-02	150	17800	1.78	0.015
TFRC008	23	24	-5.00E-02	210	53100	5.3099999	0.021
TFRC008	24	25	-5.00E-02	370	41000	4.0999999	0.037
TFRC008	25	26	-5.00E-02	190	17900	1.79	1.90E-02
TFRC008	26	27	-5.00E-02	130	14100	1.41	0.013
TFRC008	27	28	-5.00E-02	180	68100	6.8099999	1.80E-02
TFRC008	28	29	-5.00E-02	150	59300	5.9299998	0.015
TFRC008	29	30	-5.00E-02	330	92100	9.21	0.033
TFRC008	30	31	-5.00E-02	140	47200	4.7199998	0.014
TFRC008	31	32	-5.00E-02	100	52800	5.2800002	1.00E-02
TFRC008	32	34	-5.00E-02	440	10600	1.0599999	0.044
TFRC008	34	35	-5.00E-02	350	101000	10.1	0.035
TFRC008	35	36	-5.00E-02	270	59200	5.9200001	2.70E-02
TFRC008	36	37	-5.00E-02	240	189000	18.9	0.024
TFRC008	37	38	-5.00E-02	230	103000	10.3	0.023
TFRC008	38	39	-5.00E-02	300	123000	12.3	3.00E-02
TFRC008	39	40	-5.00E-02	450	104000	10.4	4.50E-02
TFRC008	40	41	-5.00E-02	820	89100	8.9099998	8.20E-02
TFRC008	41	42	-5.00E-02	670	65400	6.54	6.70E-02
TFRC008	42	43	-5.00E-02	330	120000	12	0.033
TFRC008	43	44	-5.00E-02	370	125500	12.55	0.037
TFRC008	44	45	-5.00E-02	260	136500	13.65	2.60E-02
TFRC008	45	46	-5.00E-02	220	172000	17.200001	0.022
TFRC008	46	47	-5.00E-02	340	103500	10.35	3.40E-02
TFRC008	47	48	-5.00E-02	350	206000	20.6	0.035
TFRC008	48	49	-5.00E-02	340	267000	26.700001	3.40E-02
TFRC008	49	50	-5.00E-02	270	214000	21.4	2.70E-02
TFRC008	50	51	-5.00E-02	250	87100	8.71	0.025
TFRC008	51	52	-5.00E-02	190	53900	5.3899999	1.90E-02
TFRC008	52	53	-5.00E-02	460	73100	7.3099999	0.046
TFRC008	53	54	-5.00E-02	490	122000	12.2	4.90E-02
TFRC008	54	55	-5.00E-02	1090	116500	11.65	0.109
TFRC008	55	56	-5.00E-02	1700	122500	12.25	0.17
TFRC008	56	57	-5.00E-02	1250	63800	6.3800001	0.125
TFRC008	57	58	-5.00E-02	2010	92800	9.2799997	0.20100001
TFRC008	58	59	-5.00E-02	1450	206000	20.6	0.145
TFRC008	59	60	-5.00E-02	2490	151500	15.15	0.249

TFRC008	60	61	-5.00E-02	2220	148500	14.85	0.222
TFRC008	61	62	-5.00E-02	1620	93200	9.3199997	0.162
TFRC008	62	63	-5.00E-02	1220	71900	7.1900001	0.122
TFRC008	63	64	-5.00E-02	630	32400	3.24	6.30E-02
TFRC008	64	65	0.1	500	63400	6.3400002	5.00E-02
TFRC008	65	66	6.00E-02	390	85800	8.5799999	3.90E-02
TFRC008	66	67	-5.00E-02	350	31000	3.0999999	0.035
TFRC008	67	68	-5.00E-02	370	55100	5.5100002	0.037
TFRC008	68	69	-5.00E-02	350	108500	10.85	0.035
TFRC008	69	70	-5.00E-02	1080	63200	6.3200002	0.108
TFRC008	70	71	-5.00E-02	2370	63000	6.3000002	0.237
TFRC008	71	72	-5.00E-02	1870	29400	2.9400001	0.18700001
TFRC009	0	4	-5.00E-02	1520	10100	1.01	0.152
TFRC009	4	8	-5.00E-02	530	2000	0.2	5.30E-02
TFRC009	8	12	-5.00E-02	520	2000	0.2	5.20E-02
TFRC009	12	16	-5.00E-02	310	1200	0.12	3.10E-02
TFRC009	16	20	-5.00E-02	730	1300	0.13	7.30E-02
TFRC009	20	24	-5.00E-02	320	1400	0.14	3.20E-02
TFRC009	24	28	-5.00E-02	290	900	9.00E-02	2.90E-02
TFRC009	28	32	-5.00E-02	100	1000	0.1	1.00E-02
TFRC009	32	36	-5.00E-02	70	3400	0.34	7.00E-03
TFRC009	36	40	-5.00E-02	30	2000	0.2	0.003
TFRC009	40	42	-5.00E-02	20	1900	0.19	2.00E-03
TFRC009	42	43	-5.00E-02	70	49100	4.9099998	7.00E-03
TFRC009	43	47	9.00E-02	110	10000	1	0.011
TFRC009	47	51	-5.00E-02	320	11500	1.15	3.20E-02
TFRC009	51	55	-5.00E-02	630	12100	1.21	6.30E-02
TFRC009	55	58	-5.00E-02	1590	11600	1.16	0.15899999
TFRC009	58	60	-5.00E-02	2570	10700	1.0700001	0.257
TFRC010	0	4	-5.00E-02	1080	3100	0.31	0.108
TFRC010	4	8	5.00E-02	1150	4600	0.46000001	0.115
TFRC010	8	12	-5.00E-02	730	2200	0.22	7.30E-02
TFRC010	12	16	-5.00E-02	1480	3600	0.36000001	0.148
TFRC010	16	20	-5.00E-02	3400	5400	0.54000002	0.34
TFRC010	20	24	-5.00E-02	3750	7800	0.77999997	0.375
TFRC010	24	25	5.00E-02	2580	8800	0.88	0.25799999
TFRC010	25	27	6.00E-02	4570	18300	1.83	0.45699999
TFRC010	27	29	0.07	8810	15900	1.59	0.88099998
TFRC010	29	31	5.00E-02	2520	14000	1.4	0.252
TFRC010	31	32	-5.00E-02	2390	6600	0.66000003	0.23899999
TFRC010	32	33	-5.00E-02	2510	19100	1.91	0.25099999
TFRC010	33	34	-5.00E-02	2330	13800	1.38	0.233
TFRC010	34	35	-5.00E-02	2520	13000	1.3	0.252
TFRC010	35	36	-5.00E-02	2680	19300	1.9299999	0.26800001
TFRC010	36	37	-5.00E-02	2930	43200	4.3200002	0.29300001
TFRC010	37	38	-5.00E-02	2350	21500	2.1500001	0.235
TFRC010	38	39	-5.00E-02	2150	12200	1.22	0.215
TFRC010	39	40	-5.00E-02	2330	14600	1.46	0.233
TFRC010	40	41	-5.00E-02	2520	12300	1.23	0.252
TFRC010	41	44	-5.00E-02	1750	6500	0.64999998	0.175
TFRC010	44	46	-5.00E-02	900	4900	0.49000001	9.00E-02
TFRC010	46	47	-5.00E-02	280	79600	7.96	2.80E-02
TFRC010	47	48	-5.00E-02	590	16100	1.61	0.059
TFRC010	48	50	-5.00E-02	6140	7800	0.77999997	0.61400002
TFRC011	0	1	-5.00E-02	2400	23200	2.3199999	0.23999999
TFRC011	1	3	-5.00E-02	340	8000	0.80000001	3.40E-02
TFRC011	3	4	-5.00E-02	720	16600	1.66	7.20E-02
TFRC011	4	5	-5.00E-02	1150	43400	4.3400002	0.115
TFRC011	5	6	-5.00E-02	3170	50200	5.02	0.317
TFRC011	6	9	-5.00E-02	1490	12600	1.26	0.149
TFRC011	9	13	-5.00E-02	2170	6400	0.63999999	0.21699999
TFRC011	13	17	0.19	1610	12000	1.2	0.161
TFRC011	17	21	4.1500001	60	100	1.00E-02	6.00E-03

TFRC011	21	25	1.54	100	500	5.00E-02	1.00E-02
TFRC011	25	29	2.21	130	500	5.00E-02	0.013
TFRC011	29	33	4.0999999	40	-100	-1.00E-02	4.00E-03
TFRC011	33	37	2.1900001	40	-100	-1.00E-02	4.00E-03
TFRC011	37	41	3.55	30	-100	-1.00E-02	0.003
TFRC011	41	45	2.23	30	-100	-1.00E-02	0.003
TFRC011	45	48	0.43000001	20	-100	-1.00E-02	2.00E-03
TFRC011	48	50	0.23999999	20	-100	-1.00E-02	2.00E-03
TFRC012	0	4	9.00E-02	480	1500	0.15000001	0.048
TFRC012	4	8	-5.00E-02	3090	3200	0.31999999	0.30899999
TFRC012	8	12	-5.00E-02	12650	11300	1.13	1.265
TFRC012	12	16	-5.00E-02	5700	6600	0.66000003	0.56999999
TFRC012	16	20	-5.00E-02	3860	4500	0.44999999	0.38600001
TFRC012	20	24	-5.00E-02	4620	5000	0.5	0.46200001
TFRC012	24	28	-5.00E-02	740	2000	0.2	7.40E-02
TFRC012	28	32	-5.00E-02	1070	3000	0.30000001	0.107
TFRC012	32	36	-5.00E-02	490	2100	0.20999999	4.90E-02
TFRC012	36	37	6.00E-02	680	4900	0.49000001	6.80E-02
TFRC012	37	41	-5.00E-02	370	3300	0.33000001	0.037
TFRC012	41	45	-5.00E-02	530	2100	0.20999999	5.30E-02
TFRC012	45	47	-5.00E-02	390	3200	0.31999999	3.90E-02
TFRC012	47	50	-5.00E-02	400	1500	0.15000001	4.00E-02
TFRC013	0	4	-5.00E-02	310	900	9.00E-02	3.10E-02
TFRC013	4	8	-5.00E-02	130	500	5.00E-02	0.013
TFRC013	8	12	-5.00E-02	80	500	5.00E-02	8.00E-03
TFRC013	12	16	-5.00E-02	230	1600	0.16	0.023
TFRC013	16	20	-5.00E-02	100	800	8.00E-02	1.00E-02
TFRC013	20	24	-5.00E-02	70	600	6.00E-02	7.00E-03
TFRC013	24	28	-5.00E-02	100	800	8.00E-02	1.00E-02
TFRC013	28	32	-5.00E-02	70	1000	0.1	7.00E-03
TFRC013	32	36	-5.00E-02	50	600	6.00E-02	5.00E-03
TFRC013	36	40	-5.00E-02	30	1300	0.13	0.003
TFRC013	40	43	6.00E-02	50	1600	0.16	5.00E-03
TFRC013	43	44	0.12	30	2400	0.23999999	0.003
TFRC013	44	48	-5.00E-02	20	400	4.00E-02	2.00E-03
TFRC013	48	52	-5.00E-02	50	4300	0.43000001	5.00E-03
TFRC013	52	55	-5.00E-02	50	3500	0.34999999	5.00E-03
TFRC013	55	57	-5.00E-02	10	300	3.00E-02	0.001
TFRC014	0	4	-5.00E-02	820	1200	0.12	8.20E-02
TFRC014	4	8	-5.00E-02	80	800	8.00E-02	8.00E-03
TFRC014	8	12	-5.00E-02	10	1100	0.11	0.001
TFRC014	12	16	-5.00E-02	60	1300	0.13	6.00E-03
TFRC014	16	20	-5.00E-02	50	900	9.00E-02	5.00E-03
TFRC014	20	24	-5.00E-02	70	1400	0.14	7.00E-03
TFRC014	24	28	-5.00E-02	170	800	8.00E-02	1.70E-02
TFRC014	28	32	-5.00E-02	70	600	6.00E-02	7.00E-03
TFRC014	32	36	-5.00E-02	40	600	6.00E-02	4.00E-03
TFRC014	36	40	-5.00E-02	110	1000	0.1	0.011
TFRC014	40	44	-5.00E-02	100	1000	0.1	1.00E-02
TFRC014	44	48	-5.00E-02	260	2700	0.27000001	2.60E-02
TFRC014	48	50	-5.00E-02	240	2600	0.25999999	0.024
TFRC015	0	3	-5.00E-02	380	23600	2.3599999	3.80E-02
TFRC015	3	4	-5.00E-02	670	75300	7.5300002	6.70E-02
TFRC015	4	5	-5.00E-02	360	30300	3.03	3.60E-02
TFRC015	5	8	-5.00E-02	1780	4900	0.49000001	0.178
TFRC015	8	10	-5.00E-02	200	3500	0.34999999	0.02
TFRC015	10	11	-5.00E-02	340	24200	2.4200001	3.40E-02
TFRC015	11	12	-5.00E-02	230	75400	7.54	0.023
TFRC015	12	13	-5.00E-02	190	64800	6.48	1.90E-02
TFRC015	13	14	-5.00E-02	60	19800	1.98	6.00E-03
TFRC015	14	15	-5.00E-02	200	30800	3.0799999	0.02
TFRC015	15	16	-5.00E-02	2330	227000	22.700001	0.233
TFRC015	16	17	-5.00E-02	1040	137500	13.75	0.104

TFRC015	17	18	-5.00E-02	990	83700	8.3699999	9.90E-02
TFRC015	18	19	-5.00E-02	900	20000	2	9.00E-02
TFRC015	19	20	-5.00E-02	500	24700	2.47	5.00E-02
TFRC015	20	21	-5.00E-02	420	32300	3.23	4.20E-02
TFRC015	21	22	-5.00E-02	750	35300	3.53	7.50E-02
TFRC015	22	23	-5.00E-02	3720	56800	5.6799998	0.37200001
TFRC015	23	24	-5.00E-02	2230	26300	2.6300001	0.223
TFRC015	24	27	-5.00E-02	720	6100	0.61000001	7.20E-02
TFRC015	27	29	-5.00E-02	430	4500	0.44999999	4.30E-02
TFRC015	29	31	5.00E-02	550	13800	1.38	0.055
TFRC015	31	32	0.07	1050	36700	3.6700001	0.105
TFRC015	32	33	5.00E-02	3520	184000	18.4	0.352
TFRC015	33	34	5.00E-02	4240	178500	17.85	0.42399999
TFRC015	34	35	5.00E-02	1670	79200	7.9200001	0.167
TFRC015	35	36	5.00E-02	490	56800	5.6799998	4.90E-02
TFRC015	36	37	6.00E-02	450	44500	4.4499998	4.50E-02
TFRC016	0	2	-5.00E-02	1780	10900	1.09	0.178
TFRC016	2	3	-5.00E-02	3340	31000	3.0999999	0.33399999
TFRC016	3	4	5.00E-02	1740	27300	2.73	0.17399999
TFRC016	4	5	-5.00E-02	1500	36300	3.6300001	0.15000001
TFRC016	5	6	-5.00E-02	440	31600	3.1600001	0.044
TFRC016	6	7	-5.00E-02	1120	31300	3.1300001	0.112
TFRC016	7	8	-5.00E-02	670	44200	4.4200001	6.70E-02
TFRC016	8	9	-5.00E-02	450	7600	0.75999999	4.50E-02
TFRC016	9	10	-5.00E-02	370	18300	1.83	0.037
TFRC016	10	11	-5.00E-02	750	48700	4.8699999	7.50E-02
TFRC016	11	15	-5.00E-02	1160	9600	0.95999998	0.116
TFRC016	15	18	-5.00E-02	640	4500	0.44999999	6.40E-02
TFRC016	18	20	-5.00E-02	450	12000	1.2	4.50E-02
TFRC016	20	21	-5.00E-02	780	38300	3.8299999	7.80E-02
TFRC016	21	22	-5.00E-02	550	29600	2.96	0.055
TFRC016	22	23	-5.00E-02	250	82000	8.1999998	0.025
TFRC016	23	24	-5.00E-02	420	37800	3.78	4.20E-02
TFRC016	24	25	-5.00E-02	210	4900	0.49000001	0.021
TFRC016	25	26	-5.00E-02	340	16000	1.6	3.40E-02
TFRC016	26	27	-5.00E-02	1110	73000	7.3000002	0.111
TFRC016	27	28	-5.00E-02	800	42500	4.25	8.00E-02
TFRC016	28	29	-5.00E-02	720	27900	2.79	7.20E-02
TFRC016	29	30	-5.00E-02	640	41300	4.1300001	6.40E-02
TFRC016	30	31	-5.00E-02	1150	104000	10.4	0.115
TFRC016	31	32	-5.00E-02	2810	116000	11.6	0.28099999
TFRC016	32	33	-5.00E-02	2510	79600	7.96	0.25099999
TFRC016	33	34	-5.00E-02	1490	165500	16.549999	0.149
TFRC016	34	35	-5.00E-02	2660	88100.008	8.8100004	0.266
TFRC016	35	36	-5.00E-02	620	83200	8.3199997	6.20E-02
TFRC016	36	37	-5.00E-02	320	29300	2.9300001	3.20E-02
TFRC016	37	38	-5.00E-02	2080	67600	6.7600002	0.208
TFRC016	38	39	-5.00E-02	1040	73100	7.3099999	0.104
TFRC016	39	40	-5.00E-02	5760	198000	19.799999	0.57599998
TFRC016	40	42	-5.00E-02	1370	71200	7.1199999	0.13699999
TFRC016	42	43	-5.00E-02	2660	108500	10.85	0.266
TFRC016	43	44	-5.00E-02	660	74800	7.48	0.066
TFRC016	44	45	-5.00E-02	600	32700	3.27	6.00E-02
TFRC016	45	47	5.00E-02	200	3100	0.31	0.02
TFRC016	47	48	-5.00E-02	660	25100	2.51	0.066
TFRC016	48	50	5.00E-02	320	8500	0.85000002	3.20E-02
TFRC016	50	52	5.00E-02	870	61600	6.1599998	8.70E-02
TFRC016	52	53	6.00E-02	1670	78600	7.8600001	0.167
TFRC017	0	4	-5.00E-02	900	10600	1.0599999	9.00E-02
TFRC017	4	8	-5.00E-02	440	2400	0.23999999	0.044
TFRC017	8	12	5.00E-02	430	3100	0.31	4.30E-02
TFRC017	12	15	-5.00E-02	520	4000	0.40000001	5.20E-02
TFRC017	15	17	-5.00E-02	490	6100	0.61000001	4.90E-02

TFRC017	17	18	-5.00E-02	590	42700	4.27	0.059
TFRC017	18	19	-5.00E-02	710	71400	7.1399999	7.10E-02
TFRC017	19	20	-5.00E-02	390	214000	21.4	3.90E-02
TFRC017	20	21	-5.00E-02	240	73700	7.3699999	0.024
TFRC017	21	22	6.00E-02	400	124500	12.45	4.00E-02
TFRC017	22	23	-5.00E-02	850	186500	18.65	8.50E-02
TFRC017	23	24	-5.00E-02	590	111500	11.15	0.059
TFRC017	24	25	-5.00E-02	1580	130000	13	0.15800001
TFRC017	25	26	-5.00E-02	1880	159000	15.9	0.18799999
TFRC017	26	27	-5.00E-02	1790	68700	6.8699999	0.17900001
TFRC017	27	28	-5.00E-02	2220	110000	11	0.222
TFRC017	28	29	-5.00E-02	1250	45100	4.5100002	0.125
TFRC017	29	30	-5.00E-02	8250	64200	6.4200001	0.82499999
TFRC017	30	31	-5.00E-02	13900	109500	10.95	1.39
TFRC017	31	32	-5.00E-02	14200	143000	14.3	1.42
TFRC017	32	33	-5.00E-02	6430	56500	5.6500001	0.64300001
TFRC017	33	34	-5.00E-02	4280	67100	6.71	0.428
TFRC017	34	36	-5.00E-02	4160	33400	3.3399999	0.41600001
TFRC017	36	38	-5.00E-02	4620	25800	2.5799999	0.46200001
TFRC017	38	40	-5.00E-02	3180	25100	2.51	0.31799999
TFRC017	40	44	-5.00E-02	3250	4400	0.44	0.32499999
TFRC017	44	48	4.6599998	980	700	0.07	9.80E-02
TFRC017	48	50	4.1900001	360	200	0.02	3.60E-02
TFRC018	0	1	0.31999999	3420	43200	4.3200002	0.34200001
TFRC018	1	2	8.00E-02	7230	36200	3.6199999	0.72299999
TFRC018	2	6	-5.00E-02	5590	4600	0.46000001	0.55900002
TFRC018	6	10	-5.00E-02	3460	1200	0.12	0.34599999
TFRC018	10	14	-5.00E-02	270	2700	0.27000001	2.70E-02
TFRC018	14	17	-5.00E-02	230	3100	0.31	0.023
TFRC018	17	21	-5.00E-02	220	1300	0.13	0.022
TFRC018	21	25	-5.00E-02	1110	2100	0.20999999	0.111
TFRC018	25	29	-5.00E-02	430	2400	0.23999999	4.30E-02
TFRC018	29	32	-5.00E-02	1110	11300	1.13	0.111
TFRC018	32	33	-5.00E-02	680	7200	0.72000003	6.80E-02
TFRC018	33	34	-5.00E-02	1810	30900	3.0899999	0.18099999
TFRC018	34	35	-5.00E-02	470	29000	2.9000001	4.70E-02
TFRC018	35	36	-5.00E-02	4860	51700	5.1700001	0.486
TFRC018	36	37	-5.00E-02	4520	58900	5.8899999	0.45199999
TFRC018	37	38	-5.00E-02	1380	24500	2.45	0.138
TFRC018	38	41	-5.00E-02	960	8200	0.81999999	9.60E-02
TFRC018	41	44	-5.00E-02	940	31400	3.1400001	9.40E-02
TFRC018	44	45	-5.00E-02	890	27700	2.77	8.90E-02
TFRC018	45	47	-5.00E-02	680	30700	3.0699999	6.80E-02
TFRC018	47	49	-5.00E-02	510	20800	2.0799999	5.10E-02
TFRC018	49	50	-5.00E-02	460	17800	1.78	0.046
TFRC018	50	51	-5.00E-02	1520	33700	3.3699999	0.152
TFRC018	51	54	-5.00E-02	620	12200	1.22	6.20E-02
TFRC018	54	57	-5.00E-02	1040	16700	1.67	0.104
TFRC019	0	4	-5.00E-02	1110	4000	0.40000001	0.111
TFRC019	4	8	-5.00E-02	2730	1800	0.18000001	0.273
TFRC019	8	12	-5.00E-02	1220	800	8.00E-02	0.122
TFRC019	12	16	-5.00E-02	1220	1100	0.11	0.122
TFRC019	16	20	-5.00E-02	1090	1100	0.11	0.109
TFRC019	20	24	-5.00E-02	540	600	6.00E-02	5.40E-02
TFRC019	24	28	-5.00E-02	230	400	4.00E-02	0.023
TFRC019	28	32	5.00E-02	260	500	5.00E-02	2.60E-02
TFRC019	32	34	5.00E-02	180	500	5.00E-02	1.80E-02
TFRC019	34	36	-5.00E-02	710	2400	0.23999999	7.10E-02
TFRC019	36	37	-5.00E-02	420	39800	3.98	4.20E-02
TFRC019	37	38	5.00E-02	260	8500	0.85000002	2.60E-02
TFRC019	38	40	-5.00E-02	290	2500	0.25	2.90E-02
TFRC019	40	42	8.00E-02	1620	14300	1.4299999	0.162
TFRC020	0	4	5.00E-02	170	700	0.07	1.70E-02

TFRC020	4	8	-5.00E-02	150	2700	0.27000001	0.015
TFRC020	8	12	6.00E-02	310	4700	0.47	3.10E-02
TFRC020	12	13	5.00E-02	180	2500	0.25	1.80E-02
TFRC020	13	14	-5.00E-02	130	26100	2.6099999	0.013
TFRC020	14	15	5.00E-02	150	50900	5.0900002	0.015
TFRC020	15	16	-5.00E-02	240	73500	7.3499999	0.024
TFRC020	16	17	-5.00E-02	210	86300	8.6300001	0.021
TFRC020	17	18	5.00E-02	140	131000	13.1	0.014
TFRC020	18	19	5.00E-02	160	70700	7.0700002	1.60E-02
TFRC020	19	20	5.00E-02	140	62000	6.1999998	0.014
TFRC020	20	21	-5.00E-02	120	64600	6.46	0.012
TFRC020	21	22	6.00E-02	150	35500	3.55	0.015
TFRC020	22	25	6.00E-02	140	63000	6.3000002	0.014
TFRC020	25	26	6.00E-02	140	16300	1.63	0.014
TFRC020	26	28	6.00E-02	170	21900	2.1900001	1.70E-02
TFRC020	28	32	0.1	140	6500	0.64999998	0.014
TFRC020	32	36	0.25	110	1500	0.15000001	0.011
TFRC020	36	40	0.33000001	160	900	9.00E-02	1.60E-02
TFRC020	40	44	0.31999999	140	600	6.00E-02	0.014
TFRC020	44	48	1.8099999	110	600	6.00E-02	0.011
TFRC020	48	50	6.2399998	60	200	0.02	6.00E-03
TFRC021	0	2	-5.00E-02	310	5700	0.56999999	3.10E-02
TFRC021	2	6	-5.00E-02	240	1200	0.12	0.024
TFRC021	6	9	-5.00E-02	100	2500	0.25	1.00E-02
TFRC021	9	10	-5.00E-02	140	31500	3.1500001	0.014
TFRC021	10	11	-5.00E-02	50	5400	0.54000002	5.00E-03
TFRC021	11	12	-5.00E-02	30	9800	0.98000002	0.003
TFRC021	12	16	-5.00E-02	50	3200	0.31999999	5.00E-03
TFRC021	16	20	-5.00E-02	110	2200	0.22	0.011
TFRC021	20	24	-5.00E-02	150	2000	0.2	0.015
TFRC021	24	28	-5.00E-02	50	1300	0.13	5.00E-03
TFRC021	28	32	-5.00E-02	30	1400	0.14	0.003
TFRC021	32	36	-5.00E-02	140	1300	0.13	0.014
TFRC021	36	39	-5.00E-02	310	2600	0.25999999	3.10E-02
TFRC021	39	40	-5.00E-02	720	10600	1.0599999	7.20E-02
TFRC021	40	44	-5.00E-02	150	4800	0.47999999	0.015
TFRC021	44	48	-5.00E-02	110	1000	0.1	0.011
TFRC021	48	52	-5.00E-02	130	500	5.00E-02	0.013
TFRC021	52	56	-5.00E-02	140	400	4.00E-02	0.014
TFRC021	56	60	-5.00E-02	80	5900	0.58999997	8.00E-03
TFRC021	60	64	-5.00E-02	440	5400	0.54000002	0.044
TFRC021	64	68	-5.00E-02	60	2000	0.2	6.00E-03
TFRC021	68	72	-5.00E-02	70	4800	0.47999999	7.00E-03
TFRC021	72	76	-5.00E-02	90	12900	1.29	9.00E-03
TFRC021	76	80	-5.00E-02	40	9100	0.91000003	4.00E-03
TFRC021	80	84	-5.00E-02	360	8000	0.80000001	3.60E-02
TFRC021	84	88	5.00E-02	1100	7800	0.77999997	0.11
TFRC021	88	92	-5.00E-02	960	4800	0.47999999	9.60E-02
TFRC021	92	93	5.00E-02	4800	47000	4.6999998	0.47999999
TFRC021	93	94	-5.00E-02	1550	34900	3.49	0.155
TFRC021	94	95	-5.00E-02	1110	23300	2.3299999	0.111
TFRC021	95	96	8.00E-02	1070	23300	2.3299999	0.107
TFRC021	96	97	1.05	1230	7100	0.70999998	0.123
TFRC022	0	1	0.31999999	1180	35400	3.54	0.118
TFRC022	1	2	0.38999999	790	20700	2.0699999	7.90E-02
TFRC022	2	3	0.1	670	119500	11.95	6.70E-02
TFRC022	3	4	-5.00E-02	360	73900	7.3899999	3.60E-02
TFRC022	4	5	-5.00E-02	200	55500	5.5500002	0.02
TFRC022	5	6	5.00E-02	270	30900	3.0899999	2.70E-02
TFRC022	6	7	-5.00E-02	680	40400	4.04	6.80E-02
TFRC022	7	8	-5.00E-02	1240	45000	4.5	0.124
TFRC022	8	9	-5.00E-02	320	34400	3.4400001	3.20E-02
TFRC022	9	10	-5.00E-02	80	44000	4.4000001	8.00E-03

TFRC022	10	11	-5.00E-02	460	16400	1.64	0.046
TFRC022	11	12	-5.00E-02	700	33200	3.3199999	0.07
TFRC022	12	13	-5.00E-02	70	35200	3.52	7.00E-03
TFRC022	13	14	-5.00E-02	40	29400	2.9400001	4.00E-03
TFRC022	14	15	-5.00E-02	40	23900	2.3900001	4.00E-03
TFRC022	15	19	-5.00E-02	20	2800	0.28	2.00E-03
TFRC022	19	23	-5.00E-02	20	1200	0.12	2.00E-03
TFRC022	23	24	6.00E-02	400	2600	0.25999999	4.00E-02
TFRC022	24	28	-5.00E-02	300	6500	0.64999998	3.00E-02
TFRC022	28	31	-5.00E-02	470	7900	0.79000002	4.70E-02
TFRC022	31	33	-5.00E-02	220	6900	0.69	0.022
TFRC022	33	35	-5.00E-02	320	14200	1.42	3.20E-02
TFRC022	35	36	-5.00E-02	4690	191500	19.15	0.46900001
TFRC022	36	37	-5.00E-02	4320	145500	14.55	0.43200001
TFRC022	37	38	6.00E-02	1440	45500	4.5500002	0.14399999
TFRC022	38	39	-5.00E-02	3840	99799.992	9.9799995	0.384
TFRC022	39	40	-5.00E-02	16650	144000	14.4	1.665
TFRC022	40	41	-5.00E-02	27500	78900	7.8899999	2.75
TFRC022	41	42	-5.00E-02	50000	88700	8.8699999	5
TFRC022	42	43	-5.00E-02	13650	54600	5.46	1.365
TFRC022	43	45	-5.00E-02	970	6300	0.63	9.70E-02
TFRC022	45	47	-5.00E-02	1360	10700	1.0700001	0.13600001
TFRC022	47	48	-5.00E-02	3570	17100	1.71	0.35699999
TFRC022	48	52	6.00E-02	1790	6100	0.61000001	0.17900001
TFRC022	52	55	8.00E-02	260	1700	0.17	2.60E-02
TFRC022	55	59	8.00E-02	560	2500	0.25	5.60E-02
TFRC022	59	63	5.3000002	130	500	5.00E-02	0.013
TFRC022	63	67	8.1599998	170	200	0.02	1.70E-02
TFRC022	67	71	9.0600004	20	100	1.00E-02	2.00E-03
TFRC022	71	75	8.0299997	30	100	1.00E-02	0.003
TFRC022	75	79	4.9499998	20	200	0.02	2.00E-03
TFRC022	79	83	5.96	60	1200	0.12	6.00E-03
TFRC023	0	1	0.12	6910	81400	8.1400003	0.69099998
TFRC023	1	2	0.16	14600	84300	8.4300003	1.46
TFRC023	2	3	5.00E-02	23100	96200	9.6199999	2.3099999
TFRC023	3	4	5.00E-02	11250	102000	10.2	1.125
TFRC023	4	5	0.07	3710	27200	2.72	0.37099999
TFRC023	5	6	5.00E-02	4550	38500	3.8499999	0.45500001
TFRC023	6	7	8.00E-02	4030	22600	2.26	0.403
TFRC023	7	8	6.00E-02	2890	59800	5.98	0.289
TFRC023	8	9	-5.00E-02	3970	35100	3.51	0.39700001
TFRC023	9	10	-5.00E-02	3280	33600	3.3599999	0.32800001
TFRC023	10	11	-5.00E-02	1590	13200	1.3200001	0.15899999
TFRC023	11	12	5.00E-02	300	10900	1.09	3.00E-02
TFRC023	12	13	-5.00E-02	150	9200	0.92000002	0.015
TFRC023	13	14	-5.00E-02	500	50100	5.0100002	5.00E-02
TFRC023	14	15	-5.00E-02	1800	59500	5.9499998	0.18000001
TFRC023	15	16	0.36000001	3010	78000	7.8000002	0.301
TFRC023	16	17	-5.00E-02	2530	161500	16.15	0.25299999
TFRC023	17	18	-5.00E-02	3030	152000	15.2	0.303
TFRC023	18	19	-5.00E-02	1050	76800	7.6799998	0.105
TFRC023	19	20	-5.00E-02	180	92500	9.25	1.80E-02
TFRC023	20	21	-5.00E-02	510	54700	5.4699998	5.10E-02
TFRC023	21	22	-5.00E-02	170	65900	6.5900002	1.70E-02
TFRC023	22	23	-5.00E-02	160	29900	2.99	1.60E-02
TFRC023	23	24	-5.00E-02	370	92100	9.21	0.037
TFRC023	24	25	-5.00E-02	2090	65100	6.5100002	0.20900001
TFRC023	25	26	-5.00E-02	560	59000	5.9000001	5.60E-02
TFRC023	26	27	-5.00E-02	220	76900	7.6900001	0.022
TFRC023	27	28	-5.00E-02	190	73200	7.3200002	1.90E-02
TFRC023	28	29	-5.00E-02	150	29600	2.96	0.015
TFRC023	29	30	-5.00E-02	110	54400	5.4400001	0.011
TFRC023	30	31	-5.00E-02	160	44500	4.4499998	1.60E-02

TFRC023	31	32	-5.00E-02	110	85700	8.5699997	0.011
TFRC023	32	33	-5.00E-02	120	36000	3.5999999	0.012
TFRC023	33	34	-5.00E-02	130	25200	2.52	0.013
TFRC023	34	35	-5.00E-02	280	61000	6.0999999	2.80E-02
TFRC023	35	36	-5.00E-02	140	46600	4.6599998	0.014
TFRC023	36	37	-5.00E-02	360	63900	6.3899999	3.60E-02
TFRC023	37	38	-5.00E-02	350	66800	6.6799998	0.035
TFRC023	38	40	-5.00E-02	690	43500	4.3499999	6.90E-02
TFRC023	40	42	-5.00E-02	200	7300	0.73000002	0.02
TFRC023	42	46	-5.00E-02	860	18900	1.89	8.60E-02
TFRC023	46	50	-5.00E-02	1250	40900	4.0900002	0.125
TFRC023	50	52	-5.00E-02	830	24600	2.46	8.30E-02
TFRC023	52	54	-5.00E-02	280	52800	5.2800002	2.80E-02
TFRC023	54	56	-5.00E-02	580	123500	12.35	5.80E-02
TFRC023	56	57	-5.00E-02	160	33900	3.3900001	1.60E-02
TFRC023	57	59	-5.00E-02	360	26300	2.6300001	3.60E-02
TFRC023	59	61	-5.00E-02	420	51900	5.1900001	4.20E-02
TFRC023	61	62	5.00E-02	2010	115000	11.5	0.20100001
TFRC023	62	63	-5.00E-02	360	17800	1.78	3.60E-02
TFRC023	63	64	-5.00E-02	280	24600	2.46	2.80E-02
TFRC023	64	65	-5.00E-02	560	65700	6.5700002	5.60E-02
TFRC023	65	67	6.00E-02	320	25800	2.5799999	3.20E-02
TFRC023	67	68	-5.00E-02	400	38100	3.8099999	4.00E-02
TFRC023	68	69	-5.00E-02	280	57700	5.77	2.80E-02
TFRC023	69	70	-5.00E-02	280	35600	3.5599999	2.80E-02
TFRC023	70	71	-5.00E-02	890	42000	4.1999998	8.90E-02
TFRC023	71	72	-5.00E-02	690	42600	4.2600002	6.90E-02
TFRC023	72	73	-5.00E-02	350	40500	4.0500002	0.035
TFRC023	73	74	-5.00E-02	320	18000	1.8	3.20E-02
TFRC023	74	75	-5.00E-02	480	17200	1.72	0.048
TFRC023	75	77	-5.00E-02	730	28600	2.8599999	7.30E-02
TFRC023	77	78	-5.00E-02	1070	88500	8.8500004	0.107
TFRC023	78	79	-5.00E-02	1560	105000	10.5	0.156
TFRC024	0	3	6.00E-02	1750	5900	0.58999997	0.175
TFRC024	3	6	-5.00E-02	910	13200	1.3200001	9.10E-02
TFRC024	6	7	-5.00E-02	1000	19000	1.9	0.1
TFRC024	7	11	-5.00E-02	830	13600	1.36	8.30E-02
TFRC024	11	15	-5.00E-02	1070	15500	1.55	0.107
TFRC024	15	16	5.00E-02	640	15900	1.59	6.40E-02
TFRC024	16	17	5.00E-02	650	25200	2.52	6.50E-02
TFRC024	17	18	-5.00E-02	1920	64500	6.4499998	0.192
TFRC024	18	19	8.00E-02	1450	40200	4.02	0.145
TFRC024	19	21	8.00E-02	860	38200	3.8199999	8.60E-02
TFRC024	21	22	5.00E-02	1630	119000	11.9	0.163
TFRC024	22	23	-5.00E-02	1400	79300	7.9299998	0.14
TFRC024	23	24	-5.00E-02	2420	101500	10.15	0.242
TFRC024	24	25	-5.00E-02	2400	94300	9.4300003	0.23999999
TFRC024	25	26	-5.00E-02	1380	75100	7.5100002	0.138
TFRC024	26	27	-5.00E-02	1040	43000	4.3000002	0.104
TFRC024	27	28	5.00E-02	880	35700	3.5699999	0.088
TFRC024	28	29	9.00E-02	350	20400	2.04	0.035
TFRC024	29	30	-5.00E-02	1110	52700	5.27	0.111
TFRC024	30	31	-5.00E-02	540	36000	3.5999999	5.40E-02
TFRC024	31	32	5.00E-02	990	38400	3.8399999	9.90E-02
TFRC024	32	33	-5.00E-02	9740	200000	20	0.97399998
TFRC024	33	34	-5.00E-02	12750	186000	18.6	1.275
TFRC024	34	35	-5.00E-02	13600	257000	25.700001	1.36
TFRC024	35	36	-5.00E-02	6880	191000	19.1	0.68800002
TFRC024	36	38	0.07	1100	40100	4.0100002	0.11
TFRC024	38	39	5.00E-02	1220	71700	7.1700001	0.122
TFRC024	39	40	-5.00E-02	1850	115000	11.5	0.185
TFRC024	40	41	-5.00E-02	3550	212000	21.200001	0.35499999
TFRC024	41	42	-5.00E-02	2360	119500	11.95	0.236

TFRC024	42	43	5.00E-02	3190	73500	7.3499999	0.31900001
TFRC024	43	44	-5.00E-02	2410	89500	8.9499998	0.241
TFRC024	44	45	-5.00E-02	2530	110500	11.05	0.25299999
TFRC024	45	46	-5.00E-02	3180	87800	8.7799997	0.31799999
TFRC024	46	47	2.8499999	3030	51500	5.1500001	0.303
TFRC024	47	48	0.25999999	2570	96899.992	9.6899996	0.257
TFRC024	48	49	0.28	5880	143500	14.35	0.588
TFRC024	49	51	0.2	12950	174500	17.450001	1.295
TFRC024	51	53	0.22	4480	79800	7.98	0.44800001
TFRC024	53	55	0.07	1780	55000	5.5	0.178
TFRC024	55	56	6.00E-02	7780	139000	13.9	0.778
TFRC024	56	57	-5.00E-02	2970	96899.992	9.6899996	0.29699999
TFRC024	57	58	-5.00E-02	4420	84000	8.3999996	0.442
TFRC024	58	59	-5.00E-02	4180	255000	25.5	0.41800001
TFRC024	59	60	0.13	3340	119000	11.9	0.33399999
TFRC024	60	61	5.00E-02	2780	114000	11.4	0.278
TFRC024	61	62	-5.00E-02	1850	84500	8.4499998	0.185
TFRC024	62	63	6.00E-02	1430	85200.008	8.5200005	0.14300001
TFRC024	63	64	-5.00E-02	750	45600	4.5599999	7.50E-02
TFRC024	64	65	-5.00E-02	670	40100	4.0100002	6.70E-02
TFRC024	65	66	-5.00E-02	1050	66300	6.6300001	0.105
TFRC024	66	67	-5.00E-02	900	69400	6.9400001	9.00E-02
TFRC024	67	68	-5.00E-02	1450	83500	8.3500004	0.145
TFRC024	68	69	-5.00E-02	490	33900	3.3900001	4.90E-02
TFRC024	69	70	-5.00E-02	930	51000	5.0999999	9.30E-02
TFRC024	70	72	-5.00E-02	1170	34100	3.4100001	0.117
TFRC024	72	74	-5.00E-02	830	19900	1.99	8.30E-02
TFRC024	74	75	-5.00E-02	1690	26800	2.6800001	0.169
TFRC024	75	77	-5.00E-02	1380	41200	4.1199999	0.138
TFRC025	0	1	-5.00E-02	510	53000	5.3000002	5.10E-02
TFRC025	1	2	-5.00E-02	510	52100	5.21	5.10E-02
TFRC025	2	3	-5.00E-02	420	46100	4.6100001	4.20E-02
TFRC025	3	4	-5.00E-02	440	38500	3.8499999	0.044
TFRC025	4	5	-5.00E-02	150	39600	3.96	0.015
TFRC025	5	6	-5.00E-02	350	69700	6.9699998	0.035
TFRC025	6	7	-5.00E-02	380	61500	6.1500001	3.80E-02
TFRC025	7	8	-5.00E-02	1460	186500	18.65	0.146
TFRC025	8	9	-5.00E-02	250	83500	8.3500004	0.025
TFRC025	9	10	-5.00E-02	750	92500	9.25	7.50E-02
TFRC025	10	11	-5.00E-02	580	36400	3.6400001	5.80E-02
TFRC025	11	12	-5.00E-02	410	67100	6.71	4.10E-02
TFRC025	12	13	-5.00E-02	320	73000	7.3000002	3.20E-02
TFRC025	13	14	-5.00E-02	300	25900	2.5899999	3.00E-02
TFRC025	14	15	-5.00E-02	340	37300	3.73	3.40E-02
TFRC025	15	16	-5.00E-02	380	49200	4.9200001	3.80E-02
TFRC025	16	17	-5.00E-02	750	50100	5.0100002	7.50E-02
TFRC025	17	18	-5.00E-02	4150	92100	9.21	0.41499999
TFRC025	18	20	-5.00E-02	2810	57100	5.71	0.28099999
TFRC025	20	21	-5.00E-02	2370	47800	4.7800002	0.237
TFRC025	21	22	-5.00E-02	660	82900	8.29	0.066
TFRC025	22	23	-5.00E-02	950	50200	5.02	9.50E-02
TFRC025	23	24	-5.00E-02	1670	76400	7.6399999	0.167
TFRC025	24	25	-5.00E-02	680	84100	8.4099998	6.80E-02
TFRC025	25	26	-5.00E-02	1060	94500	9.4499998	0.106
TFRC025	26	27	-5.00E-02	1730	72700	7.27	0.17299999
TFRC025	27	28	-5.00E-02	870	64100	6.4099998	8.70E-02
TFRC025	28	29	-5.00E-02	1100	97700.008	9.7700005	0.11
TFRC025	29	30	-5.00E-02	210	78400	7.8400002	0.021
TFRC025	30	31	-5.00E-02	250	55100	5.5100002	0.025
TFRC025	31	32	-5.00E-02	610	106000	10.6	6.10E-02
TFRC025	32	33	-5.00E-02	1250	71200	7.1199999	0.125
TFRC025	33	34	-5.00E-02	340	41800	4.1799998	3.40E-02
TFRC025	34	35	-5.00E-02	220	54600	5.46	0.022

TFRC025	35	36	-5.00E-02	1080	99700	9.9700003	0.108
TFRC025	36	37	-5.00E-02	430	60400	6.04	4.30E-02
TFRC025	37	38	-5.00E-02	570	58900	5.8899999	0.057
TFRC025	38	39	-5.00E-02	330	48400	4.8400002	0.033
TFRC025	39	40	-5.00E-02	460	58800	5.8800001	0.046
TFRC025	40	41	-5.00E-02	1190	40800	4.0799999	0.119
TFRC025	41	42	-5.00E-02	1190	49000	4.9000001	0.119
TFRC025	42	43	-5.00E-02	1460	82600	8.2600002	0.146
TFRC025	43	44	-5.00E-02	1260	54500	5.4499998	0.126
TFRC025	44	45	-5.00E-02	1720	85400	8.54	0.17200001
TFRC025	45	47	-5.00E-02	380	64100	6.4099998	3.80E-02
TFRC025	47	48	-5.00E-02	250	42600	4.2600002	0.025
TFRC025	48	50	-5.00E-02	1090	42400	4.2399998	0.109
TFRC025	50	52	-5.00E-02	790	31900	3.1900001	7.90E-02
TFRC025	52	56	5.00E-02	1710	19800	1.98	0.171
TFRC025	56	60	0.12	730	2600	0.25999999	7.30E-02
TFRC025	60	64	0.23999999	440	500	5.00E-02	0.044
TFRC025	64	68	1.95	810	300	3.00E-02	0.081
TFRC025	68	72	1.1799999	1810	1000	0.1	0.18099999
TFRC025	72	75	1.49	2980	3600	0.36000001	0.29800001
TFTR001	0	2		637	8320	0.83200002	6.37E-02
TFTR001	2	4		721			7.21E-02
TFTR001	4	6		574	2880	0.28799999	5.74E-02
TFTR001	6	8		354	3100	0.31	3.54E-02
TFTR001	8	9		864			8.64E-02
TFTR001	9	10		1010			0.101
TFTR001	10	11		2140			0.214
TFTR001	11	12		1555			0.15549999
TFTR001	12	13		1685			0.16850001
TFTR001	13	14		1565	4960	0.49599999	0.1565
TFTR001	14	16		2570	1850	0.185	0.257
TFTR001	16	18		3350	6810	0.68099999	0.33500001
TFTR001	18	20		2810	6880	0.68800002	0.28099999
TFTR001	20	22		1130			0.113
TFTR001	22	24		745			7.45E-02
TFTR001	24	26		1160	4260	0.426	0.116
TFTR001	26	28		429	1860	0.186	0.0429
TFTR001	28	30		254	961	9.61E-02	0.0254
TFTR001	30	32		45	798	7.98E-02	4.50E-03
TFTR001	32	34		37	301	3.01E-02	0.0037
TFTR001	34	36		39	356	3.56E-02	3.90E-03
TFTR001	36	38		35	401	4.01E-02	3.50E-03
TFTR002	0	1		2910			0.29100001
TFTR002	1	2		1850			0.185
TFTR002	2	3		5890			0.58899999
TFTR002	3	4		8240			0.824
TFTR002	4	5		4500			0.44999999
TFTR002	5	6		5700			0.56999999
TFTR002	6	7		2700			0.27000001
TFTR002	7	8		705			7.05E-02
TFTR002	8	9		1240			0.124
TFTR002	9	10		1030			0.103
TFTR002	10	11		3060			0.30599999
TFTR002	11	12		1405			0.14049999
TFTR002	12	13		998	3930	0.39300001	9.98E-02
TFTR002	13	14		8970			0.89700001
TFTR002	14	15		7190			0.71899998
TFTR002	15	16		4790			0.479
TFTR002	16	17		5050			0.505
TFTR002	17	18		9930			0.99299997
TFTR002	18	19		9110			0.91100001
TFTR002	19	20		7800			0.77999997
TFTR002	20	21		4020			0.40200001

TFTR002	21	22	2750			0.27500001
TFTR002	22	23	4370			0.43700001
TFTR002	23	24	4170			0.417
TFTR002	24	25	905			9.05E-02
TFTR002	25	26	1530			0.153
TFTR002	26	27	5870			0.58700001
TFTR002	27	28	2880			0.28799999
TFTR002	28	29	983			9.83E-02
TFTR002	29	30	803			8.03E-02
TFTR002	30	31	1275			0.1275
TFTR002	31	32	638			0.0638
TFTR002	32	33	1610			0.161
TFTR002	33	34	1035	5710	0.57099998	0.1035
TFTR003	0	2	3390	2920	0.292	0.33899999
TFTR003	2	4	3650			0.36500001
TFTR003	4	7	4040			0.40400001
TFTR003	10	12	1265			0.1265
TFTR003	12	14	782			7.82E-02
TFTR003	14	16	279	8310	0.83099997	2.79E-02
TFTR003	16	20	106	779	0.0779	0.0106
TFTR003	20	24	229	1435	0.1435	0.0229
TFTR003	24	28	179	2520	0.252	1.79E-02
TFTR003	28	32	304	4160	0.41600001	3.04E-02
TFTR004	0	4	1710	956	9.56E-02	0.171
TFTR004	4	8	3270	1505	0.1505	0.32699999
TFTR004	8	12	2790	1215	0.1215	0.27900001
TFTR004	12	16	1535	1530	0.153	0.15350001
TFTR004	16	20	5070	4080	0.40799999	0.50700003
TFTR004	20	24	2400	3380	0.338	0.23999999
TFTR004	24	28	322	905	9.05E-02	3.22E-02
TFTR004	28	32	219	798	7.98E-02	0.0219
TFTR004	32	36	239	1065	0.1065	0.0239
TFTR004	36	40	257	1400	0.14	2.57E-02
TFTR004	40	44	186	2290	0.229	0.0186
TFTR004	44	48	737	1800	0.18000001	7.37E-02
TFTR004	48	52	160	1040	0.104	1.60E-02
TFTR004	52	56	225	2930	0.29300001	2.25E-02
TFTR004	56	59	118	1595	0.1595	0.0118
TFTR004	59	60	95			9.50E-03
TFTR004	60	61	56	1015	0.1015	5.60E-03
TFTR004	61	63	162			0.0162
TFTR004	63	65	133			0.0133
TFTR004	65	67	103	6060	0.60600001	0.0103
TFTR004	67	71	99	1660	0.16599999	9.90E-03
TFTR004	71	75	38	364	3.64E-02	3.80E-03
TFTR004	75	78	149	1865	0.1865	0.0149
TFTR004	78	81	124	1710	0.171	0.0124
TFTR005	0	1	645			6.45E-02
TFTR005	1	5	251	2620	0.26199999	0.0251
TFTR005	5	9	247	2280	0.228	2.47E-02
TFTR005	9	13	413	2480	0.248	4.13E-02
TFTR005	13	17	269	2560	0.25600001	2.69E-02
TFTR005	17	21	460	1200	0.12	0.046
TFTR005	21	25	157	434	4.34E-02	1.57E-02
TFTR005	25	29	100	675	6.75E-02	1.00E-02
TFTR005	29	33	89	1175	0.1175	8.90E-03
TFTR005	33	37	114	9550	0.95499998	0.0114
TFTR005	37	38	556			5.56E-02
TFTR005	38	40	998			9.98E-02
TFTR005	40	43	544	4340	0.43399999	5.44E-02
TFTR005	43	44	678			0.0678
TFTR005	44	48	238	2530	0.25299999	2.38E-02
TFTR005	48	52	229	2650	0.26499999	0.0229

TFTR005	52	56		143	1385	0.13850001	0.0143
TFTR005	56	60		560	3010	0.301	5.60E-02
TFTR005	60	64		1545	2020	0.20200001	0.15449999
TFTR005	64	68		648	1970	0.197	6.48E-02
TFTR005	68	72		140	2220	0.222	0.014
TFTR005	72	75		219	1270	0.127	0.0219
TFTR005	75	78		310			3.10E-02
TFTR006	0	2		1925	4360	0.43599999	0.1925
TFTR006	2	4		7770			0.77700001
TFTR006	4	6					
TFTR006	6	8		4060			0.40599999
TFTR006	8	10		5720			0.57200003
TFTR006	10	12		610			6.10E-02
TFTR006	12	14		798			7.98E-02
TFTR006	14	16		974			9.74E-02
TFTR006	16	18		794			7.94E-02
TFTR006	18	20		600			6.00E-02
TFTR006	20	22		666			6.66E-02
TFTR006	22	24		394			0.0394
TFTR006	24	26		1015			0.1015
TFTR006	26	28		666			6.66E-02
TFTR006	28	30		440			0.044
TFTR006	30	32		174			0.0174
TFTR006	32	34		517			0.0517
TFTR006	34	36		425	9050	0.90499997	0.0425
TFTR006	36	38		415			4.15E-02
TFTR006	38	40		1300			0.13
TFTR006	40	42		1410			0.141
TFTR006	42	44		1760			0.176
TFTR006	44	46		354			3.54E-02
TFTR006	46	48		251	1605	0.1605	0.0251
TFTR006	48	50		307	2360	0.236	0.0307
TFTR006	50	52		494	1525	0.1525	4.94E-02
TFTR006	52	54		1150	5570	0.55699998	0.115
TFTR006	54	56		929	3150	0.315	9.29E-02
TFTR006	56	58		479			4.79E-02
TFTR006	58	60		3050			0.30500001
TFTR006	60	62					
TFTR007	0	2		1000	4200	0.41999999	0.1
TFTR007	2	4		1400	5200	0.51999998	0.14
TFTR007	4	6		700	2080	0.208	0.07
TFTR007	6	8		700	5	5.00E-04	0.07
TFTR007	8	10		1000	2260	0.226	0.1
TFTR007	10	12		1000	2470	0.24699999	0.1
TFTR007	12	14		600	1620	0.162	6.00E-02
TFTR007	14	16		2400	710	7.10E-02	0.23999999
TFTR007	16	18		5400	2510	0.25099999	0.54000002
TFTR007	18	20		1900	5	5.00E-04	0.19
TFTR007	20	22		700	5	5.00E-04	0.07
TFTR007	22	24		400	5	5.00E-04	4.00E-02
TFTR007	24	26		500	5	5.00E-04	5.00E-02
TFTR007	26	28		900	2930	0.29300001	9.00E-02
TFTR007	28	30		1000	3010	0.301	0.1
TFTR007	30	32		600	1960	0.19599999	6.00E-02
TFTR007	32	34		800	4460	0.44600001	8.00E-02
TFTR007	34	36		900	4020	0.40200001	9.00E-02
TFTR007	36	38		500	2090	0.20900001	5.00E-02
TFTR007	38	40		900	2560	0.25600001	9.00E-02
TFTR007	40	42		200	920	0.092	0.02
TFTR007	42	44		500	1640	0.164	5.00E-02
TFDH001	0	0.40000001	3.00E-02	1300	4370	0.43700001	0.13
TFDH001	0.40000001	1	1.00E-02	2480	12500	1.25	0.248
TFDH001	1	2	-1.00E-02	3090	18900	1.89	0.30899999

TFDH001	2	3	-1.00E-02	2270	12750	1.275	0.227
TFDH001	3	5	-1.00E-02	1710	13850	1.385	0.171
TFDH001	5	6	-1.00E-02	1120	23400	2.3399999	0.112
TFDH001	6	7	-1.00E-02	1630	26900	2.6900001	0.163
TFDH001	7	8	-1.00E-02	1590	35700	3.5699999	0.15899999
TFDH001	8	9	-1.00E-02	1200	30200	3.02	0.12
TFDH001	9	10	-1.00E-02	750	7310	0.73100001	7.50E-02
TFDH001	10	11	-1.00E-02	480	7550	0.755	0.048
TFDH001	11	12	-1.00E-02	400	9610	0.96100003	4.00E-02
TFDH001	12	13	1.00E-02	440	8800	0.88	0.044
TFDH001	13	14	-1.00E-02	230	5290	0.52899998	0.023
TFDH001	14	15	-1.00E-02	220	5600	0.56	0.022
TFDH001	15	16	8.00E-02	390	6280	0.62800002	3.90E-02
TFDH001	16	17	1.00E-02	440	6310	0.63099998	0.044
TFDH001	17	18	-1.00E-02	320	5720	0.57200003	3.20E-02
TFDH001	18	19	-1.00E-02	350	9530	0.95300001	0.035
TFDH001	19	20	1.00E-02	250	20000	2	0.025
TFDH001	20	21	-1.00E-02	480	11200	1.12	0.048
TFDH001	21	22	-1.00E-02	320	15100	1.51	3.20E-02
TFDH001	22	23	-1.00E-02	410	15800	1.58	4.10E-02
TFDH001	23	24	1.00E-02	560	31500	3.1500001	5.60E-02
TFDH001	24	25	-1.00E-02	610	27800	2.78	6.10E-02
TFDH001	25	26	-1.00E-02	590	31000	3.0999999	0.059
TFDH001	26	27	-1.00E-02	760	14350	1.4349999	7.60E-02
TFDH001	27	28	-1.00E-02	1030	11750	1.175	0.103
TFDH001	28	29	-1.00E-02	860	14000	1.4	8.60E-02
TFDH001	29	30	6.00E-02	850	15800	1.58	8.50E-02
TFDH001	30	31	8.00E-02	1710	8850	0.88499999	0.171
TFDH001	31	32	0.20999999	2770	5650	0.565	0.27700001
TFDH001	32	33	0.15000001	2410	17950	1.795	0.241
TFDH001	33	34	8.00E-02	950	33400	3.3399999	9.50E-02
TFDH001	34	35	8.00E-02	500	23100	2.3099999	5.00E-02
TFDH001	35	36	0.13	210	18900	1.89	0.021
TFDH001	36	37	0.13	190	18100	1.8099999	1.90E-02
TFDH001	37	38	6.00E-02	900	28600	2.8599999	9.00E-02
TFDH001	38	39	0.11	2690	54900	5.4899998	0.26899999
TFDH001	39	40	-1.00E-02	380	16600	1.66	3.80E-02
TFDH001	40	41	0.18000001	430	33600	3.3599999	4.30E-02
TFDH001	41	42	0.13	2580	86600	8.6599998	0.25799999
TFDH001	42	43	6.00E-02	3400	169500	16.950001	0.34
TFDH001	43	44	4.00E-02	5790	144000	14.4	0.579
TFDH001	44	45	1.00E-02	6910	276000	27.6	0.69099998
TFDH001	45	46	4.00E-02	9300	181500	18.15	0.93000001
TFDH001	46	47	3.00E-02	5690	178500	17.85	0.56900001
TFDH001	47	48	6.00E-02	4580	83100.008	8.3100004	0.458
TFDH001	48	49	6.00E-02	2520	42900	4.29	0.252
TFDH001	49	50	0.14	920	37500	3.75	0.092
TFDH001	50	51	4.00E-02	920	26100	2.6099999	0.092
TFDH001	51	52	0.1	2420	26100	2.6099999	0.242
TFDH001	52	53	6.00E-02	2980	64600	6.46	0.29800001
TFDH001	53	54	6.00E-02	2620	26200	2.6199999	0.26199999
TFDH001	54	55	4.00E-02	20600	38300	3.8299999	2.0599999
TFDH001	55	56	6.00E-02	3980	123000	12.3	0.398
TFDH001	56	57	0.1	710	23400	2.3399999	7.10E-02
TFDH001	57	58	0.11	970	22500	2.25	9.70E-02
TFDH001	58	59	-1.00E-02	20700	118500	11.85	2.0699999
TFDH001	59	60	3.00E-02	9010	106000	10.6	0.90100002
TFDH001	60	61	6.00E-02	3890	49800	4.98	0.389
TFDH001	61	62	4.00E-02	5220	71000	7.0999999	0.52200001
TFDH001	62	63	4.00E-02	3500	48800	4.8800001	0.34999999
TFDH001	63	64	6.00E-02	720	97700.008	9.7700005	7.20E-02
TFDH001	64	65	0.07	1220	123000	12.3	0.122
TFDH001	65	66	8.00E-02	750	90300	9.0299997	7.50E-02

TFDH001	66	67	6.00E-02	3460	164000	16.4	0.34599999
TFDH001	70	73	6.00E-02	3190	134500	13.45	0.31900001
TFDH001	73	74	0.13	680	80900	8.0900002	6.80E-02
TFDH001	74	75					
TFDH001	75	76	8.00E-02	2580	11200	1.12	0.25799999
TFDH001	76	77	8.00E-02	1880	6390	0.639	0.18799999
TFDH001	77	78	4.00E-02	2310	34100	3.4100001	0.23100001
TFDH001	78	79	6.00E-02	8470	128000	12.8	0.847
TFDH001	79	82	6.00E-02	1370	64200	6.4200001	0.13699999
TFDH001	82	83	0.07	1980	4580	0.458	0.198
TFDH001	83	84	0.07	1120	3760	0.37599999	0.112
TFDH001	84	86	1.00E-02	2310	87400	8.7399998	0.23100001
TFDH001	86	87	1.00E-02	1240	34500	3.45	0.124
TFDH001	87	88	1.00E-02	650	34900	3.49	6.50E-02
TFDH001	88	89	1.00E-02	580	27500	2.75	5.80E-02
TFDH001	89	90	1.00E-02	1010	21500	2.1500001	0.101
TFDH001	90	91	1.00E-02	1420	49700	4.9699998	0.142
TFDH001	91	92	1.00E-02	380	26300	2.6300001	3.80E-02
TFDH001	92	93	1.00E-02	1200	18050	1.8049999	0.12
TFDH001	93	94	3.00E-02	30	8660	0.866	0.003
TFDH001	94	95	3.00E-02	120	1220	0.122	0.012
TFDH001	95	96	6.00E-02	80	1020	0.102	8.00E-03
TFDH001	96	97	4.00E-02	230	5550	0.55500001	0.023
TFDH001	97	98	3.00E-02	260	21900	2.1900001	2.60E-02
TFDH001	98	99	3.00E-02	1400	29100	2.9100001	0.14
TFDH001	99	100	1.00E-02	4710	22800	2.28	0.47099999
TFDH001	100	101	3.00E-02	420	19250	1.925	4.20E-02
TFDH001	101	102	1.00E-02	4070	76700	7.6700001	0.40700001
TFDH001	102	103	1.00E-02	2730	21900	2.1900001	0.273
TFDH001	103	104	1.00E-02	1730	77900	7.79	0.17299999
TFDH001	104	105	3.00E-02	4040	42200	4.2199998	0.40400001
TFDH001	105	106	3.00E-02	710	12050	1.205	7.10E-02
TFDH001	106	107	3.00E-02	1780	39400	3.9400001	0.178
TFDH001	107	108	4.00E-02	2940	39300	3.9300001	0.294
TFDH001	108	109	3.00E-02	370	43400	4.3400002	0.037
TFDH001	109	110	3.00E-02	260	28300	2.8299999	2.60E-02
TFDH001	110	111	3.00E-02	400	17900	1.79	4.00E-02
TFDH001	111	112	-1.00E-02	3850	20900	2.0899999	0.38499999
TFDH001	112	113	3.00E-02	3850	42200	4.2199998	0.38499999
TFDH001	113	114	1.00E-02	780	39700	3.97	7.80E-02
TFDH001	114	115	3.00E-02	620	20100	2.01	6.20E-02
TFDH001	115	116	3.00E-02	100	6340	0.634	1.00E-02
TFDH001	116	117	6.00E-02	340	6900	0.69	3.40E-02
TFDH001	117	118	0.11	570	11600	1.16	0.057
TFDH001	118	119	0.22	1810	12350	1.235	0.18099999
TFDH001	119	120	6.00E-02	910	12450	1.245	9.10E-02
TFDH001	120	121	0.07	170	17300	1.73	1.70E-02
TFDH001	121	124	0.13	360	19300	1.9299999	3.60E-02
TFDH001	124	125	0.1	560	2240	0.22400001	5.60E-02
TFDH001	125	126	0.11	1840	24100	2.4100001	0.184
TFDH001	126	127	6.00E-02	200	4210	0.421	0.02
TFDH001	127	128	0.07	170	4470	0.447	1.70E-02
TFDH001	128	130	6.00E-02	210	3230	0.32300001	0.021
TFDH001	130	132	6.00E-02	490	3940	0.39399999	4.90E-02
TFDH001	132	134	8.00E-02	410	3310	0.331	4.10E-02
TFDH001	134	136	0.18000001	910	4110	0.41100001	9.10E-02
TFDH001	136	138	0.17	330	1640	0.164	0.033
TFDH001	138	140	0.22	1760	21100	2.1099999	0.176
TFDH001	140	142	0.14	200	3390	0.33899999	0.02
TFDH001	142	145	0.14	670	3640	0.36399999	6.70E-02
TFDH001	145	149	0.11	570	4760	0.47600001	0.057
TFDH001	149	152	0.2	190	20400	2.04	1.90E-02
TFDH001	152	155	0.15000001	120	48800	4.8800001	0.012

TFDH001	155	157	0.14	160	12150	1.215	1.60E-02
TFDH001	157	159	0.13	610	9740	0.97399998	6.10E-02
TFDH001	159	161.8	0.13	440	13750	1.375	0.044
TFDH002	0	2.0999999	1.00E-02	210	1360	0.13600001	0.021
TFDH002	2.0999999	4	1.00E-02	140	630	6.30E-02	0.014
TFDH002	4	6	4.00E-02	60	390	3.90E-02	6.00E-03
TFDH002	6	8	3.00E-02	30	700	0.07	0.003
TFDH002	8	10	1.00E-02	20	1080	0.108	2.00E-03
TFDH002	10	12	3.00E-02	30	860	8.60E-02	0.003
TFDH002	12	14	3.00E-02	10	1080	0.108	0.001
TFDH002	14	16	3.00E-02	60	1620	0.162	6.00E-03
TFDH002	16	18	1.00E-02	360	950	9.50E-02	3.60E-02
TFDH002	18	20	3.00E-02	50	1160	0.116	5.00E-03
TFDH002	20	21	1.00E-02	40	780	7.80E-02	4.00E-03
TFDH002	21	22	3.00E-02	210	990	9.90E-02	0.021
TFDH002	22	23	1.00E-02	430	2470	0.24699999	4.30E-02
TFDH002	23	24	3.00E-02	40	8710	0.87099999	4.00E-03
TFDH002	24	26.1	1.00E-02	310	9170	0.917	3.10E-02
TFDH002	26.1	27	-1.00E-02	830	4370	0.43700001	8.30E-02
TFDH002	27	29.1	1.00E-02	630	20100	2.01	6.30E-02
TFDH002	29.1	30	1.00E-02	290	16650	1.665	2.90E-02
TFDH002	30	32.099998	1.00E-02	420	21700	2.1700001	4.20E-02
TFDH002	32.099998	35.099998	1.00E-02	30	4770	0.477	0.003
TFDH002	35.099998	36	1.00E-02	60	41700	4.1700001	6.00E-03
TFDH002	36	37.700001	1.00E-02	190	58900	5.8899999	1.90E-02
TFDH002	37.700001	39	1.00E-02	140	107000	10.7	0.014
TFDH002	39	41.099998	1.00E-02	30	83100.008	8.3100004	0.003
TFDH002	41.099998	43.400002	3.00E-02	70	6670	0.667	7.00E-03
TFDH002	43.400002	44.700001	3.00E-02	150	1860	0.186	0.015
TFDH002	44.700001	45.700001	1.00E-02	100	430	4.30E-02	1.00E-02
TFDH002	45.700001	47.099998	1.00E-02	110	900	9.00E-02	0.011
TFDH002	47.099998	49.200001	1.00E-02	140	990	9.90E-02	0.014
TFDH002	49.200001	50.099998	1.00E-02	130	2550	0.255	0.013
TFDH002	50.099998	51.599998	1.00E-02	190	3940	0.39399999	1.90E-02
TFDH002	51.599998	53.099998	3.00E-02	160	1220	0.122	1.60E-02
TFDH002	53.099998	55.099998	1.00E-02	140	9560	0.95599997	0.014
TFDH002	55.099998	57.900002	1.00E-02	130	3840	0.384	0.013
TFDH002	57.900002	60	1.00E-02	180	7020	0.70200002	1.80E-02
TFDH002	60	62	1.00E-02	80	3240	0.324	8.00E-03
TFDH002	62	64	1.00E-02	70	2430	0.243	7.00E-03
TFDH002	64	66	1.00E-02	40	1760	0.176	4.00E-03
TFDH002	66	69	1.00E-02	50	2210	0.221	5.00E-03
TFDH002	69	70	1.00E-02	40	1880	0.18799999	4.00E-03
TFDH002	70	71.099998	1.00E-02	120	2940	0.294	0.012
TFDH002	71.099998	72					
TFDH002	72	73	6.00E-02	340	25000	2.5	3.40E-02
TFDH002	73	75	3.00E-02	350	4020	0.40200001	0.035
TFDH002	75	77	1.00E-02	250	3610	0.361	0.025
TFDH002	77	78	6.00E-02	420	3310	0.331	4.20E-02
TFDH002	78	79.5	6.00E-02	1810	12300	1.23	0.18099999
TFDH002	79.5	81	6.00E-02	600	3020	0.30199999	6.00E-02
TFDH002	81	82.199997	6.00E-02	710	3720	0.37200001	7.10E-02
TFDH002	82.199997	83.5	6.00E-02	690	2840	0.28400001	6.90E-02
TFDH002	83.5	84.5	6.00E-02	650	3140	0.31400001	6.50E-02
TFDH002	84.5	87.5	0.07	570	5420	0.542	0.057
TFDH002	87.5	89.099998	6.00E-02	830	12050	1.205	8.30E-02
TFDH002	89.099998	90.800003	4.00E-02	740	23200	2.3199999	7.40E-02
TFDH002	90.800003	92.5	4.00E-02	810	19950	1.995	0.081
TFDH002	92.5	93.5	4.00E-02	200	5630	0.56300002	0.02
TFDH002	93.5	95.099998	6.00E-02	160	9280	0.92799997	1.60E-02
TFDH002	95.099998	96	4.00E-02	810	16000	1.6	0.081
TFDH002	96	97	6.00E-02	940	8560	0.85600001	9.40E-02
TFDH002	97	98	6.00E-02	340	12150	1.215	3.40E-02

TFDH002	98	99	4.00E-02	400	13650	1.365	4.00E-02
TFDH002	99	101.1	4.00E-02	520	20200	2.02	5.20E-02
TFDH002	101.1	103.7	6.00E-02	80	7370	0.73699999	8.00E-03
TFDH002	103.7	105	6.00E-02	200	11200	1.12	0.02
TFDH002	105	106	6.00E-02	260	19600	1.96	2.60E-02
TFDH002	106	107	4.00E-02	370	26800	2.6800001	0.037
TFDH002	107	108	6.00E-02	440	12750	1.275	0.044
TFDH002	108	109	0.07	370	6500	0.64999998	0.037
TFDH002	109	110	6.00E-02	120	1900	0.19	0.012
TFDH002	110	112	6.00E-02	210	2170	0.21699999	0.021
TFDH002	112	114	6.00E-02	350	4170	0.417	0.035
TFDH002	114	116	6.00E-02	180	5130	0.51300001	1.80E-02
TFDH002	116	118	6.00E-02	250	8860	0.88599998	0.025
TFDH002	118	119.1	0.11	690	21700	2.1700001	6.90E-02
TFDH002	119.1	121	2.74	1500	240	0.024	0.15000001
TFDH002	121	123	4.6900001	40	30	0.003	4.00E-03
TFDH002	123	125	7.02	100	60	6.00E-03	1.00E-02
TFDH002	126	127	6.6300001	190	70	7.00E-03	1.90E-02
TFDH002	127	129	7.02	40	40	4.00E-03	4.00E-03
TFDH002	129	131	4.7600002	270	10250	1.025	2.70E-02
TFDH002	131	132	7.4400001	120	8370	0.83700001	0.012
TFDH002	132	134.10001	7.1900001	170	12400	1.24	1.70E-02
TFDH002	134.10001	136	4.6900001	280	11050	1.105	2.80E-02
TFDH002	136	137.10001	0.56999999	310	35200	3.52	3.10E-02
TFDH002	137.10001	139.2	0.27000001	630	18600	1.86	6.30E-02
TFDH002	139.2	140.8	0.22	220	16500	1.65	0.022
TFDH002	140.8	143	8.2299995	120	11650	1.165	0.012
TFDH002	143	145	19.25	40	5990	0.59899998	4.00E-03
TFDH002	145	147	20.6	90	1460	0.146	9.00E-03
TFDH002	147	149	22	50	840	8.40E-02	5.00E-03
TFDH002	149	151	19.25	90	450	4.50E-02	9.00E-03
TFDH002	151	153.3	21.299999	90	410	4.10E-02	9.00E-03
TFDH003	0	1	0.28999999	3510	101000	10.1	0.35100001
TFDH003	1	2	0.11	5790	133500	13.35	0.579
TFDH003	2	3	6.00E-02	6520	114000	11.4	0.65200001
TFDH003	3	4	0.1	4460	76100	7.6100001	0.44600001
TFDH003	4	5	0.07	5220	60600	6.0599999	0.52200001
TFDH003	5	6	6.00E-02	2880	128500	12.85	0.28799999
TFDH003	6	7	0.1	2920	63500	6.3499999	0.292
TFDH003	7	8	4.00E-02	4380	119500	11.95	0.43799999
TFDH003	8	9	1.00E-02	12100	230000	23	1.21
TFDH003	9	10	3.00E-02	6630	93200	9.3199997	0.66299999
TFDH003	10	11	0.07	1000	79800	7.98	0.1
TFDH003	11	12	8.00E-02	1190	58800	5.8800001	0.119
TFDH003	12	13	6.00E-02	1660	63700	6.3699999	0.16599999
TFDH003	13	14.2	6.00E-02	4470	38500	3.8499999	0.447
TFDH003	14.2	15	8.00E-02	4310	50300	5.0300002	0.43099999
TFDH003	15	17.200001	8.00E-02	3520	57400	5.7399998	0.352
TFDH003	17.200001	18	6.00E-02	2570	57500	5.75	0.257
TFDH003	18	20.200001	4.00E-02	4740	87900	8.79	0.47400001
TFDH003	20.200001	23.200001	4.00E-02	6570	125000	12.5	0.65700001
TFDH003	23.200001	26.200001	4.00E-02	4020	149000	14.9	0.40200001
TFDH003	26.200001	27	3.00E-02	4510	205000	20.5	0.45100001
TFDH003	27	28	4.00E-02	4380	130500	13.05	0.43799999
TFDH003	28	29	4.00E-02	5500	104500	10.45	0.55000001
TFDH003	29	30.9	6.00E-02	4980	104500	10.45	0.498
TFDH003	30.9	32.200001	4.00E-02	9580	68000	6.8000002	0.958
TFDH003	32.200001	35.200001	6.00E-02	6170	69100	6.9099998	0.61699998
TFDH003	35.200001	38.200001	4.00E-02	1440	56600	5.6599998	0.14399999
TFDH003	38.200001	39	4.00E-02	3250	51700	5.1700001	0.32499999
TFDH003	39	40	4.00E-02	400	10100	1.01	4.00E-02
TFDH003	40	41	6.00E-02	290	14950	1.495	2.90E-02
TFDH003	41	42	6.00E-02	190	24300	2.4300001	1.90E-02

TFDH003	42	43	0.07	130	12400	1.24	0.013
TFDH003	43	44.200001	6.00E-02	260	27200	2.72	2.60E-02
TFDH003	44.200001	47	6.00E-02	540	37900	3.79	5.40E-02
TFDH003	47	48.200001	6.00E-02	280	21800	2.1800001	2.80E-02
TFDH003	48.200001	49.5	6.00E-02	470	30400	3.04	4.70E-02
TFDH003	49.5	51	4.00E-02	1970	39500	3.95	0.197
TFDH003	51	52	6.00E-02	1260	34900	3.49	0.126
TFDH003	52	53	6.00E-02	120	9830	0.98299998	0.012
TFDH003	53	54	6.00E-02	1440	90100	9.0100002	0.14399999
TFDH003	54	55	0.07	710	23400	2.3399999	7.10E-02
TFDH003	55	56	0.07	260	18450	1.845	2.60E-02
TFDH003	56	57	6.00E-02	240	42300	4.23	0.024
TFDH003	57	58	6.00E-02	350	6840	0.68400002	0.035
TFDH003	58	59	6.00E-02	440	11500	1.15	0.044
TFDH003	59	60	6.00E-02	580	13000	1.3	5.80E-02
TFDH003	60	61	4.00E-02	240	6150	0.61500001	0.024
TFDH003	61	63	6.00E-02	300	14950	1.495	3.00E-02
TFDH003	63	64	0.20999999	520	8730	0.87300003	5.20E-02
TFDH003	64	65	0.20999999	300	4970	0.49700001	3.00E-02
TFDH003	65	66	0.28	500	6360	0.63599998	5.00E-02
TFDH003	66	67	4.00E-02	430	7680	0.76800001	4.30E-02
TFDH003	67	68	8.00E-02	290	5390	0.53899997	2.90E-02
TFDH003	68	69	3.00E-02	590	11050	1.105	0.059
TFDH003	69	70	4.00E-02	360	9330	0.93300003	3.60E-02
TFDH003	70	71.199997	4.00E-02	380	6010	0.60100001	3.80E-02
TFDH003	71.199997	72	3.00E-02	290	7180	0.71799999	2.90E-02
TFDH003	72	73	3.00E-02	460	13450	1.345	0.046
TFDH003	73	74.199997	3.00E-02	150	9590	0.95899999	0.015
TFDH003	74.199997	75	4.00E-02	670	21900	2.1900001	6.70E-02
TFDH003	75	76	6.00E-02	420	26800	2.6800001	4.20E-02
TFDH003	76	77.199997	8.00E-02	240	24800	2.48	0.024
TFDH003	77.199997	78	8.00E-02	710	37600	3.76	7.10E-02
TFDH003	78	79	0.14	1040	72200	7.2199998	0.104
TFDH003	79	80.199997	6.00E-02	980	24600	2.46	9.80E-02
TFDH003	80.199997	81	0.1	670	46100	4.6100001	6.70E-02
TFDH003	81	82	8.00E-02	1020	14150	1.415	0.102
TFDH003	82	83	0.17	520	7190	0.71899998	5.20E-02
TFDH003	83	84	0.88	1780	25600	2.5599999	0.178
TFDH003	84	85	8.00E-02	1140	22800	2.28	0.114
TFDH003	85	86	3.00E-02	530	37400	3.74	5.30E-02
TFDH003	86	87	1.00E-02	260	51100	5.1100001	2.60E-02
TFDH003	87	88.5	8.00E-02	340	47700	4.77	3.40E-02
TFDH003	88.5	90	0.11	530	43200	4.3200002	5.30E-02
TFDH003	90	91	4.00E-02	210	46500	4.6500001	0.021
TFDH003	91	92	6.00E-02	4340	56200	5.6199999	0.43399999
TFDH003	92	93	0.81	450	29600	2.96	4.50E-02
TFDH003	93	94	0.20999999	380	39600	3.96	3.80E-02
TFDH003	94	95	0.15000001	250	20700	2.0699999	0.025
TFDH003	95	98	0.22	190	48400	4.8400002	1.90E-02
TFDH003	98	99.400002	0.14	250	31300	3.1300001	0.025
TFDH003	99.400002	101.2	0.28	250	39400	3.9400001	0.025
TFDH003	101.2	102	0.2	450	28100	2.8099999	4.50E-02
TFDH003	102	103	0.2	2970	80200.008	8.0200005	0.29699999
TFDH003	103	104.2	0.14	1250	61600	6.1599998	0.125
TFDH003	104.2	105.6	0.2	780	31900	3.1900001	7.80E-02
TFDH003	105.6	107.2	5.8099999	820	14500	1.45	8.20E-02
TFDH003	107.2	108	9.8599997	1140	1020	0.102	0.114
TFDH003	108	110	17.35	3560	580	5.80E-02	0.35600001
TFDH003	110	112	5.3699999	210	80	8.00E-03	0.021
TFDH003	112	114	5.9000001	130	80	8.00E-03	0.013
TFDH003	114	116	12.8	80	200	0.02	8.00E-03
TFDH003	116	118	5.8099999	70	80	8.00E-03	7.00E-03
TFDH003	118	120	5.4699998	70	70	7.00E-03	7.00E-03

TFDH003	120	122	5.1199999	70	90	9.00E-03	7.00E-03
TSRC001	0	4	-5.00E-02	130	300	3.00E-02	0.013
TSRC001	4	8	-5.00E-02	80	100	1.00E-02	8.00E-03
TSRC001	8	12	-5.00E-02	90	100	1.00E-02	9.00E-03
TSRC001	12	16	-5.00E-02	90	400	4.00E-02	9.00E-03
TSRC001	16	20	0.07	220	300	3.00E-02	0.022
TSRC001	20	24	0.07	220	300	3.00E-02	0.022
TSRC001	24	27	6.00E-02	230	200	0.02	0.023
TSRC001	27	30	6.00E-02	150	100	1.00E-02	0.015
TSRC002	0	4	-5.00E-02	720	300	3.00E-02	7.20E-02
TSRC002	4	8	-5.00E-02	1010	400	4.00E-02	0.101
TSRC002	8	12	-5.00E-02	860	400	4.00E-02	8.60E-02
TSRC002	12	16	-5.00E-02	490	400	4.00E-02	4.90E-02
TSRC002	16	20	-5.00E-02	680	500	5.00E-02	6.80E-02
TSRC002	20	24	5.00E-02	280	500	5.00E-02	2.80E-02
TSRC002	24	28	5.00E-02	200	600	6.00E-02	0.02
TSRC002	28	32	-5.00E-02	370	700	0.07	0.037
TSRC002	32	36	-5.00E-02	200	800	8.00E-02	0.02
TSRC002	36	38	-5.00E-02	110	3700	0.37	0.011
TSRC002	38	40	-5.00E-02	360	2300	0.23	3.60E-02
TSRC002	40	42	0.11	870	12400	1.24	8.70E-02
TSRC002	42	44	8.00E-02	250	5800	0.57999998	0.025
TSRC002	44	46	-5.00E-02	260	6900	0.69	2.60E-02
TSRC002	46	48	-5.00E-02	170	9400	0.94	1.70E-02
TSRC002	48	50	-5.00E-02	290	13100	1.3099999	2.90E-02
TSRC002	50	52	-5.00E-02	450	4200	0.41999999	4.50E-02
TSRC002	52	54	-5.00E-02	620	10000	1	6.20E-02
TSRC002	54	56	-5.00E-02	550	8500	0.85000002	0.055
TSRC002	56	58	-5.00E-02	460	16000	1.6	0.046
TSRC002	58	60	-5.00E-02	490	37600	3.76	4.90E-02
TSRC002	60	62	-5.00E-02	780	33100	3.3099999	7.80E-02
TSRC002	62	63	-5.00E-02	650	24200	2.4200001	6.50E-02
TSRC002	63	64	-5.00E-02	420	67300	6.73	4.20E-02
TSRC002	64	65	-5.00E-02	300	34700	3.47	3.00E-02
TSRC002	65	66	-5.00E-02	330	30600	3.0599999	0.033
TSRC002	66	67	-5.00E-02	480	38000	3.8	0.048
TSRC002	67	68	-5.00E-02	410	79600	7.96	4.10E-02
TSRC002	68	69	-5.00E-02	440	125000	12.5	0.044
TSRC002	69	70	-5.00E-02	400	137500	13.75	4.00E-02
TSRC002	70	71	-5.00E-02	440	82800	8.2799997	0.044
TSRC002	71	72	-5.00E-02	390	34600	3.46	3.90E-02
TSRC003	0	4	0.07	330	1600	0.16	0.033
TSRC003	4	8	9.00E-02	340	700	0.07	3.40E-02
TSRC003	8	12	9.00E-02	400	400	4.00E-02	4.00E-02
TSRC003	12	16	-5.00E-02	200	400	4.00E-02	0.02
TSRC003	16	20	-5.00E-02	160	500	5.00E-02	1.60E-02
TSRC003	20	24	-5.00E-02	160	500	5.00E-02	1.60E-02
TSRC003	24	28	-5.00E-02	230	600	6.00E-02	0.023
TSRC003	28	32	-5.00E-02	190	500	5.00E-02	1.90E-02
TSRC003	32	36	-5.00E-02	240	700	0.07	0.024
TSRC003	36	40	-5.00E-02	150	800	8.00E-02	0.015
TSRC003	40	44	5.00E-02	250	600	6.00E-02	0.025
TSRC003	44	48	0.1	320	1100	0.11	3.20E-02
TSRC003	48	52	0.07	150	800	8.00E-02	0.015
TSRC003	52	56	0.25	90	200	0.02	9.00E-03
TSRC003	56	60	0.27000001	170	400	4.00E-02	1.70E-02
TSRC003	60	64	2.1400001	80	100	1.00E-02	8.00E-03
TSRC003	64	68	0.76999998	930	900	9.00E-02	9.30E-02
TSRC003	68	72	5.00E-02	3630	2500	0.25	0.36300001
TSRC004	0	1	-5.00E-02	60	106500	10.65	6.00E-03
TSRC004	1	2	-5.00E-02	70	86300	8.6300001	7.00E-03
TSRC004	2	3	-5.00E-02	90	111500	11.15	9.00E-03
TSRC004	3	4	-5.00E-02	10	9100	0.91000003	0.001

TSRC004	4	5	-5.00E-02	30	29600	2.96	0.003
TSRC004	5	6	-5.00E-02	590	111500	11.15	0.059
TSRC004	6	7	-5.00E-02	470	103000	10.3	4.70E-02
TSRC004	7	8	-5.00E-02	1990	35100	3.51	0.199
TSRC004	8	9	-5.00E-02	670	4800	0.47999999	6.70E-02
TSRC004	9	10	-5.00E-02	360	28300	2.8299999	3.60E-02
TSRC004	10	11	-5.00E-02	100	23600	2.3599999	1.00E-02
TSRC004	11	12	-5.00E-02	30	3300	0.33000001	0.003
TSRC004	12	13	-5.00E-02	50	6100	0.61000001	5.00E-03
TSRC004	13	14	-5.00E-02	10	2400	0.23999999	0.001
TSRC004	14	15	-5.00E-02	70	48300	4.8299999	7.00E-03
TSRC004	15	16	-5.00E-02	10	5000	0.5	0.001
TSRC004	16	17	-5.00E-02	10	15500	1.55	0.001
TSRC004	17	18	-5.00E-02	30	58900	5.8899999	0.003
TSRC004	18	19	-5.00E-02	30	59300	5.9299998	0.003
TSRC004	19	20	-5.00E-02	70	88500	8.8500004	7.00E-03
TSRC004	20	21	-5.00E-02	150	77900	7.79	0.015
TSRC004	21	22	-5.00E-02	320	96000	9.6000004	3.20E-02
TSRC004	22	23	-5.00E-02	190	37200	3.72	1.90E-02
TSRC004	23	24	-5.00E-02	190	65300	6.5300002	1.90E-02
TSRC004	24	25	-5.00E-02	490	86500	8.6499996	4.90E-02
TSRC004	25	26	-5.00E-02	40	27100	2.71	4.00E-03
TSRC004	26	28	-5.00E-02	30	12600	1.26	0.003
TSRC004	28	30	-5.00E-02	160	2700	0.27000001	1.60E-02
TSRC004	30	31	-5.00E-02	250	6300	0.63	0.025
TSRC004	31	32	-5.00E-02	200	23700	2.3699999	0.02
TSRC004	32	34	-5.00E-02	50	17600	1.76	5.00E-03
TSRC004	34	36	-5.00E-02	600	6600	0.66000003	6.00E-02
TSRC004	36	37	-5.00E-02	680	38700	3.8699999	6.80E-02
TSRC004	37	38	-5.00E-02	750	70300	7.0300002	7.50E-02
TSRC004	38	39	-5.00E-02	240	37300	3.73	0.024
TSRC004	39	40	-5.00E-02	180	32000	3.2	1.80E-02
TSRC004	40	41	-5.00E-02	90	31600	3.1600001	9.00E-03
TSRC004	41	42	-5.00E-02	190	35200	3.52	1.90E-02
TSRC004	42	43	-5.00E-02	800	64000	6.4000001	8.00E-02
TSRC004	43	44	-5.00E-02	1040	29400	2.9400001	0.104
TSRC004	44	45	-5.00E-02	140	5500	0.55000001	0.014
TSRC004	45	46	-5.00E-02	450	27700	2.77	4.50E-02
TSRC004	46	47	-5.00E-02	1920	21200	2.1199999	0.192
TSRC004	47	48	-5.00E-02	1680	25800	2.5799999	0.168
TSRC004	48	49	-5.00E-02	3680	81000	8.1000004	0.368
TSRC004	49	50	-5.00E-02	2710	98700	9.8699999	0.271
TSRC004	50	51	-5.00E-02	410	75700	7.5700002	4.10E-02
TSRC004	51	52	-5.00E-02	580	57700	5.77	5.80E-02
TSRC004	52	53	-5.00E-02	460	10300	1.03	0.046
TSRC004	53	55	-5.00E-02	20	32900	3.29	2.00E-03
TSRC004	55	57	-5.00E-02	50	29800	2.98	5.00E-03
TSRC004	57	58	-5.00E-02	50	19800	1.98	5.00E-03
TSRC004	58	60	-5.00E-02	120	13300	1.33	0.012
TSRC004	60	61	-5.00E-02	70	20800	2.0799999	7.00E-03
TSRC004	61	62	-5.00E-02	180	16800	1.6799999	1.80E-02
TSRC004	62	63	-5.00E-02	330	14600	1.46	0.033
TSRC004	63	64	-5.00E-02	170	15500	1.55	1.70E-02
TSRC004	64	65	5.00E-02	340	30700	3.0699999	3.40E-02
TSRC004	65	66	5.00E-02	520	11800	1.1799999	5.20E-02
TSRC004	66	67	-5.00E-02	830	27900	2.79	8.30E-02
TSTR001	0	4		679	2330	0.233	6.79E-02
TSTR001	4	8		3310			0.331
TSTR001	8	12		1295	3070	0.30700001	0.1295
TSTR001	12	16		1715	1410	0.141	0.1715
TSTR001	16	20		767	1910	0.191	7.67E-02
TSTR001	20	22		114	1100	0.11	0.0114
TSTR001	22	23		182			1.82E-02

TSTR001	23	24		106			0.0106
TSTR001	24	26		133	1610	0.161	0.0133
TSTR001	26	28		57			5.70E-03
TSTR001	28	30		95			9.50E-03
TSTR001	30	32		64			6.40E-03
TSTR001	32	34		138			0.0138
TSTR001	34	36		1500			0.15000001
TSTR001	36	38		1395			0.13950001
TSTR001	38	42		389	4030	0.403	3.89E-02
TSTR001	42	46		369	2410	0.241	3.69E-02
TSTR001	46	48		188	2580	0.25799999	0.0188
TSTR001	48	50		128			0.0128
TSTR001	50	54		96	1430	0.14300001	9.60E-03
TSTR001	54	68		200	1515	0.1515	0.02
TSTR002	0	2		140	749	7.49E-02	0.014
TSTR002	2	4		234	1265	0.1265	2.34E-02
TSTR002	4	5		157			1.57E-02
TSTR002	5	6		264			0.0264
TSTR002	6	7		584			5.84E-02
TSTR002	7	8		899			8.99E-02
TSTR002	8	9		404			4.04E-02
TSTR002	9	10		422			4.22E-02
TSTR002	10	11		466			4.66E-02
TSTR002	11	12		378			3.78E-02
TSTR002	12	13		354			3.54E-02
TSTR002	13	14		230			0.023
TSTR002	14	15		250			0.025
TSTR002	15	16		257			2.57E-02
TSTR002	16	17		206			0.0206
TSTR002	17	18		367			3.67E-02
TSTR002	18	19		609			6.09E-02
TSTR002	19	20		288			0.0288
TSTR002	20	21		538			5.38E-02
TSTR002	21	22		197			0.0197
TSTR002	22	23		627			6.27E-02
TSTR002	23	24		927			9.27E-02
TSTR002	24	25		690			6.90E-02
TSTR002	25	26		563			5.63E-02
TSTR002	26	27		341			0.0341
TSTR003	0	2		212	698	6.98E-02	2.12E-02
TSTR003	2	4		149	8420	0.84200001	0.0149
TSTR003	4	6		164	1390	0.139	0.0164
TSTR003	6	8		142	2290	0.229	0.0142
TSTR003	8	10		138	3720	0.37200001	0.0138
TSTR003	10	12		138	1035	0.1035	0.0138
TSTR003	12	14		283	819	8.19E-02	0.0283
TSTR003	14	16		2680	3800	0.38	0.26800001
TSTR003	16	18		3140			0.31400001
TSTR003	18	20		9360			0.93599999
TSTR003	20	22		5920			0.59200001
TSTR003	22	24		1060			0.106
TSTR003	24	26		208	8040	0.80400002	0.0208
TSTR003	26	28		146			0.0146
TSTR003	28	30		956			9.56E-02
TSTR003	30	32		219	2180	0.21799999	0.0219
TSTR003	32	34		322	3190	0.31900001	3.22E-02
TSDH001	62	63	0.49000001	70	1320	0.132	7.00E-03
TSDH001	63	64	2.29	50	10	0.001	5.00E-03
TSDH001	64	65	3.04	50	20	2.00E-03	5.00E-03
TSDH001	65	66	3.4100001	60	-10	-0.001	6.00E-03
TSDH001	66	67	0.22	180	11300	1.13	1.80E-02
TSDH001	67	68	0.23999999	330	290	2.90E-02	0.033
TSDH001	68	69	0.41999999	300	120	0.012	3.00E-02

TSDH001	69	70	0.56999999	250	40	4.00E-03	0.025
TSDH001	70	71	1.2	450	10	0.001	4.50E-02
TSDH001	71	72	1.9	510	10	0.001	5.10E-02
TSDH001	72	73	0.94	360	1620	0.162	3.60E-02
TSDH001	73	74	0.15000001	230	1620	0.162	0.023
TSDH001	74	75	1.79	230	50	5.00E-03	0.023
TSDH001	75	76	2.99	400	540	5.40E-02	4.00E-02
TSDH001	76	77	0.18000001	310	770	0.077	3.10E-02
TSDH001	77	78	0.13	200	1180	0.118	0.02
TSDH001	78	79	0.07	220	62100	6.21	0.022
TSDH001	79	80	8.00E-02	280	1760	0.176	2.80E-02
TSDH001	80	81	8.00E-02	1000	1800	0.18000001	0.1
TSDH001	81	82	8.00E-02	290	1210	0.121	2.90E-02
TSDH001	82	83	0.07	200	1240	0.124	0.02
TSDH001	83	84.5	8.00E-02	190	1250	0.125	1.90E-02
TSDH001	84.5	86	6.00E-02	440	1700	0.17	0.044
TSDH001	88	89	0.07	450	2120	0.212	4.50E-02
TSDH001	89	92	6.00E-02	340	2540	0.25400001	3.40E-02
TSDH001	92	95	6.00E-02	4210	15650	1.5650001	0.421
TSDH001	95	96.5	4.00E-02	380	5770	0.57700002	3.80E-02
TSDH001	96.5	98	3.00E-02	400	32300	3.23	4.00E-02
TSDH001	98	99	3.00E-02	580	11350	1.135	5.80E-02
TSDH001	99	100	4.00E-02	300	7180	0.71799999	3.00E-02
TSDH001	100	101	3.00E-02	420	46800	4.6799998	4.20E-02
TSDH001	101	103.7	4.00E-02	20	15200	1.52	2.00E-03
TSDH001	103.7	104.7	3.00E-02	510	17200	1.72	5.10E-02
TSDH001	104.7	105.7	6.00E-02	30	5590	0.55900002	0.003
TSDH001	105.7	107	6.00E-02	260	7380	0.73799998	2.60E-02
TSDH001	107	108	4.00E-02	910	5840	0.58399999	9.10E-02
TSDH001	108	109	4.00E-02	1540	76200	7.6199999	0.154
TSDH001	109	110	4.00E-02	230	16550	1.655	0.023
TSDH001	110	110.8	4.00E-02	140	41800	4.1799998	0.014
TSDH001	110.8	111.8	4.00E-02	100	5660	0.56599998	1.00E-02
TSDH001	111.8	112.8	4.00E-02	230	23600	2.3599999	0.023
TSDH001	112.8	114	4.00E-02	160	12700	1.27	1.60E-02
TSDH001	114	115	4.00E-02	190	22300	2.23	1.90E-02
TSDH001	115	115.6	4.00E-02	170	11300	1.13	1.70E-02
TSDH001	115.6	117.1	4.00E-02	720	22500	2.25	7.20E-02
TSDH001	117.1	117.8	6.00E-02	630	89700	8.9700003	6.30E-02
TSDH001	117.8	119	8.00E-02	2040	57000	5.6999998	0.204
TSDH001	119	120	4.00E-02	1090	61400	6.1399999	0.109
TSDH001	120	121	8.00E-02	170	58800	5.8800001	1.70E-02
TSDH001	121	122	0.27000001	40	24500	2.45	4.00E-03
TSDH001	122	123.3	0.23999999	230	91400	9.1400003	0.023
TSDH001	123.3	124.2	0.23999999	310	165500	16.549999	3.10E-02
TSDH001	124.2	125	1.9400001	70	29700	2.97	7.00E-03
TSDH001	128	131	0.28	2370	254000	25.4	0.237
TSDH001	131	132	7.3299999	140	14750	1.475	0.014
TSDH001	132	133	18.700001	140	14450	1.4450001	0.014
TSDH001	133	134	7.1399999	310	6030	0.60299999	3.10E-02
TSDH001	134	135	1.37	130	12500	1.25	0.013
TSDH001	135	136	4.48	30	140	0.014	0.003
TSDH001	136	137	1.52	50	300	3.00E-02	5.00E-03
TSDH001	137	139	2.3800001	90	170	1.70E-02	9.00E-03
TSDH001	139	141	8.9499998	70	340	3.40E-02	7.00E-03
TSDH001	141	143	5.6799998	70	240	0.024	7.00E-03
TSDH001	143	145.3	0.56999999	70	170	1.70E-02	7.00E-03
TCAC001	0	4		170	1210	0.121	1.70E-02
TCAC001	4	8		570	960	9.60E-02	0.057
TCAC001	8	10		960	1230	0.123	9.60E-02
TCAC001	10	12		2440	1970	0.197	0.244
TCAC001	12	14		2940	2980	0.29800001	0.294
TCAC001	14	16		1920	2530	0.25299999	0.192

TCAC001	16	18	3210	3460	0.34599999	0.32100001
TCAC001	18	20	1720	2690	0.26899999	0.17200001
TCAC001	20	22	1480	4670	0.46700001	0.148
TCAC001	22	24	4950	30800	3.0799999	0.495
TCAC001	24	26	12300	13900	1.39	1.23
TCAC001	26	28	2470	3980	0.398	0.24699999
TCAC001	28	30	720	2310	0.23100001	7.20E-02
TCAC001	30	32	1370	3220	0.322	0.13699999
TCAC001	32	34	5520	11550	1.155	0.55199999
TCAC001	34	37	3900	12750	1.275	0.38999999
TCAC001	37	38	2890	39100	3.9100001	0.289
TCAC001	38	39	3560	23800	2.3800001	0.35600001
TCAC001	39	40	2460	16750	1.675	0.24600001
TCAC001	40	41	2600	17900	1.79	0.25999999
TCAC001	41	42	6560	16200	1.62	0.65600002
TCAC001	42	43	3930	10350	1.035	0.39300001
TCAC001	43	44	3340	8110	0.81099999	0.33399999
TCAC001	44	45	3230	7360	0.736	0.32300001
TCAC001	45	46	4670	8570	0.85699999	0.46700001
TCAC001	46	47	6270	23600	2.3599999	0.62699997
TCAC001	47	48	7150	31400	3.1400001	0.71499997
TCAC001	48	49	11550	46900	4.6900001	1.155
TCAC001	49	50	18350	180000	18	1.835
TCAC001	50	51	15850	98900	9.8900003	1.585
TCAC001	51	52	9030	98900	9.8900003	0.903
TCAC001	52	53	14750	67300	6.73	1.475
TCAC001	53	54	12850	18850	1.885	1.285
TCAC001	54	55	11950	35200	3.52	1.1950001
TCAC001	55	56	24000	53900	5.3899999	2.4000001
TCAC001	56	57	15000	30300	3.03	1.5
TCAC001	57	58	5910	41600	4.1599998	0.59100002
TCAC001	58	59	7680	49100	4.9099998	0.76800001
TCAC001	59	60	7660	33900	3.3900001	0.76599997
TCAC001	60	61	6400	33200	3.3199999	0.63999999
TCAC001	61	62	7410	30900	3.0899999	0.741
TCAC001	62	63	11400	46300	4.6300001	1.14
TCAC002	0	4	850	2010	0.20100001	8.50E-02
TCAC002	4	6	490	5890	0.58899999	4.90E-02
TCAC002	6	7	3480	306000	30.6	0.34799999
TCAC002	7	8	3270	278000	27.799999	0.32699999
TCAC002	8	9	5300	280000	28	0.52999997
TCAC002	9	10	8570	281000	28.1	0.85699999
TCAC002	10	11	3700	259000	25.9	0.37
TCAC002	11	12	7390	214000	21.4	0.73900002
TCAC002	12	13	6310	146000	14.6	0.63099998
TCAC002	13	14	6250	92900	9.29	0.625
TCAC002	14	15	7460	106000	10.6	0.74599999
TCAC002	15	16	7530	56300	5.6300001	0.75300002
TCAC002	16	17	7740	30600	3.0599999	0.77399999
TCAC002	17	18	14400	38900	3.8900001	1.4400001
TCAC002	18	19	12950	40500	4.0500002	1.295
TCAC002	19	20	14300	33000	3.3	1.4299999
TCAC002	20	22	8150	29900	2.99	0.815
TCAC002	22	24	21500	32700	3.27	2.1500001
TCAC002	24	26	8740	23200	2.3199999	0.87400001
TCAC002	26	28	2700	13800	1.38	0.27000001
TCAC002	28	29	2390	10050	1.005	0.23899999
TCAC002	29	30	1240	8790	0.87900001	0.124
TCAC002	30	31	6250	7100	0.70999998	0.625
TCAC002	31	32	7390	8510	0.85100001	0.73900002
TCAC002	32	33	2520	5710	0.57099998	0.252
TCAC002	33	34	3300	22700	2.27	0.33000001
TCAC002	34	35	9820	39100	3.9100001	0.98199999

TCAC002	35	36	9820	31000	3.0999999	0.98199999
TCAC002	36	37	8400	20800	2.0799999	0.83999997
TCAC002	37	38	6520	22800	2.28	0.65200001
TCAC002	38	39	4820	19800	1.98	0.48199999
TCAC002	39	40	7190	92700	9.2700005	0.71899998
TCAC002	40	41	4000	91500	9.1499996	0.40000001
TCAC002	41	42	2960	24800	2.48	0.296
TCAC002	42	43	4060	99200	9.9200001	0.40599999
TCAC002	43	44	4830	107500	10.75	0.48300001
TCAC002	44	45	4710	64800	6.48	0.47099999
TCAC002	45	46	6710	93200	9.3199997	0.671
TCAC002	46	47	4620	36800	3.6800001	0.46200001
TCAC002	47	48	3290	54100	5.4099998	0.329
TCAC002	48	49	5180	95600	9.5600004	0.51800001
TCAC002	49	50	5000	63300	6.3299999	0.5
TCAC002	50	51	2510	31000	3.0999999	0.25099999
TCAC002	51	52	3210	42900	4.29	0.32100001
TCAC002	52	53	2210	38100	3.8099999	0.221
TCAC002	53	54	1560	54000	5.4000001	0.156
TCAC002	54	55	1880	113000	11.3	0.18799999
TCAC002	55	56	2770	101000	10.1	0.27700001
TCAC002	56	57	3710	127500	12.75	0.37099999
TCAC002	57	58	4350	166500	16.65	0.435
TCAC002	58	59	12200	229000	22.9	1.22
TCAC002	59	60	6130	92500	9.25	0.61299998
TCAC002	60	61	4370	78300	7.8299999	0.43700001
TCAC002	61	62	4390	93300	9.3299999	0.43900001
TCAC002	62	63	4640	65000	6.5	0.46399999
TCAC002	63	64	6680	80500	8.0500002	0.66799998
TCAC002	64	65	2020	37600	3.76	0.20200001
TCAC002	65	66	970	14400	1.4400001	9.70E-02
TCAC002	66	67	940	21200	2.1199999	9.40E-02
TCAC002	67	68	410	24500	2.45	4.10E-02
TCAC002	68	69	1000	97800	9.7799997	0.1
TCAC003	0	4	120	740	7.40E-02	0.012
TCAC003	4	8	1380	1820	0.182	0.138
TCAC003	8	12	1080	1100	0.11	0.108
TCAC003	12	16	1060	1460	0.146	0.106
TCAC003	16	18	180	410	4.10E-02	1.80E-02
TCAC003	18	19	640	4620	0.46200001	6.40E-02
TCAC003	19	20	210	1420	0.142	0.021
TCAC003	20	21	840	7710	0.77100003	8.40E-02
TCAC003	21	22	1160	7850	0.78500003	0.116
TCAC003	22	23	650	6800	0.68000001	6.50E-02
TCAC003	23	24	2700	5830	0.583	0.27000001
TCAC003	24	25	1800	8240	0.824	0.18000001
TCAC003	25	26	3800	12200	1.22	0.38
TCAC003	26	27	960	8010	0.801	9.60E-02
TCAC003	27	28	190	3590	0.359	1.90E-02
TCAC003	28	29	180	4050	0.405	1.80E-02
TCAC003	29	30	860	9300	0.93000001	8.60E-02
TCAC003	30	31	390	3920	0.39199999	3.90E-02
TCAC003	31	32	420	2580	0.25799999	4.20E-02
TCAC003	32	36	330	1920	0.192	0.033
TCAC003	36	40	290	1980	0.198	2.90E-02
TCAC003	40	44	410	2230	0.223	4.10E-02
TCAC003	44	48	520	2920	0.292	5.20E-02
TCAC003	48	50	340	3450	0.345	3.40E-02
TCAC003	50	51	630	3400	0.34	6.30E-02
TCAC003	51	52	480	4430	0.44299999	0.048
TCAC003	52	53	400	3540	0.354	4.00E-02
TCAC003	53	54	500	2640	0.264	5.00E-02
TCAC003	54	55	280	2410	0.241	2.80E-02

TCAC003	55	56	320	3200	0.31999999	3.20E-02
TCAC003	56	57	340	5140	0.514	3.40E-02
TCAC003	57	58	440	6090	0.60900003	0.044
TCAC003	58	59	420	4560	0.456	4.20E-02
TCAC003	59	60	770	6950	0.69499999	0.077
TCAC003	60	61	2150	21000	2.0999999	0.215
TCAC003	61	62	5310	40400	4.04	0.53100002
TCAC003	62	63	4330	16050	1.605	0.433
TCAC003	63	64	3110	12350	1.235	0.31099999
TCAC003	64	65	6790	20200	2.02	0.67900002
TCAC003	65	66	1420	45000	4.5	0.142
TCAC003	66	67	1520	42600	4.2600002	0.152
TCAC003	67	68	900	49700	4.9699998	9.00E-02
TCAC003	68	69	1170	25600	2.5599999	0.117
TCAC003	69	70	110	790	7.90E-02	0.011
TCAC004	0	4	110	740	7.40E-02	0.011
TCAC004	4	8	520	880	0.088	5.20E-02
TCAC004	8	12	380	680	6.80E-02	3.80E-02
TCAC004	12	16	1660	2540	0.25400001	0.16599999
TCAC004	16	20	880	1660	0.16599999	0.088
TCAC004	20	24	170	1200	0.12	1.70E-02
TCAC004	24	28	200	1400	0.14	0.02
TCAC004	28	32	170	1400	0.14	1.70E-02
TCAC004	32	36	660	1960	0.19599999	0.066
TCAC004	36	40	190	1190	0.119	1.90E-02
TCAC004	40	44	170	1220	0.122	1.70E-02
TCAC004	44	48	290	1410	0.141	2.90E-02
TCAC004	48	52	190	1340	0.134	1.90E-02
TCAC004	52	56	230	1480	0.148	0.023
TCAC004	56	60	170	1240	0.124	1.70E-02
TCAC004	60	62	210	1180	0.118	0.021
TCAC004	62	63	240	1680	0.168	0.024
TCAC004	63	64	470	9270	0.92699999	4.70E-02
TCAC004	64	65	1140	4510	0.45100001	0.114
TCAC004	65	66	560	2440	0.244	5.60E-02
TCAC005	0	4	370	900	9.00E-02	0.037
TCAC005	4	8	1820	1150	0.115	0.182
TCAC005	8	12	1330	2040	0.204	0.133
TCAC005	12	16	3190	5200	0.51999998	0.31900001
TCAC005	16	20	2400	5800	0.57999998	0.23999999
TCAC005	20	24	1270	2920	0.292	0.127
TCAC005	24	28	460	1900	0.19	0.046
TCAC005	28	30	470	2630	0.26300001	4.70E-02
TCAC005	30	31	1050	4990	0.49900001	0.105
TCAC005	31	32	2760	6380	0.63800001	0.27599999
TCAC005	32	33	8160	20000	2	0.81599998
TCAC005	33	34	26100	39600	3.96	2.6099999
TCAC005	34	35	13550	45300	4.5300002	1.355
TCAC005	35	36	8710	23300	2.3299999	0.87099999
TCAC005	36	37	9850	17500	1.75	0.98500001
TCAC005	37	38	5310	11200	1.12	0.53100002
TCAC005	38	39	8060	53400	5.3400002	0.80599999
TCAC005	39	40	5980	27100	2.71	0.59799999
TCAC005	40	41	3920	31100	3.1099999	0.39199999
TCAC005	41	42	2680	21600	2.1600001	0.26800001
TCAC005	42	43	1140	31300	3.1300001	0.114
TCAC005	43	44	590	93100	9.3100004	0.059
TCAC005	44	45	610	52400	5.2399998	6.10E-02
TCAC005	45	46	910	86300	8.6300001	9.10E-02
TCAC005	46	47	570	32000	3.2	0.057
TCAC005	47	48	640	26900	2.6900001	6.40E-02
TCAC005	48	49	430	51800	5.1799998	4.30E-02
TCAC005	49	50	730	84600	8.46	7.30E-02

TCAC005	50	51	1200	102500	10.25	0.12
TCAC005	51	52	1470	106000	10.6	0.147
TCAC005	52	53	1420	104500	10.45	0.142
TCAC005	53	54	2790	82300	8.2299995	0.27900001
TCAC005	54	55	1410	78300	7.8299999	0.141
TCAC005	55	56	640	59200	5.9200001	6.40E-02
TCAC005	56	57	1880	104500	10.45	0.18799999
TCAC005	57	58	4180	122500	12.25	0.41800001
TCAC005	58	59	3530	73200	7.3200002	0.35299999
TCAC005	59	60	3590	59300	5.9299998	0.359
TCAC005	60	61	2280	64400	6.4400001	0.228
TCAC005	61	62	2590	51600	5.1599998	0.259
TCAC005	62	63	4860	61200	6.1199999	0.486
TCAC005	63	64	2860	124500	12.45	0.28600001
TCAC005	64	65	1920	181000	18.1	0.192
TCAC005	65	66	2650	153000	15.3	0.26499999
TCAC005	66	67	4070	176500	17.65	0.40700001
TCAC005	67	68	10900	180500	18.049999	1.09
TCAC005	68	69	110	25300	2.53	0.011
TCAC006	0	4	10150	165500	16.549999	1.015
TCAC006	4	8	1370	9420	0.94199997	0.13699999
TCAC006	8	11	2030	5530	0.55299997	0.20299999
TCAC006	11	12	4370	11250	1.125	0.43700001
TCAC006	12	13	4030	11900	1.1900001	0.403
TCAC006	13	14	5050	9830	0.98299998	0.505
TCAC006	14	15	4740	9350	0.935	0.47400001
TCAC006	15	16	2770	12450	1.245	0.27700001
TCAC006	16	17	2600	17200	1.72	0.25999999
TCAC006	17	18	2160	20100	2.01	0.21600001
TCAC006	18	19	1880	22100	2.21	0.18799999
TCAC006	19	20	4060	25000	2.5	0.40599999
TCAC006	20	21	4330	38200	3.8199999	0.433
TCAC006	21	22	3250	75500	7.5500002	0.32499999
TCAC006	22	23	3340	39200	3.9200001	0.33399999
TCAC006	23	24	4770	78100	7.8099999	0.477
TCAC006	24	25	3260	111000	11.1	0.32600001
TCAC006	25	26	3120	87000	8.6999998	0.31200001
TCAC006	26	27	3220	52100	5.21	0.322
TCAC006	27	28	2430	76700	7.6700001	0.243
TCAC006	28	29	9890	68100	6.8099999	0.98900002
TCAC006	29	30	4660	36800	3.6800001	0.46599999
TCAC006	30	31	1250	27600	2.76	0.125
TCAC006	31	32	1380	32000	3.2	0.138
TCAC006	32	33	2190	29800	2.98	0.219
TCAC006	33	34	4250	37700	3.77	0.42500001
TCAC006	34	35	12500	55700	5.5700002	1.25
TCAC006	35	36	5070	47600	4.7600002	0.50700003
TCAC006	36	37	5300	31500	3.1500001	0.52999997
TCAC006	37	38	3940	26400	2.6400001	0.39399999
TCAC006	38	39	4430	27600	2.76	0.44299999
TCAC006	39	40	5190	31300	3.1300001	0.51899999
TCAC006	40	41	3400	24300	2.4300001	0.34
TCAC006	41	42	2380	29300	2.9300001	0.23800001
TCAC006	42	43	1960	13100	1.3099999	0.19599999
TCAC006	43	44	1740	23300	2.3299999	0.17399999
TCAC006	44	45	7210	93900	9.3900003	0.72100002
TCAC006	45	46	1540	9150	0.91500002	0.154
TCAC006	46	47	1680	5380	0.53799999	0.168
TCAC006	47	48	1340	6790	0.67900002	0.134
TCAC006	48	49	900	59000	5.9000001	9.00E-02
TCAC006	49	50	2230	73300	7.3299999	0.223
TCAC006	50	51	990	40900	4.0900002	9.90E-02
TCAC006	51	52	1000	70700	7.0700002	0.1

TCAC006	52	53	1480	57300	5.73	0.148
TCAC006	53	54	3590	68000	6.8000002	0.359
TCAC006	54	55	7650	99500	9.9499998	0.76499999
TCAC006	55	56	6300	103500	10.35	0.63
TCAC006	56	57	5630	128500	12.85	0.56300002
TCAC006	57	58	1930	151500	15.15	0.193
TCAC006	58	59	3510	83800	8.3800001	0.35100001
TCAC006	59	60	2650	64800	6.48	0.26499999
TCAC006	60	61	2610	188500	18.85	0.26100001
TCAC006	61	62	3030	130500	13.05	0.303
TCAC006	62	63	7830	62900	6.29	0.78299999
TCAC006	63	64	13400	205000	20.5	1.34
TCAC006	64	65	9140	215000	21.5	0.91399997
TCAC006	65	66	8170	309000	30.9	0.81699997
TCAC006	66	67	4500	269000	26.9	0.44999999
TCAC006	67	68	2760	151500	15.15	0.27599999
TCAC006	68	69	670	31800	3.1800001	6.70E-02
TCAC007	0	4	190	2300	0.23	1.90E-02
TCAC007	4	8	1500	1780	0.178	0.15000001
TCAC007	8	12	1210	3460	0.34599999	0.121
TCAC007	12	16	6370	9770	0.977	0.63700002
TCAC007	16	20	3210	4120	0.412	0.32100001
TCAC007	20	24	1250	2690	0.26899999	0.125
TCAC007	24	28	1120	3130	0.31299999	0.112
TCAC007	28	32	1420	4770	0.477	0.142
TCAC007	32	33	3190	16700	1.67	0.31900001
TCAC007	33	34	2980	12650	1.265	0.29800001
TCAC007	34	35	3750	17450	1.745	0.375
TCAC007	35	36	2500	14450	1.4450001	0.25
TCAC007	36	37	3490	81500	8.1499996	0.34900001
TCAC007	37	38	3800	144000	14.4	0.38
TCAC007	38	39	2440	145500	14.55	0.244
TCAC007	39	40	1020	47100	4.71	0.102
TCAC007	40	41	650	157500	15.75	6.50E-02
TCAC007	41	42	3430	32800	3.28	0.34299999
TCAC007	42	43	340	30700	3.0699999	3.40E-02
TCAC007	43	44	410	25000	2.5	4.10E-02
TCAC007	44	45	440	14900	1.49	0.044
TCAC007	45	46	1780	34200	3.4200001	0.178
TCAC007	46	47	2780	33500	3.3499999	0.278
TCAC007	47	48	4550	31000	3.0999999	0.45500001
TCAC007	48	49	3310	59400	5.9400001	0.331
TCAC007	49	50	3910	32500	3.25	0.391
TCAC007	50	51	2480	73500	7.3499999	0.248
TCAC007	51	52	4350	70200	7.02	0.435
TCAC007	52	53	1970	61700	6.1700001	0.197
TCAC007	53	54	4260	64700	6.4699998	0.426
TCAC007	54	55	2250	45400	4.54	0.22499999
TCAC007	55	56	2270	28200	2.8199999	0.227
TCAC007	56	57	3130	135500	13.55	0.31299999
TCAC007	57	58	780	33300	3.3299999	7.80E-02
TCAC007	58	59	3740	44500	4.4499998	0.37400001
TCAC007	59	60	6200	42400	4.2399998	0.62
TCAC007	60	61	2790	73000	7.3000002	0.27900001
TCAC007	61	62	3520	42900	4.29	0.352
TCAC007	62	63	3020	26000	2.5999999	0.30199999
TCAC007	63	64	1750	68400	6.8400002	0.175
TCAC007	64	65	1940	64800	6.48	0.19400001
TCAC007	65	66	2610	28800	2.8800001	0.26100001
TCAC007	66	67	3720	46800	4.6799998	0.37200001
TCAC007	67	68	4800	16650	1.665	0.47999999
TCAC007	68	69	1690	8950	0.89499998	0.169
TCAC008	0	4	650	1010	0.101	6.50E-02

TCAC008	4	8	1590	1300	0.13	0.15899999
TCAC008	8	12	5850	3460	0.34599999	0.58499998
TCAC008	12	16	550	830	8.30E-02	0.055
TCAC008	16	18	780	770	0.077	7.80E-02
TCAC008	18	19	450	810	0.081	4.50E-02
TCAC008	19	20	500	1540	0.154	5.00E-02
TCAC008	20	21	280	1860	0.186	2.80E-02
TCAC008	21	22	1580	7200	0.72000003	0.15800001
TCAC008	22	23	1010	17550	1.755	0.101
TCAC008	23	24	570	6040	0.60399997	0.057
TCAC008	24	25	890	15700	1.5700001	8.90E-02
TCAC008	25	26	1010	13200	1.3200001	0.101
TCAC008	26	27	1180	4420	0.442	0.118
TCAC008	27	28	3540	27800	2.78	0.354
TCAC008	28	29	1180	7200	0.72000003	0.118
TCAC008	29	30	1020	9410	0.94099998	0.102
TCAC008	30	31	480	25600	2.5599999	0.048
TCAC008	31	32	600	4640	0.46399999	6.00E-02
TCAC008	32	33	690	3950	0.39500001	6.90E-02
TCAC008	33	34	310	13400	1.34	3.10E-02
TCAC008	34	35	170	1500	0.15000001	1.70E-02
TCAC008	35	36	230	1480	0.148	0.023
TCAC008	36	37	850	8350	0.83499998	8.50E-02
TCAC008	37	38	460	4200	0.41999999	0.046
TCAC008	38	39	370	4160	0.41600001	0.037
TCAC008	39	40	390	7360	0.736	3.90E-02
TCAC008	40	41	24800	27300	2.73	2.48
TCAC008	41	42	4490	3570	0.35699999	0.449
TCAC008	42	43	4340	20800	2.0799999	0.43399999
TCAC008	43	44	1850	41400	4.1399999	0.185
TCAC008	44	45	1990	58900	5.8899999	0.199
TCAC008	45	46	1300	227000	22.700001	0.13
TCAC008	46	47	1190	182500	18.25	0.119
TCAC008	47	48	2310	92600	9.2600002	0.23100001
TCAC008	48	49	2050	88200	8.8199997	0.205
TCAC008	49	50	1400	68000	6.8000002	0.14
TCAC008	50	51	1120	58800	5.8800001	0.112
TCAC008	51	52	2020	47900	4.79	0.20200001
TCAC008	52	53	3340	51400	5.1399999	0.33399999
TCAC008	53	54	1110	11500	1.15	0.111
TCAC008	54	55	550	18400	1.84	0.055
TCAC008	55	56	350	9740	0.97399998	0.035
TCAC008	56	57	290	52300	5.23	2.90E-02
TCAC008	57	58	460	118000	11.8	0.046
TCAC008	58	59	210	149500	14.95	0.021
TCAC008	59	60	250	101500	10.15	0.025
TCAC008	60	61	540	28900	2.8900001	5.40E-02
TCAC008	61	62	470	13150	1.3150001	4.70E-02
TCAC008	62	63	340	9390	0.93900001	3.40E-02
TCAC008	63	64	640	18750	1.875	6.40E-02
TCAC008	64	65	230	8720	0.87199998	0.023
TCAC008	65	66	190	7870	0.787	1.90E-02
TCAC008	66	67	170	6420	0.64200002	1.70E-02
TCAC008	67	68	90	1870	0.18700001	9.00E-03
TCAC008	68	69	150	2230	0.223	0.015
TCAC009	0	4	1090	1180	0.118	0.109
TCAC009	4	8	400	750	7.50E-02	4.00E-02
TCAC009	8	12	840	1020	0.102	8.40E-02
TCAC009	12	16	780	1330	0.133	7.80E-02
TCAC009	16	20	830	1400	0.14	8.30E-02
TCAC009	20	24	1560	2820	0.28200001	0.156
TCAC009	24	28	600	2350	0.235	6.00E-02
TCAC009	28	32	1670	3010	0.301	0.167

TCAC009	32	36	1740	2600	0.25999999	0.17399999
TCAC009	36	40	2990	2700	0.27000001	0.29899999
TCAC009	40	44	1790	1160	0.116	0.17900001
TCAC009	44	45	1570	1790	0.17900001	0.15700001
TCAC009	45	46	1300	1250	0.125	0.13
TCAC009	46	47	580	7780	0.778	5.80E-02
TCAC009	47	48	320	7460	0.74599999	3.20E-02
TCAC009	48	49	330	6650	0.66500002	0.033
TCAC009	49	50	390	6620	0.662	3.90E-02
TCAC009	50	51	490	7830	0.78299999	4.90E-02
TCAC009	51	52	450	4890	0.48899999	4.50E-02
TCAC009	52	53	530	3140	0.31400001	5.30E-02
TCAC009	53	54	310	2600	0.25999999	3.10E-02
TCAC009	54	55	240	2450	0.245	0.024
TCAC009	55	56	280	2210	0.221	2.80E-02
TCAC009	56	57	240	2090	0.20900001	0.024
TCAC009	57	58	290	2780	0.278	2.90E-02
TCAC009	58	59	490	6750	0.67500001	4.90E-02
TCAC009	59	60	940	2670	0.26699999	9.40E-02
TCAC009	60	61	710	3470	0.347	7.10E-02
TCAC009	61	62	670	2670	0.26699999	6.70E-02
TCAC009	62	63	280	1670	0.167	2.80E-02
TCAC009	63	64	1660	3520	0.352	0.16599999
TCAC010	0	4	730	1210	0.121	7.30E-02
TCAC010	4	8	1140	1620	0.162	0.114
TCAC010	8	12	5730	3890	0.389	0.57300001
TCAC010	12	16	1820	2380	0.23800001	0.182
TCAC010	16	20	2390	2010	0.20100001	0.23899999
TCAC010	20	24	1160	1940	0.19400001	0.116
TCAC010	24	28	340	1630	0.163	3.40E-02
TCAC010	28	32	700	2190	0.219	0.07
TCAC010	32	36	510	1120	0.112	5.10E-02
TCAC010	36	40	3930	3620	0.36199999	0.39300001
TCAC010	40	44	2960	2440	0.244	0.296
TCAC010	44	48	880	2100	0.20999999	0.088
TCAC010	48	52	1170	1700	0.17	0.117
TCAC010	52	56	2320	1880	0.18799999	0.23199999
TCAC010	56	60	1770	1930	0.193	0.177
TCAC010	60	64	710	1640	0.164	7.10E-02
TCAC010	64	65	420	1900	0.19	4.20E-02
TCAC011	0	4	2030	1320	0.132	0.20299999
TCAC011	4	8	750	1140	0.114	7.50E-02
TCAC011	8	12	790	1280	0.12800001	7.90E-02
TCAC011	12	16	380	1140	0.114	3.80E-02
TCAC011	16	20	280	1110	0.111	2.80E-02
TCAC011	20	24	890	1600	0.16	8.90E-02
TCAC011	24	28	810	1600	0.16	0.081
TCAC011	28	32	480	1060	0.106	0.048
TCAC011	32	36	840	1280	0.12800001	8.40E-02
TCAC011	36	40	960	2530	0.25299999	9.60E-02
TCAC011	40	44	320	1740	0.17399999	3.20E-02
TCAC011	44	48	180	2010	0.20100001	1.80E-02
TCAC011	48	52	210	2110	0.211	0.021
TCAC011	52	53	200	1720	0.17200001	0.02
TCAC011	53	54	160	2190	0.219	1.60E-02
TCAC011	54	55	210	1240	0.124	0.021
TCAC011	55	56	160	2510	0.25099999	1.60E-02
TCAC011	56	57	150	2140	0.214	0.015
TCAC011	57	58	210	16050	1.605	0.021
TCAC011	58	59	200	6280	0.62800002	0.02
TCAC011	59	60	140	3130	0.31299999	0.014
TCAC011	60	61	160	2450	0.245	1.60E-02
TCAC011	61	62	160	2220	0.222	1.60E-02

TCAC011	62	63	290	2960	0.296	2.90E-02
TCAC011	63	64	370	4600	0.46000001	0.037
TCAC011	64	65	220	3330	0.333	0.022
TCAC011	65	66	450	4290	0.42899999	4.50E-02
TCAC011	66	67	120	1730	0.17299999	0.012
TCAC011	67	68	80	980	9.80E-02	8.00E-03
TCAC011	68	69	90	610	6.10E-02	9.00E-03
TCAC012	0	4	590	950	9.50E-02	0.059
TCAC012	4	7	480	930	9.30E-02	0.048
TCAC012	7	10	400	1060	0.106	4.00E-02
TCAC012	10	14	230	1080	0.108	0.023
TCAC012	14	18	480	1340	0.134	0.048
TCAC012	18	22	470	1480	0.148	4.70E-02
TCAC012	22	26	500	1680	0.168	5.00E-02
TCAC012	26	30	770	2400	0.23999999	0.077
TCAC012	30	34	1080	1800	0.18000001	0.108
TCAC012	34	38	1470	2490	0.249	0.147
TCAC012	38	42	1240	2110	0.211	0.124
TCAC012	42	46	1140	1240	0.124	0.114
TCAC012	46	50	4540	2370	0.237	0.454
TCAC012	50	54	3310	1750	0.175	0.331
TCAC012	54	58	1240	910	9.10E-02	0.124
TCAC012	58	62	1460	1260	0.126	0.146
TCAC012	62	66	870	1960	0.19599999	8.70E-02
TCAC012	66	69	510	1070	0.107	5.10E-02
TCAC013	0	4	140	770	0.077	0.014
TCAC013	4	8	210	850	8.50E-02	0.021
TCAC013	8	12	240	880	0.088	0.024
TCAC013	12	14	1300	1740	0.17399999	0.13
TCAC013	14	18	16750	7160	0.71600002	1.675
TCAC013	18	19	35300	16950	1.6950001	3.53
TCAC013	19	20	45500	20100	2.01	4.5500002
TCAC013	20	21	39900	30700	3.0699999	3.99
TCAC013	21	22	11150	121500	12.15	1.115
TCAC013	22	23	11100	106000	10.6	1.11
TCAC013	23	24	14350	90900	9.0900002	1.4349999
TCAC013	24	25	72500	155000	15.5	7.25
TCAC013	25	26	13850	63800	6.3800001	1.385
TCAC013	26	27	9240	25600	2.5599999	0.92400002
TCAC013	27	28	12250	70900	7.0900002	1.225
TCAC013	28	29	14550	80800	8.0799999	1.455
TCAC013	29	30	10600	75000	7.5	1.0599999
TCAC013	30	31	8790	134500	13.45	0.87900001
TCAC013	31	32	7040	82900	8.29	0.704
TCAC013	32	33	5670	53900	5.3899999	0.56699997
TCAC013	33	34	5250	57000	5.6999998	0.52499998
TCAC013	34	35	5490	79700	7.9699998	0.54900002
TCAC013	35	36	8610	140000	14	0.861
TCAC013	36	37	5790	133000	13.3	0.579
TCAC013	37	38	7010	96700	9.6700001	0.70099998
TCAC013	38	39	5650	107500	10.75	0.565
TCAC013	39	40	5100	55600	5.5599999	0.50999999
TCAC013	40	41	4150	44700	4.4699998	0.41499999
TCAC013	41	42	1340	22700	2.27	0.134
TCAC013	42	43	1180	35200	3.52	0.118
TCAC013	43	44	2910	98900	9.8900003	0.29100001
TCAC013	44	45	4110	75600	7.5599999	0.41100001
TCAC013	45	46	2950	135000	13.5	0.29499999
TCAC013	46	47	4030	48800	4.8800001	0.403
TCAC013	47	48	3270	36700	3.6700001	0.32699999
TCAC013	48	49	1880	72900	7.29	0.18799999
TCAC013	49	50	1690	83000	8.3000002	0.169
TCAC013	50	51	1640	61000	6.0999999	0.164

TCAC013	51	52	850	44500	4.4499998	8.50E-02
TCAC013	52	53	560	59300	5.9299998	5.60E-02
TCAC013	53	54	3710	108000	10.8	0.37099999
TCAC013	54	55	5580	46500	4.6500001	0.55800003
TCAC013	55	56	10050	30100	3.01	1.005
TCAC013	56	57	1550	20400	2.04	0.155
TCAC013	57	58	1630	84800	8.4799995	0.163
TCAC013	58	59	720	39600	3.96	7.20E-02
TCAC013	59	60	560	23800	2.3800001	5.60E-02
TCAC013	60	61	420	30700	3.0699999	4.20E-02
TCAC013	61	62	680	33500	3.3499999	6.80E-02
TCAC013	62	63	2340	32100	3.21	0.234
TCAC013	63	64	1680	52400	5.2399998	0.168
TCAC013	64	65	1220	39800	3.98	0.122
TCAC013	65	66	1090	37500	3.75	0.109
TCAC013	66	67	740	36100	3.6099999	7.40E-02
TCAC013	67	68	890	59600	5.96	8.90E-02
TCAC013	68	69	1880	118000	11.8	0.18799999
TCAC014	0	4	170	1330	0.133	1.70E-02
TCAC014	4	8	660	1520	0.152	0.066
TCAC014	8	11	700	1090	0.109	0.07
TCAC014	11	14	250	1040	0.104	0.025
TCAC014	14	17	3080	3730	0.373	0.308
TCAC014	17	20	690	1070	0.107	6.90E-02
TCAC014	20	21	510	1540	0.154	5.10E-02
TCAC014	21	22	290	1810	0.18099999	2.90E-02
TCAC014	22	23	3030	7060	0.70599997	0.303
TCAC014	23	24	390	4950	0.495	3.90E-02
TCAC014	24	25	2330	6240	0.62400001	0.233
TCAC014	25	26	320	3550	0.35499999	3.20E-02
TCAC014	26	27	430	3520	0.352	4.30E-02
TCAC014	27	28	210	1630	0.163	0.021
TCAC014	28	29	130	1440	0.14399999	0.013
TCAC014	29	30	120	2660	0.266	0.012
TCAC014	30	31	150	2900	0.28999999	0.015
TCAC014	31	32	350	4270	0.42699999	0.035
TCAC014	32	33	220	6850	0.685	0.022
TCAC014	33	34	360	4750	0.47499999	3.60E-02
TCAC014	34	35	1750	10600	1.0599999	0.175
TCAC014	35	37	1090	3440	0.34400001	0.109
TCAC014	37	39	650	3300	0.33000001	6.50E-02
TCAC014	39	40	390	2640	0.264	3.90E-02
TCAC014	40	41	370	1970	0.197	0.037
TCAC014	41	42	230	1430	0.14300001	0.023
TCAC014	42	43	230	1940	0.19400001	0.023
TCAC014	43	44	190	1640	0.164	1.90E-02
TCAC014	44	45	140	1540	0.154	0.014
TCAC014	45	46	260	1900	0.19	2.60E-02
TCAC014	46	47	240	2060	0.206	0.024
TCAC014	47	48	430	22000	2.2	4.30E-02
TCAC014	48	49	310	16500	1.65	3.10E-02
TCAC014	49	50	610	28100	2.8099999	6.10E-02
TCAC014	50	51	490	124000	12.4	4.90E-02
TCAC014	51	52	250	109000	10.9	0.025
TCAC014	52	53	330	80500	8.0500002	0.033
TCAC014	53	54	150	24600	2.46	0.015
TCAC014	54	55	200	64300	6.4299998	0.02
TCAC014	55	56	240	12900	1.29	0.024
TCAC014	56	57	230	5790	0.579	0.023
TCAC014	57	58	490	14500	1.45	4.90E-02
TCAC014	58	59	690	6710	0.671	6.90E-02
TCAC014	59	60	740	8930	0.89300001	7.40E-02
TCAC014	60	61	420	6250	0.625	4.20E-02

TCAC014	61	62	410	6040	0.60399997	4.10E-02
TCAC014	62	63	350	6300	0.63	0.035
TCAC014	63	64	310	7200	0.72000003	3.10E-02
TCAC014	64	65	330	7030	0.70300001	0.033
TCAC014	65	66	330	24800	2.48	0.033
TCAC014	66	67	210	16900	1.6900001	0.021
TCAC014	67	68	260	16800	1.6799999	2.60E-02
TCAC014	68	69	280	16600	1.66	2.80E-02
TCAC015	0	4	190	840	8.40E-02	1.90E-02
TCAC015	4	8	390	830	8.30E-02	3.90E-02
TCAC015	8	12	1040	1590	0.15899999	0.104
TCAC015	12	16	1570	2030	0.20299999	0.15700001
TCAC015	16	20	1330	2300	0.23	0.133
TCAC015	20	24	900	1410	0.141	9.00E-02
TCAC015	24	28	650	1600	0.16	6.50E-02
TCAC015	28	32	480	1690	0.169	0.048
TCAC015	32	36	2850	4960	0.49599999	0.285
TCAC015	36	37	700	1480	0.148	0.07
TCAC015	37	38	2670	5840	0.58399999	0.26699999
TCAC015	38	39	1710	4870	0.48699999	0.171
TCAC015	39	40	530	1550	0.155	5.30E-02
TCAC015	40	41	430	1230	0.123	4.30E-02
TCAC015	41	42	370	1080	0.108	0.037
TCAC015	42	43	410	1300	0.13	4.10E-02
TCAC015	43	44	790	2150	0.215	7.90E-02
TCAC015	44	45	460	1500	0.15000001	0.046
TCAC015	45	46	220	910	9.10E-02	0.022
TCAC015	46	47	720	1550	0.155	7.20E-02
TCAC015	50	54	560	1480	0.148	5.60E-02
TCAC015	54	58	380	550	0.055	3.80E-02
TCAC016	0	3	230	690	6.90E-02	0.023
TCAC016	3	6	490	810	0.081	4.90E-02
TCAC016	6	10	430	560	5.60E-02	4.30E-02
TCAC016	10	14	720	620	6.20E-02	7.20E-02
TCAC016	14	18	190	640	6.40E-02	1.90E-02
TCAC016	18	22	270	630	6.30E-02	2.70E-02
TCAC016	22	23	60	760	7.60E-02	6.00E-03
TCAC016	23	24	40	3060	0.30599999	4.00E-03
TCAC016	24	25	80	16200	1.62	8.00E-03
TCAC016	25	26	90	4860	0.486	9.00E-03
TCAC016	26	27	70	1800	0.18000001	7.00E-03
TCAC016	27	28	60	850	8.50E-02	6.00E-03
TCAC016	28	30	70	720	7.20E-02	7.00E-03
TCAC016	30	32	180	910	9.10E-02	1.80E-02
TCAC016	32	33	80	900	9.00E-02	8.00E-03
TCAC016	33	34	80	890	8.90E-02	8.00E-03
TCAC016	34	35	50	1290	0.12899999	5.00E-03
TCAC016	35	36	130	2150	0.215	0.013
TCAC016	36	37	2150	2480	0.248	0.215
TCAC016	37	38	2560	2660	0.266	0.25600001
TCAC016	38	39	1270	82600	8.2600002	0.127
TCAC016	39	40	890	65100	6.5100002	8.90E-02
TCAC016	40	41	1380	293000	29.299999	0.138
TCAC016	41	42	3950	172500	17.25	0.39500001
TCAC016	42	43	2710	65700	6.5700002	0.271
TCAC016	43	44	2340	49000	4.9000001	0.234
TCAC016	44	45	840	60000	6	8.40E-02
TCAC016	45	46	2380	37500	3.75	0.23800001
TCAC016	46	47	1300	60600	6.0599999	0.13
TCAC016	47	48	340	18800	1.88	3.40E-02
TCAC016	48	49	480	6890	0.68900001	0.048
TCAC016	49	50	470	5370	0.537	4.70E-02
TCAC016	50	51	430	4880	0.48800001	4.30E-02

TCAC016	51	52	360	15800	1.58	3.60E-02
TCAC016	52	53	640	41100	4.1100001	6.40E-02
TCAC016	53	54	410	20500	2.05	4.10E-02
TCAC016	54	55	220	28400	2.8399999	0.022
TCAC016	55	56	210	29400	2.9400001	0.021
TCAC016	56	57	210	29900	2.99	0.021
TCAC016	57	58	520	62800	6.2800002	5.20E-02
TCAC016	58	59	210	7710	0.77100003	0.021
TCAC016	59	60	170	18050	1.8049999	1.70E-02
TCAC016	60	61	510	29400	2.9400001	5.10E-02
TCAC016	61	62	650	54700	5.4699998	6.50E-02
TCAC016	62	63	670	61200	6.1199999	6.70E-02
TCAC016	63	64	1490	60700	6.0700002	0.149
TCAC016	64	65	1700	16100	1.61	0.17
TCAC016	65	67	1560	12150	1.215	0.156
TCAC016	67	69	520	5340	0.53399998	5.20E-02
TCAC017	0	3	320	800	8.00E-02	3.20E-02
TCAC017	3	5	660	1490	0.149	0.066
TCAC017	5	9	900	1420	0.142	9.00E-02
TCAC017	9	13	1860	1590	0.15899999	0.186
TCAC017	13	16	510	950	9.50E-02	5.10E-02
TCAC017	16	20	910	1500	0.15000001	9.10E-02
TCAC017	20	24	7430	2750	0.27500001	0.74299997
TCAC017	24	28	2890	10400	1.04	0.289
TCAC017	28	29	1010	1680	0.168	0.101
TCAC017	29	30	910	1630	0.163	9.10E-02
TCAC017	30	31	710	5250	0.52499998	7.10E-02
TCAC017	31	32	890	5850	0.58499998	8.90E-02
TCAC017	32	33	310	10500	1.05	3.10E-02
TCAC017	33	34	300	24400	2.4400001	3.00E-02
TCAC017	34	35	180	23100	2.3099999	1.80E-02
TCAC017	35	36	350	50400	5.04	0.035
TCAC017	36	37	250	60900	6.0900002	0.025
TCAC017	37	38	390	15300	1.53	3.90E-02
TCAC017	38	39	2030	52800	5.2800002	0.20299999
TCAC017	39	40	840	30000	3	8.40E-02
TCAC017	40	41	250	28800	2.8800001	0.025
TCAC017	41	42	260	27700	2.77	2.60E-02
TCAC017	42	43	200	31800	3.1800001	0.02
TCAC017	43	44	410	72400	7.2399998	4.10E-02
TCAC017	44	45	330	23800	2.3800001	0.033
TCAC017	45	46	380	53100	5.3099999	3.80E-02
TCAC017	46	47	240	96100	9.6099997	0.024
TCAC017	47	48	390	68200	6.8200002	3.90E-02
TCAC017	48	49	330	23900	2.3900001	0.033
TCAC017	49	50	430	49700	4.9699998	4.30E-02
TCAC017	50	51	330	26000	2.5999999	0.033
TCAC017	51	52	230	14900	1.49	0.023
TCAC017	52	53	210	4030	0.403	0.021
TCAC017	53	55	220	10700	1.0700001	0.022
TCAC017	55	59	6700	31000	3.0999999	0.67000002
TCAC017	59	63	19050	25300	2.53	1.905
TCAC017	63	67	6680	15250	1.525	0.66799998
TCAC017	67	69	850	3070	0.30700001	8.50E-02
TCAC018	0	1	260	980	9.80E-02	2.60E-02
TCAC018	1	4	70	340	3.40E-02	7.00E-03
TCAC018	4	8	660	1150	0.115	0.066
TCAC018	8	10	30	930	9.30E-02	0.003
TCAC018	10	11	170	25300	2.53	1.70E-02
TCAC018	11	12	680	154500	15.45	6.80E-02
TCAC018	12	13	500	89000	8.8999996	5.00E-02
TCAC018	13	14	100	1190	0.119	1.00E-02
TCAC018	14	15	300	81000	8.1000004	3.00E-02

TCAC018	15	16	450	31000	3.0999999	4.50E-02
TCAC018	16	17	1420	31700	3.1700001	0.142
TCAC018	17	18	160	4250	0.42500001	1.60E-02
TCAC018	18	19	170	41000	4.0999999	1.70E-02
TCAC018	19	20	320	127500	12.75	3.20E-02
TCAC018	20	21	260	127500	12.75	2.60E-02
TCAC018	21	22	250	54300	5.4299998	0.025
TCAC018	22	23	100	10900	1.09	1.00E-02
TCAC018	23	24	1050	16000	1.6	0.105
TCAC018	24	25	310	42800	4.2800002	3.10E-02
TCAC018	25	26	1800	41300	4.1300001	0.18000001
TCAC018	26	27	2420	41200	4.1199999	0.242
TCAC018	27	28	1090	39800	3.98	0.109
TCAC018	28	29	840	15500	1.55	8.40E-02
TCAC018	29	30	190	3910	0.391	1.90E-02
TCAC018	30	31	260	5370	0.537	2.60E-02
TCAC018	31	32	1670	29700	2.97	0.167
TCAC018	32	33	810	99200	9.9200001	0.081
TCAC018	33	34	1110	60000	6	0.111
TCAC018	34	35	860	191000	19.1	8.60E-02
TCAC018	35	36	2780	149000	14.9	0.278
TCAC018	36	37	2360	51100	5.1100001	0.236
TCAC018	37	38	4510	33600	3.3599999	0.45100001
TCAC018	38	39	1660	19900	1.99	0.16599999
TCAC018	39	40	4700	24600	2.46	0.47
TCAC018	40	41	1230	9990	0.99900001	0.123
TCAC018	41	42	5820	18350	1.835	0.58200002
TCAC018	42	43	1290	13250	1.325	0.12899999
TCAC018	43	44	2340	36500	3.6500001	0.234
TCAC018	44	45	1610	19650	1.965	0.161
TCAC018	45	46	2430	19800	1.98	0.243
TCAC018	46	47	1680	15250	1.525	0.168
TCAC018	47	48	3860	7500	0.75	0.38600001
TCAC018	48	49	1880	5770	0.57700002	0.18799999
TCAC018	49	50	3250	5990	0.59899998	0.32499999
TCAC018	50	51	3430	4400	0.44	0.34299999
TCAC018	51	52	890	2400	0.23999999	8.90E-02
TCAC018	52	53	560	13200	1.3200001	5.60E-02
TCAC018	53	54	930	4210	0.421	9.30E-02
TCAC018	54	55	250	2070	0.207	0.025
TCAC018	55	56	280	1610	0.161	2.80E-02
TCAC018	56	57	150	1640	0.164	0.015
TCAC018	57	58	140	1550	0.155	0.014
TCAC018	58	59	240	2530	0.25299999	0.024
TCAC018	59	60	170	2620	0.26199999	1.70E-02
TCAC018	60	61	270	6550	0.65499997	2.70E-02
TCAC018	61	62	170	2580	0.25799999	1.70E-02
TCAC018	62	63	170	3780	0.37799999	1.70E-02
TCAC018	63	64	190	6620	0.662	1.90E-02
TCAC018	64	65	140	3530	0.35299999	0.014
TCAC018	65	66	110	3510	0.35100001	0.011
TCAC018	66	67	120	4610	0.461	0.012
TCAC018	67	68	120	4100	0.41	0.012
TCAC018	68	69	100	5350	0.53500003	1.00E-02
TCAC019	0	1	240	840	8.40E-02	0.024
TCAC019	1	4	450	1350	0.13500001	4.50E-02
TCAC019	4	8	120	730	7.30E-02	0.012
TCAC019	8	12	60	650	6.50E-02	6.00E-03
TCAC019	12	16	70	1140	0.114	7.00E-03
TCAC019	16	20	330	1640	0.164	0.033
TCAC019	20	24	20	850	8.50E-02	2.00E-03
TCAC019	24	28	30	1720	0.17200001	0.003
TCAC019	28	32	30	1170	0.117	0.003

TCAC019	32	33	430	2450	0.245	4.30E-02
TCAC019	33	34	370	46900	4.6900001	0.037
TCAC019	34	35	160	16050	1.605	1.60E-02
TCAC019	35	36	130	21900	2.1900001	0.013
TCAC019	36	37	50	32700	3.27	5.00E-03
TCAC019	37	38	310	43100	4.3099999	3.10E-02
TCAC019	38	39	110	26600	2.6600001	0.011
TCAC019	39	40	110	41500	4.1500001	0.011
TCAC019	40	41	50	8850	0.88499999	5.00E-03
TCAC019	41	42	210	3510	0.35100001	0.021
TCAC019	42	43	660	5380	0.53799999	0.066
TCAC019	43	44	1200	4200	0.41999999	0.12
TCAC019	44	45	880	2250	0.22499999	0.088
TCAC019	45	46	450	1790	0.17900001	4.50E-02
TCAC019	46	47	640	1800	0.18000001	6.40E-02
TCAC019	47	48	210	3450	0.345	0.021
TCAC019	48	49	1800	126000	12.6	0.18000001
TCAC019	49	50	4000	123000	12.3	0.40000001
TCAC019	50	51	2080	45900	4.5900002	0.208
TCAC019	51	52	800	38100	3.8099999	8.00E-02
TCAC019	52	53	500	8650	0.86500001	5.00E-02
TCAC019	53	54	530	5600	0.56	5.30E-02
TCAC019	54	55	770	19950	1.995	0.077
TCAC019	55	56	270	9900	0.99000001	2.70E-02
TCAC019	56	57	180	3140	0.31400001	1.80E-02
TCAC019	57	58	250	5010	0.50099999	0.025
TCAC019	58	59	250	15850	1.585	0.025
TCAC019	59	60	300	15550	1.5549999	3.00E-02
TCAC019	60	61	660	114000	11.4	0.066
TCAC019	61	62	260	42700	4.27	2.60E-02
TCAC019	62	63	250	30200	3.02	0.025
TCAC019	63	64	260	15200	1.52	2.60E-02
TCAC019	64	65	390	9050	0.90499997	3.90E-02
TCAC019	65	66	160	33700	3.3699999	1.60E-02
TCAC019	66	67	410	86700	8.6700001	4.10E-02
TCAC019	67	68	380	47800	4.7800002	3.80E-02
TCAC019	68	69	260	22500	2.25	2.60E-02
TCAC020	0	1	310	1040	0.104	3.10E-02
TCAC020	1	5	2480	1600	0.16	0.248
TCAC020	5	9	18350	6660	0.66600001	1.835
TCAC020	9	13	5450	3750	0.375	0.54500002
TCAC020	13	17	5840	5510	0.551	0.58399999
TCAC020	17	21	5510	3750	0.375	0.551
TCAC020	21	25	46700	12850	1.285	4.6700001
TCAC020	25	26	29500	10100	1.01	2.95
TCAC020	26	27	14500	3980	0.398	1.45
TCAC020	27	28	10750	4200	0.41999999	1.075
TCAC020	28	29	4780	49200	4.9200001	0.47799999
TCAC020	29	30	3980	82400	8.2399998	0.398
TCAC020	30	31	850	46400	4.6399999	8.50E-02
TCAC020	31	32	620	59500	5.9499998	6.20E-02
TCAC020	32	33	820	40000	4	8.20E-02
TCAC020	33	34	460	60600	6.0599999	0.046
TCAC020	34	35	610	23300	2.3299999	6.10E-02
TCAC020	35	36	500	48600	4.8600001	5.00E-02
TCAC020	36	37	1010	78100	7.8099999	0.101
TCAC020	37	38	610	60000	6	6.10E-02
TCAC020	38	39	450	70100	7.0100002	4.50E-02
TCAC020	39	40	370	35000	3.5	0.037
TCAC020	40	41	730	49500	4.9499998	7.30E-02
TCAC020	41	42	470	46100	4.6100001	4.70E-02
TCAC020	42	43	1920	37600	3.76	0.192
TCAC020	43	44	1410	70600	7.0599999	0.141

TCAC020	44	45	2530	10800	1.08	0.25299999
TCAC020	45	46	510	36900	3.6900001	5.10E-02
TCAC020	46	47	1380	44100	4.4099998	0.138
TCAC020	47	48	1350	43700	4.3699999	0.13500001
TCAC020	48	49	3960	44400	4.4400001	0.396
TCAC020	49	50	1270	20700	2.0699999	0.127
TCAC020	50	51	2410	62500	6.25	0.241
TCAC020	51	52	1220	34700	3.47	0.122
TCAC020	52	53	1200	43900	4.3899999	0.12
TCAC020	53	54	4250	26900	2.6900001	0.42500001
TCAC020	54	55	260	46700	4.6700001	2.60E-02
TCAC020	55	56	430	44200	4.4200001	4.30E-02
TCAC020	56	57	750	16800	1.6799999	7.50E-02
TCAC020	57	58	1050	75700	7.5700002	0.105
TCAC020	58	59	500	30800	3.0799999	5.00E-02
TCAC020	59	60	520	8180	0.81800002	5.20E-02
TCAC020	60	61	860	33900	3.3900001	8.60E-02
TCAC020	61	62	80	16900	1.6900001	8.00E-03
TCAC020	62	63	6050	20000	2	0.60500002
TCAC020	63	64	2890	28600	2.8599999	0.289
TCAC020	64	65	1190	14700	1.47	0.119
TCAC020	65	66	6240	24200	2.4200001	0.62400001
TCAC020	66	67	7320	25800	2.5799999	0.73199999
TCAC020	67	68	40300	40500	4.0500002	4.0300002
TCAC020	68	69	16700	36000	3.5999999	1.67
TCAC021	0	3	2560	2960	0.296	0.25600001
TCAC021	3	7	5420	5040	0.50400001	0.542
TCAC021	7	11	10750	14400	1.4400001	1.075
TCAC021	11	15	6140	11500	1.15	0.61400002
TCAC021	15	19	1890	3560	0.35600001	0.189
TCAC021	19	21	1370	2020	0.20200001	0.13699999
TCAC021	21	22	960	1700	0.17	9.60E-02
TCAC021	22	23	1910	4570	0.45699999	0.191
TCAC021	23	24	3840	9660	0.96600002	0.384
TCAC021	24	25	2990	11600	1.16	0.29899999
TCAC021	25	26	3120	5630	0.56300002	0.31200001
TCAC021	26	27	2520	2860	0.28600001	0.252
TCAC021	27	28	1720	7760	0.77600002	0.17200001
TCAC021	28	29	2960	12200	1.22	0.296
TCAC021	29	30	2490	21900	2.1900001	0.249
TCAC021	30	31	3180	12500	1.25	0.31799999
TCAC021	31	32	1910	8860	0.88599998	0.191
TCAC021	32	33	1890	8870	0.88700002	0.189
TCAC021	33	34	7810	55200	5.52	0.78100002
TCAC021	34	35	3220	29800	2.98	0.322
TCAC021	35	36	2150	52900	5.29	0.215
TCAC021	36	37	1630	55400	5.54	0.163
TCAC021	37	38	16000	33300	3.3299999	1.6
TCAC021	38	39	11200	55100	5.5100002	1.12
TCAC021	39	40	7480	18900	1.89	0.74800003
TCAC021	40	41	5460	37700	3.77	0.546
TCAC021	41	42	4800	24400	2.4400001	0.47999999
TCAC021	42	43	3350	18400	1.84	0.33500001
TCAC021	43	44	2610	76400	7.6399999	0.26100001
TCAC021	44	45	1000	39900	3.99	0.1
TCAC021	45	46	1260	64700	6.4699998	0.126
TCAC021	46	47	3850	84000	8.3999996	0.38499999
TCAC021	47	48	50	46500	4.6500001	5.00E-03
TCAC021	48	49	11250	152000	15.2	1.125
TCAC021	49	50	7250	114500	11.45	0.72500002
TCAC021	50	51	2140	62700	6.27	0.214
TCAC021	51	52	2210	107000	10.7	0.221
TCAC021	52	53	8450	98600	9.8599997	0.84500003

TCAC021	53	54	5980	127500	12.75	0.59799999
TCAC021	54	55	9460	186000	18.6	0.94599998
TCAC021	55	56	10250	149000	14.9	1.025
TCAC021	56	57	18350	127000	12.7	1.835
TCAC021	57	58	9050	109500	10.95	0.90499997
TCAC021	58	59	6110	133500	13.35	0.611
TCAC021	59	60	7810	153000	15.3	0.78100002
TCAC021	60	61	11050	119500	11.95	1.105
TCAC021	61	62	7180	116000	11.6	0.71799999
TCAC021	62	63	5680	243000	24.299999	0.56800002
TCAC021	63	64	8970	274000	27.4	0.89700001
TCAC021	64	65	3130	79500	7.9499998	0.31299999
TCAC021	65	66	11950	265000	26.5	1.1950001
TCAC021	66	67	17650	227000	22.700001	1.765
TCAC021	67	68	1130	36400	3.6400001	0.113
TCAC021	68	69	1850	4020	0.40200001	0.185
TCAC022	0	4	2590	3940	0.39399999	0.259
TCAC022	4	8	1770	1900	0.19	0.177
TCAC022	8	12	1760	1590	0.15899999	0.176
TCAC022	12	16	2430	1820	0.182	0.243
TCAC022	16	20	1110	1190	0.119	0.111
TCAC022	20	24	1590	2060	0.206	0.15899999
TCAC022	24	28	1620	1820	0.182	0.162
TCAC022	28	32	2020	2380	0.23800001	0.20200001
TCAC022	32	36	1790	4660	0.46599999	0.17900001
TCAC022	36	40	1590	6010	0.60100001	0.15899999
TCAC022	40	41	660	7030	0.70300001	0.066
TCAC022	41	42	490	4350	0.435	4.90E-02
TCAC022	42	43	14350	131000	13.1	1.4349999
TCAC022	43	44	140	3920	0.39199999	0.014
TCAC022	44	45	130	2600	0.25999999	0.013
TCAC022	45	46	50	1150	0.115	5.00E-03
TCAC022	46	47	260	3360	0.336	2.60E-02
TCAC022	47	48	390	2150	0.215	3.90E-02
TCAC022	48	52	270	1510	0.15099999	2.70E-02
TCAC022	52	53	120	5740	0.574	0.012
TCAC022	53	54	160	21000	2.0999999	1.60E-02
TCAC022	54	55	50	1140	0.114	5.00E-03
TCAC022	55	56	70	2970	0.29699999	7.00E-03
TCAC022	56	57	60	3980	0.398	6.00E-03
TCAC022	57	58	290	3370	0.33700001	2.90E-02
TCAC022	58	59	50	2270	0.227	5.00E-03
TCAC022	59	60	220	3020	0.30199999	0.022
TCAC022	60	61	70	2980	0.29800001	7.00E-03
TCAC022	61	62	100	2290	0.229	1.00E-02
TCAC022	62	63	190	2540	0.25400001	1.90E-02
TCAC022	63	64	210	2650	0.26499999	0.021
TCAC022	64	65	190	4690	0.46900001	1.90E-02
TCAC022	65	66	320	3350	0.33500001	3.20E-02
TCAC022	66	67	5630	60500	6.0500002	0.56300002
TCAC022	67	68	300	3160	0.31600001	3.00E-02
TCAC022	68	69	760	960	9.60E-02	7.60E-02
TCAC023	0	4	300	610	6.10E-02	3.00E-02
TCAC023	4	8	790	510	5.10E-02	7.90E-02
TCAC023	8	12	910	550	0.055	9.10E-02
TCAC023	12	16	3160	720	7.20E-02	0.31600001
TCAC023	16	20	160	910	9.10E-02	1.60E-02
TCAC023	20	24	140	1340	0.134	0.014
TCAC023	24	28	120	730	7.30E-02	0.012
TCAC023	28	30	20	15700	1.5700001	2.00E-03
TCAC023	30	31	20	45200	4.52	2.00E-03
TCAC023	31	32	90	54900	5.4899998	9.00E-03
TCAC023	32	33	60	11800	1.1799999	6.00E-03

TCAC023	33	34	30	7810	0.78100002	0.003
TCAC023	34	35	30	7370	0.73699999	0.003
TCAC023	35	36	780	81100	8.1099997	7.80E-02
TCAC023	36	37	2110	94900	9.4899998	0.211
TCAC023	37	38	2060	92500	9.25	0.206
TCAC023	38	39	50	1790	0.17900001	5.00E-03
TCAC023	39	40	950	39000	3.9000001	9.50E-02
TCAC023	40	41	60	30200	3.02	6.00E-03
TCAC023	41	42	1340	109500	10.95	0.134
TCAC023	42	43	280	10200	1.02	2.80E-02
TCAC023	43	44	1380	85200	8.5200005	0.138
TCAC023	44	45	170	91400	9.1400003	1.70E-02
TCAC023	45	46	1560	97200	9.7200003	0.156
TCAC023	46	47	2380	41300	4.1300001	0.23800001
TCAC023	47	48	810	39100	3.9100001	0.081
TCAC023	48	49	320	9460	0.94599998	3.20E-02
TCAC023	49	50	150	18800	1.88	0.015
TCAC023	50	51	470	160500	16.049999	4.70E-02
TCAC023	51	52	50	1670	0.167	5.00E-03
TCAC023	52	53	3820	42900	4.29	0.382
TCAC023	53	54	1640	17700	1.77	0.164
TCAC023	54	55	2830	42000	4.1999998	0.28299999
TCAC023	55	56	2290	53300	5.3299999	0.229
TCAC023	56	57	2290	81600	8.1599998	0.229
TCAC023	57	58	250	10700	1.0700001	0.025
TCAC023	58	59	110	38400	3.8399999	0.011
TCAC023	59	60	60	2740	0.27399999	6.00E-03
TCAC023	60	61	520	42200	4.2199998	5.20E-02
TCAC023	61	62	1530	98800	9.8800001	0.153
TCAC023	62	63	3640	224000	22.4	0.36399999
TCAC023	63	64	1610	64100	6.4099998	0.161
TCAC023	64	65	1300	63700	6.3699999	0.13
TCAC023	65	66	280	64900	6.4899998	2.80E-02
TCAC023	66	67	290	135000	13.5	2.90E-02
TCAC023	67	68	240	88800	8.8800001	0.024
TCAC023	68	69	170	64400	6.4400001	1.70E-02
TCAC024	0	4	500	1710	0.171	5.00E-02
TCAC024	4	8	590	1620	0.162	0.059
TCAC024	8	11	680	2150	0.215	6.80E-02
TCAC024	11	12	1450	2930	0.29300001	0.145
TCAC024	12	13	840	76600	7.6599998	8.40E-02
TCAC024	13	14	2670	29900	2.99	0.26699999
TCAC024	14	15	1640	62400	6.2399998	0.164
TCAC024	15	16	1340	9580	0.958	0.134
TCAC024	16	17	1790	32000	3.2	0.17900001
TCAC024	17	18	530	3120	0.31200001	5.30E-02
TCAC024	18	19	1140	7380	0.73799998	0.114
TCAC024	19	20	1230	9190	0.91900003	0.123
TCAC024	20	21	210	1750	0.175	0.021
TCAC024	21	22	360	2510	0.25099999	3.60E-02
TCAC024	22	23	160	2690	0.26899999	1.60E-02
TCAC024	23	24	90	8090	0.80900002	9.00E-03
TCAC024	24	25	230	82100	8.21	0.023
TCAC024	25	26	150	67400	6.7399998	0.015
TCAC024	26	27	190	106500	10.65	1.90E-02
TCAC024	27	28	70	17100	1.71	7.00E-03
TCAC024	28	29	140	70600	7.0599999	0.014
TCAC024	29	30	110	58600	5.8600001	0.011
TCAC024	30	31	140	104000	10.4	0.014
TCAC024	31	32	310	137500	13.75	3.10E-02
TCAC024	32	33	400	178500	17.85	4.00E-02
TCAC024	33	34	250	90300	9.0299997	0.025
TCAC024	34	35	580	30000	3	5.80E-02

TCAC024	35	36	270	38700	3.8699999	2.70E-02
TCAC024	36	37	140	42900	4.29	0.014
TCAC024	37	38	130	26400	2.6400001	0.013
TCAC024	38	39	140	18050	1.8049999	0.014
TCAC024	39	40	370	65900	6.5900002	0.037
TCAC024	40	41	280	13450	1.345	2.80E-02
TCAC024	41	42	1630	16050	1.605	0.163
TCAC024	42	43	910	22200	2.22	9.10E-02
TCAC024	43	44	4800	7050	0.70499998	0.47999999
TCAC024	44	45	3610	7510	0.75099999	0.361
TCAC024	45	46	430	4270	0.42699999	4.30E-02
TCAC024	46	47	300	2400	0.23999999	3.00E-02
TCAC024	47	48	230	1590	0.15899999	0.023
TCAC024	48	49	380	4460	0.44600001	3.80E-02
TCAC024	49	50	430	2010	0.20100001	4.30E-02
TCAC024	50	51	450	2020	0.20200001	4.50E-02
TCAC024	51	52	200	1440	0.14399999	0.02
TCAC024	52	53	680	1560	0.156	6.80E-02
TCAC024	53	54	410	4170	0.417	4.10E-02
TCAC024	54	55	150	1800	0.18000001	0.015
TCAC024	55	56	200	900	9.00E-02	0.02
TCAC024	56	57	180	2820	0.28200001	1.80E-02
TCAC024	57	58	40	560	5.60E-02	4.00E-03
TCAC024	58	59	40	5280	0.528	4.00E-03
TCAC024	59	60	140	15800	1.58	0.014
TCAC024	60	61	1100	86200	8.6199999	0.11
TCAC024	61	62	410	39400	3.9400001	4.10E-02
TCAC024	62	63	1530	36800	3.6800001	0.153
TCAC024	63	64	720	45500	4.5500002	7.20E-02
TCAC024	64	65	370	28300	2.8299999	0.037
TCAC024	65	66	9060	43400	4.3400002	0.90600002
TCAC024	66	67	5290	49500	4.9499998	0.52899998
TCAC024	67	68	2300	30300	3.03	0.23
TCAC024	68	69	2130	12800	1.28	0.213
TCAC025	0	4	1980	1800	0.18000001	0.198
TCAC025	4	8	1670	3010	0.301	0.167
TCAC025	8	11	2880	5430	0.54299998	0.28799999
TCAC025	11	12	3260	4040	0.40400001	0.32600001
TCAC025	12	13	4200	5430	0.54299998	0.41999999
TCAC025	13	14	9340	153000	15.3	0.93400002
TCAC025	14	15	6520	20100	2.01	0.65200001
TCAC025	15	16	4190	58700	5.8699999	0.419
TCAC025	16	17	8330	20300	2.03	0.833
TCAC025	17	18	4210	22100	2.21	0.421
TCAC025	18	19	5580	41400	4.1399999	0.55800003
TCAC025	19	20	6260	51800	5.1799998	0.62599999
TCAC025	20	21	3820	41000	4.0999999	0.382
TCAC025	21	22	8560	120500	12.05	0.85600001
TCAC025	22	23	7030	144000	14.4	0.70300001
TCAC025	23	24	2180	65200	6.52	0.21799999
TCAC025	24	25	2210	53000	5.3000002	0.221
TCAC025	25	26	1940	53800	5.3800001	0.19400001
TCAC025	26	27	3380	64900	6.4899998	0.338
TCAC025	27	28	1810	38600	3.8599999	0.18099999
TCAC025	28	29	2450	59800	5.98	0.245
TCAC025	29	30	9540	56800	5.6799998	0.954
TCAC025	30	31	2670	37800	3.78	0.26699999
TCAC025	31	32	1990	110500	11.05	0.199
TCAC025	32	33	2980	115500	11.55	0.29800001
TCAC025	33	34	3560	172500	17.25	0.35600001
TCAC025	34	35	900	114000	11.4	9.00E-02
TCAC025	35	36	1980	159500	15.95	0.198
TCAC025	36	37	3930	202000	20.200001	0.39300001

TCAC025	37	38	4660	90100	9.0100002	0.46599999
TCAC025	38	39	3450	95400	9.54	0.345
TCAC025	39	40	5070	109000	10.9	0.50700003
TCAC025	40	41	2310	86200	8.6199999	0.23100001
TCAC025	41	42	910	42900	4.29	9.10E-02
TCAC025	42	43	370	100500	10.05	0.037
TCAC025	43	44	380	39300	3.9300001	3.80E-02
TCAC025	44	45	390	62400	6.2399998	3.90E-02
TCAC025	45	46	420	125500	12.55	4.20E-02
TCAC025	46	47	410	62700	6.27	4.10E-02
TCAC025	47	48	370	47100	4.71	0.037
TCAC025	48	49	370	40000	4	0.037
TCAC025	49	50	960	98100	9.8100004	9.60E-02
TCAC025	50	51	720	44500	4.4499998	7.20E-02
TCAC025	51	52	330	78100	7.8099999	0.033
TCAC025	52	53	450	62800	6.2800002	4.50E-02
TCAC025	53	54	650	118500	11.85	6.50E-02
TCAC025	54	55	270	81500	8.1499996	2.70E-02
TCAC025	55	56	710	88300	8.8299999	7.10E-02
TCAC025	56	57	780	35100	3.51	7.80E-02
TCAC025	57	58	500	90100	9.0100002	5.00E-02
TCAC025	58	59	580	60900	6.0900002	5.80E-02
TCAC025	59	60	1760	73200	7.3200002	0.176
TCAC025	60	61	1090	51500	5.1500001	0.109
TCAC025	61	62	5730	57600	5.7600002	0.57300001
TCAC025	62	63	2090	78800	7.8800001	0.20900001
TCAC026	0	4	550	1590	0.15899999	0.055
TCAC026	4	8	1110	1360	0.13600001	0.111
TCAC026	8	12	480	1380	0.138	0.048
TCAC026	12	15	1370	1170	0.117	0.13699999
TCAC026	15	16	800	1080	0.108	8.00E-02
TCAC026	16	17	420	2490	0.249	4.20E-02
TCAC026	17	18	430	33400	3.3399999	4.30E-02
TCAC026	18	19	170	4390	0.43900001	1.70E-02
TCAC026	19	20	120	3100	0.31	0.012
TCAC026	20	21	90	8700	0.87	9.00E-03
TCAC026	21	22	1680	24200	2.4200001	0.168
TCAC026	22	23	80	18400	1.84	8.00E-03
TCAC026	23	24	120	3340	0.33399999	0.012
TCAC026	24	25	130	40700	4.0700002	0.013
TCAC026	25	26	100	13800	1.38	1.00E-02
TCAC026	26	27	200	26900	2.6900001	0.02
TCAC026	27	28	110	17300	1.73	0.011
TCAC026	28	29	80	69900	6.9899998	8.00E-03
TCAC026	29	30	100	18800	1.88	1.00E-02
TCAC026	30	31	410	11900	1.1900001	4.10E-02
TCAC026	31	32	50	2530	0.25299999	5.00E-03
TCAC026	32	33	60	1100	0.11	6.00E-03
TCAC026	33	34	120	1720	0.17200001	0.012
TCAC026	34	36	100	1320	0.132	1.00E-02
TCAC026	36	38	510	1720	0.17200001	5.10E-02
TCAC026	38	40	3260	5340	0.53399998	0.32600001
TCAC026	40	42	400	1150	0.115	4.00E-02
TCAC026	42	43	610	1240	0.124	6.10E-02
TCAC026	43	44	250	1050	0.105	0.025
TCAC026	44	45	320	32700	3.27	3.20E-02
TCAC026	45	46	250	10900	1.09	0.025
TCAC026	46	47	270	73900	7.3899999	2.70E-02
TCAC026	47	48	190	81300	8.1300001	1.90E-02
TCAC026	48	49	380	54800	5.48	3.80E-02
TCAC026	49	50	280	163500	16.35	2.80E-02
TCAC026	50	51	140	94400	9.4399996	0.014
TCAC026	51	52	140	39300	3.9300001	0.014

TCAC026	52	53	80	43700	4.3699999	8.00E-03
TCAC026	53	54	90	48800	4.8800001	9.00E-03
TCAC026	54	55	260	189000	18.9	2.60E-02
TCAC026	55	56	180	83200	8.3199997	1.80E-02
TCAC026	56	57	180	119000	11.9	1.80E-02
TCAC026	57	58	160	190000	19	1.60E-02
TCAC026	58	59	200	83500	8.3500004	0.02
TCAC026	59	60	230	169000	16.9	0.023
TCAC026	60	61	240	120500	12.05	0.024
TCAC026	61	62	310	159000	15.9	3.10E-02
TCAC026	62	63	470	244000	24.4	4.70E-02
TCAC026	63	64	390	268000	26.799999	3.90E-02
TCAC026	64	65	530	337000	33.700001	5.30E-02
TCAC026	65	66	790	292000	29.200001	7.90E-02
TCAC026	66	67	1030	324000	32.400002	0.103
TCAC026	67	68	2090	245000	24.5	0.20900001
TCAC026	68	69	1970	255000	25.5	0.197
TCAC026	69	70	820	154000	15.4	8.20E-02
TCAC026	70	71	1190	146500	14.65	0.119
TCAC026	71	72	320	79100	7.9099998	3.20E-02
TCAC026	72	73	750	133000	13.3	7.50E-02
TCAC026	73	74	1390	159500	15.95	0.139
TCAC026	74	75	6650	232000	23.200001	0.66500002
TCAC027	0	4	500	2000	0.2	5.00E-02
TCAC027	4	8	110	560	5.60E-02	0.011
TCAC027	8	12	130	1800	0.18000001	0.013
TCAC027	12	16	60	120	0.012	6.00E-03
TCAC027	16	20	60	110	0.011	6.00E-03
TCAC027	20	24	30	280	2.80E-02	0.003
TCAC027	24	28	20	70	7.00E-03	2.00E-03
TCAC027	28	32	20	80	8.00E-03	2.00E-03
TCAC027	32	36	40	50	5.00E-03	4.00E-03
TCAC027	36	40	150	150	0.015	0.015
TCAC027	40	44	160	1190	0.119	1.60E-02
TCAC027	44	48	140	830	8.30E-02	0.014
TCAC027	48	52	220	770	0.077	0.022
TCAC027	52	56	180	320	3.20E-02	1.80E-02
TCAC027	56	60	170	210	0.021	1.70E-02
TCAC027	60	63	240	290	2.90E-02	0.024
TCAC027	63	65	310	320	3.20E-02	3.10E-02
TCAC027	65	66	890	11150	1.115	8.90E-02
TCAC027	66	67	1500	65300	6.5300002	0.15000001
TCAC027	67	68	960	43900	4.3899999	9.60E-02
TCAC027	68	69	770	36800	3.6800001	0.077
TCAC027	69	70	730	38800	3.8800001	7.30E-02
TCAC027	70	71	420	21700	2.1700001	4.20E-02
TCAC027	71	72	500	69400	6.9400001	5.00E-02
TCAC027	72	73	370	87600	8.7600002	0.037
TCAC027	73	74	440	86300	8.6300001	0.044
TCAC027	74	75	280	41100	4.1100001	2.80E-02
TCAC028	0	4	260	2060	0.206	2.60E-02
TCAC028	4	8	190	1560	0.156	1.90E-02
TCAC028	8	12	120	430	4.30E-02	0.012
TCAC028	12	16	140	470	4.70E-02	0.014
TCAC028	16	20	140	340	3.40E-02	0.014
TCAC028	20	24	140	360	3.60E-02	0.014
TCAC028	24	28	540	550	0.055	5.40E-02
TCAC028	28	32	370	370	0.037	0.037
TCAC028	32	36	160	190	1.90E-02	1.60E-02
TCAC028	36	40	90	120	0.012	9.00E-03
TCAC028	40	44	50	80	8.00E-03	5.00E-03
TCAC028	44	48	40	80	8.00E-03	4.00E-03
TCAC028	48	52	30	110	0.011	0.003

TCAC028	52	56	30	40	4.00E-03	0.003
TCAC028	56	60	50	60	6.00E-03	5.00E-03
TCAC028	60	63	20	40	4.00E-03	2.00E-03
TCAC029	0	4	850	900	9.00E-02	8.50E-02
TCAC029	4	8	180	790	7.90E-02	1.80E-02
TCAC029	8	12	100	510	5.10E-02	1.00E-02
TCAC029	12	16	80	810	0.081	8.00E-03
TCAC029	16	18	30	1560	0.156	0.003
TCAC029	18	19	30	4020	0.40200001	0.003
TCAC029	19	20	90	2130	0.213	9.00E-03
TCAC029	20	21	60	2150	0.215	6.00E-03
TCAC029	21	22	110	38200	3.8199999	0.011
TCAC029	22	23	210	35100	3.51	0.021
TCAC029	23	24	130	5270	0.52700001	0.013
TCAC030	0	4	580	1490	0.149	5.80E-02
TCAC030	4	8	140	810	0.081	0.014
TCAC030	8	12	180	590	0.059	1.80E-02
TCAC030	12	16	80	580	5.80E-02	8.00E-03
TCAC030	16	20	180	1020	0.102	1.80E-02
TCAC030	20	24	1640	2140	0.214	0.164
TCAC030	24	25	2090	17200	1.72	0.20900001
TCAC030	25	26	2390	85400	8.54	0.23899999
TCAC030	26	27	3560	69600	6.96	0.35600001
TCAC030	27	28	2770	81800	8.1800003	0.27700001
TCAC030	28	29	3990	52500	5.25	0.39899999
TCAC030	29	30	1070	101500	10.15	0.107
TCAC030	30	32	3390	60700	6.0700002	0.33899999
TCAC030	32	33	120	2710	0.271	0.012
TCAC030	33	34	260	5800	0.57999998	2.60E-02
TCAC030	34	35	1350	37800	3.78	0.13500001
TCAC030	35	36	180	4860	0.486	1.80E-02
TCAC030	36	37	60	1490	0.149	6.00E-03
TCAC030	37	40	50	890	8.90E-02	5.00E-03
TCAC030	40	44	110	1040	0.104	0.011
TCAC030	44	45	960	7430	0.74299997	9.60E-02
TCAC030	45	46	790	12700	1.27	7.90E-02
TCAC030	46	47	2650	28800	2.8800001	0.26499999
TCAC030	47	48	480	5250	0.52499998	0.048
TCAC030	48	49	7420	61700	6.1700001	0.74199998
TCAC030	49	50	4550	41400	4.1399999	0.45500001
TCAC030	50	51	1830	17500	1.75	0.183
TCAC030	51	52	7760	67400	6.7399998	0.77600002
TCAC030	52	53	5830	55800	5.5799999	0.583
TCAC030	53	54	16000	118000	11.8	1.6
TCAC030	54	55	6200	41900	4.1900001	0.62
TCAC030	55	56	6520	51800	5.1799998	0.65200001
TCAC030	56	57	2470	22300	2.23	0.24699999
TCAC030	57	58	7510	70300	7.0300002	0.75099999
TCAC030	58	59	3810	29300	2.9300001	0.38100001
TCAC030	59	60	2670	20500	2.05	0.26699999
TCAC030	60	61	4710	25700	2.5699999	0.47099999
TCAC030	61	62	3210	14600	1.46	0.32100001
TCAC030	62	63	3970	19100	1.91	0.39700001
TCAC030	63	64	1900	14800	1.48	0.19
TCAC030	64	65	3790	34800	3.48	0.37900001
TCAC030	65	66	2330	25500	2.55	0.233
TCAC030	66	67	2790	13600	1.36	0.27900001
TCAC030	67	68	2550	28400	2.8399999	0.255
TCAC030	68	69	2140	32300	3.23	0.214
TCAC030	69	70	2080	27600	2.76	0.208
TCAC031	0	4	980	1390	0.139	9.80E-02
TCAC031	4	8	740	1030	0.103	7.40E-02
TCAC031	8	12	260	620	6.20E-02	2.60E-02

TCAC031	12	16	120	720	7.20E-02	0.012
TCAC031	16	20	30	1390	0.139	0.003
TCAC031	20	24	180	1390	0.139	1.80E-02
TCAC031	24	28	130	1960	0.19599999	0.013
TCAC031	28	31	480	6880	0.68800002	0.048
TCAC031	31	32	950	24100	2.4100001	9.50E-02
TCAC031	32	33	260	18900	1.89	2.60E-02
TCAC031	33	34	2240	10200	1.02	0.22400001
TCAC031	34	35	510	37900	3.79	5.10E-02
TCAC031	35	36	1030	93200	9.3199997	0.103
TCAC031	36	37	950	16600	1.66	9.50E-02
TCAC031	37	38	3750	128500	12.85	0.375
TCAC031	38	39	4610	96100	9.6099997	0.461
TCAC031	39	40	8280	72400	7.2399998	0.82800001
TCAC031	40	41	4900	73900	7.3899999	0.49000001
TCAC031	41	42	5230	125500	12.55	0.523
TCAC031	42	43	970	176000	17.6	9.70E-02
TCAC031	43	44	490	183500	18.35	4.90E-02
TCAC031	44	45	210	49000	4.9000001	0.021
TCAC031	45	46	280	81800	8.1800003	2.80E-02
TCAC031	46	47	350	176500	17.65	0.035
TCAC031	47	48	220	110500	11.05	0.022
TCAC031	48	49	280	129500	12.95	2.80E-02
TCAC031	50	51	200	80700	8.0699997	0.02
TCAC031	51	52	110	31100	3.1099999	0.011
TCAC031	52	53	110	49000	4.9000001	0.011
TCAC031	53	54	90	49200	4.9200001	9.00E-03
TCAC031	54	55	100	93100	9.3100004	1.00E-02
TCAC031	55	56	250	47200	4.7199998	0.025
TCAC031	56	57	200	15300	1.53	0.02
TCAC031	57	58	220	12600	1.26	0.022
TCAC031	58	59	130	12900	1.29	0.013
TCAC031	59	60	150	7920	0.792	0.015
TCAC031	60	61	430	103000	10.3	4.30E-02
TCAC031	61	62	80	23900	2.3900001	8.00E-03
TCAC031	62	63	80	26800	2.6800001	8.00E-03
TCAC031	63	64	90	72000	7.1999998	9.00E-03
TCAC031	64	65	50	120000	12	5.00E-03
TCAC031	65	66	80	69300	6.9299998	8.00E-03
TCAC031	66	67	80	57300	5.73	8.00E-03
TCAC031	67	68	70	117000	11.7	7.00E-03
TCAC031	68	69	160	40300	4.0300002	1.60E-02
TCAC031	69	70	100	95900	9.5900002	1.00E-02
TCAC031	70	71	310	14500	1.45	3.10E-02
TCAC031	71	72	70	19900	1.99	7.00E-03
TCAC031	72	73	210	54500	5.4499998	0.021
TCAC031	73	74	230	14400	1.4400001	0.023
TCAC031	74	75	150	91000	9.1000004	0.015
TCAC032	0	4	690	67200	6.7199998	6.90E-02
TCAC032	4	8	410	1910	0.191	4.10E-02
TCAC032	8	12	790	1950	0.19499999	7.90E-02
TCAC032	12	16	510	1100	0.11	5.10E-02
TCAC032	16	20	810	1540	0.154	0.081
TCAC032	20	24	550	1780	0.178	0.055
TCAC032	24	26	670	2090	0.20900001	6.70E-02
TCAC032	26	27	600	3850	0.38499999	6.00E-02
TCAC032	27	28	330	42100	4.21	0.033
TCAC032	28	29	2780	175500	17.549999	0.278
TCAC032	29	30	490	28500	2.8499999	4.90E-02
TCAC032	30	31	5480	111000	11.1	0.54799998
TCAC032	31	32	3740	111000	11.1	0.37400001
TCAC032	32	33	5700	154000	15.4	0.56999999
TCAC032	33	34	2060	65700	6.5700002	0.206

TCAC032	34	35	1370	54300	5.4299998	0.13699999
TCAC032	35	36	390	28800	2.8800001	3.90E-02
TCAC032	36	37	550	62400	6.2399998	0.055
TCAC032	37	38	320	39700	3.97	3.20E-02
TCAC032	38	39	850	95100	9.5100002	8.50E-02
TCAC032	39	40	1120	169000	16.9	0.112
TCAC032	40	41	1000	87800	8.7799997	0.1
TCAC032	41	42	1660	124000	12.4	0.16599999
TCAC032	42	43	1550	137500	13.75	0.155
TCAC032	43	44	460	186500	18.65	0.046
TCAC032	44	45	270	51300	5.1300001	2.70E-02
TCAC032	45	46	280	82100	8.21	2.80E-02
TCAC032	46	47	210	21900	2.1900001	0.021
TCAC032	47	48	200	22200	2.22	0.02
TCAC032	48	49	760	15100	1.51	7.60E-02
TCAC032	49	50	460	24800	2.48	0.046
TCAC032	50	51	670	25800	2.5799999	6.70E-02
TCAC032	51	52	1100	44400	4.4400001	0.11
TCAC032	52	53	740	30600	3.0599999	7.40E-02
TCAC032	53	54	290	21200	2.1199999	2.90E-02
TCAC032	54	55	390	28100	2.8099999	3.90E-02
TCAC032	55	56	220	24400	2.4400001	0.022
TCAC032	56	57	200	16900	1.6900001	0.02
TCAC032	57	58	910	33500	3.3499999	9.10E-02
TCAC032	58	59	580	42300	4.23	5.80E-02
TCAC032	59	60	390	33700	3.3699999	3.90E-02
TCAC032	60	61	1630	49600	4.96	0.163
TCAC032	61	62	600	28000	2.8	6.00E-02
TCAC032	62	63	3570	20500	2.05	0.35699999
TCAC032	63	64	9480	99799.992	9.9799995	0.94800001
TCAC032	64	65	3150	43600	4.3600001	0.315
TCAC032	65	66	3280	16000	1.6	0.32800001
TCAC033	0	4	660	1340	0.134	0.066
TCAC033	4	8	620	3110	0.31099999	6.20E-02
TCAC033	8	12	1210	6170	0.61699998	0.121
TCAC033	12	16	900	6330	0.63300002	9.00E-02
TCAC033	16	20	1230	7170	0.71700001	0.123
TCAC033	20	24	860	2100	0.20999999	8.60E-02
TCAC033	24	26	1700	5690	0.56900001	0.17
TCAC033	26	27	760	35800	3.5799999	7.60E-02
TCAC033	27	28	1570	180500	18.049999	0.15700001
TCAC033	28	29	1200	145500	14.55	0.12
TCAC033	29	30	1890	125500	12.55	0.189
TCAC033	30	31	1180	118000	11.8	0.118
TCAC033	31	32	2000	130000	13	0.2
TCAC034	4	6	2490	7680	0.76800001	0.249
TCAC034	0	4	860	5040	0.50400001	8.60E-02
TCAC034	4	6	2450	7540	0.75400001	
TCAC034	6	7	4240	13500	1.35	0.42399999
TCAC034	7	8	6300	22400	2.24	0.63
TCAC034	8	9	3190	9010	0.90100002	0.31900001
TCAC034	9	10	8860	17400	1.74	0.88599998
TCAC034	10	11	5020	8610	0.861	0.50199997
TCAC034	11	12	4090	6360	0.63599998	0.40900001
TCAC034	12	13	5080	6770	0.67699999	0.50800002
TCAC034	13	14	4620	5920	0.59200001	0.46200001
TCAC034	14	15	3330	4020	0.40200001	0.333
TCAC034	15	16	4470	5340	0.53399998	0.447
TCAC034	16	17	2690	4320	0.43200001	0.26899999
TCAC034	17	18	4070	5090	0.509	0.40700001
TCAC034	18	19	2980	210000	21	0.29800001
TCAC034	19	20	1950	9730	0.97299999	0.19499999
TCAC034	20	21	2720	121000	12.1	0.27200001

TCAC034	21	22	2990	88300	8.8299999	0.29899999
TCAC034	22	23	2860	8040	0.80400002	0.28600001
TCAC034	23	24	3810	14100	1.41	0.38100001
TCAC034	24	25	3830	29900	2.99	0.38299999
TCAC034	25	26	7420	19600	1.96	0.74199998
TCAC034	26	27	10600	17100	1.71	1.0599999
TCAC034	27	28	1750	3800	0.38	0.175
TCAC034	28	29	1920	6720	0.67199999	0.192
TCAC034	29	30	2370	2620	0.26199999	0.237
TCAC034	30	31	6110	8280	0.82800001	0.611
TCAC034	31	32	4230	19400	1.9400001	0.42300001
TCAC034	32	33	2200	40600	4.0599999	0.22
TCAC034	33	34	3050	17100	1.71	0.30500001
TCAC034	34	35	1070	53200	5.3200002	0.107
TCAC034	35	36	900	14000	1.4	9.00E-02
TCAC034	36	37	810	19400	1.9400001	0.081
TCAC034	37	38	1450	24600	2.46	0.145
TCAC034	38	39	1200	11600	1.16	0.12
TCAC034	39	40	940	5730	0.57300001	9.40E-02
TCAC034	40	41	1670	7870	0.787	0.167
TCAC034	41	42	1130	5760	0.57599998	0.113
TCAC034	42	43	1070	3530	0.35299999	0.107
TCAC034	43	44	1210	8960	0.89600003	0.121
TCAC034	44	45	810	2880	0.28799999	0.081
TCAC034	45	46	1000	6980	0.69800001	0.1
TCAC034	46	47	1480	19500	1.95	0.148
TCAC034	47	48	870	7060	0.70599997	8.70E-02
TCAC034	48	49	680	11100	1.11	6.80E-02
TCAC034	49	50	1600	5220	0.52200001	0.16
TCAC034	50	51	1450	4830	0.48300001	0.145
TCAC034	51	52	820	4370	0.43700001	8.20E-02
TCAC034	52	53	1470	5630	0.56300002	0.147
TCAC034	53	54	1280	3440	0.34400001	0.12800001
TCAC034	54	55	1630	4300	0.43000001	0.163
TCAC034	55	56	730	2480	0.248	7.30E-02
TCAC034	56	57	760	3400	0.34	7.60E-02
TCAC034	57	58	640	2750	0.27500001	6.40E-02
TCAC034	58	59	720	3730	0.373	7.20E-02
TCAC034	59	60	450	1180	0.118	4.50E-02
TCAC034	60	61	720	1260	0.126	7.20E-02
TCAC034	61	62	620	1240	0.124	6.20E-02
TCAC034	62	63	350	1050	0.105	0.035
TCAC034	63	64	1550	1780	0.178	0.155
TCAC034	64	65	1040	2300	0.23	0.104
TCAC034	65	66	740	1870	0.18700001	7.40E-02
TCAC034	66	67	1570	2650	0.26499999	0.15700001
TCAC034	67	68	810	1890	0.189	0.081
TCAC034	68	69	920	2110	0.211	0.092
TCAC034	69	70	790	1180	0.118	7.90E-02
TCAC034	70	71	1280	1590	0.15899999	0.12800001
TCAC034	71	72	3060	2900	0.28999999	0.30599999
TCAC034	72	73	2150	2420	0.242	0.215
TCAC034	73	74	4590	2590	0.259	0.45899999
TCAC034	74	75	3060	1400	0.14	0.30599999
TCAC035	0	4	1110	1510	0.15099999	0.111
TCAC035	4	8	1090	1320	0.132	0.109
TCAC035	8	12	3220	4080	0.40799999	0.322
TCAC035	12	16	2680	3380	0.338	0.26800001
TCAC035	16	20	2760	4770	0.477	0.27599999
TCAC035	20	24	2930	4450	0.44499999	0.29300001
TCAC035	24	28	1440	2500	0.25	0.14399999
TCAC035	28	32	2750	7990	0.79900002	0.27500001
TCAC035	32	35	2470	2340	0.234	0.24699999

TCAC035	35	36	3310	6740	0.67400002	0.331
TCAC035	36	38	4850	12300	1.23	0.48500001
TCAC035	38	40	5890	11900	1.1900001	0.58899999
TCAC035	40	41	6050	11800	1.1799999	0.60500002
TCAC035	41	42	1980	2530	0.25299999	0.198
TCAC035	42	43	2970	4340	0.43399999	0.29699999
TCAC035	43	44	2120	9570	0.95700002	0.212
TCAC035	44	45	3340	7370	0.73699999	0.33399999
TCAC035	45	46	1580	2330	0.233	0.15800001
TCAC035	46	48	5800	5770	0.57700002	0.57999998
TCAC035	48	49	2210	18400	1.84	0.221
TCAC035	49	50	1520	9930	0.99299997	0.152
TCAC035	50	51	640	4750	0.47499999	6.40E-02
TCAC035	51	52	770	2970	0.29699999	0.077
TCAC035	52	53	1090	2410	0.241	0.109
TCAC035	53	54	1690	3140	0.31400001	0.169
TCAC036	0	4	340	1720	0.17200001	3.40E-02
TCAC036	4	8	1190	1710	0.171	0.119
TCAC036	8	12	1280	2110	0.211	0.12800001
TCAC036	12	16	1100	1440	0.14399999	0.11
TCAC036	16	20	1810	2030	0.20299999	0.18099999
TCAC036	20	24	1240	3500	0.34999999	0.124
TCAC036	24	28	440	2120	0.212	0.044
TCAC036	28	32	180	2130	0.213	1.80E-02
TCAC036	32	36	1400	3630	0.36300001	0.14
TCAC036	36	40	1590	4630	0.463	0.15899999
TCAC036	40	41	1520	4760	0.47600001	0.152
TCAC036	41	42	990	3730	0.373	9.90E-02
TCAC036	42	43	1410	8670	0.86699998	0.141
TCAC036	43	44	1050	4030	0.403	0.105
TCAC036	44	45	970	2630	0.26300001	9.70E-02
TCAC036	45	49	1450	1910	0.191	0.145
TCAC036	49	53	1210	1930	0.193	0.121
TCAC036	53	54	1010	2930	0.29300001	0.101
TCAC037	0	4	380	940	9.40E-02	3.80E-02
TCAC037	4	8	850	1490	0.149	8.50E-02
TCAC037	8	12	120	970	9.70E-02	0.012
TCAC037	12	14	110	1350	0.13500001	0.011
TCAC037	14	15	60	2960	0.296	6.00E-03
TCAC037	15	16	20	21100	2.1099999	2.00E-03
TCAC037	16	17	20	1220	0.122	2.00E-03
TCAC037	17	18	20	11700	1.17	2.00E-03
TCAC037	18	19	130	19300	1.9299999	0.013
TCAC037	19	20	190	3180	0.31799999	1.90E-02
TCAC037	20	21	270	2580	0.25799999	2.70E-02
TCAC037	21	23	270	3480	0.34799999	2.70E-02
TCAC037	23	24	220	2360	0.236	0.022
TCAC037	24	25	270	6200	0.62	2.70E-02
TCAC037	25	26	230	15400	1.54	0.023
TCAC037	26	27	530	49200	4.9200001	5.30E-02
TCAC037	27	28	250	17100	1.71	0.025
TCAC037	28	29	490	36200	3.6199999	4.90E-02
TCAC037	29	30	170	49400	4.9400001	1.70E-02
TCAC037	30	31	110	18100	1.8099999	0.011
TCAC037	31	32	70	4320	0.43200001	7.00E-03
TCAC037	32	33	220	88500	8.8500004	0.022
TCAC037	33	34	560	67000	6.6999998	5.60E-02
TCAC037	34	35	1140	381000	38.099998	0.114
TCAC037	35	36	610	174500	17.450001	6.10E-02
TCAC037	36	37	640	206000	20.6	6.40E-02
TCAC037	37	38	590	163500	16.35	0.059
TCAC037	38	39	4120	82500	8.25	0.412
TCAC037	39	40	1390	72200	7.2199998	0.139

TCAC037	40	41	1210	29200	2.9200001	0.121
TCAC037	41	42	1340	20500	2.05	0.134
TCAC037	42	43	800	4240	0.42399999	8.00E-02
TCAC037	43	44	570	5860	0.58600003	0.057
TCAC037	44	45	410	9060	0.90600002	4.10E-02
TCAC037	45	46	390	8020	0.80199999	3.90E-02
TCAC037	46	47	380	8340	0.83399999	3.80E-02
TCAC037	47	48	420	9250	0.92500001	4.20E-02
TCAC037	48	49	380	7560	0.75599998	3.80E-02
TCAC037	49	50	410	8510	0.85100001	4.10E-02
TCAC037	50	51	430	5450	0.54500002	4.30E-02
TCAC038	0	4	200	820	8.20E-02	0.02
TCAC038	4	8	550	1360	0.13600001	0.055
TCAC038	8	12	280	1060	0.106	2.80E-02
TCAC038	12	16	490	1960	0.19599999	4.90E-02
TCAC038	16	20	580	5490	0.54900002	5.80E-02
TCAC038	20	24	690	4960	0.49599999	6.90E-02
TCAC038	24	26	200	4250	0.42500001	0.02
TCAC038	26	27	340	56200	5.6199999	3.40E-02
TCAC038	27	28	340	58100	5.8099999	3.40E-02
TCAC038	28	29	240	85200	8.5200005	0.024
TCAC038	29	30	410	203000	20.299999	4.10E-02
TCAC038	30	31	180	91400	9.1400003	1.80E-02
TCAC038	31	32	250	92700	9.2700005	0.025
TCAC038	32	33	230	77600	7.7600002	0.023
TCAC038	33	34	210	69100	6.9099998	0.021
TCAC038	34	35	190	28500	2.8499999	1.90E-02
TCAC038	35	36	240	33000	3.3	0.024
TCAC038	36	37	490	130000	13	4.90E-02
TCAC038	37	38	450	152000	15.2	4.50E-02
TCAC038	38	39	270	107500	10.75	2.70E-02
TCAC038	39	40	270	58700	5.8699999	2.70E-02
TCAC038	40	41	470	97800	9.7799997	4.70E-02
TCAC038	41	42	190	26700	2.6700001	1.90E-02
TCAC038	42	43	570	39900	3.99	0.057
TCAC038	43	44	2910	91800	9.1800003	0.29100001
TCAC038	44	45	400	58400	5.8400002	4.00E-02
TCAC038	45	46	300	32300	3.23	3.00E-02
TCAC038	46	47	450	31100	3.1099999	4.50E-02
TCAC038	47	48	1170	87200	8.7200003	0.117
TCAC038	48	49	3180	108000	10.8	0.31799999
TCAC038	49	50	4080	107500	10.75	0.40799999
TCAC038	50	51	5670	126500	12.65	0.56699997
TCAC038	51	52	6870	117000	11.7	0.68699998
TCAC038	52	53	2350	141000	14.1	0.235
TCAC038	53	54	1780	153000	15.3	0.178
TCAC038	54	55	1920	161000	16.1	0.192
TCAC038	55	56	1540	202000	20.200001	0.154
TCAC038	56	57	1640	107500	10.75	0.164
TCAC038	57	58	1550	104500	10.45	0.155
TCAC038	58	59	1440	220000	22	0.14399999
TCAC038	59	60	2670	42700	4.27	0.26699999
TCAC038	60	61	2070	25200	2.52	0.207
TCAC038	61	62	1150	3030	0.303	0.115
TCAC038	62	63	2070	13600	1.36	0.207
TCAC038	63	64	1140	17600	1.76	0.114
TCAC038	64	65	1950	29300	2.9300001	0.19499999
TCAC038	65	66	2200	33900	3.3900001	0.22
TCAC038	66	67	1090	16800	1.6799999	0.109
TCAC038	67	68	3320	33500	3.3499999	0.33199999
TCAC038	68	69	1000	13100	1.3099999	0.1
TCAC038	69	70	980	26200	2.6199999	9.80E-02
TCAC038	70	71	1580	47800	4.7800002	0.15800001

TCAC038	71	72	1350	47700	4.77	0.13500001
TCAC038	72	73	1080	93000	9.3000002	0.108
TCAC038	73	74	950	122000	12.2	9.50E-02
TCAC038	74	75	400	120000	12	4.00E-02
TCAC039	0	4	210	1620	0.162	0.021
TCAC039	4	8	800	2010	0.20100001	8.00E-02
TCAC039	8	12	350	790	7.90E-02	0.035
TCAC039	12	16	110	300	3.00E-02	0.011
TCAC039	16	20	100	230	0.023	1.00E-02
TCAC039	20	24	80	290	2.90E-02	8.00E-03
TCAC039	24	28	80	270	2.70E-02	8.00E-03
TCAC039	28	32	80	520	5.20E-02	8.00E-03
TCAC039	32	35	80	1120	0.112	8.00E-03
TCAC039	35	36	90	20000	2	9.00E-03
TCAC039	36	37	80	4860	0.486	8.00E-03
TCAC039	37	38	90	5470	0.54699999	9.00E-03
TCAC039	38	39	90	3550	0.35499999	9.00E-03
TCAC039	39	40	70	2920	0.292	7.00E-03
TCAC039	40	41	110	2840	0.28400001	0.011
TCAC039	41	42	80	10100	1.01	8.00E-03
TCAC039	42	43	70	2540	0.25400001	7.00E-03
TCAC039	43	44	120	16000	1.6	0.012
TCAC039	44	45	110	3860	0.38600001	0.011
TCAC039	45	46	90	1790	0.17900001	9.00E-03
TCAC039	46	47	730	11200	1.12	7.30E-02
TCAC039	47	48	1570	12500	1.25	0.15700001
TCAC039	48	49	430	2150	0.215	4.30E-02
TCAC039	49	50	210	1420	0.142	0.021
TCAC039	50	51	270	1570	0.15700001	2.70E-02
TCAC039	51	52	200	1420	0.142	0.02
TCAC039	52	53	160	1070	0.107	1.60E-02
TCAC039	53	54	150	820	8.20E-02	0.015
TCAC039	54	55	310	1720	0.17200001	3.10E-02
TCAC039	55	56	730	2670	0.26699999	7.30E-02
TCAC039	56	57	790	3360	0.336	7.90E-02
TCAC039	57	58	1020	3890	0.389	0.102
TCAC039	58	59	980	4950	0.495	9.80E-02
TCAC039	59	60	4730	18500	1.85	0.47299999
TCAC039	60	61	11200	23700	2.3699999	1.12
TCAC039	61	62	2500	5390	0.53899997	0.25
TCAC039	62	63	5080	7020	0.70200002	0.50800002
TCAC039	63	64	6880	7360	0.736	0.68800002
TCAC039	64	65	3460	18300	1.83	0.34599999
TCAC039	65	66	6120	8470	0.847	0.61199999
TCAC039	66	67	6580	12200	1.22	0.65799999
TCAC039	67	68	2620	30800	3.0799999	0.26199999
TCAC039	68	69	3890	16900	1.6900001	0.389
TCAC039	69	70	3790	12000	1.2	0.37900001
TCAC039	70	71	1850	20500	2.05	0.185
TCAC039	71	72	2080	11500	1.15	0.208
TCAC039	72	73	3750	10100	1.01	0.375
TCAC039	73	74	1800	4570	0.45699999	0.18000001
TCAC039	74	75	4740	6010	0.60100001	0.47400001
TCAC040	0	4	390	1160	0.116	3.90E-02
TCAC040	4	8	540	2130	0.213	5.40E-02
TCAC040	8	12	180	3070	0.30700001	1.80E-02
TCAC040	12	16	220	2800	0.28	0.022
TCAC040	16	20	330	3610	0.361	0.033
TCAC040	20	22	210	3250	0.32499999	0.021
TCAC040	22	23	150	4860	0.486	0.015
TCAC040	23	24	220	15500	1.55	0.022
TCAC040	24	25	240	6030	0.60299999	0.024
TCAC040	25	26	650	4190	0.419	6.50E-02

TCAC040	26	28	660	7950	0.79500002	0.066
TCAC040	28	30	1950	9400	0.94	0.19499999
TCAC040	30	33	2290	6140	0.61400002	0.229
TCAC041	0	4	180	810	0.081	1.80E-02
TCAC041	4	8	560	1070	0.107	5.60E-02
TCAC041	8	12	870	1150	0.115	8.70E-02
TCAC041	12	16	800	2060	0.206	8.00E-02
TCAC041	16	20	2700	3260	0.32600001	0.27000001
TCAC041	20	24	1330	2060	0.206	0.133
TCAC041	24	26	2400	3680	0.368	0.23999999
TCAC041	26	27	800	4560	0.456	8.00E-02
TCAC041	27	28	560	6870	0.68699998	5.60E-02
TCAC041	28	29	4310	17300	1.73	0.43099999
TCAC041	29	30	9850	57300	5.73	0.98500001
TCAC041	30	31	4670	35000	3.5	0.46700001
TCAC041	31	32	2180	17100	1.71	0.21799999
TCAC041	32	33	5250	41700	4.1700001	0.52499998
TCAC041	33	34	770	7930	0.79299998	0.077
TCAC041	34	35	1830	57300	5.73	0.183
TCAC041	35	36	510	8880	0.88800001	5.10E-02
TCAC041	36	37	370	5530	0.55299997	0.037
TCAC041	37	38	640	8610	0.861	6.40E-02
TCAC041	38	39	820	12700	1.27	8.20E-02
TCAC041	39	40	400	3800	0.38	4.00E-02
TCAC041	40	41	440	2230	0.223	0.044
TCAC041	41	42	610	2340	0.234	6.10E-02
TCAC041	42	43	460	1810	0.18099999	0.046
TCAC041	43	44	530	2170	0.21699999	5.30E-02
TCAC041	44	45	500	3500	0.34999999	5.00E-02
TCAC041	45	46	340	1490	0.149	3.40E-02
TCAC041	46	47	510	1670	0.167	5.10E-02
TCAC041	47	48	480	2100	0.20999999	0.048
TCAC041	48	49	720	4320	0.43200001	7.20E-02
TCAC041	49	50	1060	7180	0.71799999	0.106
TCAC041	50	51	1490	5560	0.55599999	0.149
TCAC041	51	52	480	5400	0.54000002	0.048
TCAC041	52	53	570	8210	0.82099998	0.057
TCAC041	53	54	1100	7400	0.74000001	0.11
TCAC041	54	55	8770	16300	1.63	0.87699997
TCAC042	0	4	310	320	3.20E-02	3.10E-02
TCAC042	4	8	240	130	0.013	0.024
TCAC042	8	12	260	150	0.015	2.60E-02
TCAC042	12	16	230	180	1.80E-02	0.023
TCAC042	16	20	240	180	1.80E-02	0.024
TCAC042	20	24	240	290	2.90E-02	0.024
TCAC042	24	28	170	350	0.035	1.70E-02
TCAC042	28	32	170	420	4.20E-02	1.70E-02
TCAC042	32	36	410	490	4.90E-02	4.10E-02
TCAC042	36	40	320	660	0.066	3.20E-02
TCAC042	40	44	410	320	3.20E-02	4.10E-02
TCAC042	44	48	420	140	0.014	4.20E-02
TCAC042	48	52	410	60	6.00E-03	4.10E-02
TCAC042	52	56	410	30	0.003	4.10E-02
TCAC042	56	58	380	60	6.00E-03	3.80E-02
TCAC043	0	4	210	200	0.02	0.021
TCAC043	4	8	90	70	7.00E-03	9.00E-03
TCAC043	8	12	90	90	9.00E-03	9.00E-03
TCAC043	12	15	380	610	6.10E-02	3.80E-02
TCAC044	0	4	130	160	1.60E-02	0.013
TCAC044	4	8	100	170	1.70E-02	1.00E-02
TCAC044	8	12	200	270	2.70E-02	0.02
TCAC044	12	16	260	170	1.70E-02	2.60E-02
TCAC044	16	20	280	20	2.00E-03	2.80E-02

TCAC044	20	24	310	50	5.00E-03	3.10E-02
TCAC044	24	28	320	10	0.001	3.20E-02
TCAC044	28	32	380	-10	-0.001	3.80E-02
TCAC044	32	36	360	10	0.001	3.60E-02
TCAC044	36	40	360	-10	-0.001	3.60E-02
TCAC044	40	42	390	-10	-0.001	3.90E-02
TCAC045	0	4	160	450	4.50E-02	1.60E-02
TCAC045	4	8	200	470	4.70E-02	0.02
TCAC045	8	12	500	490	4.90E-02	5.00E-02
TCAC045	12	16	290	260	2.60E-02	2.90E-02
TCAC045	16	20	300	210	0.021	3.00E-02
TCAC045	20	24	340	480	0.048	3.40E-02
TCAC045	24	28	190	1260	0.126	1.90E-02
TCAC045	28	32	120	890	8.90E-02	0.012
TCAC045	32	36	80	640	6.40E-02	8.00E-03
TCAC045	36	40	130	150	0.015	0.013
TCAC045	40	44	280	160	1.60E-02	2.80E-02
TCAC045	44	48	510	320	3.20E-02	5.10E-02
TCAC045	48	52	240	140	0.014	0.024
TCAC045	52	54	300	60	6.00E-03	3.00E-02
TCAC045	54	57	540	240	0.024	5.40E-02
TCAC046	0	4	130	460	0.046	0.013
TCAC046	4	8	340	640	6.40E-02	3.40E-02
TCAC046	8	12	420	2460	0.24600001	4.20E-02
TCAC046	12	16	720	6400	0.63999999	7.20E-02
TCAC046	16	20	740	1970	0.197	7.40E-02
TCAC046	20	24	610	3260	0.32600001	6.10E-02
TCAC046	24	27	540	2650	0.26499999	5.40E-02
TCAC046	27	28	310	1670	0.167	3.10E-02
TCAC046	28	29	510	3540	0.354	5.10E-02
TCAC046	29	30	140	2510	0.25099999	0.014
TCAC046	30	31	190	4720	0.472	1.90E-02
TCAC046	31	32	130	2140	0.214	0.013
TCAC046	32	33	270	2150	0.215	2.70E-02
TCAC046	33	37	460	2510	0.25099999	0.046
TCAC046	37	41	110	570	0.057	0.011
TCAC046	41	44	270	960	9.60E-02	2.70E-02
TCAC046	44	45	420	1080	0.108	4.20E-02
TCAC046	45	46	1790	36100	3.6099999	0.17900001
TCAC046	46	47	1770	5260	0.52600002	0.177
TCAC046	47	48	2020	3800	0.38	0.20200001
TCAC046	48	52	440	1480	0.148	0.044
TCAC046	52	53	1070	2390	0.23899999	0.107
TCAC046	53	54	1300	2430	0.243	0.13
TCAC046	54	55	730	1380	0.138	7.30E-02
TCAC046	55	56	2630	3740	0.37400001	0.26300001
TCAC046	56	58	1390	1760	0.176	0.139
TCAC047	0	4	110	550	0.055	0.011
TCAC047	4	8	380	790	7.90E-02	3.80E-02
TCAC047	8	12	540	870	8.70E-02	5.40E-02
TCAC047	12	16	650	1610	0.161	6.50E-02
TCAC047	16	20	240	1660	0.16599999	0.024
TCAC047	20	23	290	2740	0.27399999	2.90E-02
TCAC047	23	24	180	2670	0.26699999	1.80E-02
TCAC047	24	25	970	4830	0.48300001	9.70E-02
TCAC047	25	26	5010	8910	0.89099997	0.50099999
TCAC047	26	27	36400	22800	2.28	3.6400001
TCAC047	27	28	11850	10700	1.0700001	1.1849999
TCAC047	28	29	6410	9740	0.97399998	0.64099997
TCAC047	29	30	1660	12000	1.2	0.16599999
TCAC047	30	31	2070	23800	2.3800001	0.207
TCAC047	31	32	910	37100	3.71	9.10E-02
TCAC047	32	33	790	8990	0.89899999	7.90E-02

TCAC047	33	37	950	3590	0.359	9.50E-02
TCAC047	37	41	1520	3520	0.352	0.152
TCAC047	41	45	3980	6260	0.62599999	0.398
TCAC047	45	49	840	1920	0.192	8.40E-02
TCAC047	49	50	1220	3230	0.32300001	0.122
TCAC047	50	51	3450	3150	0.315	0.345
TCAC047	51	52	13450	68200	6.8200002	1.345
TCAC047	52	53	20600	30100	3.01	2.0599999
TCAC047	53	54	6110	172000	17.200001	0.611
TCAC047	54	55	20700	190000	19	2.0699999
TCAC047	55	56	102000	61700	6.1700001	10.2
TCAC047	56	57	58800	113000	11.3	5.8800001
TCAC047	57	58	24600	23500	2.3499999	2.46
TCAC047	58	59	63700	94800	9.4799995	6.3699999
TCAC047	59	60	8510	49700	4.9699998	0.85100001
TCAC047	60	61	1140	11200	1.12	0.114
TCAC047	61	62	2110	57400	5.7399998	0.211
TCAC047	62	63	2600	91900	9.1899996	0.25999999
TCAC047	63	64	2570	42700	4.27	0.257
TCAC047	64	65	990	11000	1.1	9.90E-02
TCAC047	65	66	1150	2850	0.285	0.115
TCAC047	66	67	540	2410	0.241	5.40E-02
TCAC047	67	68	330	1060	0.106	0.033
TCAC047	68	70	470	1110	0.111	4.70E-02
TCAC047	70	74	580	2950	0.29499999	5.80E-02
TCAC048	0	4	170	580	5.80E-02	1.70E-02
TCAC048	4	8	600	830	8.30E-02	6.00E-02
TCAC048	8	12	1260	1290	0.12899999	0.126
TCAC048	12	16	690	1130	0.113	6.90E-02
TCAC048	16	20	1200	3980	0.398	0.12
TCAC048	20	24	270	950	9.50E-02	2.70E-02
TCAC048	24	28	1740	6500	0.64999998	0.17399999
TCAC048	28	32	320	1680	0.168	3.20E-02
TCAC048	32	36	1980	5220	0.52200001	0.198
TCAC048	36	39	3040	6450	0.64499998	0.30399999
TCAC049	0	4	380	890	8.90E-02	3.80E-02
TCAC049	4	8	550	1250	0.125	0.055
TCAC049	8	12	1310	1930	0.193	0.131
TCAC049	12	16	180	840	8.40E-02	1.80E-02
TCAC049	16	20	300	1160	0.116	3.00E-02
TCAC049	20	24	280	1170	0.117	2.80E-02
TCAC049	24	28	550	1490	0.149	0.055
TCAC049	28	32	760	1000	0.1	7.60E-02
TCAC049	32	36	1160	1480	0.148	0.116
TCAC049	36	40	670	1590	0.15899999	6.70E-02
TCAC049	40	42	330	1280	0.12800001	0.033
TCAC049	42	43	160	1060	0.106	1.60E-02
TCAC049	43	44	200	1050	0.105	0.02
TCAC049	44	45	170	2500	0.25	1.70E-02
TCAC049	45	46	590	3980	0.398	0.059
TCAC049	46	47	510	2870	0.287	5.10E-02
TCAC049	47	49	1950	4490	0.449	0.19499999
TCAC049	49	50	830	2410	0.241	8.30E-02
TCAC049	50	51	1610	14600	1.46	0.161
TCAC049	51	52	440	1880	0.18799999	0.044
TCAC049	52	53	1170	5680	0.56800002	0.117
TCAC049	53	54	520	2020	0.20200001	5.20E-02
TCAC050	0	4	1000	1390	0.139	0.1
TCAC050	4	8	540	1290	0.12899999	5.40E-02
TCAC050	8	12	2650	2770	0.27700001	0.26499999
TCAC050	12	16	6570	6230	0.62300003	0.65700001
TCAC050	16	20	1590	1620	0.162	0.15899999
TCAC050	20	24	1260	1120	0.112	0.126

TCAC050	24	28	480	570	0.057	0.048
TCAC050	28	32	390	1240	0.124	3.90E-02
TCAC050	32	36	850	3050	0.30500001	8.50E-02
TCAC050	36	40	420	3080	0.308	4.20E-02
TCAC050	40	44	220	2790	0.27900001	0.022
TCAC050	44	48	1730	3540	0.354	0.17299999
TCAC050	48	52	2800	2740	0.27399999	0.28
TCAC050	52	56	690	1650	0.16500001	6.90E-02
TCAC050	56	60	770	2230	0.223	0.077
TCAC050	60	64	980	3420	0.34200001	9.80E-02
TCAC051	0	4	440	1060	0.106	0.044
TCAC051	4	8	860	1610	0.161	8.60E-02
TCAC051	8	12	910	1360	0.13600001	9.10E-02
TCAC051	12	16	2410	3200	0.31999999	0.241
TCAC051	16	20	2860	3910	0.391	0.28600001
TCAC051	20	24	1110	1750	0.175	0.111
TCAC051	24	28	2590	2820	0.28200001	0.259
TCAC051	28	32	1130	1880	0.18799999	0.113
TCAC051	32	35	670	1470	0.147	6.70E-02
TCAC051	35	39	460	1040	0.104	0.046
TCAC052	0	4	230	910	9.10E-02	0.023
TCAC052	4	8	1170	1750	0.175	0.117
TCAC052	8	12	1230	1700	0.17	0.123
TCAC052	12	16	520	1050	0.105	5.20E-02
TCAC052	16	20	740	1070	0.107	7.40E-02
TCAC052	20	24	1400	2190	0.219	0.14
TCAC052	24	28	1420	2580	0.25799999	0.142
TCAC052	28	32	1010	1890	0.189	0.101
TCAC052	32	35	900	1650	0.16500001	9.00E-02
TCAC052	35	39	350	960	9.60E-02	0.035
TCAC053	0	4	1290	1710	0.171	0.12899999
TCAC053	4	8	1220	3000	0.30000001	0.122
TCAC053	8	12	2360	5630	0.56300002	0.236
TCAC053	12	16	1360	3410	0.34099999	0.13600001
TCAC053	16	20	490	1940	0.19400001	4.90E-02
TCAC053	20	24	1270	2960	0.296	0.127
TCAC053	24	25	1040	3400	0.34	0.104
TCAC053	25	26	2090	8000	0.80000001	0.20900001
TCAC053	26	27	1330	6910	0.69099998	0.133
TCAC053	27	28	750	5670	0.56699997	7.50E-02
TCAC053	28	29	2600	5730	0.57300001	0.25999999
TCAC053	29	30	6920	49200	4.9200001	0.69199997
TCAC053	30	31	3990	91700	9.1700001	0.39899999
TCAC053	31	32	2730	202000	20.200001	0.273
TCAC053	32	33	2320	284000	28.4	0.23199999
TCAC053	33	34	2130	73300	7.3299999	0.213
TCAC053	34	35	2080	170000	17	0.208
TCAC053	35	36	3290	60900	6.0900002	0.329
TCAC053	36	37	4170	82300	8.2299995	0.417
TCAC053	37	38	2820	41500	4.1500001	0.28200001
TCAC053	38	39	2670	41200	4.1199999	0.26699999
TCAC053	39	40	2500	47800	4.7800002	0.25
TCAC053	40	41	3570	56800	5.6799998	0.35699999
TCAC053	41	42	1560	126000	12.6	0.156
TCAC053	42	43	2940	112500	11.25	0.294
TCAC053	43	44	4680	187500	18.75	0.46799999
TCAC053	44	45	8480	168500	16.85	0.84799999
TCAC053	45	46	3500	94300	9.4300003	0.34999999
TCAC053	46	47	4150	42900	4.29	0.41499999
TCAC053	47	48	6010	79200	7.9200001	0.60100001
TCAC053	48	49	2080	52500	5.25	0.208
TCAC053	49	50	910	28600	2.8599999	9.10E-02
TCAC053	50	51	2410	182500	18.25	0.241

TCAC053	51	52	1720	108500	10.85	0.17200001
TCAC053	52	53	780	25700	2.5699999	7.80E-02
TCAC053	53	54	630	94600	9.46	6.30E-02
TCAC053	54	55	400	185500	18.549999	4.00E-02
TCAC053	55	56	1300	138500	13.85	0.13
TCAC053	56	57	760	107500	10.75	7.60E-02
TCAC053	57	58	710	119500	11.95	7.10E-02
TCAC053	58	59	710	81500	8.1499996	7.10E-02
TCAC053	59	60	730	65400	6.54	7.30E-02
TCAC053	60	61	700	73200	7.3200002	0.07
TCAC053	61	62	590	49200	4.9200001	0.059
TCAC053	62	63	460	38800	3.8800001	0.046
TCAC053	63	64	970	173500	17.35	9.70E-02
TCAC053	64	65	780	84100	8.4099998	7.80E-02
TCAC053	65	66	550	43300	4.3299999	0.055
TCAC053	66	67	950	51500	5.1500001	9.50E-02
TCAC053	67	68	1150	49600	4.96	0.115
TCAC053	68	69	5370	56300	5.6300001	0.537
TCAC053	69	70	780	80300	8.0299997	7.80E-02
TCAC053	70	71	520	54400	5.4400001	5.20E-02
TCAC053	71	72	1410	45500	4.5500002	0.141
TCAC053	72	73	1130	42900	4.29	0.113
TCAC053	73	74	2510	36600	3.6600001	0.25099999
TCAC053	74	75	1860	40200	4.02	0.186
TCAC054	0	4	1160	2430	0.243	0.116
TCAC054	4	5	590	1770	0.177	0.059
TCAC054	5	6	570	1440	0.14399999	0.057
TCAC054	6	10	4580	4190	0.419	0.458
TCAC054	10	14	590	1840	0.184	0.059
TCAC054	14	18	4530	4400	0.44	0.45300001
TCAC054	18	22	2820	3710	0.37099999	0.28200001
TCAC054	22	26	1420	2220	0.222	0.142
TCAC054	26	30	890	1720	0.17200001	8.90E-02
TCAC054	30	34	1490	2380	0.23800001	0.149
TCAC054	34	35	410	4010	0.40099999	4.10E-02
TCAC054	35	36	670	31400	3.1400001	6.70E-02
TCAC054	36	37	690	13200	1.3200001	6.90E-02
TCAC054	37	38	580	5060	0.50599998	5.80E-02
TCAC054	38	39	390	2740	0.27399999	3.90E-02
TCAC054	39	40	720	4070	0.40700001	7.20E-02
TCAC054	40	41	750	8740	0.87400001	7.50E-02
TCAC054	41	42	670	8030	0.80299997	6.70E-02
TCAC054	42	43	610	10600	1.0599999	6.10E-02
TCAC054	43	44	550	6780	0.67799997	0.055
TCAC054	44	45	520	4910	0.491	5.20E-02
TCAC054	45	46	610	6380	0.63800001	6.10E-02
TCAC054	46	47	760	2040	0.204	7.60E-02
TCAC054	47	48	250	440	0.044	0.025
TCAC054	48	49	280	3830	0.38299999	2.80E-02
TCAC054	49	50	290	1160	0.116	2.90E-02
TCAC054	50	51	240	1010	0.101	0.024
TCAC054	51	52	460	3970	0.39700001	0.046
TCAC054	52	53	350	1970	0.197	0.035
TCAC054	53	54	310	1660	0.16599999	3.10E-02
TCAC054	54	55	360	3120	0.31200001	3.60E-02
TCAC054	55	56	400	1570	0.15700001	4.00E-02
TCAC054	56	57	340	640	6.40E-02	3.40E-02
TCAC054	57	58	530	2180	0.21799999	5.30E-02
TCAC054	58	59	500	4360	0.43599999	5.00E-02
TCAC054	59	61	1280	2140	0.214	0.12800001
TCAC054	61	63	2090	1190	0.119	0.20900001
TCAC054	63	64	760	1390	0.139	7.60E-02
TCAC054	64	65	2360	1010	0.101	0.236

TCAC054	65	66	3490	950	9.50E-02	0.34900001
TCAC054	66	67	1750	1250	0.125	0.175
TCAC054	67	69	2940	890	8.90E-02	0.294
TCAC054	69	70	1460	1350	0.13500001	0.146
TCAC054	70	71	1230	1420	0.142	0.123
TCAC054	71	73	910	1150	0.115	9.10E-02
TCAC054	73	75	780	420	4.20E-02	7.80E-02
TCAC055	0	4	1980	2070	0.207	0.198
TCAC055	4	8	3990	3790	0.37900001	0.39899999
TCAC055	8	12	2260	3500	0.34999999	0.226
TCAC055	12	16	870	2220	0.222	8.70E-02
TCAC055	16	20	1420	2830	0.28299999	0.142
TCAC055	20	24	980	2100	0.20999999	9.80E-02
TCAC055	24	28	900	2410	0.241	9.00E-02
TCAC055	28	32	1450	3970	0.39700001	0.145
TCAC055	32	36	1520	3000	0.30000001	0.152
TCAC055	36	40	1290	2760	0.27599999	0.12899999
TCAC055	40	43	850	2350	0.235	8.50E-02
TCAC055	43	44	870	7650	0.76499999	8.70E-02
TCAC055	44	45	550	4350	0.435	0.055
TCAC055	45	46	330	3250	0.32499999	0.033
TCAC055	46	47	680	7690	0.76899999	6.80E-02
TCAC055	47	48	680	7930	0.79299998	6.80E-02
TCAC056	0	4	1930	1900	0.19	0.193
TCAC056	4	8	1850	2730	0.273	0.185
TCAC056	8	12	1970	2500	0.25	0.197
TCAC056	12	16	1620	2220	0.222	0.162
TCAC056	16	20	1300	4450	0.44499999	0.13
TCAC056	20	23	2390	6450	0.64499998	0.23899999
TCAC056	23	24	1240	6660	0.66600001	0.124
TCAC056	24	25	2440	17600	1.76	0.244
TCAC056	25	26	2960	9650	0.96499997	0.296
TCAC056	26	28	5200	13400	1.34	0.51999998
TCAC056	28	29	7440	26900	2.6900001	0.74400002
TCAC056	29	30	3300	5820	0.58200002	0.33000001
TCAC056	30	31	3090	5300	0.52999997	0.30899999
TCAC056	31	32	9110	26200	2.6199999	0.91100001
TCAC056	32	33	6870	7670	0.76700002	0.68699998
TCAC056	33	34	11850	10600	1.0599999	1.1849999
TCAC056	34	35	3880	10000	1	0.38800001
TCAC056	35	36	3010	6470	0.64700001	0.301
TCAC056	36	37	2960	8410	0.84100002	0.296
TCAC056	37	38	4460	40400	4.04	0.44600001
TCAC056	38	39	7920	35000	3.5	0.792
TCAC056	39	40	15500	33000	3.3	1.55
TCAC056	40	41	4870	13700	1.37	0.48699999
TCAC056	41	42	3910	8030	0.80299997	0.391
TCAC056	42	43	3840	8800	0.88	0.384
TCAC056	43	44	3060	5310	0.53100002	0.30599999
TCAC056	44	45	6570	7050	0.70499998	0.65700001
TCAC056	45	46	9690	9000	0.89999998	0.96899998
TCAC056	46	47	35100	20500	2.05	3.51
TCAC056	47	51	86200	52000	5.1999998	8.6199999
TCAC056	51	54	34600	24500	2.45	3.46
TCAC056	54	57	8640	6870	0.68699998	0.86400002
TCAC056	57	60	2770	6050	0.60500002	0.27700001
TCAC057	0	4	310	1040	0.104	3.10E-02
TCAC057	4	8	280	1110	0.111	2.80E-02
TCAC057	8	12	380	1010	0.101	3.80E-02
TCAC057	12	16	1510	1780	0.178	0.15099999
TCAC057	16	20	390	990	9.90E-02	3.90E-02
TCAC057	20	24	950	1540	0.154	9.50E-02
TCAC057	24	28	570	1100	0.11	0.057

TCAC057	28	32	1140	1260	0.126	0.114
TCAC057	32	36	1500	1850	0.185	0.15000001
TCAC057	36	40	1580	1910	0.191	0.15800001
TCAC057	40	44	960	1210	0.121	9.60E-02
TCAC057	44	48	1410	1320	0.132	0.141
TCAC057	48	52	2890	2260	0.226	0.289
TCAC057	52	56	1310	1160	0.116	0.131
TCAC057	56	60	1100	1290	0.12899999	0.11
TCAC057	60	64	1180	1440	0.14399999	0.118
TCAC057	64	68	390	1650	0.16500001	3.90E-02
TCAC057	68	69	540	2310	0.23100001	5.40E-02
TCAC057	69	70	240	1050	0.105	0.024
TCAC057	70	71	410	1940	0.19400001	4.10E-02
TCAC057	71	73	120	410	4.10E-02	0.012
TCAC057	73	75	330	750	7.50E-02	0.033
TCAC058	0	4	100	900	9.00E-02	1.00E-02
TCAC058	4	8	110	990	9.90E-02	0.011
TCAC058	8	12	120	1000	0.1	0.012
TCAC058	12	16	280	1200	0.12	2.80E-02
TCAC058	16	20	1140	1450	0.145	0.114
TCAC058	20	24	370	1050	0.105	0.037
TCAC058	24	28	520	1030	0.103	5.20E-02
TCAC058	28	32	350	680	6.80E-02	0.035
TCAC058	32	36	760	1140	0.114	7.60E-02
TCAC058	36	40	210	720	7.20E-02	0.021
TCAC058	40	44	270	680	6.80E-02	2.70E-02
TCAC058	44	48	350	780	7.80E-02	0.035
TCAC059	0	4	80	790	7.90E-02	8.00E-03
TCAC059	4	8	80	870	8.70E-02	8.00E-03
TCAC059	8	12	100	830	8.30E-02	1.00E-02
TCAC059	12	16	130	840	8.40E-02	0.013
TCAC059	16	20	950	1290	0.12899999	9.50E-02
TCAC059	20	24	850	1140	0.114	8.50E-02
TCAC059	24	28	540	950	9.50E-02	5.40E-02
TCAC059	28	32	330	870	8.70E-02	0.033
TCAC059	32	36	530	1400	0.14	5.30E-02
TCAC059	36	40	460	700	0.07	0.046
TCAC059	40	44	190	480	0.048	1.90E-02
TCAC059	44	48	150	600	6.00E-02	0.015
TCAC059	48	52	140	570	0.057	0.014
TCAC060	0	4	70	610	6.10E-02	7.00E-03
TCAC060	4	8	310	760	7.60E-02	3.10E-02
TCAC060	8	12	180	380	3.80E-02	1.80E-02
TCAC060	12	16	180	500	5.00E-02	1.80E-02
TCAC060	16	20	150	380	3.80E-02	0.015
TCAC060	20	24	140	410	4.10E-02	0.014
TCAC060	24	28	130	360	3.60E-02	0.013
TCAC060	28	32	120	410	4.10E-02	0.012
TCAC060	32	36	100	330	0.033	1.00E-02
TCAC060	36	40	100	300	3.00E-02	1.00E-02
TCAC061	0	4	140	760	7.60E-02	0.014
TCAC061	4	8	40	340	3.40E-02	4.00E-03
TCAC061	8	12	80	240	0.024	8.00E-03
TCAC061	12	16	180	300	3.00E-02	1.80E-02
TCAC061	16	20	90	260	2.60E-02	9.00E-03
TCAC061	20	24	110	340	3.40E-02	0.011
TCAC061	24	28	130	290	2.90E-02	0.013
TCAC061	28	32	140	330	0.033	0.014
TCAC061	32	36	120	280	2.80E-02	0.012
TCAC061	36	40	160	340	3.40E-02	1.60E-02
TCAC062	0	4	180	870	8.70E-02	1.80E-02
TCAC062	4	8	30	400	4.00E-02	0.003
TCAC062	8	12	30	200	0.02	0.003

TCAC062	12	16	140	230	0.023	0.014
TCAC062	16	20	150	320	3.20E-02	0.015
TCAC062	20	24	210	360	3.60E-02	0.021
TCAC062	24	28	170	340	3.40E-02	1.70E-02
TCAC062	28	31	140	300	3.00E-02	0.014
TCAC063	0	4	260	960	9.60E-02	2.60E-02
TCAC063	4	8	550	1130	0.113	0.055
TCAC063	8	12	600	1030	0.103	6.00E-02
TCAC063	12	16	1030	1340	0.134	0.103
TCAC063	16	20	590	1360	0.13600001	0.059
TCAC063	20	24	1310	2100	0.20999999	0.131
TCAC063	24	28	1600	3480	0.34799999	0.16
TCAC063	28	32	1410	3170	0.317	0.141
TCAC063	32	36	420	2620	0.26199999	4.20E-02
TCAC063	36	39	590	3060	0.30599999	0.059
TCAC063	39	40	890	2800	0.28	8.90E-02
TCAC063	40	41	1290	13100	1.3099999	0.12899999
TCAC063	41	42	1520	13200	1.3200001	0.152
TCAC063	42	43	1640	8290	0.829	0.164
TCAC063	43	44	4290	11800	1.1799999	0.42899999
TCAC063	44	45	3790	14700	1.47	0.37900001
TCAC063	45	46	3370	11100	1.11	0.33700001
TCAC063	46	47	5980	12400	1.24	0.59799999
TCAC063	47	48	3260	6370	0.63700002	0.32600001
TCAC063	48	49	3590	6640	0.66399997	0.359
TCAC063	49	50	4110	8190	0.81900001	0.41100001
TCAC063	50	51	5290	10400	1.04	0.52899998
TCAC063	51	52	2660	6280	0.62800002	0.266
TCAC064	0	4	200	1060	0.106	0.02
TCAC064	4	8	440	1280	0.12800001	0.044
TCAC064	8	12	1100	1490	0.149	0.11
TCAC064	12	16	870	1240	0.124	8.70E-02
TCAC064	16	20	550	1040	0.104	0.055
TCAC064	20	24	990	1660	0.16599999	9.90E-02
TCAC064	24	28	1390	1810	0.18099999	0.139
TCAC064	28	32	530	1020	0.102	5.30E-02
TCAC064	32	36	580	940	9.40E-02	5.80E-02
TCAC064	36	40	1210	1770	0.177	0.121
TCAC064	40	44	1940	2940	0.294	0.19400001
TCAC064	44	48	960	2470	0.24699999	9.60E-02
TCAC064	48	52	800	2050	0.205	8.00E-02
TCAC064	52	56	550	1310	0.131	0.055
TCAC064	56	60	1260	1480	0.148	0.126
TCAC064	60	63	1650	1830	0.183	0.16500001
TCAC065	0	4	80	630	6.30E-02	8.00E-03
TCAC065	4	8	90	640	6.40E-02	9.00E-03
TCAC065	8	12	90	650	6.50E-02	9.00E-03
TCAC065	12	16	450	870	8.70E-02	4.50E-02
TCAC065	16	20	470	900	9.00E-02	4.70E-02
TCAC065	20	24	240	720	7.20E-02	0.024
TCAC065	24	28	240	730	7.30E-02	0.024
TCAC065	28	32	310	510	5.10E-02	3.10E-02
TCAC065	32	35	320	670	6.70E-02	3.20E-02
TCAC065	35	38	290	1360	0.13600001	2.90E-02
TCAC065	38	41	220	610	6.10E-02	0.022
TCAC066	0	4	60	520	5.20E-02	6.00E-03
TCAC066	4	8	70	600	6.00E-02	7.00E-03
TCAC066	8	12	180	800	8.00E-02	1.80E-02
TCAC066	12	16	480	960	9.60E-02	0.048
TCAC066	16	20	420	950	9.50E-02	4.20E-02
TCAC066	20	24	520	680	6.80E-02	5.20E-02
TCAC066	24	28	340	750	7.50E-02	3.40E-02
TCAC066	28	32	490	650	6.50E-02	4.90E-02

TCAC066	32	36	390	690	6.90E-02	3.90E-02
TCAC066	36	40	450	1010	0.101	4.50E-02
TCAC066	40	44	200	580	5.80E-02	0.02
TCAC066	44	48	110	400	4.00E-02	0.011
TCAC066	48	51	150	750	7.50E-02	0.015
TCAC067	0	4	120	850	8.50E-02	0.012
TCAC067	4	8	110	910	9.10E-02	0.011
TCAC067	8	12	230	990	9.90E-02	0.023
TCAC067	12	16	930	1270	0.127	9.30E-02
TCAC067	16	20	760	910	9.10E-02	7.60E-02
TCAC067	20	24	570	860	8.60E-02	0.057
TCAC067	24	28	510	1280	0.12800001	5.10E-02
TCAC067	28	32	490	2100	0.20999999	4.90E-02
TCAC067	32	36	560	1420	0.142	5.60E-02
TCAC067	36	40	650	950	9.50E-02	6.50E-02
TCAC067	40	44	1140	1500	0.15000001	0.114
TCAC067	44	48	170	850	8.50E-02	1.70E-02
TCAC067	48	52	170	510	5.10E-02	1.70E-02
TCAC068	0	4	50	410	4.10E-02	5.00E-03
TCAC068	4	8	60	430	4.30E-02	6.00E-03
TCAC068	8	12	50	190	1.90E-02	5.00E-03
TCAC068	12	16	180	270	2.70E-02	1.80E-02
TCAC068	16	20	40	110	0.011	4.00E-03
TCAC068	20	24	160	290	2.90E-02	1.60E-02
TCAC068	24	28	170	300	3.00E-02	1.70E-02
TCAC068	28	31	170	300	3.00E-02	1.70E-02
TCAC069	0	4	40	310	3.10E-02	4.00E-03
TCAC069	4	8	50	390	3.90E-02	5.00E-03
TCAC069	8	12	20	170	1.70E-02	2.00E-03
TCAC069	12	16	70	210	0.021	7.00E-03
TCAC069	16	20	170	250	0.025	1.70E-02
TCAC069	20	24	110	190	1.90E-02	0.011
TCAC069	24	28	110	210	0.021	0.011
TCAC069	28	32	110	260	2.60E-02	0.011
TCAC070	0	4	60	280	2.80E-02	6.00E-03
TCAC070	4	8	40	280	2.80E-02	4.00E-03
TCAC070	8	12	70	170	1.70E-02	7.00E-03
TCAC070	12	16	220	280	2.80E-02	0.022
TCAC070	16	20	160	210	0.021	1.60E-02
TCAC070	20	24	90	310	3.10E-02	9.00E-03
TCAC070	24	28	70	270	2.70E-02	7.00E-03
TCAC070	28	30	90	340	3.40E-02	9.00E-03
TCAC071	0	4	200	860	8.60E-02	0.02
TCAC071	4	8	450	1010	0.101	4.50E-02
TCAC071	8	12	660	1030	0.103	0.066
TCAC071	12	16	2360	2730	0.273	0.236
TCAC071	16	20	2270	3210	0.32100001	0.227
TCAC071	20	24	510	1380	0.138	5.10E-02
TCAC071	24	28	520	1810	0.18099999	5.20E-02
TCAC071	28	32	330	1150	0.115	0.033
TCAC071	32	36	440	2120	0.212	0.044
TCAC071	36	40	540	3270	0.32699999	5.40E-02
TCAC071	40	44	410	1580	0.15800001	4.10E-02
TCAC071	44	48	380	2340	0.234	3.80E-02
TCAC071	48	49	320	1530	0.153	3.20E-02
TCAC071	49	50	360	2780	0.278	3.60E-02
TCAC071	50	51	1350	6270	0.62699997	0.13500001
TCAC071	51	52	700	4770	0.477	0.07
TCAC071	52	53	3600	9800	0.98000002	0.36000001
TCAC071	53	54	1560	57000	5.6999998	0.156
TCAC071	54	55	2210	26800	2.6800001	0.221
TCAC071	55	56	750	1970	0.197	7.50E-02
TCAC071	56	57	3610	6220	0.62199998	0.361

TCAC071	57	58	1700	5930	0.59299999	0.17
TCAC071	58	59	1100	3060	0.30599999	0.11
TCAC071	59	60	930	2060	0.206	9.30E-02
TCAC071	60	61	780	2940	0.294	7.80E-02
TCAC071	61	62	810	1890	0.189	0.081
TCAC071	62	63	750	1350	0.13500001	7.50E-02
TCAC071	63	64	650	1110	0.111	6.50E-02
TCAC071	64	66	2360	7000	0.69999999	0.236
TCAC071	66	67	550	1080	0.108	0.055
TCAC072	0	4	100	640	6.40E-02	1.00E-02
TCAC072	4	8	100	740	7.40E-02	1.00E-02
TCAC072	8	12	680	1000	0.1	6.80E-02
TCAC072	12	16	910	1120	0.112	9.10E-02
TCAC072	16	20	470	760	7.60E-02	4.70E-02
TCAC072	20	24	370	810	0.081	0.037
TCAC072	24	28	530	1370	0.13699999	5.30E-02
TCAC072	28	32	420	1410	0.141	4.20E-02
TCAC072	32	36	260	1070	0.107	2.60E-02
TCAC072	36	40	190	940	9.40E-02	1.90E-02
TCAC072	40	44	250	1270	0.127	0.025
TCAC072	44	48	240	1140	0.114	0.024
TCAC072	48	52	360	1010	0.101	3.60E-02
TCAC072	52	56	940	1520	0.152	9.40E-02
TCAC072	56	60	480	1080	0.108	0.048
TCAC072	60	64	420	970	9.70E-02	4.20E-02
TCAC072	64	68	520	1190	0.119	5.20E-02
TCAC072	68	72	830	1080	0.108	8.30E-02
TCAC072	72	75	420	1090	0.109	4.20E-02
TCAC073	0	4	70	870	8.70E-02	7.00E-03
TCAC073	4	8	70	670	6.70E-02	7.00E-03
TCAC073	8	12	80	850	8.50E-02	8.00E-03
TCAC073	12	16	620	900	9.00E-02	6.20E-02
TCAC073	16	20	400	660	0.066	4.00E-02
TCAC073	20	24	550	1100	0.11	0.055
TCAC073	24	28	230	620	6.20E-02	0.023
TCAC073	28	32	310	690	6.90E-02	3.10E-02
TCAC073	32	36	350	1170	0.117	0.035
TCAC073	36	40	270	1050	0.105	2.70E-02
TCAC073	40	44	190	900	9.00E-02	1.90E-02
TCAC073	44	47	140	980	9.80E-02	0.014
TCAC074	0	4	40	420	4.20E-02	4.00E-03
TCAC074	4	8	50	510	5.10E-02	5.00E-03
TCAC074	8	12	60	550	0.055	6.00E-03
TCAC074	12	16	80	790	7.90E-02	8.00E-03
TCAC074	16	20	730	1170	0.117	7.30E-02
TCAC074	20	24	520	840	8.40E-02	5.20E-02
TCAC074	24	28	350	560	5.60E-02	0.035
TCAC074	28	32	500	770	0.077	5.00E-02
TCAC074	32	36	160	460	0.046	1.60E-02
TCAC074	36	39	130	410	4.10E-02	0.013
TCAC075	0	4	50	320	3.20E-02	5.00E-03
TCAC075	4	8	60	360	3.60E-02	6.00E-03
TCAC075	8	12	20	170	1.70E-02	2.00E-03
TCAC075	12	16	40	150	0.015	4.00E-03
TCAC075	16	20	180	240	0.024	1.80E-02
TCAC075	20	24	200	280	2.80E-02	0.02
TCAC075	24	28	110	220	0.022	0.011
TCAC075	28	32	90	220	0.022	9.00E-03
TCAC075	32	36	110	290	2.90E-02	0.011
TCAC075	36	40	140	390	3.90E-02	0.014
TCAC075	40	45	160	310	3.10E-02	1.60E-02
TCAC076	0	4	30	230	0.023	0.003
TCAC076	4	8	40	210	0.021	4.00E-03

TCAC076	8	12	90	190	1.90E-02	9.00E-03
TCAC076	12	16	210	330	0.033	0.021
TCAC076	16	20	170	280	2.80E-02	1.70E-02
TCAC076	20	24	100	180	1.80E-02	1.00E-02
TCAC076	24	28	70	160	1.60E-02	7.00E-03
TCAC076	28	32	70	200	0.02	7.00E-03
TCAC076	32	36	70	160	1.60E-02	7.00E-03
TCAC076	36	40	90	180	1.80E-02	9.00E-03
TCAC077	0	4	170	660	0.066	1.70E-02
TCAC077	4	8	1070	1050	0.105	0.107
TCAC077	8	12	850	1380	0.138	8.50E-02
TCAC077	12	16	1070	1850	0.185	0.107
TCAC077	16	20	1220	2210	0.221	0.122
TCAC077	20	24	410	1020	0.102	4.10E-02
TCAC077	24	28	330	810	0.081	0.033
TCAC077	28	32	850	1670	0.167	8.50E-02
TCAC077	32	36	760	12400	1.24	7.60E-02
TCAC077	36	40	830	1740	0.17399999	8.30E-02
TCAC077	40	44	1140	1800	0.18000001	0.114
TCAC077	44	48	1460	2040	0.204	0.146
TCAC077	48	52	1560	1920	0.192	0.156
TCAC078	0	4	140	680	6.80E-02	0.014
TCAC078	4	8	290	820	8.20E-02	2.90E-02
TCAC078	8	12	640	750	7.50E-02	6.40E-02
TCAC078	12	16	410	770	0.077	4.10E-02
TCAC078	16	20	360	660	0.066	3.60E-02
TCAC078	20	24	680	990	9.90E-02	6.80E-02
TCAC078	24	28	500	740	7.40E-02	5.00E-02
TCAC078	28	32	580	1430	0.14300001	5.80E-02
TCAC078	32	36	350	1080	0.108	0.035
TCAC078	36	40	450	1580	0.15800001	4.50E-02
TCAC078	40	44	240	970	9.70E-02	0.024
TCAC078	44	48	370	1530	0.153	0.037
TCAC078	48	51	250	1360	0.13600001	0.025
TCAC079	0	4	90	680	6.80E-02	9.00E-03
TCAC079	4	8	90	750	7.50E-02	9.00E-03
TCAC079	8	12	160	750	7.50E-02	1.60E-02
TCAC079	12	16	210	710	7.10E-02	0.021
TCAC079	16	20	1440	1270	0.127	0.14399999
TCAC079	20	24	900	900	9.00E-02	9.00E-02
TCAC079	24	28	570	1090	0.109	0.057
TCAC079	28	32	220	810	0.081	0.022
TCAC079	32	36	190	680	6.80E-02	1.90E-02
TCAC079	36	40	150	640	6.40E-02	0.015
TCAC079	40	44	250	620	6.20E-02	0.025
TCAC079	44	48	650	1290	0.12899999	6.50E-02
TCAC079	48	52	320	540	5.40E-02	3.20E-02
TCAC079	52	56	300	390	3.90E-02	3.00E-02
TCAC079	56	60	150	360	3.60E-02	0.015
TCAC079	60	63	140	320	3.20E-02	0.014
TCAC080	0	4	80	760	7.60E-02	8.00E-03
TCAC080	4	8	90	860	8.60E-02	9.00E-03
TCAC080	8	12	160	930	9.30E-02	1.60E-02
TCAC080	12	16	140	960	9.60E-02	0.014
TCAC080	16	20	270	910	9.10E-02	2.70E-02
TCAC080	20	24	370	970	9.70E-02	0.037
TCAC080	24	28	1290	1420	0.142	0.12899999
TCAC080	28	32	950	1340	0.134	9.50E-02
TCAC080	32	36	360	760	7.60E-02	3.60E-02
TCAC080	36	40	250	740	7.40E-02	0.025
TCAC080	40	44	640	1020	0.102	6.40E-02
TCAC080	44	48	270	640	6.40E-02	2.70E-02
TCAC080	48	50	300	860	8.60E-02	3.00E-02

TCAC081	0	4	130	740	7.40E-02	0.013
TCAC081	4	8	80	350	0.035	8.00E-03
TCAC081	8	12	150	290	2.90E-02	0.015
TCAC081	12	16	140	290	2.90E-02	0.014
TCAC081	16	20	120	310	3.10E-02	0.012
TCAC081	20	24	110	280	2.80E-02	0.011
TCAC081	24	28	120	290	2.90E-02	0.012
TCAC081	28	32	120	380	3.80E-02	0.012
TCAC081	32	36	90	340	3.40E-02	9.00E-03
TCAC081	36	39	70	340	3.40E-02	7.00E-03
TCAC082	0	4	720	1030	0.103	7.20E-02
TCAC082	4	8	970	1520	0.152	9.70E-02
TCAC082	8	12	440	770	0.077	0.044
TCAC082	12	16	310	590	0.059	3.10E-02
TCAC082	16	20	270	620	6.20E-02	2.70E-02
TCAC082	20	24	280	810	0.081	2.80E-02
TCAC082	24	28	290	710	7.10E-02	2.90E-02
TCAC082	28	32	230	940	9.40E-02	0.023
TCAC082	32	36	550	1040	0.104	0.055
TCAC082	36	38	780	1750	0.175	7.80E-02
TCAC082	38	40	620	1520	0.152	6.20E-02
TCAC082	40	42	580	1150	0.115	5.80E-02
TCAC082	42	44	500	1390	0.139	5.00E-02
TCAC082	44	46	470	1190	0.119	4.70E-02
TCAC082	46	47	710	1180	0.118	7.10E-02
TCAC082	47	48	930	1400	0.14	9.30E-02
TCAC082	48	49	560	940	9.40E-02	5.60E-02
TCAC082	49	50	890	990	9.90E-02	8.90E-02
TCAC083	0	4	340	850	8.50E-02	3.40E-02
TCAC083	4	8	1240	1790	0.17900001	0.124
TCAC083	8	12	340	1280	0.12800001	3.40E-02
TCAC083	12	16	300	1080	0.108	3.00E-02
TCAC083	16	20	390	1160	0.116	3.90E-02
TCAC083	20	24	810	1320	0.132	0.081
TCAC083	24	28	1020	1870	0.18700001	0.102
TCAC083	28	32	480	1450	0.145	0.048
TCAC083	32	36	620	2000	0.2	6.20E-02
TCAC083	36	40	330	650	6.50E-02	0.033
TCAC083	40	44	190	400	4.00E-02	1.90E-02
TCAC083	44	48	210	440	0.044	0.021
TCAC083	48	50	90	380	3.80E-02	9.00E-03
TCAC084	0	4	160	790	7.90E-02	1.60E-02
TCAC084	4	8	410	1120	0.112	4.10E-02
TCAC084	8	12	460	1110	0.111	0.046
TCAC084	12	16	310	870	8.70E-02	3.10E-02
TCAC084	16	20	320	880	0.088	3.20E-02
TCAC084	20	24	150	640	6.40E-02	0.015
TCAC084	24	28	420	1170	0.117	4.20E-02
TCAC084	28	32	280	1180	0.118	2.80E-02
TCAC084	32	36	240	990	9.90E-02	0.024
TCAC084	36	40	230	830	8.30E-02	0.023
TCAC084	40	42	300	860	8.60E-02	3.00E-02
TCAC085	0	4	100	780	7.80E-02	1.00E-02
TCAC085	4	8	280	1330	0.133	2.80E-02
TCAC085	8	12	910	1660	0.16599999	9.10E-02
TCAC085	12	16	660	1730	0.17299999	0.066
TCAC085	16	20	500	1860	0.186	5.00E-02
TCAC085	20	24	660	1310	0.131	0.066
TCAC085	24	28	430	1150	0.115	4.30E-02
TCAC085	28	32	230	790	7.90E-02	0.023
TCAC085	32	36	170	750	7.50E-02	1.70E-02
TCAC085	36	40	120	690	6.90E-02	0.012
TCAC085	40	44	110	780	7.80E-02	0.011

TCAC085	44	48	120	2150	0.215	0.012
TCAC085	48	50	100	1460	0.146	1.00E-02
TCAC086	0	4	330	830	8.30E-02	0.033
TCAC086	4	8	150	440	0.044	0.015
TCAC086	8	12	150	280	2.80E-02	0.015
TCAC086	12	16	140	290	2.90E-02	0.014
TCAC086	16	20	150	300	3.00E-02	0.015
TCAC086	20	24	140	300	3.00E-02	0.014
TCAC086	24	28	130	310	3.10E-02	0.013
TCAC086	28	32	130	340	3.40E-02	0.013
TCAC086	32	36	140	380	3.80E-02	0.014
TCAC086	36	39	160	380	3.80E-02	1.60E-02
TCAC087	0	4	470	770	0.077	4.70E-02
TCAC087	4	8	160	360	3.60E-02	1.60E-02
TCAC087	8	12	160	290	2.90E-02	1.60E-02
TCAC087	12	16	220	450	4.50E-02	0.022
TCAC087	16	20	190	480	0.048	1.90E-02
TCAC087	20	24	160	480	0.048	1.60E-02
TCAC087	24	28	150	440	0.044	0.015
TCAC087	28	30	130	460	0.046	0.013
TCAC088	0	4	450	910	9.10E-02	4.50E-02
TCAC088	4	8	560	1170	0.117	5.60E-02
TCAC088	8	12	850	1800	0.18000001	8.50E-02
TCAC088	12	16	990	2350	0.235	9.90E-02
TCAC088	16	20	480	1860	0.186	0.048
TCAC088	20	24	210	1200	0.12	0.021
TCAC088	24	28	180	1290	0.12899999	1.80E-02
TCAC088	28	30	290	1260	0.126	2.90E-02
TCAC089	0	4	200	800	8.00E-02	0.02
TCAC089	4	8	260	810	0.081	2.60E-02
TCAC089	8	12	180	740	7.40E-02	1.80E-02
TCAC089	12	16	310	870	8.70E-02	3.10E-02
TCAC089	16	20	350	1030	0.103	0.035
TCAC089	20	24	430	1010	0.101	4.30E-02
TCAC089	24	28	650	1250	0.125	6.50E-02
TCAC089	28	32	350	1120	0.112	0.035
TCAC089	32	36	180	750	7.50E-02	1.80E-02
TCAC089	36	40	230	890	8.90E-02	0.023
TCAC090	0	4	130	750	7.50E-02	0.013
TCAC090	4	8	690	1010	0.101	6.90E-02
TCAC090	8	12	510	770	0.077	5.10E-02
TCAC090	12	16	1240	1580	0.15800001	0.124
TCAC090	16	20	770	930	9.30E-02	0.077
TCAC090	20	24	670	1250	0.125	6.70E-02
TCAC090	24	28	340	1300	0.13	3.40E-02
TCAC090	28	32	110	720	7.20E-02	0.011
TCAC090	32	36	50	290	2.90E-02	5.00E-03
TCAC090	36	40	190	750	7.50E-02	1.90E-02
TCAC091	0	4	120	720	7.20E-02	0.012
TCAC091	4	8	150	860	8.60E-02	0.015
TCAC091	8	12	420	1030	0.103	4.20E-02
TCAC091	12	16	1380	1170	0.117	0.138
TCAC091	16	20	470	1010	0.101	4.70E-02
TCAC091	20	24	890	1190	0.119	8.90E-02
TCAC091	24	28	280	560	5.60E-02	2.80E-02
TCAC091	28	32	270	640	6.40E-02	2.70E-02
TCAC091	32	36	330	670	6.70E-02	0.033
TCAC091	36	40	550	1530	0.153	0.055
TCAC092	0	4	290	680	6.80E-02	2.90E-02
TCAC092	4	8	240	390	3.90E-02	0.024
TCAC092	8	12	160	310	3.10E-02	1.60E-02
TCAC092	12	16	190	300	3.00E-02	1.90E-02
TCAC092	16	20	200	360	3.60E-02	0.02

TCAC092	20	24	150	330	0.033	0.015
TCAC092	24	27	170	330	0.033	1.70E-02
TCAC092	27	30	190	380	3.80E-02	1.90E-02
TCAC093	0	4	460	2310	0.23100001	0.046
TCAC093	4	8	20	920	0.092	2.00E-03
TCAC093	8	12	40	1310	0.131	4.00E-03
TCAC093	12	16	20	940	9.40E-02	2.00E-03
TCAC093	16	20	30	880	0.088	0.003
TCAC093	20	24	70	1550	0.155	7.00E-03
TCAC093	24	26	310	2400	0.23999999	3.10E-02
TCAC093	26	27	2280	3580	0.35800001	0.228
TCAC093	27	28	1820	7210	0.72100002	0.182
TCAC093	28	29	690	4140	0.414	6.90E-02
TCAC093	29	30	280	2800	0.28	2.80E-02
TCAC093	30	31	100	1590	0.15899999	1.00E-02
TCAC093	31	32	210	12000	1.2	0.021
TCAC093	32	33	360	6140	0.61400002	3.60E-02
TCAC093	33	34	130	2000	0.2	0.013
TCAC093	34	35	460	4840	0.484	0.046
TCAC093	35	36	370	2710	0.271	0.037
TCAC093	36	37	380	5980	0.59799999	3.80E-02
TCAC093	37	38	310	3610	0.361	3.10E-02
TCAC093	38	39	300	61300	6.1300001	3.00E-02
TCAC093	39	40	580	98300	9.8299999	5.80E-02
TCAC093	40	41	760	90000	9	7.60E-02
TCAC093	41	42	390	203000	20.299999	3.90E-02
TCAC094	0	4	280	2380	0.23800001	2.80E-02
TCAC094	4	8	30	810	0.081	0.003
TCAC094	8	12	20	430	4.30E-02	2.00E-03
TCAC094	12	16	100	950	9.50E-02	1.00E-02
TCAC094	16	20	80	1210	0.121	8.00E-03
TCAC094	20	24	350	790	7.90E-02	0.035
TCAC094	24	28	860	910	9.10E-02	8.60E-02
TCAC094	28	32	4540	1320	0.132	0.454
TCAC094	32	36	2530	990	9.90E-02	0.25299999
TCAC094	36	39	1170	1230	0.123	0.117
TCAC094	39	42	240	720	7.20E-02	0.024
TCAC095	0	4	580	1370	0.13699999	5.80E-02
TCAC095	4	8	490	820	8.20E-02	4.90E-02
TCAC095	8	10	170	810	0.081	1.70E-02
TCAC095	10	11	300	720	7.20E-02	3.00E-02
TCAC095	11	15	170	510	5.10E-02	1.70E-02
TCAC095	15	19	250	770	0.077	0.025
TCAC095	19	21	140	540	5.40E-02	0.014
TCAC095	21	22	130	10500	1.05	0.013
TCAC095	22	23	210	81700	8.1700001	0.021
TCAC095	23	24	560	29800	2.98	5.60E-02
TCAC095	24	25	120	5790	0.579	0.012
TCAC095	25	26	90	7390	0.73900002	9.00E-03
TCAC095	26	27	120	6720	0.67199999	0.012
TCAC095	27	28	670	20700	2.0699999	6.70E-02
TCAC095	28	29	460	52800	5.2800002	0.046
TCAC095	29	30	470	24600	2.46	4.70E-02
TCAC095	30	31	420	47700	4.77	4.20E-02
TCAC095	31	32	270	12850	1.285	2.70E-02
TCAC095	32	36	630	7360	0.736	6.30E-02
TCAC095	36	40	920	5820	0.58200002	0.092
TCAC096	0	3	40	570	0.057	4.00E-03
TCAC096	3	6	10	400	4.00E-02	0.001
TCAC096	6	10	30	820	8.20E-02	0.003
TCAC096	10	14	10	400	4.00E-02	0.001
TCAC096	14	18	10	500	5.00E-02	0.001
TCAC096	18	22	-10	640	6.40E-02	-0.001

TCAC096	22	26	-10	300	3.00E-02	-0.001
TCAC096	26	30	-10	450	4.50E-02	-0.001
TCAC096	30	34	10	360	3.60E-02	0.001
TCAC096	34	38	10	510	5.10E-02	0.001
TCAC096	38	41	10	1040	0.104	0.001
TCAC096	41	42	50	3810	0.38100001	5.00E-03
TCAC096	42	43	50	11200	1.12	5.00E-03
TCAC096	43	44	40	8510	0.85100001	4.00E-03
TCAC096	44	45	50	50300	5.0300002	5.00E-03
TCAC096	45	46				
TCAC096	46	49				
TCAC096	49	53				
TCAC096	53	57				
TCAC097	0	4	40	520	5.20E-02	4.00E-03
TCAC097	4	8	20	920	0.092	2.00E-03
TCAC097	8	12	10	630	6.30E-02	0.001
TCAC097	12	16	-10	720	7.20E-02	-0.001
TCAC097	16	20	10	600	6.00E-02	0.001
TCAC097	20	24	10	320	3.20E-02	0.001
TCAC097	24	28	10	350	0.035	0.001
TCAC097	28	32	50	620	6.20E-02	5.00E-03
TCAC097	32	36	20	540	5.40E-02	2.00E-03
TCAC097	36	40	20	350	0.035	2.00E-03
TCAC097	40	44	30	420	4.20E-02	0.003
TCAC097	44	48	100	530	5.30E-02	1.00E-02
TCAC097	48	52				
TCAC097	52	56	10	20	2.00E-03	0.001
TCAC097	56	60	30	110	0.011	0.003
TCAC097	60	63				
TCAC097	63	66				
TCAC097	66	69	30	70	7.00E-03	0.003
TCAC098	0	4	30	420	4.20E-02	0.003
TCAC098	4	8	10	310	3.10E-02	0.001
TCAC098	8	12	10	460	0.046	0.001
TCAC098	12	16	-10	1520	0.152	-0.001
TCAC098	16	20	60	500	5.00E-02	6.00E-03
TCAC098	20	24	10	360	3.60E-02	0.001
TCAC098	24	28	20	280	2.80E-02	2.00E-03
TCAC098	28	32	20	360	3.60E-02	2.00E-03
TCAC098	32	34	-10	280	2.80E-02	-0.001
TCAC098	34	35	140	2510	0.25099999	0.014
TCAC098	35	36	30	550	0.055	0.003
TCAC098	36	37	10	450	4.50E-02	0.001
TCAC098	37	40	180	970	9.70E-02	1.80E-02
TCAC098	40	44	10	120	0.012	0.001
TCAC098	44	48	40	90	9.00E-03	4.00E-03
TCAC098	48	52	20	3050	0.30500001	2.00E-03
TCAC098	52	56				
TCAC098	56	60				
TCAC098	60	63				
TCAC098	63	66				
TCAC098	66	69	20	170	1.70E-02	2.00E-03
TCAC099	0	4	20	250	0.025	2.00E-03
TCAC099	4	8	10	210	0.021	0.001
TCAC099	8	12	20	290	2.90E-02	2.00E-03
TCAC099	12	16				
TCAC099	16	20	10	220	0.022	0.001
TCAC099	20	24	-10	180	1.80E-02	-0.001
TCAC099	24	28	10	170	1.70E-02	0.001
TCAC099	28	32	20	280	2.80E-02	2.00E-03
TCAC099	32	36	30	680	6.80E-02	0.003
TCAC099	36	40	70	300	3.00E-02	7.00E-03
TCAC099	40	44	50	320	3.20E-02	5.00E-03

TCAC099	44	48	10	180	1.80E-02	0.001
TCAC099	48	52	20	150	0.015	2.00E-03
TCAC099	52	56	20	190	1.90E-02	2.00E-03
TCAC099	56	60	10	180	1.80E-02	0.001
TCAC100	0	4	20	270	2.70E-02	2.00E-03
TCAC100	4	8	30	220	0.022	0.003
TCAC100	8	12	20	330	0.033	2.00E-03
TCAC100	12	16	20	400	4.00E-02	2.00E-03
TCAC100	16	20	10	210	0.021	0.001
TCAC100	20	24	20	210	0.021	2.00E-03
TCAC100	24	28	20	170	1.70E-02	2.00E-03
TCAC100	28	32	10	-10	-0.001	0.001
TCAC100	32	36	40	260	2.60E-02	4.00E-03
TCAC100	36	40	50	360	3.60E-02	5.00E-03
TCAC100	40	44	20	170	1.70E-02	2.00E-03
TCAC100	44	48	30	170	1.70E-02	0.003
TCAC100	48	52	30	210	0.021	0.003
TCAC100	52	56	30	160	1.60E-02	0.003
TCAC100	56	60	10	150	0.015	0.001
TCAC101	0	4	20	260	2.60E-02	2.00E-03
TCAC101	4	8	30	260	2.60E-02	0.003
TCAC101	8	12	20	560	5.60E-02	2.00E-03
TCAC101	12	16	10	440	0.044	0.001
TCAC101	16	20	20	210	0.021	2.00E-03
TCAC101	20	24	20	210	0.021	2.00E-03
TCAC101	24	28	20	180	1.80E-02	2.00E-03
TCAC101	28	32	20	280	2.80E-02	2.00E-03
TCAC101	32	36	60	290	2.90E-02	6.00E-03
TCAC101	36	40	40	380	3.80E-02	4.00E-03
TCAC101	40	44	10	190	1.90E-02	0.001
TCAC101	44	48	20	160	1.60E-02	2.00E-03
TCAC101	48	51	20	150	0.015	2.00E-03
TCAC101	51	54	10	160	1.60E-02	0.001
TCAC101	54	57	10	150	0.015	0.001
TCAC102	0	4	40	390	3.90E-02	4.00E-03
TCAC102	4	8	10	370	0.037	0.001
TCAC102	8	12	10	550	0.055	0.001
TCAC102	12	16	10	1180	0.118	0.001
TCAC102	16	20	30	500	5.00E-02	0.003
TCAC102	20	23	20	790	7.90E-02	2.00E-03
TCAC102	23	26	30	1460	0.146	0.003
TCAC102	26	29	30	870	8.70E-02	0.003
TCAC102	29	30	10	1700	0.17	0.001
TCAC102	30	31	20	11600	1.16	2.00E-03
TCAC102	31	32	20	25200	2.52	2.00E-03
TCAC102	32	33	10	5000	0.5	0.001
TCAC102	33	34	20	7710	0.77100003	2.00E-03
TCAC102	34	35	30	67000	6.6999998	0.003
TCAC102	35	36	60	61300	6.1300001	6.00E-03
TCAC102	36	37	30	20200	2.02	0.003
TCAC102	37	38	30	46200	4.6199999	0.003
TCAC102	38	39	10	24900	2.49	0.001
TCAC102	39	40	10	7920	0.792	0.001
TCAC102	40	41	60	88400	8.8400002	6.00E-03
TCAC102	41	42	40	39000	3.9000001	4.00E-03
TCAC102	42	43	50	6090	0.60900003	5.00E-03
TCAC102	43	44	30	37000	3.7	0.003
TCAC102	44	45	10	8950	0.89499998	0.001
TCAC102	45	46	10	13300	1.33	0.001
TCAC102	46	47	10	7430	0.74299997	0.001
TCAC102	47	48	10	1830	0.183	0.001
TCAC102	48	51	20	560	5.60E-02	2.00E-03
TCAC102	51	54	20	140	0.014	2.00E-03

TCAC102	54	57	20	150	0.015	2.00E-03
TCAC102	57	60	20	90	9.00E-03	2.00E-03
TCAC102	60	63	30	80	8.00E-03	0.003
TCAC102	63	66	20	80	8.00E-03	2.00E-03
TCAC102	66	69				
TCAC102	69	70	50	110	0.011	5.00E-03
TCAC102	70	71				
TCAC102	71	72				
TCAC103	0	4	20	370	0.037	2.00E-03
TCAC103	4	8	20	930	9.30E-02	2.00E-03
TCAC103	8	12	10	1690	0.169	0.001
TCAC103	12	16	10	740	7.40E-02	0.001
TCAC103	16	20	10	1740	0.17399999	0.001
TCAC103	20	24	10	520	5.20E-02	0.001
TCAC103	24	28	50	1500	0.15000001	5.00E-03
TCAC103	28	32	30	1140	0.114	0.003
TCAC103	32	36	-10	2110	0.211	-0.001
TCAC103	36	40	10	1630	0.163	0.001
TCAC103	40	44	10	1600	0.16	0.001
TCAC103	44	48	10	2770	0.27700001	0.001
TCAC103	48	52	10	2570	0.257	0.001
TCAC103	52	56	40	140	0.014	4.00E-03
TCAC103	56	60	30	100	1.00E-02	0.003
TCAC103	60	64	30	80	8.00E-03	0.003
TCAC103	64	68	50	70	7.00E-03	5.00E-03
TCAC103	68	72	30	80	8.00E-03	0.003
TCAC104	0	4	20	330	0.033	2.00E-03
TCAC104	4	8	30	470	4.70E-02	0.003
TCAC104	8	12	10	290	2.90E-02	0.001
TCAC104	12	16	10	910	9.10E-02	0.001
TCAC104	16	20	10	790	7.90E-02	0.001
TCAC104	20	24	20	680	6.80E-02	2.00E-03
TCAC104	24	28	40	370	0.037	4.00E-03
TCAC104	28	32	40	470	4.70E-02	4.00E-03
TCAC104	32	36	110	910	9.10E-02	0.011
TCAC104	36	40	120	1390	0.139	0.012
TCAC104	40	44	60	920	0.092	6.00E-03
TCAC104	44	48	50	1490	0.149	5.00E-03
TCAC104	48	52	40	1100	0.11	4.00E-03
TCAC104	52	56	30	280	2.80E-02	0.003
TCAC104	56	60	30	80	8.00E-03	0.003
TCAC104	60	63	40	60	6.00E-03	4.00E-03
TCAC104	63	66	70	90	9.00E-03	7.00E-03
TCAC104	66	69	40	60	6.00E-03	4.00E-03
TCAC105	0	4	50	80	8.00E-03	5.00E-03
TCAC105	4	8	60	40	4.00E-03	6.00E-03
TCAC105	8	12	30	20	2.00E-03	0.003
TCAC105	12	16	40	10	0.001	4.00E-03
TCAC105	16	20	50	10	0.001	5.00E-03
TCAC105	20	24	20	10	0.001	2.00E-03
TCAC105	24	28	20	10	0.001	2.00E-03
TCAC105	28	32	30	10	0.001	0.003
TCAC105	32	36	20	10	0.001	2.00E-03
TCAC105	36	40	20	10	0.001	2.00E-03
TCAC105	40	44	-10	10	0.001	-0.001
TCAC105	44	48	10	10	0.001	0.001
TCAC105	48	52	20	-10	-0.001	2.00E-03
TCAC105	52	56	10	50	5.00E-03	0.001
TCAC105	56	60	10	10	0.001	0.001
TCRC040	0	3	250	810	0.081	0.025
TCRC040	3	7	170	1070	0.107	1.70E-02
TCRC040	7	11	50	1240	0.124	5.00E-03
TCRC040	11	15	20	1200	0.12	2.00E-03

TCRC040	15	19	60	1400	0.14	6.00E-03
TCRC040	19	21	40	1920	0.192	4.00E-03
TCRC040	21	23	30	1940	0.19400001	0.003
TCRC040	23	24	20	3200	0.31999999	2.00E-03
TCRC040	24	25	60	74000	7.4000001	6.00E-03
TCRC040	25	26	210	135500	13.55	0.021
TCRC040	26	27	10	3480	0.34799999	0.001
TCRC040	27	28	60	13200	1.3200001	6.00E-03
TCRC040	28	29	30	58100	5.8099999	0.003
TCRC040	29	30	10	15850	1.585	0.001
TCRC040	30	31	10	5850	0.58499998	0.001
TCRC040	31	32	10	5400	0.54000002	0.001
TCRC040	32	33	10	4070	0.40700001	0.001
TCRC040	33	34	10	3010	0.301	0.001
TCRC040	34	35	-10	9100	0.91000003	-0.001
TCRC040	35	36	10	5960	0.59600002	0.001
TCRC040	36	37	10	9260	0.926	0.001
TCRC040	37	38	30	31700	3.1700001	0.003
TCRC040	38	39	10	14550	1.455	0.001
TCRC040	39	40	10	9280	0.92799997	0.001
TCRC040	40	41	20	10500	1.05	2.00E-03
TCRC040	41	42	10	6080	0.60799998	0.001
TCRC040	42	43	10	2030	0.20299999	0.001
TCRC040	43	44	10	2240	0.22400001	0.001
TCRC040	44	45	30	6410	0.64099997	0.003
TCRC040	45	46	20	24000	2.4000001	2.00E-03
TCRC040	46	47	10	1380	0.138	0.001
TCRC040	47	48	10	1360	0.13600001	0.001
TCRC040	48	49	30	1400	0.14	0.003
TCRC040	49	50	1200	12100	1.21	0.12
TCRC040	50	51	250	13300	1.33	0.025
TCRC040	51	52	350	65900	6.5900002	0.035
TCRC040	52	53	5170	141000	14.1	0.51700002
TCRC040	53	54	5490	66400	6.6399999	0.54900002
TCRC040	54	55	1680	42200	4.2199998	0.168
TCRC040	55	59	2320	14950	1.495	0.23199999
TCRC040	59	63	2500	15500	1.55	0.25
TCRC040	63	67	200	7090	0.70899999	0.02
TCRC040	67	71	1360	6280	0.62800002	0.13600001
TCRC040	71	75	350	23000	2.3	0.035
TCRC040	75	77	890	19250	1.925	8.90E-02
TCRC040	77	78	800	14300	1.4299999	8.00E-02
TCRC040	78	79	620	88100	8.8100004	6.20E-02
TCRC040	79	80	3090	321000	32.099998	0.30899999
TCRC040	80	81	1320	168000	16.799999	0.132
TCRC040	81	82	970	125000	12.5	9.70E-02
TCRC040	82	83	880	118500	11.85	0.088
TCRC040	83	84	1080	106000	10.6	0.108
TCRC040	84	85	3580	116500	11.65	0.35800001
TCRC040	85	86	990	156500	15.65	9.90E-02
TCRC040	86	87	620	173500	17.35	6.20E-02
TCRC040	87	88	780	113000	11.3	7.80E-02
TCRC040	88	89	650	60400	6.04	6.50E-02
TCRC040	89	90	670	29300	2.9300001	6.70E-02
TCRC040	90	91	980	17500	1.75	9.80E-02
TCRC040	91	92	1160	14600	1.46	0.116
TCRC040	92	93	2970	7900	0.79000002	0.29699999
TCRC040	93	94	10950	13300	1.33	1.095
TCRC040	94	95	7270	13600	1.36	0.727
TCRC040	95	96	3180	15500	1.55	0.31799999
TCRC040	96	97	1980	12500	1.25	0.198
TCRC040	97	98	1470	9540	0.954	0.147
TCRC040	98	100	1520	14700	1.47	0.152

TCRC040	100	102	420	4670	0.46700001	4.20E-02
TCRC040	102	104	190	1880	0.18799999	1.90E-02
TCRC040	104	106	540	2750	0.27500001	5.40E-02
TCRC041	0	4	140	820	8.20E-02	0.014
TCRC041	4	8	140	840	8.40E-02	0.014
TCRC041	8	12	230	1320	0.132	0.023
TCRC041	12	16	80	1540	0.154	8.00E-03
TCRC041	16	20	90	1460	0.146	9.00E-03
TCRC041	20	24	640	1220	0.122	6.40E-02
TCRC041	24	28	420	1480	0.148	4.20E-02
TCRC041	28	32	180	1120	0.112	1.80E-02
TCRC041	32	36	100	560	5.60E-02	1.00E-02
TCRC041	36	40	80	520	5.20E-02	8.00E-03
TCRC041	40	44	90	950	9.50E-02	9.00E-03
TCRC041	44	48	90	2910	0.29100001	9.00E-03
TCRC041	48	50	100	2430	0.243	1.00E-02
TCRC041	50	52	90	1060	0.106	9.00E-03
TCRC041	52	53	470	10600	1.0599999	4.70E-02
TCRC041	53	54	250	18800	1.88	0.025
TCRC041	54	55	550	57800	5.7800002	0.055
TCRC041	55	56	510	77200	7.7199998	5.10E-02
TCRC041	56	58	490	70700	7.0700002	4.90E-02
TCRC041	58	59	320	41800	4.1799998	3.20E-02
TCRC041	59	60	540	70500	7.0500002	5.40E-02
TCRC041	60	61	570	55200	5.52	0.057
TCRC041	61	62	570	79500	7.9499998	0.057
TCRC041	62	63	700	129500	12.95	0.07
TCRC041	63	64	650	43500	4.3499999	6.50E-02
TCRC041	64	65	740	219000	21.9	7.40E-02
TCRC041	65	66	630	77800	7.7800002	6.30E-02
TCRC041	66	67	360	72900	7.29	3.60E-02
TCRC041	67	68	410	123000	12.3	4.10E-02
TCRC041	68	69	380	70200	7.02	3.80E-02
TCRC041	69	70	310	124000	12.4	3.10E-02
TCRC041	70	71	260	39500	3.95	2.60E-02
TCRC041	71	72	220	153000	15.3	0.022
TCRC041	72	73	150	51900	5.1900001	0.015
TCRC041	73	74	300	99100	9.9099998	3.00E-02
TCRC041	74	75	240	42100	4.21	0.024
TCRC041	75	76	210	59500	5.9499998	0.021
TCRC041	76	77	260	69100	6.9099998	2.60E-02
TCRC041	77	78	220	40300	4.0300002	0.022
TCRC041	78	79	200	43400	4.3400002	0.02
TCRC041	79	80	300	22700	2.27	3.00E-02
TCRC041	80	81	540	60900	6.0900002	5.40E-02
TCRC041	81	82	380	48100	4.8099999	3.80E-02
TCRC041	82	83	190	41700	4.1700001	1.90E-02
TCRC041	83	84	170	57400	5.7399998	1.70E-02
TCRC041	84	85	240	112500	11.25	0.024
TCRC041	85	86	320	129000	12.9	3.20E-02
TCRC041	86	87	350	87600	8.7600002	0.035
TCRC041	87	88	480	70200	7.02	0.048
TCRC041	88	89	510	75000	7.5	5.10E-02
TCRC041	89	90	290	144000	14.4	2.90E-02
TCRC041	90	91	320	219000	21.9	3.20E-02
TCRC042	0	2	1670	6460	0.64600003	0.167
TCRC042	2	4	1260	1150	0.115	0.126
TCRC042	4	5	1840	630	6.30E-02	0.184
TCRC042	5	6	14100	2340	0.234	1.41
TCRC042	6	7	15450	29100	2.9100001	1.545
TCRC042	7	8	600	3480	0.34799999	6.00E-02
TCRC042	8	9	2840	23500	2.3499999	0.28400001
TCRC042	9	10	2510	15650	1.5650001	0.25099999

TCRC042	10	11	3660	16350	1.635	0.366
TCRC042	11	12	1110	4790	0.479	0.111
TCRC042	12	14	570	2610	0.26100001	0.057
TCRC042	14	16	700	1780	0.178	0.07
TCRC042	16	17	780	1540	0.154	7.80E-02
TCRC042	17	18	540	1480	0.148	5.40E-02
TCRC042	18	19	340	4170	0.417	3.40E-02
TCRC042	19	20	120	1020	0.102	0.012
TCRC042	20	21	140	1580	0.15800001	0.014
TCRC042	21	22	140	5110	0.51099998	0.014
TCRC042	22	23	190	4890	0.48899999	1.90E-02
TCRC042	23	24	250	16750	1.675	0.025
TCRC042	24	25	160	9760	0.97600001	1.60E-02
TCRC042	25	26	210	12750	1.275	0.021
TCRC042	26	27	50	16900	1.6900001	5.00E-03
TCRC042	27	28	60	2860	0.28600001	6.00E-03
TCRC042	28	29	40	30200	3.02	4.00E-03
TCRC042	29	30	80	810	0.081	8.00E-03
TCRC042	30	31	220	92700	9.2700005	0.022
TCRC042	31	32	100	107000	10.7	1.00E-02
TCRC042	32	33	60	78700	7.8699999	6.00E-03
TCRC042	33	34	20	35800	3.5799999	2.00E-03
TCRC042	34	35	50	50100	5.0100002	5.00E-03
TCRC042	35	36	80	76000	7.5999999	8.00E-03
TCRC042	36	37	40	145000	14.5	4.00E-03
TCRC042	37	38	40	50500	5.0500002	4.00E-03
TCRC042	38	39	240	73200	7.3200002	0.024
TCRC042	39	40	250	57500	5.75	0.025
TCRC042	40	41	10	12000	1.2	0.001
TCRC042	41	42	120	56500	5.6500001	0.012
TCRC042	42	43	1120	115500	11.55	0.112
TCRC042	43	44	330	63800	6.3800001	0.033
TCRC042	44	45	250	63200	6.3200002	0.025
TCRC042	45	46	170	30200	3.02	1.70E-02
TCRC042	46	47	200	5160	0.51599997	0.02
TCRC042	47	51	160	3470	0.347	1.60E-02
TCRC042	51	55	220	1840	0.184	0.022
TCRC042	55	59	360	1420	0.142	3.60E-02
TCRC042	59	63	670	2220	0.222	6.70E-02
TCRC042	63	67	350	2960	0.296	0.035
TCRC042	67	71	1070	9530	0.95300001	0.107
TCRC042	71	75	90	9340	0.93400002	9.00E-03
TCRC042	75	77	800	14000	1.4	8.00E-02
TCRC042	77	79	5360	23300	2.3299999	0.53600001
TCRC042	79	80	430	18300	1.83	4.30E-02
TCRC042	80	81	160	10050	1.005	1.60E-02
TCRC042	81	82	260	5500	0.55000001	2.60E-02
TCRC042	82	83	180	47100	4.71	1.80E-02
TCRC042	83	84	290	70300	7.0300002	2.90E-02
TCRC042	84	85	540	83500	8.3500004	5.40E-02
TCRC042	85	86	460	13400	1.34	0.046
TCRC042	86	87	710	75300	7.5300002	7.10E-02
TCRC042	87	88	1240	31700	3.1700001	0.124
TCRC042	88	89	1350	33700	3.3699999	0.13500001
TCRC042	89	90	1290	22500	2.25	0.12899999
TCRC042	90	91	1350	82500	8.25	0.13500001
TCRC042	91	92	1370	52400	5.2399998	0.13699999
TCRC042	92	93	1070	27100	2.71	0.107
TCRC042	93	94	750	19950	1.995	7.50E-02
TCRC042	94	95	550	15300	1.53	0.055
TCRC042	95	96	730	7560	0.75599998	7.30E-02
TCRC042	96	97	650	10050	1.005	6.50E-02
TCRC042	97	98	360	8180	0.81800002	3.60E-02

TCRC042	98	99	850	7490	0.74900001	8.50E-02
TCRC042	99	100	770	7890	0.78899997	0.077
TCRC042	100	101	620	7780	0.778	6.20E-02
TCRC042	101	102	1000	13450	1.345	0.1
TCRC042	102	103	1220	12800	1.28	0.122
TCRC042	103	104	1920	18150	1.8150001	0.192
TCRC042	104	105	2710	29600	2.96	0.271
TCRC042	105	106	1580	15650	1.5650001	0.15800001
TCRC042	106	107	5190	32300	3.23	0.51899999
TCRC042	107	111	28400	51600	5.1599998	2.8399999
TCRC042	111	115	6560	34300	3.4300001	0.65600002
TCRC042	115	116	1570	21100	2.1099999	0.15700001
TCRC042	116	117	2350	50100	5.0100002	0.235
TCRC042	117	118	1290	28700	2.8699999	0.12899999
TCRC042	118	119	2400	36800	3.6800001	0.23999999
TCRC042	119	120	1880	25000	2.5	0.18799999
TCRC042	120	121	390	37700	3.77	3.90E-02
TCRC042	121	122	730	59000	5.9000001	7.30E-02
TCRC042	122	123	350	11450	1.145	0.035
TCRC042	123	124	400	13000	1.3	4.00E-02
TCRC042	124	125	640	15700	1.5700001	6.40E-02
TCRC042	125	126	1180	24500	2.45	0.118
TCRC042	126	127	900	54600	5.46	9.00E-02
TCRC042	127	128	250	35900	3.5899999	0.025
TCRC042	128	129	1000	43300	4.3299999	0.1
TCRC042	129	130	1580	23300	2.3299999	0.15800001
TCRC042	130	131	4380	35800	3.5799999	0.43799999
TCRC042	131	132	800	49200	4.9200001	8.00E-02
TCRC042	132	133	3280	77900	7.79	0.32800001
TCRC042	133	134	700	31100	3.1099999	0.07
TCRC042	134	135	1140	27300	2.73	0.114
TCRC042	135	136	370	25300	2.53	0.037
TCRC042	136	137	670	52900	5.29	6.70E-02
TCRC042	137	138	680	54700	5.4699998	6.80E-02
TCRC042	138	139	260	10800	1.08	2.60E-02
TCRC042	139	140	380	23100	2.3099999	3.80E-02
TCRC042	140	141	260	18400	1.84	2.60E-02
TCRC042	141	142	4340	20300	2.03	0.43399999
TCRC042	142	143	630	9470	0.94700003	6.30E-02
TCRC042	143	144	570	3790	0.37900001	0.057
TCRC042	144	145	670	18700	1.87	6.70E-02
TCRC042	145	146	470	18150	1.8150001	4.70E-02
TCRC042	146	147	560	9840	0.98400003	5.60E-02
TCRC042	147	148	250	2700	0.27000001	0.025
TCRC042	148	149	420	14700	1.47	4.20E-02
TCRC042	149	150	1200	13800	1.38	0.12
TCRC042	150	151	430	11400	1.14	4.30E-02
TCRC043	0	3	2880	2260	0.226	0.28799999
TCRC043	3	5	3350	3090	0.30899999	0.33500001
TCRC043	5	7	1880	4060	0.40599999	0.18799999
TCRC043	7	9	1880	3130	0.31299999	0.18799999
TCRC043	9	11	2870	2090	0.20900001	0.287
TCRC043	11	13	3730	2750	0.27500001	0.373
TCRC043	13	15	2410	2970	0.29699999	0.241
TCRC043	15	17	6260	5730	0.57300001	0.62599999
TCRC043	17	19	3230	3260	0.32600001	0.32300001
TCRC043	19	21	7120	3570	0.35699999	0.71200001
TCRC043	21	23	3480	1840	0.184	0.34799999
TCRC043	23	25	9620	7980	0.79799998	0.96200001
TCRC043	25	26	3990	7280	0.72799999	0.39899999
TCRC043	26	27	1710	3790	0.37900001	0.171
TCRC043	27	28	2130	3610	0.361	0.213
TCRC043	28	29	1930	1920	0.192	0.193

TCRC043	29	30	2210	9030	0.903	0.221
TCRC043	30	31	1170	10700	1.0700001	0.117
TCRC043	31	32	550	56900	5.6900001	0.055
TCRC043	32	33	680	35800	3.5799999	6.80E-02
TCRC043	33	34	420	5090	0.509	4.20E-02
TCRC043	34	35	300	2720	0.27200001	3.00E-02
TCRC043	35	36	1770	18900	1.89	0.177
TCRC043	36	37	930	6570	0.65700001	9.30E-02
TCRC043	37	38	1630	11350	1.135	0.163
TCRC043	38	39	3100	33000	3.3	0.31
TCRC043	39	40	640	27600	2.76	6.40E-02
TCRC043	40	41	1090	40500	4.0500002	0.109
TCRC043	41	42	1360	19700	1.97	0.13600001
TCRC043	42	43	860	18650	1.865	8.60E-02
TCRC043	43	44	830	6290	0.62900001	8.30E-02
TCRC043	44	45	620	11250	1.125	6.20E-02
TCRC043	45	46	690	7440	0.74400002	6.90E-02
TCRC043	46	47	2090	70800	7.0799999	0.20900001
TCRC043	47	48	400	8670	0.86699998	4.00E-02
TCRC043	48	49	1320	15700	1.5700001	0.132
TCRC043	49	50	690	9310	0.93099999	6.90E-02
TCRC043	50	51	2340	175000	17.5	0.234
TCRC043	51	52	300	4300	0.43000001	3.00E-02
TCRC043	52	53	320	7790	0.77899998	3.20E-02
TCRC043	53	54	440	5580	0.55800003	0.044
TCRC043	54	55	340	11600	1.16	3.40E-02
TCRC043	55	56	300	8160	0.81599998	3.00E-02
TCRC043	56	57	260	6930	0.69300002	2.60E-02
TCRC043	57	58	190	3670	0.36700001	1.90E-02
TCRC043	58	59	300	6100	0.61000001	3.00E-02
TCRC043	59	60	250	3650	0.36500001	0.025
TCRC043	60	61	250	5610	0.56099999	0.025
TCRC043	61	62	290	2790	0.27900001	2.90E-02
TCRC043	62	63	310	6700	0.67000002	3.10E-02
TCRC043	63	64	350	8490	0.84899998	0.035
TCRC043	64	65	310	3760	0.37599999	3.10E-02
TCRC043	65	66	260	1390	0.139	2.60E-02
TCRC043	66	67	290	1220	0.122	2.90E-02
TCRC043	67	68	240	1510	0.15099999	0.024
TCRC043	68	69	330	6150	0.61500001	0.033
TCRC043	69	70	1130	3310	0.331	0.113
TCRC043	70	71	450	2010	0.20100001	4.50E-02
TCRC043	71	72	2260	13700	1.37	0.226
TCRC043	72	73	4470	10950	1.095	0.447
TCRC043	73	74	6510	16050	1.605	0.65100002
TCRC043	74	75	5170	7680	0.76800001	0.51700002
TCRC043	75	76	1870	8060	0.80599999	0.18700001
TCRC043	76	77	820	35600	3.5599999	8.20E-02
TCRC043	77	78	530	4630	0.463	5.30E-02
TCRC043	78	79	440	8490	0.84899998	0.044
TCRC043	79	80	380	7770	0.77700001	3.80E-02
TCRC043	80	81	460	6600	0.66000003	0.046
TCRC043	81	82	350	1280	0.12800001	0.035
TCRC043	82	83	340	1480	0.148	3.40E-02
TCRC043	83	84	370	1450	0.145	0.037
TCRC043	84	85	370	1700	0.17	0.037
TCRC043	85	86	400	15700	1.5700001	4.00E-02
TCRC043	86	87	330	12050	1.205	0.033
TCRC043	87	88	400	4920	0.49200001	4.00E-02
TCRC043	88	89	460	10100	1.01	0.046
TCRC043	89	90	420	11600	1.16	4.20E-02
TCRC043	90	91	370	17250	1.725	0.037
TCRC043	91	92	300	5550	0.55500001	3.00E-02

TCRC043	92	93	290	6380	0.63800001	2.90E-02
TCRC043	93	94	170	9550	0.95499998	1.70E-02
TCRC043	94	95	160	2390	0.23899999	1.60E-02
TCRC043	95	96	220	4130	0.41299999	0.022
TCRC044	0	3	1950	1090	0.109	0.19499999
TCRC044	3	6	910	840	8.40E-02	9.10E-02
TCRC044	6	9	940	890	8.90E-02	9.40E-02
TCRC044	9	12	290	1270	0.127	2.90E-02
TCRC044	12	13	850	7670	0.76700002	8.50E-02
TCRC044	13	14	660	6200	0.62	0.066
TCRC044	14	15	590	4190	0.419	0.059
TCRC044	15	16	210	6030	0.60299999	0.021
TCRC044	16	17	580	3570	0.35699999	5.80E-02
TCRC044	17	18	510	5350	0.53500003	5.10E-02
TCRC044	18	19	540	6010	0.60100001	5.40E-02
TCRC044	19	20	360	3900	0.38999999	3.60E-02
TCRC044	20	21	320	4990	0.49900001	3.20E-02
TCRC044	21	22	240	2460	0.24600001	0.024
TCRC044	22	23	210	2980	0.29800001	0.021
TCRC044	23	24	280	4360	0.43599999	2.80E-02
TCRC044	24	25	160	2560	0.25600001	1.60E-02
TCRC044	25	26	210	3540	0.354	0.021
TCRC044	26	27	240	2250	0.22499999	0.024
TCRC044	27	28	270	3330	0.333	2.70E-02
TCRC044	28	29	230	3570	0.35699999	0.023
TCRC044	29	30	240	7460	0.74599999	0.024
TCRC044	30	31	170	5250	0.52499998	1.70E-02
TCRC044	31	32	250	6080	0.60799998	0.025
TCRC044	32	33	200	5370	0.537	0.02
TCRC044	33	34	560	13800	1.38	5.60E-02
TCRC044	34	35	500	7160	0.71600002	5.00E-02
TCRC044	35	36	320	4140	0.414	3.20E-02
TCRC044	36	37	260	4890	0.48899999	2.60E-02
TCRC044	37	38	270	12950	1.295	2.70E-02
TCRC044	38	39	370	24200	2.4200001	0.037
TCRC044	39	40	170	3180	0.31799999	1.70E-02
TCRC044	40	41	260	2930	0.29300001	2.60E-02
TCRC044	41	42	1280	15850	1.585	0.12800001
TCRC044	42	43	500	4450	0.44499999	5.00E-02
TCRC044	43	44	1050	4590	0.45899999	0.105
TCRC044	44	45	9210	27200	2.72	0.921
TCRC044	45	46	9090	12000	1.2	0.90899998
TCRC044	46	47	2700	12300	1.23	0.27000001
TCRC044	47	48	1900	12650	1.265	0.19
TCRC044	48	49	2080	5600	0.56	0.208
TCRC044	49	50	6100	15650	1.5650001	0.61000001
TCRC044	50	51	2770	67500	6.75	0.27700001
TCRC044	51	52	1850	25300	2.53	0.185
TCRC044	52	53	2870	51100	5.1100001	0.287
TCRC044	53	54	4800	30600	3.0599999	0.47999999
TCRC044	54	55	3630	9240	0.92400002	0.36300001
TCRC044	55	56	2680	5140	0.514	0.26800001
TCRC044	56	57	13950	129500	12.95	1.395
TCRC044	57	58	3610	11250	1.125	0.361
TCRC044	58	59	3420	7060	0.70599997	0.34200001
TCRC044	59	60	1840	4730	0.47299999	0.184
TCRC044	60	62	1680	4330	0.433	0.168
TCRC044	62	64	1040	4440	0.44400001	0.104
TCRC044	64	66	1240	10650	1.0650001	0.124
TCRC044	66	67	1350	16200	1.62	0.13500001
TCRC044	67	68	2640	31900	3.1900001	0.264
TCRC044	68	69	2530	42600	4.2600002	0.25299999
TCRC044	69	70	3510	33800	3.3800001	0.35100001

TCRC044	70	71	3700	16100	1.61	0.37
TCRC044	71	72	9970	44200	4.4200001	0.99699998
TCRC044	72	73	2740	32300	3.23	0.27399999
TCRC044	73	74	2870	23200	2.3199999	0.287
TCRC044	74	75	2870	33300	3.3299999	0.287
TCRC044	75	76	1380	28700	2.8699999	0.138
TCRC044	76	77	1300	16500	1.65	0.13
TCRC044	77	78	1020	14950	1.495	0.102
TCRC044	78	79	3500	30000	3	0.34999999
TCRC044	79	80	15000	72000	7.1999998	1.5
TCRC044	80	81	6440	40200	4.02	0.64399999
TCRC044	81	82	4220	19150	1.915	0.42199999
TCRC044	82	83	5430	53200	5.3200002	0.54299998
TCRC044	83	84	18000	107500	10.75	1.8
TCRC044	84	85	4050	116500	11.65	0.405
TCRC044	85	86	2980	55100	5.5100002	0.29800001
TCRC044	86	87	7230	60900	6.0900002	0.72299999
TCRC044	87	88	10050	34700	3.47	1.005
TCRC044	88	89	4170	14550	1.455	0.417
TCRC044	89	90	1380	16250	1.625	0.138
TCRC044	90	91	1140	12900	1.29	0.114
TCRC044	91	92	1310	56800	5.6799998	0.131
TCRC044	92	93	1490	24200	2.4200001	0.149
TCRC044	93	94	1200	19200	1.92	0.12
TCRC044	94	95	2040	29200	2.9200001	0.204
TCRC044	95	96	1040	37000	3.7	0.104
TCRC044	96	97	1280	17250	1.725	0.12800001
TCRC044	97	98	500	8390	0.83899999	5.00E-02
TCRC044	98	99	450	4650	0.465	4.50E-02
TCRC044	99	100	380	2010	0.20100001	3.80E-02
TCRC044	100	102	440	2840	0.28400001	0.044
TCRC044	102	104	480	2110	0.211	0.048
TCRC044	104	106	1760	3090	0.30899999	0.176
TCRC044	106	108	720	2630	0.26300001	7.20E-02
TCRC044	108	110	760	3910	0.391	7.60E-02
TCRC044	110	112	380	2680	0.26800001	3.80E-02
TCRC044	112	114	2440	8730	0.87300003	0.244
TCRC044	114	116	1260	4620	0.46200001	0.126
TCRC044	116	118	1270	6060	0.60600001	0.127
TCRC044	118	120	490	2980	0.29800001	4.90E-02
TCRC045	0	2	280	710	7.10E-02	2.80E-02
TCRC045	2	4	170	850	8.50E-02	1.70E-02
TCRC045	4	6	1320	1020	0.102	0.132
TCRC045	6	8	1970	1520	0.152	0.197
TCRC045	8	10	1580	1760	0.176	0.15800001
TCRC045	10	12	1690	1810	0.18099999	0.169
TCRC045	12	14	9460	5790	0.579	0.94599998
TCRC045	14	16	3430	6140	0.61400002	0.34299999
TCRC045	16	18	17150	7920	0.792	1.715
TCRC045	18	19	1560	43300	4.3299999	0.156
TCRC045	19	20	790	73300	7.3299999	7.90E-02
TCRC045	20	21	510	61400	6.1399999	5.10E-02
TCRC045	21	22	1150	62200	6.2199998	0.115
TCRC045	22	23	12350	61500	6.1500001	1.235
TCRC045	23	24	18250	22200	2.22	1.825
TCRC045	24	25	3270	5350	0.53500003	0.32699999
TCRC045	25	27	2440	2810	0.28099999	0.244
TCRC045	27	29	7080	7290	0.72899997	0.708
TCRC045	29	31	2090	2910	0.29100001	0.20900001
TCRC045	31	33	2230	4080	0.40799999	0.223
TCRC045	33	35	3850	8790	0.87900001	0.38499999
TCRC045	35	37	2820	2810	0.28099999	0.28200001
TCRC045	37	38	2080	1280	0.12800001	0.208

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TCRC046	75	78	1880	26000	2.5999999	0.18799999
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TCRC047	53	54	2350	61300	6.1300001	0.235
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TCRC047	56	57	1700	17350	1.735	0.17
TCRC047	57	58	990	8290	0.829	9.90E-02
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TCRC047	59	60	2370	24100	2.4100001	0.237
TCRC047	60	61	2110	21400	2.1400001	0.211
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TCRC047	91	94	720	3320	0.33199999	7.20E-02
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TCRC047	96	98	560	2940	0.294	5.60E-02
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TCRC048	12	16	240	1060	0.106	0.024
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TCRC048	40	44	680	1800	0.18000001	6.80E-02
TCRC048	44	48	1930	1590	0.15899999	0.193
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TCRC048	62	63	5800	46400	4.6399999	0.57999998
TCRC048	63	64	4760	81600	8.1599998	0.47600001
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TCRC049	30	31	6240	35700	3.5699999	0.62400001
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TCRC049	32	36	8380	21800	2.1800001	0.838
TCRC049	36	37	2730	15600	1.5599999	0.273
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TCRC049	41	42	4210	18000	1.8	0.421
TCRC049	42	43	1930	9820	0.98199999	0.193
TCRC049	43	44	2360	9320	0.93199998	0.236
TCRC049	44	45	1080	14700	1.47	0.108
TCRC049	45	46	1540	10600	1.0599999	0.154
TCRC049	46	47	1220	12600	1.26	0.122
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TCRC049	49	50	1710	19200	1.92	0.171
TCRC049	50	52	1110	9130	0.91299999	0.111
TCRC049	52	54	1400	7560	0.75599998	0.14
TCRC049	54	56	5850	16500	1.65	0.58499998
TCRC049	56	57	3320	13900	1.39	0.33199999
TCRC049	57	58	1270	33100	3.3099999	0.127
TCRC049	58	59	920	13300	1.33	0.092
TCRC049	59	60	3220	61600	6.1599998	0.322
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TCRC049	61	62	1580	46700	4.6700001	0.15800001
TCRC049	62	63	1640	31800	3.1800001	0.164
TCRC049	63	64	1150	39200	3.9200001	0.115
TCRC049	64	65	2690	18500	1.85	0.26899999
TCRC049	65	66	2100	8220	0.82200003	0.20999999
TCRC049	66	67	1400	11500	1.15	0.14
TCRC049	67	68	830	8180	0.81800002	8.30E-02
TCRC049	68	69	1800	13200	1.3200001	0.18000001
TCRC049	69	70	920	38900	3.8900001	0.092
TCRC049	70	71	930	19100	1.91	9.30E-02
TCRC049	71	72	870	17800	1.78	8.70E-02
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TCRC049	73	74	1080	4490	0.449	0.108
TCRC049	74	76	400	6400	0.63999999	4.00E-02
TCRC049	76	78	600	6060	0.60600001	6.00E-02
TCRC050	0	2	190	990	9.90E-02	1.90E-02
TCRC050	2	3	220	1320	0.132	0.022
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TCRC050	4	5	400	4220	0.42199999	4.00E-02
TCRC050	5	6	410	2510	0.25099999	4.10E-02
TCRC050	6	7	430	1910	0.191	4.30E-02
TCRC050	7	8	3790	4190	0.419	0.37900001
TCRC050	8	9	770	1730	0.17299999	0.077
TCRC050	9	13	670	1950	0.19499999	6.70E-02
TCRC050	13	17	1160	2420	0.242	0.116
TCRC050	17	20	2620	3530	0.35299999	0.26199999
TCRC050	20	24	3110	3970	0.39700001	0.31099999
TCRC050	24	28	4860	5440	0.54400003	0.486
TCRC050	28	32	4870	5180	0.51800001	0.48699999
TCRC050	32	36	2520	3040	0.30399999	0.252
TCRC050	36	41	4470	12300	1.23	0.447
TCRC050	41	42	2130	14400	1.4400001	0.213
TCRC050	42	45	3660	14700	1.47	0.366
TCRC050	45	46	3240	28000	2.8	0.324
TCRC050	46	48	2830	13900	1.39	0.28299999

TCRC050	48	50	3660	27300	2.73	0.366
TCRC050	50	51	3300	16700	1.67	0.33000001
TCRC050	51	52	2090	27400	2.74	0.20900001
TCRC050	52	53	3430	22500	2.25	0.34299999
TCRC050	53	54	5450	22600	2.26	0.54500002
TCRC050	54	55	4830	42200	4.2199998	0.48300001
TCRC050	55	56	3560	40000	4	0.35600001
TCRC050	56	57	5180	29600	2.96	0.51800001
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TCRC050	59	60	2900	33300	3.3299999	0.28999999
TCRC050	60	61	2930	35100	3.51	0.29300001
TCRC050	61	62	3030	38000	3.8	0.303
TCRC050	62	63	1230	11400	1.14	0.123
TCRC050	63	64	1710	5560	0.55599999	0.171
TCRC050	64	65	1370	5090	0.509	0.13699999
TCRC050	65	66	1590	14100	1.41	0.15899999
TCRC050	66	67	1440	16600	1.66	0.14399999
TCRC050	67	68	1760	17300	1.73	0.176
TCRC050	68	69	920	15800	1.58	0.092
TCRC050	69	70	450	10400	1.04	4.50E-02
TCRC050	70	71	1750	12900	1.29	0.175
TCRC050	71	72	730	18500	1.85	7.30E-02
TCRC050	72	73	630	5900	0.58999997	6.30E-02
TCRC050	73	74	740	6530	0.653	7.40E-02
TCRC050	74	75	890	15900	1.59	8.90E-02
TCRC050	75	76	1940	12400	1.24	0.19400001
TCRC050	76	77	1440	15200	1.52	0.14399999
TCRC050	77	78	790	11400	1.14	7.90E-02
TCRC050	78	79	710	14500	1.45	7.10E-02
TCRC050	79	80	340	16200	1.62	3.40E-02
TCRC050	80	81	4280	21500	2.1500001	0.428
TCRC050	81	82	2880	17900	1.79	0.28799999
TCRC050	82	83	1310	11100	1.11	0.131
TCRC050	83	84	1790	22500	2.25	0.17900001
TCRC050	84	85	2490	16100	1.61	0.249
TCRC050	85	86	1540	16900	1.6900001	0.154
TCRC050	86	87	1640	26100	2.6099999	0.164
TCRC050	87	88	1250	20300	2.03	0.125
TCRC050	88	89	1250	30400	3.04	0.125
TCRC051	0	4	150	910	9.10E-02	0.015
TCRC051	4	8	190	760	7.60E-02	1.90E-02
TCRC051	8	12	250	940	9.40E-02	0.025
TCRC051	12	16	250	1110	0.111	0.025
TCRC051	16	20	2760	2330	0.233	0.27599999
TCRC051	20	24	10850	4110	0.41100001	1.085
TCRC051	24	25	11750	21300	2.1300001	1.175
TCRC051	25	26	11300	14700	1.47	1.13
TCRC051	26	27	13400	7020	0.70200002	1.34
TCRC051	27	28	26700	45700	4.5700002	2.6700001
TCRC051	28	29	54300	132000	13.2	5.4299998
TCRC051	29	30	2790	8580	0.85799998	0.27900001
TCRC051	30	31	1740	20900	2.0899999	0.17399999
TCRC051	31	32	5480	17400	1.74	0.54799998
TCRC051	32	35	6990	14200	1.42	0.699
TCRC051	35	38	4730	8960	0.89600003	0.47299999
TCRC051	38	40	1730	12700	1.27	0.17299999
TCRC051	40	42	960	23300	2.3299999	9.60E-02
TCRC051	42	44	1000	6680	0.66799998	0.1
TCRC051	44	46	2070	14000	1.4	0.207
TCRC051	46	48	2330	10600	1.0599999	0.233
TCRC051	48	50	1340	6020	0.602	0.134
TCRC051	50	52	3990	8590	0.85900003	0.39899999

TCRC051	52	54	2780	12700	1.27	0.278
TCRC051	54	56	2300	9010	0.90100002	0.23
TCRC051	56	57	3510	66700	6.6700001	0.35100001
TCRC051	57	59	1320	22800	2.28	0.132
TCRC051	59	61	390	6910	0.69099998	3.90E-02
TCRC051	61	62	410	9920	0.99199998	4.10E-02
TCRC051	62	63	980	35600	3.5599999	9.80E-02
TCRC051	63	64	2430	33300	3.3299999	0.243
TCRC051	64	66	890	8610	0.861	8.90E-02
TCRC051	66	67	3470	87700	8.7700005	0.347
TCRC051	67	68	1880	29000	2.9000001	0.18799999
TCRC051	68	70	980	7140	0.71399999	9.80E-02
TCRC051	70	71	460	7970	0.79699999	0.046
TCRC051	71	72	1250	16100	1.61	0.125
TCRC051	72	73	800	62100	6.21	8.00E-02
TCRC051	73	74	1550	26800	2.6800001	0.155
TCRC051	74	75	800	12700	1.27	8.00E-02
TCRC051	75	76	1270	15100	1.51	0.127
TCRC051	76	77	1330	12300	1.23	0.133
TCRC052	0	6	1840	2800	0.28	0.184
TCRC052	6	10	350	1000	0.1	0.035
TCRC052	10	14	1160	1460	0.146	0.116
TCRC052	14	18	510	1920	0.192	5.10E-02
TCRC052	18	22	180	770	0.077	1.80E-02
TCRC052	22	26	200	1310	0.131	0.02
TCRC052	26	30	810	1260	0.126	0.081
TCRC052	30	34	970	1140	0.114	9.70E-02
TCRC052	34	38	1000	1100	0.11	0.1
TCRC052	38	40	1480	10000	1	0.148
TCRC052	40	41	2360	27900	2.79	0.236
TCRC052	41	42	1590	36100	3.6099999	0.15899999
TCRC052	42	43	1220	68000	6.8000002	0.122
TCRC052	43	44	1590	46200	4.6199999	0.15899999
TCRC052	44	45	3380	170000	17	0.338
TCRC052	45	46	6330	192000	19.200001	0.63300002
TCRC052	46	47	8790	135500	13.55	0.87900001
TCRC052	47	48	4010	62600	6.2600002	0.40099999
TCRC052	48	49	4190	16100	1.61	0.419
TCRC052	49	50	4550	7300	0.73000002	0.45500001
TCRC052	50	51	5400	12700	1.27	0.54000002
TCRC052	51	52	6690	53000	5.3000002	0.66900003
TCRC052	52	53	4870	64300	6.4299998	0.48699999
TCRC052	53	54	5430	120000	12	0.54299998
TCRC052	55	56	4380	43900	4.3899999	0.43799999
TCRC052	56	57	4880	137000	13.7	0.48800001
TCRC052	57	58	14000	35400	3.54	1.4
TCRC052	58	59	9930	46400	4.6399999	0.99299997
TCRC052	59	60	8640	37400	3.74	0.86400002
TCRC052	60	61	5660	95600	9.5600004	0.56599998
TCRC052	61	62	1230	44100	4.4099998	0.123
TCRC052	62	63	3400	40400	4.04	0.34
TCRC052	63	64	1270	35000	3.5	0.127
TCRC052	64	65	1270	25700	2.5699999	0.127
TCRC052	65	66	2360	31400	3.1400001	0.236
TCRC052	66	67	2030	33200	3.3199999	0.20299999
TCRC052	67	68	2100	21600	2.1600001	0.20999999
TCRC052	68	69	1760	66200	6.6199999	0.176
TCRC052	69	70	800	31400	3.1400001	8.00E-02
TCRC052	70	71	750	34400	3.4400001	7.50E-02
TCRC052	71	72	300	78300	7.8299999	3.00E-02
TCRC052	72	73	980	25400	2.54	9.80E-02
TCRC052	73	74	1020	59400	5.9400001	0.102
TCRC052	74	75	950	24600	2.46	9.50E-02

TCRC052	75	76	1230	30800	3.0799999	0.123
TCRC052	76	77	1420	35500	3.55	0.142
TCRC052	77	78	1330	30500	3.05	0.133
TCRC052	78	79	1620	51800	5.1799998	0.162
TCRC052	79	80	1740	37400	3.74	0.17399999
TCRC052	80	81	2090	39000	3.9000001	0.20900001
TCRC052	81	82	3210	111500	11.15	0.32100001
TCRC052	82	83	6110	60000	6	0.611
TCRC052	83	84	4590	228000	22.799999	0.45899999
TCRC052	84	85	4530	120000	12	0.45300001
TCRC052	85	86	4180	24400	2.4400001	0.41800001
TCRC052	86	87	1770	15000	1.5	0.177
TCRC052	87	88	2060	15800	1.58	0.206
TCRC052	88	89	2670	77400	7.7399998	0.26699999
TCRC052	89	90	2010	84900	8.4899998	0.20100001
TCRC053	0	4	170	1480	0.148	1.70E-02
TCRC053	4	8	210	1800	0.18000001	0.021
TCRC053	8	12	540	4160	0.41600001	5.40E-02
TCRC053	12	16	1140	2050	0.205	0.114
TCRC053	16	20	300	1140	0.114	3.00E-02
TCRC053	20	24	1590	2730	0.273	0.15899999
TCRC053	24	28	680	1780	0.178	6.80E-02
TCRC053	28	32	370	1520	0.152	0.037
TCRC053	32	36	910	1120	0.112	9.10E-02
TCRC053	36	40	1300	1440	0.14399999	0.13
TCRC053	40	44	310	1050	0.105	3.10E-02
TCRC053	44	48	380	980	9.80E-02	3.80E-02
TCRC053	48	52	810	1550	0.155	0.081
TCRC053	52	56	1030	2410	0.241	0.103
TCRC053	56	60	470	1250	0.125	4.70E-02
TCRC053	60	64	120	160	1.60E-02	0.012
TCRC053	64	68	90	130	0.013	9.00E-03
TCRC053	68	72	60	50	5.00E-03	6.00E-03
TCRC053	72	76	50	70	7.00E-03	5.00E-03
TCRC054	0	4	150	750	7.50E-02	0.015
TCRC054	4	8	360	1000	0.1	3.60E-02
TCRC054	8	12	1550	1840	0.184	0.155
TCRC054	12	16	1900	2460	0.24600001	0.19
TCRC054	16	20	210	950	9.50E-02	0.021
TCRC054	20	24	600	1170	0.117	6.00E-02
TCRC054	24	28	490	1120	0.112	4.90E-02
TCRC054	28	32	440	1340	0.134	0.044
TCRC054	32	36	460	1350	0.13500001	0.046
TCRC054	36	40	350	1250	0.125	0.035
TCRC054	40	43	370	1420	0.142	0.037
TCRC054	43	44	250	3890	0.389	0.025
TCRC054	44	48	130	720	7.20E-02	0.013
TCRC054	48	52	350	1460	0.146	0.035
TCRC054	52	56	310	1520	0.152	3.10E-02
TCRC054	56	60	70	280	2.80E-02	7.00E-03
TCRC054	60	64	30	300	3.00E-02	0.003
TCRC054	64	68	50	620	6.20E-02	5.00E-03
TCRC054	68	72	60	1530	0.153	6.00E-03
TCRC054	72	76	60	1440	0.14399999	6.00E-03
TCRC054	76	81	80	1310	0.131	8.00E-03
TCRC055	0	4	330	900	9.00E-02	0.033
TCRC055	4	8	680	900	9.00E-02	6.80E-02
TCRC055	8	12	400	1030	0.103	4.00E-02
TCRC055	12	16	610	1140	0.114	6.10E-02
TCRC055	16	20	480	1340	0.134	0.048
TCRC055	20	24	350	1630	0.163	0.035
TCRC055	24	28	620	2200	0.22	6.20E-02
TCRC055	28	32	1630	3240	0.324	0.163

TCRC055	32	36	450	1350	0.13500001	4.50E-02
TCRC055	36	40	300	1160	0.116	3.00E-02
TCRC055	40	44	320	1350	0.13500001	3.20E-02
TCRC055	44	48	310	1360	0.13600001	3.10E-02
TCRC055	48	52	300	1490	0.149	3.00E-02
TCRC055	52	56	600	2070	0.207	6.00E-02
TCRC055	56	58	140	1750	0.175	0.014
TCRC055	58	60	60	2940	0.294	6.00E-03
TCRC055	60	64	230	460	0.046	0.023
TCRC055	64	68	170	1400	0.14	1.70E-02
TCRC055	69	71	240	1490	0.149	0.024
TCRC056	0	4	140	660	0.066	0.014
TCRC056	4	8	200	790	7.90E-02	0.02
TCRC056	8	12	3400	1610	0.161	0.34
TCRC056	12	16	4570	2510	0.25099999	0.45699999
TCRC056	16	20	1970	2070	0.207	0.197
TCRC056	20	24	1550	3760	0.37599999	0.155
TCRC056	24	28	1290	1640	0.164	0.12899999
TCRC056	28	32	1640	1970	0.197	0.164
TCRC056	32	36	1020	1940	0.19400001	0.102
TCRC056	36	41	2420	4330	0.433	0.242
TCRC056	41	43	1700	6890	0.68900001	0.17
TCRC056	43	45	1070	7520	0.75199997	0.107
TCRC056	45	48	590	2270	0.227	0.059
TCRC056	48	51	820	2770	0.27700001	8.20E-02
TCRC056	51	52	2690	20300	2.03	0.26899999
TCRC056	52	53	2590	19900	1.99	0.259
TCRC056	53	54	4110	102000	10.2	0.41100001
TCRC056	54	55	4830	44600	4.46	0.48300001
TCRC056	55	56	1090	16300	1.63	0.109
TCRC056	56	57	3540	208000	20.799999	0.354
TCRC056	57	58	850	107000	10.7	8.50E-02
TCRC056	58	59	910	73100	7.3099999	9.10E-02
TCRC056	59	60	460	54400	5.4400001	0.046
TCRC056	60	61	450	100000	10	4.50E-02
TCRC056	61	62	310	57100	5.71	3.10E-02
TCRC056	62	63	350	112000	11.2	0.035
TCRC056	63	64	420	17100	1.71	4.20E-02
TCRC056	64	65	1100	62900	6.29	0.11
TCRC056	65	66	1250	22100	2.21	0.125
TCRC056	66	67	1320	39500	3.95	0.132
TCRC056	67	68	1940	26400	2.6400001	0.19400001
TCRC056	68	69	1810	48300	4.8299999	0.18099999
TCRC056	69	70	2400	45500	4.5500002	0.23999999
TCRC056	70	71	5490	64300	6.4299998	0.54900002
TCRC056	71	72	2680	23000	2.3	0.26800001
TCRC056	72	73	3080	12900	1.29	0.308
TCRC056	73	74	1740	6600	0.66000003	0.17399999
TCRC056	74	75	2050	13600	1.36	0.205
TCRC056	75	76	1090	19500	1.95	0.109
TCRC056	76	77	1890	30100	3.01	0.189
TCRC056	77	78	1920	36500	3.6500001	0.192
TCRC056	78	79	1120	18600	1.86	0.112
TCRC056	79	80	1340	26900	2.6900001	0.134
TCRC056	80	81	3410	11400	1.14	0.34099999
TCRC056	81	82	4350	10500	1.05	0.435
TCRC056	82	83	2160	31800	3.1800001	0.21600001
TCRC056	83	84	2550	22400	2.24	0.255
TCRC056	84	85	1620	41400	4.1399999	0.162
TCRC056	85	86	1030	23300	2.3299999	0.103
TCRC056	86	87	530	22600	2.26	5.30E-02
TCRC056	87	88	680	115500	11.55	6.80E-02
TCRC056	88	89	250	85800	8.5799999	0.025

TCRC056	89	90	330	78200	7.8200002	0.033
TCRC057	0	4	180	740	7.40E-02	1.80E-02
TCRC057	4	8	1210	1280	0.12800001	0.121
TCRC057	8	12	460	870	8.70E-02	0.046
TCRC057	12	16	870	1940	0.19400001	8.70E-02
TCRC057	16	20	450	1860	0.186	4.50E-02
TCRC057	20	24	200	1280	0.12800001	0.02
TCRC057	24	28	290	1160	0.116	2.90E-02
TCRC057	28	32	3250	4540	0.454	0.32499999
TCRC057	32	36	3640	4510	0.45100001	0.36399999
TCRC057	36	40	1640	2840	0.28400001	0.164
TCRC057	40	44	340	1350	0.13500001	3.40E-02
TCRC057	44	48	470	2540	0.25400001	4.70E-02
TCRC057	48	52	260	1750	0.175	2.60E-02
TCRC057	52	54	260	1310	0.131	2.60E-02
TCRC057	54	55	200	30400	3.04	0.02
TCRC057	55	56	350	86700	8.6700001	0.035
TCRC057	56	57	650	199500	19.950001	6.50E-02
TCRC057	57	58	1400	270000	27	0.14
TCRC057	58	59	780	116500	11.65	7.80E-02
TCRC057	59	60	1360	151500	15.15	0.13600001
TCRC057	60	61	1190	170500	17.049999	0.119
TCRC057	61	62	1340	187500	18.75	0.134
TCRC057	62	63	1600	142500	14.25	0.16
TCRC057	63	64	800	105500	10.55	8.00E-02
TCRC057	64	65	1220	60000	6	0.122
TCRC057	65	66	1030	32600	3.26	0.103
TCRC057	67	68	540	19900	1.99	5.40E-02
TCRC057	68	69	640	16200	1.62	6.40E-02
TCRC057	69	70	550	27900	2.79	0.055
TCRC057	70	72	210	6600	0.66000003	0.021
TCRC057	72	75	10	470	4.70E-02	0.001
TCRC057	75	78	10	240	0.024	0.001
TCRC057	78	81	20	980	9.80E-02	2.00E-03
TCRC058	0	4	560	1200	0.12	5.60E-02
TCRC058	4	8	450	1230	0.123	4.50E-02
TCRC058	8	12	320	740	7.40E-02	3.20E-02
TCRC058	12	16	90	750	7.50E-02	9.00E-03
TCRC058	16	20	250	1130	0.113	0.025
TCRC058	20	24	250	1100	0.11	0.025
TCRC058	24	28	630	1940	0.19400001	6.30E-02
TCRC058	28	32	150	1070	0.107	0.015
TCRC058	32	36	90	710	7.10E-02	9.00E-03
TCRC058	36	40	270	2260	0.226	2.70E-02
TCRC058	40	44	110	970	9.70E-02	0.011
TCRC058	44	48	110	940	9.40E-02	0.011
TCRC058	48	52	90	750	7.50E-02	9.00E-03
TCRC058	52	56	120	750	7.50E-02	0.012
TCRC058	56	60	100	300	3.00E-02	1.00E-02
TCRC058	60	65	230	560	5.60E-02	0.023
TCRC059	0	4	150	590	0.059	0.015
TCRC059	4	8	480	680	6.80E-02	0.048
TCRC059	8	12	480	600	6.00E-02	0.048
TCRC059	12	16	560	590	0.059	5.60E-02
TCRC059	16	20	9290	9480	0.94800001	0.92900002
TCRC059	20	22	5190	29700	2.97	0.51899999
TCRC059	22	24	5920	17600	1.76	0.59200001
TCRC059	24	26	4090	18600	1.86	0.40900001
TCRC059	26	28	2940	4740	0.47400001	0.294
TCRC059	28	29	2880	11200	1.12	0.28799999
TCRC059	29	30	2350	18800	1.88	0.235
TCRC059	30	31	5010	16800	1.6799999	0.50099999
TCRC059	31	32	3190	7160	0.71600002	0.31900001

TCRC059	32	34	16550	18700	1.87	1.655
TCRC059	34	38	6370	8530	0.85299999	0.63700002
TCRC059	38	41	3450	5620	0.56199998	0.345
TCRC059	41	42	3960	19600	1.96	0.396
TCRC059	42	43	2820	19400	1.9400001	0.28200001
TCRC059	43	47	2920	5810	0.58099997	0.292
TCRC059	47	51	8990	10400	1.04	0.89899999
TCRC059	51	55	8810	9680	0.96799999	0.88099998
TCRC059	55	59	2810	6390	0.639	0.28099999
TCRC059	59	60	2460	11000	1.1	0.24600001
TCRC059	60	61	1730	11100	1.11	0.17299999
TCRC059	61	62	1590	9840	0.98400003	0.15899999
TCRC059	62	63	1410	5840	0.58399999	0.141
TCRC059	63	64	1900	12200	1.22	0.19
TCRC059	64	66	1590	4250	0.42500001	0.15899999
TCRC059	69	73	1080	7370	0.73699999	0.108
TCRC059	73	77	1660	4100	0.41	0.16599999
TCRC059	77	81	1760	4830	0.48300001	0.176
TCRC059	81	85	1230	3820	0.382	0.123
TCRC059	85	90	830	7210	0.72100002	8.30E-02
TCRC060	0	4	150	600	6.00E-02	0.015
TCRC060	4	8	360	1190	0.119	3.60E-02
TCRC060	8	12	640	1580	0.15800001	6.40E-02
TCRC060	12	16	1000	1040	0.104	0.1
TCRC060	16	20	1950	1700	0.17	0.19499999
TCRC060	20	24	2660	5290	0.52899998	0.266
TCRC060	24	28	4100	5150	0.51499999	0.41
TCRC060	28	32	13650	16400	1.64	1.365
TCRC060	32	36	12850	12600	1.26	1.285
TCRC060	36	40	10850	11800	1.1799999	1.085
TCRC060	40	44	5910	7040	0.704	0.59100002
TCRC060	44	48	2440	3660	0.366	0.244
TCRC060	48	52	2080	3900	0.38999999	0.208
TCRC060	52	56	1410	2780	0.278	0.141
TCRC060	56	58	1650	3450	0.345	0.16500001
TCRC060	58	59	2330	5710	0.57099998	0.233
TCRC060	59	60	1860	12900	1.29	0.186
TCRC060	60	61	1990	13000	1.3	0.199
TCRC060	61	63	2970	5830	0.583	0.29699999
TCRC060	63	65	2270	11100	1.11	0.227
TCRC060	65	67	2440	5710	0.57099998	0.244
TCRC060	67	68	720	23200	2.3199999	7.20E-02
TCRC060	68	70	660	19000	1.9	0.066
TCRC060	70	72	520	4830	0.48300001	5.20E-02
TCRC061	1	5	180	710	7.10E-02	1.80E-02
TCRC061	5	9	180	680	6.80E-02	1.80E-02
TCRC061	9	13	40	470	4.70E-02	4.00E-03
TCRC061	13	17	40	700	0.07	4.00E-03
TCRC061	17	21	30	760	7.60E-02	0.003
TCRC061	21	25	20	740	7.40E-02	2.00E-03
TCRC061	25	29	30	790	7.90E-02	0.003
TCRC061	29	33	30	2220	0.222	0.003
TCRC061	33	35	10	1870	0.18700001	0.001
TCRC061	35	36	50	34000	3.4000001	5.00E-03
TCRC061	36	37	20	16200	1.62	2.00E-03
TCRC061	37	38	60	19400	1.9400001	6.00E-03
TCRC061	38	39	10	69800	6.98	0.001
TCRC061	39	40	20	40300	4.0300002	2.00E-03
TCRC061	40	43	-10	5580	0.55800003	-0.001
TCRC061	43	47	10	3610	0.361	0.001
TCRC061	47	51	80	7060	0.70599997	8.00E-03
TCRC061	51	55	70	5840	0.58399999	7.00E-03
TCRC061	55	60	80	16500	1.65	8.00E-03

TCRC061	60	61	20	28100	2.8099999	2.00E-03
TCRC061	61	62	30	22900	2.29	0.003
TCRC061	62	63	30	17200	1.72	0.003
TCRC061	63	64	30	33800	3.3800001	0.003
TCRC061	64	65	60	16000	1.6	6.00E-03
TCRC061	65	66	30	10700	1.0700001	0.003
TCRC061	66	67	60	17000	1.7	6.00E-03
TCRC061	67	68	80	27700	2.77	8.00E-03
TCRC061	68	69	170	59800	5.98	1.70E-02
TCRC061	69	70	30	29900	2.99	0.003
TCRC061	70	71	50	34400	3.4400001	5.00E-03
TCRC061	71	72	80	19700	1.97	8.00E-03
TCRC061	72	73	200	15100	1.51	0.02
TCRC061	73	77	160	6470	0.64700001	1.60E-02
TCRC061	77	81	220	3770	0.377	0.022
TCRC061	81	85	220	2410	0.241	0.022
TCRC061	85	90	230	1410	0.141	0.023
TCRC062	0	4	80	430	4.30E-02	8.00E-03
TCRC062	4	8	240	680	6.80E-02	0.024
TCRC062	8	12	300	620	6.20E-02	3.00E-02
TCRC062	12	16	690	1290	0.12899999	6.90E-02
TCRC062	16	20	130	680	6.80E-02	0.013
TCRC062	20	24	170	980	9.80E-02	1.70E-02
TCRC062	24	28	120	660	0.066	0.012
TCRC062	28	32	390	1070	0.107	3.90E-02
TCRC062	32	36	830	2460	0.24600001	8.30E-02
TCRC062	36	40	290	1550	0.155	2.90E-02
TCRC062	40	44	280	1410	0.141	2.80E-02
TCRC062	44	48	550	3630	0.36300001	0.055
TCRC062	48	49	130	24100	2.4100001	0.013
TCRC062	49	50	140	31700	3.1700001	0.014
TCRC062	50	51	190	19200	1.92	1.90E-02
TCRC062	51	52	40	12900	1.29	4.00E-03
TCRC062	52	53	10	3640	0.36399999	0.001
TCRC062	53	54	10	7040	0.704	0.001
TCRC062	54	58	20	1340	0.134	2.00E-03
TCRC062	58	62	10	890	8.90E-02	0.001
TCRC062	62	66	10	2180	0.21799999	0.001
TCRC062	66	70	-10	510	5.10E-02	-0.001
TCRC062	70	74	-10	780	7.80E-02	-0.001
TCRC062	74	78	20	3160	0.31600001	2.00E-03
TCRC062	78	81	20	2520	0.252	2.00E-03
TCRC063	0	4	80	390	3.90E-02	8.00E-03
TCRC063	4	8	150	600	6.00E-02	0.015
TCRC063	8	12	280	800	8.00E-02	2.80E-02
TCRC063	12	16	200	840	8.40E-02	0.02
TCRC063	16	20	90	560	5.60E-02	9.00E-03
TCRC063	20	24	190	830	8.30E-02	1.90E-02
TCRC063	24	28	40	670	6.70E-02	4.00E-03
TCRC063	28	32	40	1290	0.12899999	4.00E-03
TCRC063	32	36	90	1690	0.169	9.00E-03
TCRC063	36	40	100	2310	0.23100001	1.00E-02
TCRC063	40	41	40	4200	0.41999999	4.00E-03
TCRC063	41	42	20	28500	2.8499999	2.00E-03
TCRC063	42	43	20	3410	0.34099999	2.00E-03
TCRC063	43	47	30	1980	0.198	0.003
TCRC063	47	51	20	2460	0.24600001	2.00E-03
TCRC063	51	55	140	2410	0.241	0.014
TCRC063	55	59	120	1550	0.155	0.012
TCRC063	59	63	130	840	8.40E-02	0.013
TCRC063	63	67	120	720	7.20E-02	0.012
TCRC063	67	71	230	1590	0.15899999	0.023
TCRC063	71	75	300	2880	0.28799999	3.00E-02

TCRC063	75	79	290	2380	0.23800001	2.90E-02
TCRC063	79	83	220	1230	0.123	0.022
TCRC063	83	87	210	1730	0.17299999	0.021
TCRC063	87	90	510	2350	0.235	5.10E-02
TCRC064	0	4	160	160	1.60E-02	1.60E-02
TCRC064	4	8	420	320	3.20E-02	4.20E-02
TCRC064	8	12	30	30	0.003	0.003
TCRC064	12	16	30	30	0.003	0.003
TCRC064	16	20	20	10	0.001	2.00E-03
TCRC064	20	24	10	20	2.00E-03	0.001
TCRC064	24	28	10	50	5.00E-03	0.001
TCRC064	28	32	20	10	0.001	2.00E-03
TCRC064	32	36	20	20	2.00E-03	2.00E-03
TCRC064	36	40	10	20	2.00E-03	0.001
TCRC064	40	44	20	20	2.00E-03	2.00E-03
TCRC064	44	48	20	40	4.00E-03	2.00E-03
TCRC064	48	52	20	20	2.00E-03	2.00E-03
TCRC064	52	56	10	10	0.001	0.001
TCRC064	56	60	10	20	2.00E-03	0.001
TCRC064	60	64	10	10	0.001	0.001
TCRC064	64	69	1930	560	5.60E-02	0.193
TCRC065	1	5	460	270	2.70E-02	0.046
TCRC065	5	9	450	330	0.033	4.50E-02
TCRC065	9	13	450	400	4.00E-02	4.50E-02
TCRC065	13	17	240	380	3.80E-02	0.024
TCRC065	17	21	260	380	3.80E-02	2.60E-02
TCRC065	21	25	100	330	0.033	1.00E-02
TCRC065	25	29	90	240	0.024	9.00E-03
TCRC065	29	33	70	90	9.00E-03	7.00E-03
TCRC065	33	37	20	20	2.00E-03	2.00E-03
TCRC065	37	41	20	20	2.00E-03	2.00E-03
TCRC065	41	45	10	40	4.00E-03	0.001
TCRC065	45	49	1600	470	4.70E-02	0.16
TCRC065	49	53	10	10	0.001	0.001
TCRC065	53	57	-10	10	0.001	-0.001
TCRC065	57	60	10	10	0.001	0.001
TCRC066	1	4	10	10	0.001	0.001
TCRC066	4	8	700	370	0.037	0.07
TCRC066	8	12	390	330	0.033	3.90E-02
TCRC066	12	16	850	420	4.20E-02	8.50E-02
TCRC066	16	20	1180	330	0.033	0.118
TCRC066	20	24	590	350	0.035	0.059
TCRC066	24	28	600	350	0.035	6.00E-02
TCRC066	28	32	300	370	0.037	3.00E-02
TCRC066	32	36	200	430	4.30E-02	0.02
TCRC066	36	40	170	490	4.90E-02	1.70E-02
TCRC066	40	44	260	420	4.20E-02	2.60E-02
TCRC066	44	48	150	230	0.023	0.015
TCRC066	48	52	90	340	3.40E-02	9.00E-03
TCRC066	52	56	60	110	0.011	6.00E-03
TCRC066	56	60	30	30	0.003	0.003
TCRC067	1	4	1070	400	4.00E-02	0.107
TCRC067	4	8	380	230	0.023	3.80E-02
TCRC067	8	12	480	310	3.10E-02	0.048
TCRC067	12	16	170	190	1.90E-02	1.70E-02
TCRC067	16	20	240	290	2.90E-02	0.024
TCRC067	20	24	2360	650	6.50E-02	0.236
TCRC067	24	28	1660	470	4.70E-02	0.16599999
TCRC067	28	32	980	440	0.044	9.80E-02
TCRC067	32	36	1270	430	4.30E-02	0.127
TCRC067	36	40	860	580	5.80E-02	8.60E-02
TCRC067	40	44	300	600	6.00E-02	3.00E-02
TCRC067	44	48	270	570	0.057	2.70E-02

TCRC067	48	52	330	550	0.055	0.033
TCRC067	52	56	340	490	4.90E-02	3.40E-02
TCRC067	56	60	240	410	4.10E-02	0.024
TCRC068	0	1	20	10	0.001	2.00E-03
TCRC068	1	4	420	280	2.80E-02	4.20E-02
TCRC068	4	8	190	390	3.90E-02	1.90E-02
TCRC068	8	12	770	990	9.90E-02	0.077
TCRC068	12	16	950	1000	0.1	9.50E-02
TCRC068	16	20	1410	1460	0.146	0.141
TCRC068	20	24	1400	800	8.00E-02	0.14
TCRC068	24	28	530	460	0.046	5.30E-02
TCRC068	28	32	450	410	4.10E-02	4.50E-02
TCRC068	32	36	460	370	0.037	0.046
TCRC068	36	40	260	410	4.10E-02	2.60E-02
TCRC068	40	44	310	540	5.40E-02	3.10E-02
TCRC068	44	47	370	1040	0.104	0.037
TCRC068	47	50	220	650	6.50E-02	0.022
TCRC069	0	1	210	610	6.10E-02	0.021
TCRC069	1	4	80	270	2.70E-02	8.00E-03
TCRC069	4	8	1030	980	9.80E-02	0.103
TCRC069	8	12	40	970	9.70E-02	4.00E-03
TCRC069	12	16	20	510	5.10E-02	2.00E-03
TCRC069	16	20	30	470	4.70E-02	0.003
TCRC069	20	24	10	450	4.50E-02	0.001
TCRC069	24	28	30	710	7.10E-02	0.003
TCRC069	28	32	70	1180	0.118	7.00E-03
TCRC069	32	36	40	1320	0.132	4.00E-03
TCRC069	36	40	20	1230	0.123	2.00E-03
TCRC069	40	44	-10	910	9.10E-02	-0.001
TCRC069	44	47	-10	380	3.80E-02	-0.001
TCRC069	47	50	10	380	3.80E-02	0.001
TCRC070	0	1	210	1670	0.167	0.021
TCRC070	1	4	960	2480	0.248	9.60E-02
TCRC070	4	7	440	1000	0.1	0.044
TCRC070	7	10	220	1640	0.164	0.022
TCRC070	10	11	1050	37900	3.79	0.105
TCRC070	11	12	310	5930	0.59299999	3.10E-02
TCRC070	12	13	540	3250	0.32499999	5.40E-02
TCRC070	13	16	910	3240	0.324	9.10E-02
TCRC070	16	20	320	940	9.40E-02	3.20E-02
TCRC070	20	24	450	780	7.80E-02	4.50E-02
TCRC070	24	27	950	1580	0.15800001	9.50E-02
TCRC070	27	28	3100	85000	8.5	0.31
TCRC070	28	32	1810	2120	0.212	0.18099999
TCRC070	32	36	430	1060	0.106	4.30E-02
TCRC070	36	40	790	1260	0.126	7.90E-02
TCRC070	40	44	560	640	6.40E-02	5.60E-02
TCRC070	44	48	820	610	6.10E-02	8.20E-02
TCRC070	48	52	2570	1070	0.107	0.257
TCRC070	52	56	70	70	7.00E-03	7.00E-03
TCRC070	56	60	10	20	2.00E-03	0.001
TCRC070	60	63	10	10	0.001	0.001
TCRC071	1	4	590	790	7.90E-02	0.059
TCRC071	4	8	200	500	5.00E-02	0.02
TCRC071	8	12	170	790	7.90E-02	1.70E-02
TCRC071	12	15	110	1100	0.11	0.011
TCRC071	15	16	70	3770	0.377	7.00E-03
TCRC071	16	17	70	39600	3.96	7.00E-03
TCRC071	17	18	380	99500	9.9499998	3.80E-02
TCRC071	18	22	150	990	9.90E-02	0.015
TCRC071	22	26	190	850	8.50E-02	1.90E-02
TCRC071	26	27	60	61200	6.1199999	6.00E-03
TCRC071	27	28	60	78000	7.8000002	6.00E-03

TCRC071	28	29	30	17700	1.77	0.003
TCRC071	29	31	20	2460	0.24600001	2.00E-03
TCRC071	31	32	20	1720	0.17200001	2.00E-03
TCRC071	32	33	30	53700	5.3699999	0.003
TCRC071	33	34	30	34400	3.4400001	0.003
TCRC071	34	35	20	22300	2.23	2.00E-03
TCRC071	35	36	50	45700	4.5700002	5.00E-03
TCRC071	36	37	30	41500	4.1500001	0.003
TCRC071	37	38	30	40100	4.0100002	0.003
TCRC071	38	39	30	59900	5.9899998	0.003
TCRC071	39	40	30	43500	4.3499999	0.003
TCRC071	40	42	10	29500	2.95	0.001
TCRC071	42	44	20	40900	4.0900002	2.00E-03
TCRC071	44	46	20	4530	0.45300001	2.00E-03
TCRC071	46	50	1170	13700	1.37	0.117
TCRC071	50	53	780	1130	0.113	7.80E-02
TCRC071	53	56	950	1630	0.163	9.50E-02
TCRC071	56	59	530	2420	0.242	5.30E-02
TCRC071	59	60	310	8340	0.83399999	3.10E-02
TCRC071	60	64	170	2820	0.28200001	1.70E-02
TCRC071	64	68	670	11800	1.1799999	6.70E-02
TCRC071	68	72	420	20500	2.05	4.20E-02
TCRC071	72	76	240	8340	0.83399999	0.024
TCRC071	76	77	300	11800	1.1799999	3.00E-02
TCRC071	77	80	280	7750	0.77499998	2.80E-02
TCRC071	80	83	170	3430	0.34299999	1.70E-02
TCRC071	83	86	320	1940	0.19400001	3.20E-02
TCRC072	0	4	30	100	1.00E-02	0.003
TCRC072	4	8	250	200	0.02	0.025
TCRC072	8	12	10	50	5.00E-03	0.001
TCRC072	12	16	10	30	0.003	0.001
TCRC072	16	20	20	50	5.00E-03	2.00E-03
TCRC072	20	24	30	40	4.00E-03	0.003
TCRC072	24	28	40	30	0.003	4.00E-03
TCRC072	28	32	30	50	5.00E-03	0.003
TCRC072	32	36	40	50	5.00E-03	4.00E-03
TCRC072	36	40	30	270	2.70E-02	0.003
TCRC072	40	44	30	50	5.00E-03	0.003
TCRC072	44	48	30	80	8.00E-03	0.003
TCRC072	48	52	60	260	2.60E-02	6.00E-03
TCRC072	52	56	100	480	0.048	1.00E-02
TCRC072	56	60	140	600	6.00E-02	0.014
TCRC072	60	64	120	570	0.057	0.012
TCRC072	64	68	150	10	0.001	0.015
TCRC072	68	72	230	20	2.00E-03	0.023
TCRC072	72	76	490	730	7.30E-02	4.90E-02
TCRC072	76	80	810	1810	0.18099999	0.081
TCRC072	80	84	450	710	7.10E-02	4.50E-02
TCRC073	0	4	3070	2200	0.22	0.30700001
TCRC073	4	8	210	470	4.70E-02	0.021
TCRC073	8	12	130	430	4.30E-02	0.013
TCRC073	12	16	120	550	0.055	0.012
TCRC073	16	20	190	1390	0.139	1.90E-02
TCRC073	20	24	240	2360	0.236	0.024
TCRC073	24	28	260	1320	0.132	2.60E-02
TCRC073	28	32	390	1130	0.113	3.90E-02
TCRC073	32	36	540	1580	0.15800001	5.40E-02
TCRC073	36	40	450	2410	0.241	4.50E-02
TCRC073	40	44	320	1280	0.12800001	3.20E-02
TCRC073	44	48	150	1960	0.19599999	0.015
TCRC073	48	52	160	1060	0.106	1.60E-02
TCRC073	52	56	90	3070	0.30700001	9.00E-03
TCRC073	56	60	90	3000	0.30000001	9.00E-03

TCRC073	60	64	150	1230	0.123	0.015
TCRC073	64	68	200	1210	0.121	0.02
TCRC073	68	72	230	1900	0.19	0.023
TCRC073	72	75	160	2450	0.245	1.60E-02
TCRC074	1	4	260	410	4.10E-02	2.60E-02
TCRC074	4	8	180	280	2.80E-02	1.80E-02
TCRC074	8	12	240	260	2.60E-02	0.024
TCRC074	12	16	170	220	0.022	1.70E-02
TCRC074	16	20	190	320	3.20E-02	1.90E-02
TCRC074	20	24	210	340	3.40E-02	0.021
TCRC074	24	28	180	480	0.048	1.80E-02
TCRC074	28	32	220	550	0.055	0.022
TCRC074	32	36	220	520	5.20E-02	0.022
TCRC074	36	40	190	180	1.80E-02	1.90E-02
TCRC074	40	44	180	630	6.30E-02	1.80E-02
TCRC074	44	48	240	110	0.011	0.024
TCRC074	48	52	250	80	8.00E-03	0.025
TCRC074	52	56	200	50	5.00E-03	0.02
TCRC074	56	60	240	120	0.012	0.024
TCRC074	60	64	250	220	0.022	0.025
TCRC074	64	68	270	130	0.013	2.70E-02
TCRC074	68	72	270	90	9.00E-03	2.70E-02
TCRC074	72	75	310	180	1.80E-02	3.10E-02
TCRC075	0	4	310	370	0.037	3.10E-02
TCRC075	4	8	260	410	4.10E-02	2.60E-02
TCRC075	8	12	290	370	0.037	2.90E-02
TCRC075	12	16	310	340	3.40E-02	3.10E-02
TCRC075	16	20	290	200	0.02	2.90E-02
TCRC075	20	24	350	360	3.60E-02	0.035
TCRC075	24	28	290	380	3.80E-02	2.90E-02
TCRC075	28	32	250	350	0.035	0.025
TCRC075	32	36	160	590	0.059	1.60E-02
TCRC075	36	40	220	790	7.90E-02	0.022
TCRC075	40	44	180	840	8.40E-02	1.80E-02
TCRC075	44	48	120	600	6.00E-02	0.012
TCRC075	48	52	70	310	3.10E-02	7.00E-03
TCRC075	52	56	30	150	0.015	0.003
TCRC075	56	60	40	90	9.00E-03	4.00E-03
TCRC075	60	64	50	40	4.00E-03	5.00E-03
TCRC075	64	68	50	50	5.00E-03	5.00E-03
TCRC075	68	72	30	60	6.00E-03	0.003
TCRC075	72	75	50	70	7.00E-03	5.00E-03
TCRC076	0	4	740	3980	0.398	7.40E-02
TCRC076	4	8	380	4030	0.403	3.80E-02
TCRC076	8	12	190	3050	0.30500001	1.90E-02
TCRC076	12	16	120	5040	0.50400001	0.012
TCRC076	16	20	60	700	0.07	6.00E-03
TCRC076	20	24	20	30	0.003	2.00E-03
TCRC076	24	28	20	300	3.00E-02	2.00E-03
TCRC076	28	32	40	240	0.024	4.00E-03
TCRC076	32	36	310	2450	0.245	3.10E-02
TCRC076	36	40	480	1640	0.164	0.048
TCRC076	40	44	420	210	0.021	4.20E-02
TCRC076	44	48	390	70	7.00E-03	3.90E-02
TCRC076	48	52	410	70	7.00E-03	4.10E-02
TCRC076	52	56	400	40	4.00E-03	4.00E-02
TCRC076	56	60	400	30	0.003	4.00E-02
TCRC076	60	66	240	20	2.00E-03	0.024
TCRC076	66	70	240	20	2.00E-03	0.024
TCRC076	70	76	270	20	2.00E-03	2.70E-02
TCRC076	76	80	240	30	0.003	0.024
TCRC076	80	84	100	30	0.003	1.00E-02
TCRC076	84	88	60	30	0.003	6.00E-03

TCRC076	88	90	40	70	7.00E-03	4.00E-03
TCRC077	0	4	80	330	0.033	8.00E-03
TCRC077	4	8	30	220	0.022	0.003
TCRC077	8	12	30	180	1.80E-02	0.003
TCRC077	12	16	20	70	7.00E-03	2.00E-03
TCRC077	16	20	20	30	0.003	2.00E-03
TCRC077	20	24	10	20	2.00E-03	0.001
TCRC077	24	28	20	10	0.001	2.00E-03
TCRC077	28	32	10	70	7.00E-03	0.001
TCRC077	32	36	10	10	0.001	0.001
TCRC077	36	40	20	10	0.001	2.00E-03
TCRC077	40	44	10	10	0.001	0.001
TCRC077	44	48	20	20	2.00E-03	2.00E-03
TCRC077	48	50	40	40	4.00E-03	4.00E-03
TCRC078	1	4	380	1070	0.107	3.80E-02
TCRC078	4	8	80	230	0.023	8.00E-03
TCRC078	8	12	90	180	1.80E-02	9.00E-03
TCRC078	12	16	70	90	9.00E-03	7.00E-03
TCRC078	16	20	50	80	8.00E-03	5.00E-03
TCRC078	20	24	40	150	0.015	4.00E-03
TCRC078	24	28	100	50	5.00E-03	1.00E-02
TCRC078	28	32	70	30	0.003	7.00E-03
TCRC078	32	36	140	20	2.00E-03	0.014
TCRC078	36	40	50	10	0.001	5.00E-03
TCRC078	40	42	90	10	0.001	9.00E-03
TCRC079	0	4	200	150	0.015	0.02
TCRC079	4	8	60	10	0.001	6.00E-03
TCRC079	8	12	60	10	0.001	6.00E-03
TCRC079	12	16	90	-10	-0.001	9.00E-03
TCRC079	16	20	80	-10	-0.001	8.00E-03
TCRC079	20	24	130	30	0.003	0.013
TCRC079	24	28	170	10	0.001	1.70E-02
TCRC079	28	32	180	10	0.001	1.80E-02
TCRC079	32	36	60	10	0.001	6.00E-03
TCRC079	36	40	50	10	0.001	5.00E-03
TCRC079	40	42	40	40	4.00E-03	4.00E-03
TCRC080	0	4	170	120	0.012	1.70E-02
TCRC080	4	8	90	10	0.001	9.00E-03
TCRC080	8	12	90	10	0.001	9.00E-03
TCRC080	12	16	90	-10	-0.001	9.00E-03
TCRC080	16	20	80	-10	-0.001	8.00E-03
TCRC080	20	24	70	-10	-0.001	7.00E-03
TCRC080	24	28	60	-10	-0.001	6.00E-03
TCRC080	28	32	60	130	0.013	6.00E-03
TCRC080	32	36	60	60	6.00E-03	6.00E-03
TCRC080	36	40	50	40	4.00E-03	5.00E-03
TCRC080	40	42	50	40	4.00E-03	5.00E-03
TCRC081	0	4	220	90	9.00E-03	0.022
TCRC081	4	8	50	20	2.00E-03	5.00E-03
TCRC081	8	12	60	10	0.001	6.00E-03
TCRC081	12	16	60	60	6.00E-03	6.00E-03
TCRC081	16	20	80	70	7.00E-03	8.00E-03
TCRC081	20	24	80	30	0.003	8.00E-03
TCRC081	24	28	170	20	2.00E-03	1.70E-02
TCRC081	28	32	210	50	5.00E-03	0.021
TCRC081	32	36	300	80	8.00E-03	3.00E-02
TCRC081	36	40	290	60	6.00E-03	2.90E-02
TCRC081	40	45	200	30	0.003	0.02
TCRC082	0	4	270	130	0.013	2.70E-02
TCRC082	4	8	290	150	0.015	2.90E-02
TCRC082	8	12	60	30	0.003	6.00E-03
TCRC082	12	16	60	30	0.003	6.00E-03
TCRC082	16	20	40	20	2.00E-03	4.00E-03

TCRC082	20	24	50	20	2.00E-03	5.00E-03
TCRC082	24	28	40	10	0.001	4.00E-03
TCRC082	28	32	30	20	2.00E-03	0.003
TCRC082	32	36	20	10	0.001	2.00E-03
TCRC083	0	4	530	350	0.035	5.30E-02
TCRC083	4	8	30	30	0.003	0.003
TCRC083	8	12	10	20	2.00E-03	0.001
TCRC083	12	16	20	10	0.001	2.00E-03
TCRC083	16	20	20	20	2.00E-03	2.00E-03
TCRC083	20	24	40	80	8.00E-03	4.00E-03
TCRC083	24	28	50	90	9.00E-03	5.00E-03
TCRC083	28	32	30	20	2.00E-03	0.003
TCRC083	32	36	40	40	4.00E-03	4.00E-03
TCRC084	0	4	80	210	0.021	8.00E-03
TCRC084	4	8	50	210	0.021	5.00E-03
TCRC084	8	12	90	190	1.90E-02	9.00E-03
TCRC084	12	16	70	20	2.00E-03	7.00E-03
TCRC084	16	20	50	10	0.001	5.00E-03
TCRC084	20	24	30	10	0.001	0.003
TCRC084	24	28	30	10	0.001	0.003
TCRC084	28	32	30	10	0.001	0.003
TCRC084	32	36	20	20	2.00E-03	2.00E-03
TCRC085	0	4	70	270	2.70E-02	7.00E-03
TCRC085	4	8	160	340	3.40E-02	1.60E-02
TCRC085	8	12	170	360	3.60E-02	1.70E-02
TCRC085	12	16	250	430	4.30E-02	0.025
TCRC085	16	20	380	810	0.081	3.80E-02
TCRC085	20	24	160	930	9.30E-02	1.60E-02
TCRC085	24	28	140	1580	0.15800001	0.014
TCRC085	28	32	360	2070	0.207	3.60E-02
TCRC085	32	36	210	1320	0.132	0.021
TCRC085	36	39	250	1270	0.127	0.025
TCRC085	39	42	530	3080	0.308	5.30E-02
TCRC085	42	45	1750	5490	0.54900002	0.175
TCRC085	45	48	3780	6360	0.63599998	0.37799999
TCRC085	48	49	880	4150	0.41499999	0.088
TCRC085	49	50	2640	8250	0.82499999	0.264
TCRC085	50	53	2000	4210	0.421	0.2
TCRC085	53	56	850	1550	0.155	8.50E-02
TCRC085	56	60	3320	4740	0.47400001	0.33199999
TCRC086	0	4	190	520	5.20E-02	1.90E-02
TCRC086	4	8	250	620	6.20E-02	0.025
TCRC086	8	12	160	490	4.90E-02	1.60E-02
TCRC086	12	16	180	520	5.20E-02	1.80E-02
TCRC086	16	20	520	680	6.80E-02	5.20E-02
TCRC086	20	24	190	710	7.10E-02	1.90E-02
TCRC086	24	28	420	860	8.60E-02	4.20E-02
TCRC086	28	32	1890	2550	0.255	0.189
TCRC086	32	36	150	1470	0.147	0.015
TCRC086	36	40	170	1410	0.141	1.70E-02
TCRC086	40	44	200	1550	0.155	0.02
TCRC086	44	48	340	2090	0.20900001	3.40E-02
TCRC086	48	52	330	2600	0.25999999	0.033
TCRC086	52	56	400	2720	0.27200001	4.00E-02
TCRC086	56	60	490	3650	0.36500001	4.90E-02
TCRC087	0	3	70	450	4.50E-02	7.00E-03
TCRC087	6	10	460	3130	0.31299999	0.046
TCRC087	10	14	210	690	6.90E-02	0.021
TCRC087	14	18	190	580	5.80E-02	1.90E-02
TCRC087	18	22	430	980	9.80E-02	4.30E-02
TCRC087	22	26	310	730	7.30E-02	3.10E-02
TCRC087	26	30	280	1120	0.112	2.80E-02
TCRC087	30	34	380	1850	0.185	3.80E-02

TCRC087	34	38	310	2000	0.2	3.10E-02
TCRC087	38	42	530	3360	0.336	5.30E-02
TCRC087	42	46	460	1960	0.19599999	0.046
TCRC087	46	50	540	5860	0.58600003	5.40E-02
TCRC087	50	54	440	2700	0.27000001	0.044
TCRC087	57	61	830	4150	0.41499999	8.30E-02
TCRC087	61	62	940	6300	0.63	9.40E-02
TCRC087	62	63	310	3220	0.322	3.10E-02
TCRC087	63	65	520	2220	0.222	5.20E-02
TCRC087	65	66	1660	5750	0.57499999	0.16599999
TCRC087	66	68	1230	4980	0.498	0.123
TCRC087	68	69	1420	11800	1.1799999	0.142
TCRC087	70	71	930	4760	0.47600001	9.30E-02
TCRC087	71	72	1240	8060	0.80599999	0.124
TCRC087	72	73	910	5140	0.514	9.10E-02
TCRC087	73	74	680	4860	0.486	6.80E-02
TCRC087	74	75	1240	8120	0.81199998	0.124
TCRC087	75	76	1080	7600	0.75999999	0.108
TCRC087	76	77	910	41800	4.1799998	9.10E-02
TCRC087	77	78	1050	8490	0.84899998	0.105
TCRC087	78	79	1330	8480	0.84799999	0.133
TCRC087	80	81	670	4850	0.48500001	6.70E-02
TCRC088	0	3	180	460	0.046	1.80E-02
TCRC088	5	9	130	660	0.066	0.013
TCRC088	9	13	70	440	0.044	7.00E-03
TCRC088	13	17	160	380	3.80E-02	1.60E-02
TCRC088	17	21	210	310	3.10E-02	0.021
TCRC088	21	25	370	870	8.70E-02	0.037
TCRC088	25	29	200	790	7.90E-02	0.02
TCRC088	29	33	350	770	0.077	0.035
TCRC088	33	37	230	750	7.50E-02	0.023
TCRC088	37	41	330	1030	0.103	0.033
TCRC088	41	45	80	270	2.70E-02	8.00E-03
TCRC088	45	49	190	320	3.20E-02	1.90E-02
TCRC088	49	53	190	1410	0.141	1.90E-02
TCRC088	53	57	160	30	0.003	1.60E-02
TCRC088	57	60	150	-10	-0.001	0.015
TCRC088	60	63	560	990	9.90E-02	5.60E-02
TCRC088	63	66	150	1070	0.107	0.015
TCRC089	2	3	60	330	0.033	6.00E-03
TCRC089	7	11	70	400	4.00E-02	7.00E-03
TCRC089	11	15	90	580	5.80E-02	9.00E-03
TCRC089	15	19	170	510	5.10E-02	1.70E-02
TCRC089	19	23	110	430	4.30E-02	0.011
TCRC089	23	27	180	450	4.50E-02	1.80E-02
TCRC089	27	31	330	620	6.20E-02	0.033
TCRC089	31	35	140	540	5.40E-02	0.014
TCRC089	35	39	160	700	0.07	1.60E-02
TCRC089	39	43	190	800	8.00E-02	1.90E-02
TCRC089	43	47	150	980	9.80E-02	0.015
TCRC089	47	51	160	870	8.70E-02	1.60E-02
TCRC089	51	54	150	840	8.40E-02	0.015
TCRC089	54	57	220	980	9.80E-02	0.022
TCRC090	0	4	200	1360	0.13600001	0.02
TCRC090	4	8	60	1480	0.148	6.00E-03
TCRC090	8	12	50	1150	0.115	5.00E-03
TCRC090	12	16	80	1100	0.11	8.00E-03
TCRC090	16	21	110	2950	0.29499999	0.011
TCRC090	21	22	110	14500	1.45	0.011
TCRC090	22	23	100	23000	2.3	1.00E-02
TCRC090	23	24	140	27900	2.79	0.014
TCRC090	24	25	240	31300	3.1300001	0.024
TCRC090	25	27	190	16200	1.62	1.90E-02

TCRC090	27	29	20	5720	0.57200003	2.00E-03
TCRC090	29	30	230	59900	5.9899998	0.023
TCRC090	30	31	450	138500	13.85	4.50E-02
TCRC090	31	32	490	163000	16.299999	4.90E-02
TCRC090	32	33	220	85800	8.5799999	0.022
TCRC090	33	34	230	47300	4.73	0.023
TCRC090	34	35	770	61100	6.1100001	0.077
TCRC090	35	36	300	11900	1.1900001	3.00E-02
TCRC090	36	37	420	9790	0.97899997	4.20E-02
TCRC090	37	38	490	15100	1.51	4.90E-02
TCRC090	38	39	140	12300	1.23	0.014
TCRC090	39	40	100	4120	0.412	1.00E-02
TCRC090	40	41	420	26300	2.6300001	4.20E-02
TCRC090	41	42	970	15600	1.5599999	9.70E-02
TCRC090	42	43	530	21400	2.1400001	5.30E-02
TCRC090	43	44	230	1960	0.19599999	0.023
TCRC090	44	45	300	11400	1.14	3.00E-02
TCRC090	45	46	700	49300	4.9299998	0.07
TCRC090	46	47	8130	158500	15.85	0.81300002
TCRC090	47	48	310	14100	1.41	3.10E-02
TCRC090	48	49	520	58900	5.8899999	5.20E-02
TCRC090	49	50	180	19500	1.95	1.80E-02
TCRC090	50	52	120	15400	1.54	0.012
TCRC090	52	56	770	17100	1.71	0.077
TCRC090	56	60	230	2270	0.227	0.023
TCRC090	60	64	170	480	0.048	1.70E-02
TCRC090	64	68	200	700	0.07	0.02
TCRC090	68	72	210	540	5.40E-02	0.021
TCRC090	72	75	210	440	0.044	0.021
TCRC090	75	78	250	480	0.048	0.025
TCRC090	78	81	240	280	2.80E-02	0.024
TCRC091	0	3	100	630	6.30E-02	1.00E-02
TCRC091	4	8	780	1720	0.17200001	7.80E-02
TCRC091	8	12	430	1600	0.16	4.30E-02
TCRC091	12	16	290	930	9.30E-02	2.90E-02
TCRC091	16	20	410	1350	0.13500001	4.10E-02
TCRC091	20	24	510	1570	0.15700001	5.10E-02
TCRC091	24	28	220	950	9.50E-02	0.022
TCRC091	28	32	220	1370	0.13699999	0.022
TCRC091	32	36	2030	5130	0.51300001	0.20299999
TCRC091	36	40	540	2440	0.244	5.40E-02
TCRC091	40	44	310	2040	0.204	3.10E-02
TCRC091	44	45	1360	8730	0.87300003	0.13600001
TCRC091	45	46	2250	25600	2.5599999	0.22499999
TCRC091	46	47	1580	17400	1.74	0.15800001
TCRC091	47	48	880	6170	0.61699998	0.088
TCRC091	48	52	530	2640	0.264	5.30E-02
TCRC091	52	56	270	2860	0.28600001	2.70E-02
TCRC091	56	60	340	2580	0.25799999	3.40E-02
TCRC091	60	64	570	3140	0.31400001	0.057
TCRC091	64	68	400	3080	0.308	4.00E-02
TCRC091	68	72	350	3340	0.33399999	0.035
TCRC091	72	75	820	3650	0.36500001	8.20E-02
TCRC091	75	78	5270	8400	0.83999997	0.52700001
TCRC091	78	81	570	2070	0.207	0.057
TCRC092	0	4	140	590	0.059	0.014
TCRC092	5	9	740	960	9.60E-02	7.40E-02
TCRC092	9	13	330	820	8.20E-02	0.033
TCRC092	13	17	260	820	8.20E-02	2.60E-02
TCRC092	17	21	630	1500	0.15000001	6.30E-02
TCRC092	21	25	800	1620	0.162	8.00E-02
TCRC092	25	29	1070	1740	0.17399999	0.107
TCRC092	29	33	6650	5500	0.55000001	0.66500002

TCRC092	33	37	2700	3790	0.37900001	0.27000001
TCRC092	37	41	5080	7740	0.77399999	0.50800002
TCRC092	41	45	1590	3940	0.39399999	0.15899999
TCRC092	45	49	1220	3380	0.338	0.122
TCRC092	49	53	780	2740	0.27399999	7.80E-02
TCRC092	53	57	720	2670	0.26699999	7.20E-02
TCRC092	57	60	1070	3830	0.38299999	0.107
TCRC092	60	61	590	8730	0.87300003	0.059
TCRC092	61	62	1240	12400	1.24	0.124
TCRC092	62	63	1330	28100	2.8099999	0.133
TCRC092	63	64	1210	11400	1.14	0.121
TCRC092	64	66	1630	8250	0.82499999	0.163
TCRC093	0	3	100	460	0.046	1.00E-02
TCRC093	6	10	250	740	7.40E-02	0.025
TCRC093	10	14	410	1110	0.111	4.10E-02
TCRC093	14	18	220	310	3.10E-02	0.022
TCRC093	18	22	1210	1150	0.115	0.121
TCRC093	22	26	2760	3410	0.34099999	0.27599999
TCRC093	26	30	1480	2250	0.22499999	0.148
TCRC093	30	34	530	450	4.50E-02	5.30E-02
TCRC093	34	38	2010	2080	0.208	0.20100001
TCRC093	38	42	1370	1430	0.14300001	0.13699999
TCRC093	42	46	820	890	8.90E-02	8.20E-02
TCRC093	46	48	1120	1750	0.175	0.112
TCRC093	49	53	490	1040	0.104	4.90E-02
TCRC093	53	56	1780	3060	0.30599999	0.178
TCRC093	56	57	1560	10300	1.03	0.156
TCRC093	57	58	710	2000	0.2	7.10E-02
TCRC093	58	59	850	2730	0.273	8.50E-02
TCRC093	59	60	900	3020	0.30199999	9.00E-02
TCRC093	60	64	340	1320	0.132	3.40E-02
TCRC093	64	68	170	730	7.30E-02	1.70E-02
TCRC093	68	72	490	570	0.057	4.90E-02
TCRC093	72	76	270	1940	0.19400001	2.70E-02
TCRC093	76	80	200	3030	0.303	0.02
TCRC093	80	84	200	1230	0.123	0.02
TCRC094	0	4	90	450	4.50E-02	9.00E-03
TCRC094	4	8	1110	1170	0.117	0.111
TCRC094	8	12	580	870	8.70E-02	5.80E-02
TCRC094	12	16	310	1380	0.138	3.10E-02
TCRC094	16	20	330	1160	0.116	0.033
TCRC094	20	24	840	1400	0.14	8.40E-02
TCRC094	24	28	440	1500	0.15000001	0.044
TCRC094	28	32	780	1400	0.14	7.80E-02
TCRC094	32	36	330	2170	0.21699999	0.033
TCRC094	36	40	1170	4160	0.41600001	0.117
TCRC094	40	44	1300	4170	0.417	0.13
TCRC094	44	48	610	3070	0.30700001	6.10E-02
TCRC094	48	52	240	1670	0.167	0.024
TCRC094	52	56	230	1050	0.105	0.023
TCRC094	56	60	420	1640	0.164	4.20E-02
TCRC094	60	64	1270	2120	0.212	0.127
TCRC094	64	68	4690	6490	0.64899999	0.46900001
TCRC094	68	72	2100	3580	0.35800001	0.20999999
TCRC094	72	75	1720	3260	0.32600001	0.17200001
TCRC094	75	78	890	2460	0.24600001	8.90E-02
TCRC094	78	81	520	1810	0.18099999	5.20E-02
TCRC095	0	3	120	510	5.10E-02	0.012
TCRC095	6	10	600	890	8.90E-02	6.00E-02
TCRC095	10	14	540	640	6.40E-02	5.40E-02
TCRC095	14	18	460	750	7.50E-02	0.046
TCRC095	18	22	390	1000	0.1	3.90E-02
TCRC095	22	26	320	1030	0.103	3.20E-02

TCRC095	26	30	180	1410	0.141	1.80E-02
TCRC095	30	34	260	1100	0.11	2.60E-02
TCRC095	34	38	430	1610	0.161	4.30E-02
TCRC095	38	42	580	1920	0.192	5.80E-02
TCRC095	42	46	350	1340	0.134	0.035
TCRC095	46	50	300	1510	0.15099999	3.00E-02
TCRC095	50	54	240	1190	0.119	0.024
TCRC095	54	58	150	890	8.90E-02	0.015
TCRC095	58	62	320	1850	0.185	3.20E-02
TCRC095	62	64	180	1480	0.148	1.80E-02
TCRC095	66	70	620	2260	0.226	6.20E-02
TCRC095	70	74	1010	3330	0.333	0.101
TCRC095	74	78	2710	5760	0.57599998	0.271
TCRC095	78	81	3910	8900	0.88999999	0.391
TCRC096	0	4	130	660	0.066	0.013
TCRC096	4	8	250	920	0.092	0.025
TCRC096	8	12	1040	1750	0.175	0.104
TCRC096	12	16	1110	1560	0.156	0.111
TCRC096	16	20	620	900	9.00E-02	6.20E-02
TCRC096	20	24	2100	3150	0.315	0.20999999
TCRC096	24	28	13550	10300	1.03	1.355
TCRC096	28	32	8900	6720	0.67199999	0.88999999
TCRC096	32	36	1190	1920	0.192	0.119
TCRC096	36	40	680	1690	0.169	6.80E-02
TCRC096	40	44	460	1530	0.153	0.046
TCRC096	44	48	520	2410	0.241	5.20E-02
TCRC096	48	52	260	1510	0.15099999	2.60E-02
TCRC096	52	56	260	1990	0.199	2.60E-02
TCRC096	56	58	620	2790	0.27900001	6.20E-02
TCRC096	59	63	310	1120	0.112	3.10E-02
TCRC097	0	3	130	640	6.40E-02	0.013
TCRC097	6	10	130	630	6.30E-02	0.013
TCRC097	10	14	100	510	5.10E-02	1.00E-02
TCRC097	14	18	340	640	6.40E-02	3.40E-02
TCRC097	18	22	410	640	6.40E-02	4.10E-02
TCRC097	22	26	530	1130	0.113	5.30E-02
TCRC097	26	30	800	1520	0.152	8.00E-02
TCRC097	30	34	990	1410	0.141	9.90E-02
TCRC097	34	38	510	860	8.60E-02	5.10E-02
TCRC097	38	42	580	710	7.10E-02	5.80E-02
TCRC097	42	46	810	840	8.40E-02	0.081
TCRC097	46	50	700	1180	0.118	0.07
TCRC097	50	54	370	900	9.00E-02	0.037
TCRC097	54	58	210	950	9.50E-02	0.021
TCRC097	58	63	210	1060	0.106	0.021
TCRC098	0	3	90	600	6.00E-02	9.00E-03
TCRC098	6	10	100	630	6.30E-02	1.00E-02
TCRC098	10	14	110	700	0.07	0.011
TCRC098	14	18	130	720	7.20E-02	0.013
TCRC098	18	22	200	690	6.90E-02	0.02
TCRC098	22	26	600	770	0.077	6.00E-02
TCRC098	26	30	170	740	7.40E-02	1.70E-02
TCRC098	30	34	240	1000	0.1	0.024
TCRC098	34	38	180	860	8.60E-02	1.80E-02
TCRC098	38	42	170	860	8.60E-02	1.70E-02
TCRC098	42	46	130	650	6.50E-02	0.013
TCRC098	46	50	200	1040	0.104	0.02
TCRC098	50	54	170	790	7.90E-02	1.70E-02
TCRC098	54	57	150	600	6.00E-02	0.015
TCRC098	63	66	360	1410	0.141	3.60E-02
TCRC099	0	3	90	620	6.20E-02	9.00E-03
TCRC099	7	11	130	820	8.20E-02	0.013
TCRC099	11	15	100	800	8.00E-02	1.00E-02

TCRC099	15	19	120	880	0.088	0.012
TCRC099	19	23	130	860	8.60E-02	0.013
TCRC099	23	27	130	810	0.081	0.013
TCRC099	27	31	160	710	7.10E-02	1.60E-02
TCRC099	31	35	270	630	6.30E-02	2.70E-02
TCRC099	35	39	330	630	6.30E-02	0.033
TCRC099	39	43	690	990	9.90E-02	6.90E-02
TCRC099	43	47	1100	1390	0.139	0.11
TCRC099	47	51	540	1160	0.116	5.40E-02
TCRC099	51	55	330	1340	0.134	0.033
TCRC099	55	59	190	1250	0.125	1.90E-02
TCRC099	59	63	40	290	2.90E-02	4.00E-03
TCRC100	0	3	90	680	6.80E-02	9.00E-03
TCRC100	6	10	510	790	7.90E-02	5.10E-02
TCRC100	10	14	80	180	1.80E-02	8.00E-03
TCRC100	14	18	150	230	0.023	0.015
TCRC100	18	22	160	300	3.00E-02	1.60E-02
TCRC100	22	26	150	260	2.60E-02	0.015
TCRC100	26	30	230	300	3.00E-02	0.023
TCRC100	30	34	170	250	0.025	1.70E-02
TCRC100	34	38	220	460	0.046	0.022
TCRC100	38	42	230	620	6.20E-02	0.023
TCRC100	42	45	610	1390	0.139	6.10E-02
TCRC100	45	48	500	1330	0.133	5.00E-02
TCRC100	48	51	240	910	9.10E-02	0.024
TCRC101	0	4	120	580	5.80E-02	0.012
TCRC101	4	8	100	240	0.024	1.00E-02
TCRC101	8	12	110	230	0.023	0.011
TCRC101	12	16	180	280	2.80E-02	1.80E-02
TCRC101	16	20	180	310	3.10E-02	1.80E-02
TCRC101	20	24	180	300	3.00E-02	1.80E-02
TCRC101	24	28	170	310	3.10E-02	1.70E-02
TCRC101	28	32	180	390	3.90E-02	1.80E-02
TCRC101	32	36	180	450	4.50E-02	1.80E-02
TCRC101	36	39	160	370	0.037	1.60E-02
TCRC101	39	42	160	350	0.035	1.60E-02
TCRC101	42	45	140	320	3.20E-02	0.014
TCRC102	0	3	60	370	0.037	6.00E-03
TCRC102	4	8	170	400	4.00E-02	1.70E-02
TCRC102	8	12	220	200	0.02	0.022
TCRC102	12	16	160	200	0.02	1.60E-02
TCRC102	16	20	150	220	0.022	0.015
TCRC102	20	24	140	290	2.90E-02	0.014
TCRC102	24	28	150	280	2.80E-02	0.015
TCRC102	28	32	240	510	5.10E-02	0.024
TCRC102	32	36	160	340	3.40E-02	1.60E-02
TCRC102	36	39	190	340	3.40E-02	1.90E-02
TCRC103	0	4	1410	410	4.10E-02	0.141
TCRC103	4	8	590	200	0.02	0.059
TCRC103	8	12	590	250	0.025	0.059
TCRC103	12	16	260	150	0.015	2.60E-02
TCRC103	16	20	80	90	9.00E-03	8.00E-03
TCRC103	20	24	20	-10	-0.001	2.00E-03
TCRC103	24	28	10	-10	-0.001	0.001
TCRC103	28	32	10	-10	-0.001	0.001
TCRC103	32	36	-10	-10	-0.001	-0.001
TCRC103	36	40	10	-10	-0.001	0.001
TCRC103	40	44	-10	-10	-0.001	-0.001
TCRC103	44	48	-10	-10	-0.001	-0.001
TCRC103	48	52	-10	-10	-0.001	-0.001
TCRC103	52	56	-10	40	4.00E-03	-0.001
TCRC103	56	60	10	-10	-0.001	0.001
TCRC104	0	4	860	680	6.80E-02	8.60E-02

TCRC104	4	8	530	420	4.20E-02	5.30E-02
TCRC104	8	12	540	540	5.40E-02	5.40E-02
TCRC104	12	16	1320	660	0.066	0.132
TCRC104	16	20	520	5090	0.509	5.20E-02
TCRC104	20	21	480	9530	0.95300001	0.048
TCRC104	21	22	380	9540	0.954	3.80E-02
TCRC104	22	26	390	470	4.70E-02	3.90E-02
TCRC104	26	30	570	460	0.046	0.057
TCRC104	30	34	420	530	5.30E-02	4.20E-02
TCRC104	34	38	180	650	6.50E-02	1.80E-02
TCRC104	38	42	160	540	5.40E-02	1.60E-02
TCRC104	42	46	80	110	0.011	8.00E-03
TCRC104	46	50	30	20	2.00E-03	0.003
TCRC104	50	54	10	20	2.00E-03	0.001
TCRC104	54	57	-10	10	0.001	-0.001
TCRC104	57	60	10	10	0.001	0.001
TCRC105	0	4	1560	320	3.20E-02	0.156
TCRC105	4	8	1240	500	5.00E-02	0.124
TCRC105	8	12	1790	610	6.10E-02	0.17900001
TCRC105	12	16	990	770	0.077	9.90E-02
TCRC105	16	20	130	210	0.021	0.013
TCRC105	20	24	90	240	0.024	9.00E-03
TCRC105	24	27	220	230	0.023	0.022
TCRC105	27	30	20	30	0.003	2.00E-03
TCRC106	0	4	860	1480	0.148	8.60E-02
TCRC106	4	8	910	1440	0.14399999	9.10E-02
TCRC106	8	12	880	890	8.90E-02	0.088
TCRC106	12	16	560	560	5.60E-02	5.60E-02
TCRC106	16	20	680	1000	0.1	6.80E-02
TCRC106	20	21	1010	16300	1.63	0.101
TCRC106	21	22	180	23000	2.3	1.80E-02
TCRC106	22	23	90	10000	1	9.00E-03
TCRC106	23	24	390	11000	1.1	3.90E-02
TCRC106	24	28	460	740	7.40E-02	0.046
TCRC106	28	32	880	1190	0.119	0.088
TCRC106	32	36	270	480	0.048	2.70E-02
TCRC106	36	40	490	640	6.40E-02	4.90E-02
TCRC106	40	44	690	660	0.066	6.90E-02
TCRC106	44	48	510	380	3.80E-02	5.10E-02
TCRC107	0	4	820	380	3.80E-02	8.20E-02
TCRC107	4	8	1070	430	4.30E-02	0.107
TCRC107	8	12	1500	620	6.20E-02	0.15000001
TCRC107	12	16	1280	460	0.046	0.12800001
TCRC107	16	20	2280	730	7.30E-02	0.228
TCRC107	20	24	380	280	2.80E-02	3.80E-02
TCRC107	24	27	50	180	1.80E-02	5.00E-03
TCRC107	27	30	10	130	0.013	0.001
TCRC108	0	4	90	110	0.011	9.00E-03
TCRC108	4	8	220	120	0.012	0.022
TCRC108	8	12	50	110	0.011	5.00E-03
TCRC108	12	16	50	60	6.00E-03	5.00E-03
TCRC108	16	20	20	80	8.00E-03	2.00E-03
TCRC108	20	24	20	80	8.00E-03	2.00E-03
TCRC108	24	28	30	60	6.00E-03	0.003
TCRC108	28	32	20	80	8.00E-03	2.00E-03
TCRC108	32	36	20	80	8.00E-03	2.00E-03
TCRC108	36	40	80	110	0.011	8.00E-03
TCRC108	40	44	120	90	9.00E-03	0.012
TCRC108	44	48	120	90	9.00E-03	0.012
TCRC108	48	52	60	40	4.00E-03	6.00E-03
TCRC108	52	56	50	40	4.00E-03	5.00E-03
TCRC108	56	60	20	40	4.00E-03	2.00E-03
TCRC108	60	64	80	30	0.003	8.00E-03

TCRC108	64	68	60	40	4.00E-03	6.00E-03
TCRC108	68	72	40	40	4.00E-03	4.00E-03
TCRC108	72	76	30	30	0.003	0.003
TCRC108	76	80	50	30	0.003	5.00E-03
TCRC108	80	84	40	20	2.00E-03	4.00E-03
TCRC108	84	88	40	-10	-0.001	4.00E-03
TCRC108	88	92	60	50	5.00E-03	6.00E-03
TCRC108	92	96	40	20	2.00E-03	4.00E-03
TCRC108	96	100	20	10	0.001	2.00E-03
TCRC108	100	102	20	10	0.001	2.00E-03
TCRC109	0	4	100	70	7.00E-03	1.00E-02
TCRC109	4	8	100	50	5.00E-03	1.00E-02
TCRC109	8	12	40	30	0.003	4.00E-03
TCRC109	12	16	10	10	0.001	0.001
TCRC109	16	20	10	10	0.001	0.001
TCRC109	20	24	10	10	0.001	0.001
TCRC109	24	28	10	10	0.001	0.001
TCRC109	28	32	10	10	0.001	0.001
TCRC109	32	36	10	20	2.00E-03	0.001
TCRC109	36	40	20	50	5.00E-03	2.00E-03
TCRC109	40	44	20	20	2.00E-03	2.00E-03
TCRC109	44	48	30	30	0.003	0.003
TCRC109	48	52	30	30	0.003	0.003
TCRC109	52	56	50	30	0.003	5.00E-03
TCRC109	56	60	70	20	2.00E-03	7.00E-03
TCRC109	60	64	90	90	9.00E-03	9.00E-03
TCRC109	64	68	110	360	3.60E-02	0.011
TCRC109	68	72	180	880	0.088	1.80E-02
TCRC109	72	76	220	1190	0.119	0.022
TCRC109	76	80	200	910	9.10E-02	0.02
TCRC109	80	84	2450	2810	0.28099999	0.245
TCRC109	84	88	480	840	8.40E-02	0.048
TCRC109	88	89	6580	7360	0.736	0.65799999
TCRC109	89	90	26100	16300	1.63	2.6099999
TCRC109	90	91	9100	40100	4.0100002	0.91000003
TCRC109	91	92	2420	32000	3.2	0.242
TCRC109	92	93	1820	31800	3.1800001	0.182
TCRC109	93	94	650	36700	3.6700001	6.50E-02
TCRC109	94	95	320	31700	3.1700001	3.20E-02
TCRC109	95	96	410	43900	4.3899999	4.10E-02
TCRC109	96	97	200	44700	4.4699998	0.02
TCRC109	97	98	170	41800	4.1799998	1.70E-02
TCRC109	98	99	190	40300	4.0300002	1.90E-02
TCRC109	99	100	200	45500	4.5500002	0.02
TCRC109	100	101	170	45300	4.5300002	1.70E-02
TCRC109	101	102	690	13500	1.35	6.90E-02
TCRC109	102	103	120	28500	2.8499999	0.012
TCRC109	103	104	240	66500	6.6500001	0.024
TCRC109	104	105	480	95300	9.5299997	0.048
TCRC109	105	106	580	101500	10.15	5.80E-02
TCRC109	106	107	400	55000	5.5	4.00E-02
TCRC109	107	108	110	36900	3.6900001	0.011
TCRC109	108	109	90	30800	3.0799999	9.00E-03
TCRC109	109	110	90	28900	2.8900001	9.00E-03
TCRC109	110	111	140	87400	8.7399998	0.014
TCRC109	111	112	100	31000	3.0999999	1.00E-02
TCRC109	112	113	120	28800	2.8800001	0.012
TCRC109	113	114	180	32400	3.24	1.80E-02
TCRC109	114	115	130	24200	2.4200001	0.013
TCRC109	115	116	200	32700	3.27	0.02
TCRC109	116	117	260	36600	3.6600001	2.60E-02
TCRC109	117	118	140	33400	3.3399999	0.014
TCRC109	118	119	160	59700	5.9699998	1.60E-02

TCRC109	119	120	90	19300	1.9299999	9.00E-03
TCRC109	120	121	150	43600	4.3600001	0.015
TCRC109	121	122	210	62600	6.2600002	0.021
TCRC109	122	123	290	78300	7.8299999	2.90E-02
TCRC109	123	124	100	35100	3.51	1.00E-02
TCRC109	124	125	60	66100	6.6100001	6.00E-03
TCRC109	125	126	120	80000	8	0.012
TCRC109	126	127	60	29700	2.97	6.00E-03
TCRC109	127	128	70	67300	6.73	7.00E-03
TCRC109	128	129	70	71500	7.1500001	7.00E-03
TCRC109	129	130	110	35900	3.5899999	0.011
TCRC109	130	131	110	14100	1.41	0.011
TCRC109	131	132	160	49800	4.98	1.60E-02
TCRC109	132	133	110	53700	5.3699999	0.011
TCRC109	133	134	100	40800	4.0799999	1.00E-02
TCRC109	134	135	90	21500	2.1500001	9.00E-03
TCRC109	135	139	190	24300	2.4300001	1.90E-02
TCRC109	139	143	460	35900	3.5899999	0.046
TCRC109	143	146	680	47800	4.7800002	6.80E-02
TCRC109	146	149	900	10600	1.0599999	9.00E-02
TCRC110	0	4	410	790	7.90E-02	4.10E-02
TCRC110	4	8	150	190	1.90E-02	0.015
TCRC110	8	12	20	80	8.00E-03	2.00E-03
TCRC110	12	16	10	70	7.00E-03	0.001
TCRC110	16	20	10	70	7.00E-03	0.001
TCRC110	20	24	10	40	4.00E-03	0.001
TCRC110	24	28	30	60	6.00E-03	0.003
TCRC110	28	32	40	160	1.60E-02	4.00E-03
TCRC110	32	36	60	100	1.00E-02	6.00E-03
TCRC110	36	40	80	100	1.00E-02	8.00E-03
TCRC110	40	44	80	140	0.014	8.00E-03
TCRC110	44	48	80	190	1.90E-02	8.00E-03
TCRC110	48	52	100	260	2.60E-02	1.00E-02
TCRC110	52	56	90	270	2.70E-02	9.00E-03
TCRC110	56	60	110	440	0.044	0.011
TCRC110	60	64	130	660	0.066	0.013
TCRC110	64	68	190	960	9.60E-02	1.90E-02
TCRC110	68	72	320	2200	0.22	3.20E-02
TCRC110	72	74	310	1570	0.15700001	3.10E-02
TCRC110	74	75	270	930	9.30E-02	2.70E-02
TCRC110	75	76	430	5350	0.53500003	4.30E-02
TCRC110	76	77	560	7460	0.74599999	5.60E-02
TCRC110	77	78	400	7460	0.74599999	4.00E-02
TCRC110	78	79	980	4490	0.449	9.80E-02
TCRC110	79	80	1640	7070	0.70700002	0.164
TCRC110	80	81	11850	25100	2.51	1.1849999
TCRC110	81	82	8070	53100	5.3099999	0.80699998
TCRC110	82	83	1050	38700	3.8699999	0.105
TCRC110	83	84	1070	41200	4.1199999	0.107
TCRC110	84	85	7110	32200	3.22	0.71100003
TCRC110	85	86	5250	16300	1.63	0.52499998
TCRC110	86	87	8760	13900	1.39	0.87599999
TCRC110	87	88	16800	83200	8.3199997	1.6799999
TCRC110	88	89	3190	18200	1.8200001	0.31900001
TCRC110	89	90	4950	29900	2.99	0.495
TCRC110	90	91	1400	26400	2.6400001	0.14
TCRC110	91	92	1310	34100	3.4100001	0.131
TCRC110	92	93	550	25300	2.53	0.055
TCRC110	93	94	650	23800	2.3800001	6.50E-02
TCRC110	94	95	580	14100	1.41	5.80E-02
TCRC110	95	96	510	17400	1.74	5.10E-02
TCRC110	96	97	500	25900	2.5899999	5.00E-02
TCRC110	97	98	440	22900	2.29	0.044

TCRC110	98	99	410	19700	1.97	4.10E-02
TCRC110	99	100	360	18800	1.88	3.60E-02
TCRC110	100	101	330	18500	1.85	0.033
TCRC110	101	102	400	26600	2.6600001	4.00E-02
TCRC110	102	103	390	26800	2.6800001	3.90E-02
TCRC110	103	104	410	29000	2.9000001	4.10E-02
TCRC110	104	105	410	37600	3.76	4.10E-02
TCRC110	105	106	380	57500	5.75	3.80E-02
TCRC110	106	107	250	47300	4.73	0.025
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TCRC110	108	109	360	65600	6.5599999	3.60E-02
TCRC110	109	110	270	68500	6.8499999	2.70E-02
TCRC110	110	111	290	68700	6.8699999	2.90E-02
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TCRC111	101	102	7370	66700	6.6700001	0.73699999
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TCRC112	24	28	80	180	1.80E-02	8.00E-03
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TCRC112	68	72	490	60	6.00E-03	4.90E-02
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TCRC113	43	47	70	60	6.00E-03	7.00E-03
TCRC113	47	51	10100	1250	0.125	1.01
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TCRC113	59	63	660	630	6.30E-02	0.066
TCRC113	63	67	3120	1440	0.14399999	0.31200001
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TCRC113	71	75	650	2790	0.27900001	6.50E-02
TCRC113	75	76	240	430	4.30E-02	0.024
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TCRC113	101	102	750	36600	3.6600001	7.50E-02
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TCRC113	104	105	510	37200	3.72	5.10E-02
TCRC113	105	106	710	30400	3.04	7.10E-02
TCRC113	106	107	370	56500	5.6500001	0.037
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TCRC113	120	121	2770	239000	23.9	0.27700001
TCRC113	121	122	670	106500	10.65	6.70E-02
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TCRC114	4	6	330	260	2.60E-02	0.033
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TCRC114	16	17	570	2250	0.22499999	0.057
TCRC114	17	18	400	2580	0.25799999	4.00E-02
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TCRC114	19	20	840	1470	0.147	8.40E-02
TCRC114	20	21	810	740	7.40E-02	0.081
TCRC114	21	22	280	1580	0.15800001	2.80E-02
TCRC114	22	23	230	3960	0.396	0.023
TCRC114	23	24	330	18200	1.8200001	0.033
TCRC114	24	25	210	12900	1.29	0.021
TCRC114	25	26	290	12500	1.25	2.90E-02
TCRC114	26	27	160	10300	1.03	1.60E-02
TCRC114	27	28	160	10700	1.0700001	1.60E-02
TCRC114	28	29	170	16700	1.67	1.70E-02
TCRC114	29	30	200	15200	1.52	0.02
TCRC114	30	31	150	29800	2.98	0.015
TCRC114	31	32	170	53200	5.3200002	1.70E-02

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TCRC114	33	34	110	12000	1.2	0.011
TCRC114	34	35	190	94000	9.3999996	1.90E-02
TCRC114	35	36	160	12500	1.25	1.60E-02
TCRC114	36	37	240	48500	4.8499999	0.024
TCRC114	37	38	140	23000	2.3	0.014
TCRC114	38	39	210	27700	2.77	0.021
TCRC114	39	40	170	4970	0.49700001	1.70E-02
TCRC114	40	41	300	4990	0.49900001	3.00E-02
TCRC114	41	42	160	17200	1.72	1.60E-02
TCRC114	42	43	90	39100	3.9100001	9.00E-03
TCRC114	43	44	100	68400	6.8400002	1.00E-02
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TCRC114	45	46	680	102500	10.25	6.80E-02
TCRC114	46	47	200	46900	4.6900001	0.02
TCRC114	47	48	170	22200	2.22	1.70E-02
TCRC114	48	49	90	7500	0.75	9.00E-03
TCRC114	49	50	70	24300	2.4300001	7.00E-03
TCRC114	50	51	230	33200	3.3199999	0.023
TCRC114	51	52	490	27300	2.73	4.90E-02
TCRC114	52	53	590	16400	1.64	0.059
TCRC114	53	54	1880	34800	3.48	0.18799999
TCRC114	54	55	1250	18450	1.845	0.125
TCRC114	55	57	870	13300	1.33	8.70E-02
TCRC114	57	58	830	11650	1.165	8.30E-02
TCRC114	58	59	650	26200	2.6199999	6.50E-02
TCRC114	59	60	930	12100	1.21	9.30E-02
TCRC114	60	64	4640	26000	2.5999999	0.46399999
TCRC114	64	67	820	6360	0.63599998	8.20E-02
TCRC115	0	3	620	660	0.066	6.20E-02
TCRC115	3	6	350	950	9.50E-02	0.035
TCRC115	6	9	80	800	8.00E-02	8.00E-03
TCRC115	9	12	50	770	0.077	5.00E-03
TCRC115	12	15	130	910	9.10E-02	0.013
TCRC115	15	16	120	770	0.077	0.012
TCRC115	16	17	150	1090	0.109	0.015
TCRC115	17	18	1040	15950	1.595	0.104
TCRC115	18	19	210	11700	1.17	0.021
TCRC115	19	20	150	2420	0.242	0.015
TCRC115	20	23	90	680	6.80E-02	9.00E-03
TCRC115	23	26	590	1820	0.182	0.059
TCRC115	26	29	280	3330	0.333	2.80E-02
TCRC115	29	30	1050	1760	0.176	0.105
TCRC115	30	31	350	17200	1.72	0.035
TCRC115	31	32	230	68700	6.8699999	0.023
TCRC115	32	33	40	19300	1.9299999	4.00E-03
TCRC115	33	34	40	14200	1.42	4.00E-03
TCRC115	34	35	70	80300	8.0299997	7.00E-03
TCRC115	35	36	50	91200	9.1199999	5.00E-03
TCRC115	36	37	30	33800	3.3800001	0.003
TCRC115	37	38	10	13400	1.34	0.001
TCRC115	38	39	30	19250	1.925	0.003
TCRC115	39	40	20	38000	3.8	2.00E-03
TCRC115	40	41	40	49200	4.9200001	4.00E-03
TCRC115	41	42	110	37200	3.72	0.011
TCRC115	42	43	30	35200	3.52	0.003
TCRC115	43	44	-10	2150	0.215	-0.001
TCRC115	44	45	-10	2070	0.207	-0.001
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TCRC115	46	50	10	1270	0.127	0.001
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TCRC115	54	58	60	1110	0.111	6.00E-03
TCRC115	58	60	100	1610	0.161	1.00E-02

TCRC115	60	61	100	2360	0.236	1.00E-02
TCRC115	61	62	570	50800	5.0799999	0.057
TCRC115	62	63	220	6180	0.61799997	0.022
TCRC115	63	64	230	1210	0.121	0.023
TCRC115	64	65	460	4290	0.42899999	0.046
TCRC115	65	66	970	9200	0.92000002	9.70E-02
TCRC115	66	67	520	3620	0.36199999	5.20E-02
TCRC115	67	68	470	3030	0.303	4.70E-02
TCRC115	68	69	630	3640	0.36399999	6.30E-02
TCRC115	69	70	1660	9940	0.99400002	0.16599999
TCRC115	70	71	2480	32900	3.29	0.248
TCRC115	71	72	1570	10300	1.03	0.15700001
TCRC115	72	73	1000	34800	3.48	0.1
TCRC115	73	74	510	9090	0.90899998	5.10E-02
TCRC115	74	75	280	6400	0.63999999	2.80E-02
TCRC115	75	76	350	5210	0.52100003	0.035
TCRC115	76	77	300	27000	2.7	3.00E-02
TCRC115	77	78	480	4900	0.49000001	0.048
TCRC115	78	79	240	1960	0.19599999	0.024
TCRC115	79	80	140	46700	4.6700001	0.014
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TCRC116	33	34	840	3020	0.30199999	8.40E-02
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TCRC116	36	37	2800	17700	1.77	0.28
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TCRC117	71	72	420	6050	0.60500002	4.20E-02
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TCRC117	74	76	430	4580	0.458	4.30E-02
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TCRC118	12	16	340	890	8.90E-02	3.40E-02
TCRC118	16	18	320	890	8.90E-02	3.20E-02
TCRC118	18	19	360	1400	0.14	3.60E-02
TCRC118	19	20	440	1850	0.185	0.044
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TCRC118	36	37	180	1050	0.105	1.80E-02
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TCRC118	41	42	2420	8940	0.89399999	0.242
TCRC118	42	43	580	7840	0.78399998	5.80E-02
TCRC118	43	44	1350	9630	0.963	0.13500001
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TCRC118	62	63	550	6950	0.69499999	0.055
TCRC118	63	64	520	9280	0.92799997	5.20E-02
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TCRC118	66	67	160	2020	0.20200001	1.60E-02
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TCRC118	68	69	90	1170	0.117	9.00E-03
TCRC118	69	70	80	1520	0.152	8.00E-03
TCRC118	70	71	90	2320	0.23199999	9.00E-03
TCRC118	71	72	80	1630	0.163	8.00E-03
TCRC118	72	75	100	1360	0.13600001	1.00E-02
TCRC118	75	78	150	1300	0.13	0.015
TCRC118	78	82	140	1540	0.154	0.014
TCRC119	0	4	440	2210	0.221	0.044
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TCRC119	34	35	300	5730	0.57300001	3.00E-02
TCRC119	35	37	270	4430	0.44299999	2.70E-02
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TCRC119	39	40	550	11400	1.14	0.055
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TCRC119	42	43	3420	46800	4.6799998	0.34200001
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TCRC119	44	45	3510	61800	6.1799998	0.35100001
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TCRC119	46	47	2060	136500	13.65	0.206
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TCRC119	50	51	1350	15900	1.59	0.13500001
TCRC119	51	52	2280	24100	2.4100001	0.228
TCRC119	52	53	530	10950	1.095	5.30E-02
TCRC119	53	54	780	10650	1.0650001	7.80E-02
TCRC119	54	55	220	2680	0.26800001	0.022
TCRC119	55	56	230	6050	0.60500002	0.023
TCRC119	56	57	340	3300	0.33000001	3.40E-02
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TCRC119	59	60	250	3260	0.32600001	0.025
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TCRC119	65	66	830	120000	12	8.30E-02
TCRC119	66	67	1070	85900	8.5900002	0.107
TCRC119	67	68	2200	59100	5.9099998	0.22
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TCRC119	70	71	3490	41600	4.1599998	0.34900001
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TCRC119	74	75	1800	24200	2.4200001	0.18000001
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TCRC119	76	77	430	4090	0.40900001	4.30E-02
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TCRC119	80	83	520	3280	0.32800001	5.20E-02
TCRC119	83	86	360	4180	0.41800001	3.60E-02
TCRC119	86	90	640	13000	1.3	6.40E-02
TCRC120	0	4	640	810	0.081	6.40E-02
TCRC120	4	8	100	510	5.10E-02	1.00E-02
TCRC120	8	9	40	830	8.30E-02	4.00E-03
TCRC120	9	10	170	92100	9.21	1.70E-02
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TCRC120	15	16	320	23300	2.3299999	3.20E-02
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TCRC120	17	18	90	1030	0.103	9.00E-03
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TCRC120	19	20	860	92400	9.2399998	8.60E-02
TCRC120	20	21	190	55700	5.5700002	1.90E-02
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TCRC120	22	23	440	13100	1.3099999	0.044
TCRC120	23	24	1150	24500	2.45	0.115
TCRC120	24	25	1350	15500	1.55	0.13500001
TCRC120	25	26	1480	53100	5.3099999	0.148
TCRC120	26	27	770	25000	2.5	0.077
TCRC120	27	28	470	6470	0.64700001	4.70E-02
TCRC120	28	29	560	16100	1.61	5.60E-02
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TCRC120	32	33	2160	87000	8.6999998	0.21600001
TCRC120	33	34	1870	153500	15.35	0.18700001
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TCRC120	35	36	9200	49800	4.98	0.92000002
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TCRC120	37	38	1850	17500	1.75	0.185
TCRC120	38	39	3400	51500	5.1500001	0.34
TCRC120	39	40	1710	15300	1.53	0.171
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TCRC120	42	43	1540	35600	3.5599999	0.154
TCRC120	43	44	4130	29900	2.99	0.41299999
TCRC120	44	45	770	9900	0.99000001	0.077
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TCRC120	47	48	670	7570	0.75700003	6.70E-02
TCRC120	48	49	5110	10800	1.08	0.51099998

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TCRC120	51	52	3260	7020	0.70200002	0.32600001
TCRC120	52	53	1720	25300	2.53	0.17200001
TCRC120	53	54	620	2840	0.28400001	6.20E-02
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TCRC120	55	56	360	1780	0.178	3.60E-02
TCRC120	56	57	340	3010	0.301	3.40E-02
TCRC120	57	58	340	1700	0.17	3.40E-02
TCRC120	58	59	240	1720	0.17200001	0.024
TCRC120	59	60	420	2320	0.23199999	4.20E-02
TCRC120	60	61	210	5440	0.54400003	0.021
TCRC120	61	62	260	4130	0.41299999	2.60E-02
TCRC120	62	63	330	9050	0.90499997	0.033
TCRC120	63	64	140	2810	0.28099999	0.014
TCRC120	64	65	210	15300	1.53	0.021
TCRC120	65	66	210	10000	1	0.021
TCRC120	66	67	230	16150	1.615	0.023
TCRC120	67	68	190	6090	0.60900003	1.90E-02
TCRC120	68	69	220	6310	0.63099998	0.022
TCRC120	69	70	300	11550	1.155	3.00E-02
TCRC120	70	71	200	3670	0.36700001	0.02
TCRC120	71	72	400	4260	0.426	4.00E-02
TCRC120	72	73	730	1820	0.182	7.30E-02
TCRC120	73	74	2280	3740	0.37400001	0.228
TCRC120	74	75	2480	4620	0.46200001	0.248
TCRC120	75	76	1230	10400	1.04	0.123
TCRC121	0	4	3330	3780	0.37799999	0.333
TCRC121	4	8	1250	2890	0.289	0.125
TCRC121	8	12	1730	3620	0.36199999	0.17299999
TCRC121	12	16	2160	5150	0.51499999	0.21600001
TCRC121	16	20	2280	4830	0.48300001	0.228
TCRC121	20	24	3370	28100	2.8099999	0.33700001
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TCRC121	25	26	2900	40200	4.02	0.28999999
TCRC121	26	27	3720	123000	12.3	0.37200001
TCRC121	27	28	4260	62200	6.2199998	0.426
TCRC121	28	29	3390	13200	1.3200001	0.33899999
TCRC121	29	30	1790	8210	0.82099998	0.17900001
TCRC121	30	31	1600	50000	5	0.16
TCRC121	31	32	4220	113000	11.3	0.42199999
TCRC121	32	33	3350	87600	8.7600002	0.33500001
TCRC121	33	34	15850	114500	11.45	1.585
TCRC121	34	35	8960	89300	8.9300003	0.89600003
TCRC121	35	36	5160	55300	5.5300002	0.51599997
TCRC121	36	37	3210	48300	4.8299999	0.32100001
TCRC121	37	38	3160	51500	5.1500001	0.31600001
TCRC121	38	39	4910	65400	6.54	0.491
TCRC121	39	40	5280	62200	6.2199998	0.528
TCRC121	40	41	1390	19200	1.92	0.139
TCRC121	41	42	3640	49500	4.9499998	0.36399999
TCRC121	42	43	2940	60600	6.0599999	0.294
TCRC121	43	44	2170	116500	11.65	0.21699999
TCRC121	44	45	1890	63800	6.3800001	0.189
TCRC121	45	46	2650	57000	5.6999998	0.26499999
TCRC121	46	47	3570	53600	5.3600001	0.35699999
TCRC121	47	48	2900	52600	5.2600002	0.28999999
TCRC121	48	49	2900	158000	15.8	0.28999999
TCRC121	49	50	2220	145000	14.5	0.222
TCRC121	50	51	1330	85900	8.5900002	0.133
TCRC121	51	52	1710	110000	11	0.171
TCRC121	52	53	1790	57700	5.77	0.17900001
TCRC121	53	54	1210	125500	12.55	0.121

TCRC121	54	55	730	100500	10.05	7.30E-02
TCRC121	55	56	950	136500	13.65	9.50E-02
TCRC121	56	57	1340	160500	16.049999	0.134
TCRC121	57	58	920	68900	6.8899999	0.092
TCRC121	58	59	1100	114500	11.45	0.11
TCRC121	59	60	570	57800	5.7800002	0.057
TCRC121	60	61	690	60200	6.02	6.90E-02
TCRC121	61	62	500	34000	3.4000001	5.00E-02
TCRC121	62	63	460	62400	6.2399998	0.046
TCRC121	63	64	320	59700	5.9699998	3.20E-02
TCRC121	64	65	430	15600	1.5599999	4.30E-02
TCRC121	65	66	1090	45700	4.5700002	0.109
TCRC121	66	67	1010	40300	4.0300002	0.101
TCRC121	67	68	1240	36600	3.6600001	0.124
TCRC121	68	69	1430	40800	4.0799999	0.14300001
TCRC121	69	70	1250	54000	5.4000001	0.125
TCRC121	70	71	1870	74800	7.48	0.18700001
TCRC121	71	72	4030	34900	3.49	0.403
TCRC121	72	73	2060	22700	2.27	0.206
TCRC121	73	74	2040	36700	3.6700001	0.204
TCRC121	74	75	3630	21800	2.1800001	0.36300001
TCRC122	0	2	670	50900	5.0900002	6.70E-02
TCRC122	2	6	490	2500	0.25	4.90E-02
TCRC122	6	10	330	840	8.40E-02	0.033
TCRC122	10	14	610	660	0.066	6.10E-02
TCRC122	14	18	220	650	6.50E-02	0.022
TCRC122	18	22	160	450	4.50E-02	1.60E-02
TCRC122	22	23	60	540	5.40E-02	6.00E-03
TCRC122	23	24	40	540	5.40E-02	4.00E-03
TCRC122	24	25	40	950	9.50E-02	4.00E-03
TCRC122	25	26	70	4170	0.417	7.00E-03
TCRC122	26	27	70	710	7.10E-02	7.00E-03
TCRC122	27	28	80	710	7.10E-02	8.00E-03
TCRC122	28	30	70	510	5.10E-02	7.00E-03
TCRC122	30	32	80	480	0.048	8.00E-03
TCRC122	32	33	60	650	6.50E-02	6.00E-03
TCRC122	33	34	90	830	8.30E-02	9.00E-03
TCRC122	34	35	60	1110	0.111	6.00E-03
TCRC122	35	36	300	1270	0.127	3.00E-02
TCRC122	36	37	3880	2830	0.28299999	0.38800001
TCRC122	37	38	1680	58400	5.8400002	0.168
TCRC122	38	39	320	65000	6.5	3.20E-02
TCRC122	39	40	360	190000	19	3.60E-02
TCRC122	40	41	350	52300	5.23	0.035
TCRC122	41	42	5330	106000	10.6	0.53299999
TCRC122	42	43	1210	32300	3.23	0.121
TCRC122	43	44	2370	22800	2.28	0.237
TCRC122	44	45	640	65800	6.5799999	6.40E-02
TCRC122	45	46	370	48400	4.8400002	0.037
TCRC122	46	47	1030	83200	8.3199997	0.103
TCRC122	47	48	710	53700	5.3699999	7.10E-02
TCRC122	48	49	350	12600	1.26	0.035
TCRC122	49	50	210	5280	0.528	0.021
TCRC122	50	51	70	3440	0.34400001	7.00E-03
TCRC122	51	52	260	8580	0.85799998	2.60E-02
TCRC122	52	53	380	5490	0.54900002	3.80E-02
TCRC122	53	54	330	11100	1.11	0.033
TCRC122	54	55	270	39000	3.9000001	2.70E-02
TCRC122	55	56	190	31200	3.1199999	1.90E-02
TCRC122	56	57	560	31000	3.0999999	5.60E-02
TCRC122	57	58	360	32100	3.21	3.60E-02
TCRC122	58	59	700	42500	4.25	0.07
TCRC122	59	60	220	24000	2.4000001	0.022

TCRC122	60	61	270	18700	1.87	2.70E-02
TCRC122	61	62	190	13100	1.3099999	1.90E-02
TCRC122	62	63	240	34100	3.4100001	0.024
TCRC122	63	64	310	76600	7.6599998	3.10E-02
TCRC122	64	65	1140	59700	5.9699998	0.114
TCRC122	65	67	2500	42800	4.2800002	0.25
TCRC122	67	69	5430	28200	2.8199999	0.54299998
TCRC122	69	72	1830	18100	1.8099999	0.183
TCRC122	72	76	2230	17000	1.7	0.223
TCRC122	76	80	4100	13000	1.3	0.41
TCRC123	0	3	1980	10100	1.01	0.198
TCRC123	3	7	910	2560	0.25600001	9.10E-02
TCRC123	7	11	2710	8510	0.85100001	0.271
TCRC123	11	15	2320	23900	2.3900001	0.23199999
TCRC123	15	19	1270	21100	2.1099999	0.127
TCRC123	19	21	2260	5580	0.55800003	0.226
TCRC123	21	22	1470	4120	0.412	0.147
TCRC123	22	23	1510	3650	0.36500001	0.15099999
TCRC123	23	24	1910	4980	0.498	0.191
TCRC123	24	25	2970	6740	0.67400002	0.29699999
TCRC123	25	26	3560	42100	4.21	0.35600001
TCRC123	26	27	7260	65200	6.52	0.72600001
TCRC123	27	28	4240	10300	1.03	0.42399999
TCRC123	28	29	5370	27400	2.74	0.537
TCRC123	29	30	2460	26200	2.6199999	0.24600001
TCRC123	30	31	3030	3650	0.36500001	0.303
TCRC123	31	32	4270	6510	0.65100002	0.42699999
TCRC123	32	33	2460	8480	0.84799999	0.24600001
TCRC123	33	34	3910	19000	1.9	0.391
TCRC123	34	35	1950	60500	6.0500002	0.19499999
TCRC123	35	36	2530	45800	4.5799999	0.25299999
TCRC123	36	37	2850	60000	6	0.285
TCRC123	37	38	1670	48400	4.8400002	0.167
TCRC123	38	39	1440	19800	1.98	0.14399999
TCRC123	39	40	3190	45100	4.5100002	0.31900001
TCRC123	40	41	6230	34200	3.4200001	0.62300003
TCRC123	41	42	3760	93700	9.3699999	0.37599999
TCRC123	42	43	11900	91700	9.1700001	1.1900001
TCRC123	43	44	20900	143500	14.35	2.0899999
TCRC123	44	45	15100	115000	11.5	1.51
TCRC123	45	46	4040	120500	12.05	0.40400001
TCRC123	46	47	2380	172500	17.25	0.23800001
TCRC123	47	48	4520	214000	21.4	0.45199999
TCRC123	48	49	2530	177000	17.700001	0.25299999
TCRC123	49	50	9740	143500	14.35	0.97399998
TCRC123	50	51	8560	85700	8.5699997	0.85600001
TCRC123	51	52	20300	222000	22.200001	2.03
TCRC123	52	53	6870	118000	11.8	0.68699998
TCRC123	53	54	4620	171000	17.1	0.46200001
TCRC123	54	55	8260	169000	16.9	0.82599998
TCRC123	55	56	22200	149500	14.95	2.22
TCRC123	56	57	33100	97400	9.7399998	3.3099999
TCRC123	57	58	16200	95200	9.5200005	1.62
TCRC123	58	59	9500	29400	2.9400001	0.94999999
TCRC123	59	60	9670	26800	2.6800001	0.96700001
TCRC123	60	61	5190	15100	1.51	0.51899999
TCRC123	61	62	4730	31700	3.1700001	0.47299999
TCRC123	62	63	5710	256000	25.6	0.57099998
TCRC123	63	64	16850	297000	29.700001	1.6849999
TCRC123	64	65	13000	280000	28	1.3
TCRC123	65	66	8120	352000	35.200001	0.81199998
TCRC123	66	67	7380	361000	36.099998	0.73799998
TCRC123	67	68	10200	241000	24.1	1.02

TCRC123	68	69	9180	123500	12.35	0.91799998
TCRC123	69	70	23900	211000	21.1	2.3900001
TCRC123	70	71	23100	310000	31	2.3099999
TCRC123	71	72	34600	317000	31.700001	3.46
TCRC123	72	73	46300	294000	29.4	4.6300001
TCRC123	73	74	38400	262000	26.200001	3.8399999
TCRC123	74	75	36900	247000	24.700001	3.6900001
TCRC123	77	78	2540	98200	9.8199997	0.25400001
TCRC123	78	79	1450	87800	8.7799997	0.145
TCRC124	0	4	800	3520	0.352	8.00E-02
TCRC124	4	8	2610	7470	0.74699998	0.26100001
TCRC124	8	12	1070	1790	0.17900001	0.107
TCRC124	12	16	470	780	7.80E-02	4.70E-02
TCRC124	16	20	710	1140	0.114	7.10E-02
TCRC124	20	24	530	900	9.00E-02	5.30E-02
TCRC124	24	28	500	850	8.50E-02	5.00E-02
TCRC124	28	32	960	1520	0.152	9.60E-02
TCRC124	32	36	580	1400	0.14	5.80E-02
TCRC124	36	40	550	1000	0.1	0.055
TCRC124	40	44	1210	1780	0.178	0.121
TCRC124	44	48	980	2430	0.243	9.80E-02
TCRC124	48	51	1760	2780	0.278	0.176
TCRC124	51	54	1010	2060	0.206	0.101
TCRC124	54	57	750	1630	0.163	7.50E-02
TCRC124	57	60	560	1500	0.15000001	5.60E-02
TCRC124	60	63	630	1940	0.19400001	6.30E-02
TCRC124	63	66	250	1090	0.109	0.025
TCRC124	66	69	220	1190	0.119	0.022
TCRC124	69	72	250	1120	0.112	0.025
TCRC124	72	75	460	1700	0.17	0.046
TCRC125	0	4	550	1070	0.107	0.055
TCRC125	4	9	610	940	9.40E-02	6.10E-02
TCRC125	9	13	1630	2040	0.204	0.163
TCRC125	13	17	470	900	9.00E-02	4.70E-02
TCRC125	17	21	1190	2020	0.20200001	0.119
TCRC125	21	25	140	3450	0.345	0.014
TCRC125	25	29	360	1420	0.142	3.60E-02
TCRC125	29	33	30	300	3.00E-02	0.003
TCRC125	33	37	50	330	0.033	5.00E-03
TCRC125	37	41	50	300	3.00E-02	5.00E-03
TCRC125	41	45	80	510	5.10E-02	8.00E-03
TCRC125	45	49	40	390	3.90E-02	4.00E-03
TCRC125	49	52	30	260	2.60E-02	0.003
TCRC126	0	3	80	340	3.40E-02	8.00E-03
TCRC126	3	6	470	850	8.50E-02	4.70E-02
TCRC126	6	9	560	1100	0.11	5.60E-02
TCRC126	9	13	360	440	0.044	3.60E-02
TCRC126	13	17	860	1030	0.103	8.60E-02
TCRC126	17	21	140	310	3.10E-02	0.014
TCRC126	21	25	220	370	0.037	0.022
TCRC126	25	29	180	370	0.037	1.80E-02
TCRC126	29	33	290	470	4.70E-02	2.90E-02
TCRC126	33	37	580	780	7.80E-02	5.80E-02
TCRC126	37	41	900	1110	0.111	9.00E-02
TCRC126	41	45	1020	1780	0.178	0.102
TCRC126	45	49	740	2100	0.20999999	7.40E-02
TCRC126	49	53	160	1750	0.175	1.60E-02
TCRC126	53	57	160	1310	0.131	1.60E-02
TCRC126	57	61	130	2840	0.28400001	0.013
TCRC126	61	65	280	4240	0.42399999	2.80E-02
TCRC126	65	69	170	9020	0.90200001	1.70E-02
TCRC126	69	73	110	1240	0.124	0.011
TCRC126	73	77	110	2530	0.25299999	0.011

TCRC126	77	80	110	1130	0.113	0.011
TCRC127	3	5	100	500	5.00E-02	1.00E-02
TCRC127	5	9	1310	1180	0.118	0.131
TCRC127	9	13	1490	1480	0.148	0.149
TCRC127	13	17	2730	1560	0.156	0.273
TCRC127	17	21	1100	1340	0.134	0.11
TCRC127	21	25	1040	950	9.50E-02	0.104
TCRC127	25	29	1280	2230	0.223	0.12800001
TCRC127	29	33	2170	2080	0.208	0.21699999
TCRC127	33	37	2180	2820	0.28200001	0.21799999
TCRC127	37	41	1120	1890	0.189	0.112
TCRC127	41	45	760	1680	0.168	7.60E-02
TCRC127	45	49	740	1520	0.152	7.40E-02
TCRC127	49	53	1030	1980	0.198	0.103
TCRC127	53	57	830	2160	0.21600001	8.30E-02
TCRC127	57	60	1060	1980	0.198	0.106
TCRC128	0	4	520	1140	0.114	5.20E-02
TCRC128	4	8	190	620	6.20E-02	1.90E-02
TCRC128	8	12	620	660	0.066	6.20E-02
TCRC128	12	16	890	600	6.00E-02	8.90E-02
TCRC128	16	20	3040	1380	0.138	0.30399999
TCRC128	20	24	4410	1500	0.15000001	0.44100001
TCRC128	24	28	10850	2040	0.204	1.085
TCRC128	28	32	2130	850	8.50E-02	0.213
TCRC128	32	36	3510	2480	0.248	0.35100001
TCRC128	36	40	740	910	9.10E-02	7.40E-02
TCRC129	0	4	630	880	0.088	6.30E-02
TCRC129	4	8	650	800	8.00E-02	6.50E-02
TCRC129	8	12	230	710	7.10E-02	0.023
TCRC129	12	16	120	690	6.90E-02	0.012
TCRC129	16	20	140	720	7.20E-02	0.014
TCRC129	20	24	270	730	7.30E-02	2.70E-02
TCRC129	24	28	610	920	0.092	6.10E-02
TCRC129	28	32	630	650	6.50E-02	6.30E-02
TCRC129	32	36	480	770	0.077	0.048
TCRC129	36	40	420	980	9.80E-02	4.20E-02
TCRC129	40	43	270	910	9.10E-02	2.70E-02
TCRC129	43	46	230	630	6.30E-02	0.023
TCRC130	0	2	260	650	6.50E-02	2.60E-02
TCRC130	2	6	130	530	5.30E-02	0.013
TCRC130	6	10	140	550	0.055	0.014
TCRC130	10	14	110	810	0.081	0.011
TCRC130	14	18	90	1280	0.12800001	9.00E-03
TCRC130	18	22	90	990	9.90E-02	9.00E-03
TCRC130	22	26	290	880	0.088	2.90E-02
TCRC130	26	30	400	1290	0.12899999	4.00E-02
TCRC130	30	34	370	980	9.80E-02	0.037
TCRC130	34	36	450	1800	0.18000001	4.50E-02
TCRC130	36	38	710	3940	0.39399999	7.10E-02
TCRC130	38	41	780	4150	0.41499999	7.80E-02
TCRC130	41	44	2000	2080	0.208	0.2
TCRC130	44	47	1990	1890	0.189	0.199
TCRC130	47	48	14750	2870	0.287	1.475
TCRC130	48	49	8470	5890	0.58899999	0.847
TCRC130	49	50	4010	76500	7.6500001	0.40099999
TCRC130	50	51	560	85100	8.5100002	5.60E-02
TCRC130	51	52	560	127500	12.75	5.60E-02
TCRC130	52	53	1800	144000	14.4	0.18000001
TCRC130	53	54	1310	163500	16.35	0.131
TCRC130	54	55	770	145000	14.5	0.077
TCRC130	55	56	910	201000	20.1	9.10E-02
TCRC130	56	57	1060	161500	16.15	0.106
TCRC130	57	58	420	45500	4.5500002	4.20E-02

TCRC130	58	59	1010	99700	9.9700003	0.101
TCRC130	59	60	1010	45800	4.5799999	0.101
TCRC130	60	61	1570	97100	9.71	0.15700001
TCRC130	61	62	15650	127500	12.75	1.5650001
TCRC130	62	63	81600	98500	9.8500004	8.1599998
TCRC130	63	64	34500	50600	5.0599999	3.45
TCRC130	64	65	27100	50200	5.02	2.71
TCRC130	65	66	20700	60400	6.04	2.0699999
TCRC130	66	67	18750	72900	7.29	1.875
TCRC130	67	68	15400	59800	5.98	1.54
TCRC130	68	69	10950	38000	3.8	1.095
TCRC130	69	70	7200	38100	3.8099999	0.72000003
TCRC130	70	71	4440	63300	6.3299999	0.44400001
TCRC130	71	72	1450	74800	7.48	0.145
TCRC130	72	73	2710	152000	15.2	0.271
TCRC130	73	74	3080	254000	25.4	0.308
TCRC130	74	75	4180	239000	23.9	0.41800001
TCRC130	75	76	4340	133500	13.35	0.43399999
TCRC130	76	77	3880	91700	9.1700001	0.38800001
TCRC130	77	78	3130	55700	5.5700002	0.31299999
TCRC130	78	79	4960	82000	8.1999998	0.49599999
TCRC130	79	80	2630	73200	7.3200002	0.26300001
TCRC130	80	81	5580	263000	26.299999	0.55800003
TCRC130	81	82	5720	167000	16.700001	0.57200003
TCRC131	2	4	1260	4500	0.44999999	0.126
TCRC131	4	7	1260	3100	0.31	0.126
TCRC131	8	12	1190	2300	0.23	0.119
TCRC131	12	16	2450	1540	0.154	0.245
TCRC131	16	20	4420	4890	0.48899999	0.442
TCRC131	20	24	820	1880	0.18799999	8.20E-02
TCRC131	24	27	500	1690	0.169	5.00E-02
TCRC131	27	28	480	1350	0.13500001	0.048
TCRC131	28	29	1030	5400	0.54000002	0.103
TCRC131	29	30	1220	6450	0.64499998	0.122
TCRC131	30	31	720	5920	0.59200001	7.20E-02
TCRC131	31	32	2460	15600	1.5599999	0.24600001
TCRC131	32	33	2120	125000	12.5	0.212
TCRC131	33	34	2810	158000	15.8	0.28099999
TCRC131	34	35	1900	104000	10.4	0.19
TCRC131	35	36	1590	104500	10.45	0.15899999
TCRC131	36	37	5310	161000	16.1	0.53100002
TCRC131	37	38	16400	87900	8.79	1.64
TCRC131	38	39	14050	108000	10.8	1.405
TCRC131	39	40	4840	68600	6.8600001	0.484
TCRC131	40	41	3040	100500	10.05	0.30399999
TCRC131	41	42	3670	113000	11.3	0.36700001
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TCRC131	64	65	910	63100	6.3099999	9.10E-02
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TCRC132	24	26	840	2380	0.23800001	8.40E-02
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TCRC132	28	29	390	5460	0.546	3.90E-02
TCRC132	29	30	250	10200	1.02	0.025
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TCRC132	31	32	490	3160	0.31600001	4.90E-02
TCRC132	32	33	650	2350	0.235	6.50E-02
TCRC132	33	34	210	1480	0.148	0.021
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TCRC132	36	37	520	1460	0.146	5.20E-02
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TCRC132	42	44	860	3060	0.30599999	8.60E-02
TCRC132	44	46	950	3030	0.303	9.50E-02
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TCRC132	52	53	1980	4730	0.47299999	0.198

TCRC132	53	54	3030	5920	0.59200001	0.303
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TCRC132	58	59	1260	8570	0.85699999	0.126
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TCRC132	72	73	470	2540	0.25400001	4.70E-02
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TCRC132	79	81	830	3170	0.317	8.30E-02
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TCRC132	89	91	500	1950	0.19499999	5.00E-02
TCRC132	91	93	360	1110	0.111	3.60E-02
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TCRC133	6	8	3350	1600	0.16	0.33500001
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TCRC133	35	36	880	4280	0.428	0.088
TCRC133	36	37	790	18800	1.88	7.90E-02
TCRC133	37	38	1600	27200	2.72	0.16
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TCRC136	27	28	1150	1430	0.14300001	0.115
TCRC136	28	29	630	800	8.00E-02	6.30E-02
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TCRC136	30	31	620	2120	0.212	6.20E-02
TCRC136	31	32	920	2640	0.264	0.092
TCRC136	32	33	680	2530	0.25299999	6.80E-02
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TCRC136	38	39	320	1840	0.184	3.20E-02
TCRC136	39	40	300	1380	0.138	3.00E-02
TCRC136	40	41	280	1550	0.155	2.80E-02
TCRC136	41	42	380	1320	0.132	3.80E-02
TCRC136	42	43	420	1100	0.11	4.20E-02
TCRC136	43	44	860	5520	0.55199999	8.60E-02
TCRC136	44	45	630	9240	0.92400002	6.30E-02
TCRC136	45	46	1040	35900	3.5899999	0.104
TCRC136	46	47	1670	13400	1.34	0.167
TCRC136	47	48	940	8480	0.84799999	9.40E-02
TCRC136	48	49	290	4790	0.479	2.90E-02
TCRC136	49	50	370	14000	1.4	0.037
TCRC136	50	51	460	11900	1.1900001	0.046
TCRC136	51	52	1550	13100	1.3099999	0.155
TCRC136	52	53	970	8540	0.85399997	9.70E-02
TCRC136	53	54	2510	19500	1.95	0.25099999
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TCRC136	66	67	1010	79200	7.9200001	0.101
TCRC136	67	68	1250	41200	4.1199999	0.125
TCRC136	68	69	1420	34900	3.49	0.142
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TCRC137	3	4	640	4410	0.44100001	6.40E-02
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TCRC137	5	6	470	2870	0.287	4.70E-02
TCRC137	6	7	430	3610	0.361	4.30E-02
TCRC137	7	8	1110	3880	0.38800001	0.111
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TCRC137	14	15	3060	9830	0.98299998	0.30599999
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TCRC137	17	18	2100	8020	0.80199999	0.20999999
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TCRC137	50	51	1490	65600	6.5599999	0.149
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TCRC137	52	53	630	36200	3.6199999	6.30E-02
TCRC137	53	54	580	29000	2.9000001	5.80E-02
TCRC137	54	55	1740	32800	3.28	0.17399999
TCRC137	55	56	560	43200	4.3200002	5.60E-02
TCRC137	56	57	390	45500	4.5500002	3.90E-02
TCRC137	57	58	420	10600	1.0599999	4.20E-02
TCRC137	58	62	2470	2200	0.22	0.24699999
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TCRC138	4	6	1940	850	8.50E-02	0.19400001
TCRC138	6	7	1100	1950	0.19499999	0.11
TCRC138	7	8	1760	12250	1.225	0.176
TCRC138	8	9	1270	7290	0.72899997	0.127
TCRC138	9	10	440	3960	0.396	0.044
TCRC138	10	11	510	9020	0.90200001	5.10E-02
TCRC138	11	12	200	13700	1.37	0.02
TCRC138	12	13	300	37800	3.78	3.00E-02
TCRC138	13	14	130	43000	4.3000002	0.013
TCRC138	14	15	290	105000	10.5	2.90E-02
TCRC138	15	16	300	123500	12.35	3.00E-02
TCRC138	16	17	210	74900	7.4899998	0.021
TCRC138	17	18	110	23200	2.3199999	0.011
TCRC138	18	19	230	59500	5.9499998	0.023
TCRC138	19	20	270	92000	9.1999998	2.70E-02
TCRC138	20	21	130	27800	2.78	0.013
TCRC138	21	22	170	31000	3.0999999	1.70E-02
TCRC138	22	23	610	21800	2.1800001	6.10E-02
TCRC138	23	24	130	1440	0.14399999	0.013
TCRC138	24	25	110	1370	0.13699999	0.011
TCRC138	25	26	310	34600	3.46	3.10E-02
TCRC138	26	27	380	47500	4.75	3.80E-02
TCRC138	27	28	400	75900	7.5900002	4.00E-02
TCRC138	28	29	270	29300	2.9300001	2.70E-02
TCRC138	29	30	170	53000	5.3000002	1.70E-02
TCRC138	30	31	210	33800	3.3800001	0.021
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TCRC138	32	33	140	114500	11.45	0.014
TCRC138	33	34	100	63600	6.3600001	1.00E-02
TCRC138	34	35	80	105500	10.55	8.00E-03
TCRC138	35	36	80	30200	3.02	8.00E-03
TCRC138	36	37	130	71900	7.1900001	0.013
TCRC138	37	38	90	54700	5.4699998	9.00E-03
TCRC138	38	39	100	36200	3.6199999	1.00E-02
TCRC138	39	40	80	36900	3.6900001	8.00E-03
TCRC138	40	41	100	66800	6.6799998	1.00E-02
TCRC138	41	42	140	11550	1.155	0.014
TCRC138	42	43	690	6720	0.67199999	6.90E-02
TCRC138	43	44	570	15150	1.515	0.057
TCRC138	44	45	100	6170	0.61699998	1.00E-02
TCRC138	45	46	1850	46300	4.6300001	0.185
TCRC138	46	47	550	6050	0.60500002	0.055
TCRC138	47	48	550	2840	0.28400001	0.055
TCRC138	48	49	1270	220000	22	0.127
TCRC138	49	50	540	23900	2.3900001	5.40E-02
TCRC138	50	51	1170	63000	6.3000002	0.117
TCRC138	51	52	1020	81200	8.1199999	0.102
TCRC138	52	53	720	87000	8.6999998	7.20E-02
TCRC138	53	54	860	148000	14.8	8.60E-02
TCRC138	54	55	390	89700	8.9700003	3.90E-02
TCRC138	55	56	450	106500	10.65	4.50E-02
TCRC138	56	57	650	145500	14.55	6.50E-02
TCRC138	57	58	270	56800	5.6799998	2.70E-02
TCRC138	58	59	220	91900	9.1899996	0.022
TCRC138	59	60	300	75400	7.54	3.00E-02
TCRC138	60	61	500	86700	8.6700001	5.00E-02
TCRC138	61	62	170	59900	5.9899998	1.70E-02
TCRC138	62	63	350	85400	8.54	0.035
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TCRC138	64	65	300	144000	14.4	3.00E-02
TCRC138	65	66	290	133500	13.35	2.90E-02

TCRC138	66	67	150	44000	4.4000001	0.015
TCRC138	67	68	270	99200	9.9200001	2.70E-02
TCRC138	68	69	150	8930	0.89300001	0.015
TCRC138	69	70	190	17200	1.72	1.90E-02
TCRC138	70	71	260	75200	7.52	2.60E-02
TCRC139	0	1	1730	52500	5.25	0.17299999
TCRC139	1	2	1960	50700	5.0700002	0.19599999
TCRC139	2	3	2060	62400	6.2399998	0.206
TCRC139	3	4	1940	79800	7.98	0.19400001
TCRC139	4	5	1280	59500	5.9499998	0.12800001
TCRC139	5	6	1370	81400	8.1400003	0.13699999
TCRC139	6	7	1190	53000	5.3000002	0.119
TCRC139	7	8	940	53700	5.3699999	9.40E-02
TCRC139	8	9	2500	43000	4.3000002	0.25
TCRC139	9	10	2190	73800	7.3800001	0.219
TCRC139	10	11	3770	94100	9.4099998	0.377
TCRC139	11	12	1840	70800	7.0799999	0.184
TCRC139	12	13	340	8110	0.81099999	3.40E-02
TCRC139	13	14	220	8130	0.81300002	0.022
TCRC139	14	15	370	26500	2.6500001	0.037
TCRC139	15	16	140	20800	2.0799999	0.014
TCRC139	16	17	210	27700	2.77	0.021
TCRC139	17	18	120	49800	4.98	0.012
TCRC139	18	19	70	10750	1.075	7.00E-03
TCRC139	19	20	80	10750	1.075	8.00E-03
TCRC139	20	21	40	8990	0.89899999	4.00E-03
TCRC139	21	22	120	33800	3.3800001	0.012
TCRC139	22	23	60	21100	2.1099999	6.00E-03
TCRC139	23	24	70	59300	5.9299998	7.00E-03
TCRC139	24	25	180	157000	15.7	1.80E-02
TCRC139	25	26	70	25900	2.5899999	7.00E-03
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TCRC139	27	28	1060	197500	19.75	0.106
TCRC139	28	29	1960	222000	22.200001	0.19599999
TCRC139	29	30	2590	134000	13.4	0.259
TCRC139	30	31	9440	168000	16.799999	0.94400001
TCRC139	31	32	6050	127500	12.75	0.60500002
TCRC139	32	33	3080	30800	3.0799999	0.308
TCRC139	33	34	1510	6780	0.67799997	0.15099999
TCRC139	34	38	1790	6120	0.61199999	0.17900001
TCRC139	38	42	370	1200	0.12	0.037
TCRC139	42	46	210	1010	0.101	0.021
TCRC139	46	50	170	1660	0.16599999	1.70E-02
TCRC139	50	54	150	2160	0.21600001	0.015
TCRC139	54	58	150	1700	0.17	0.015
TCRC140	0	1	1180	42200	4.2199998	0.118
TCRC140	1	2	1920	85700	8.5699997	0.192
TCRC140	2	3	2120	61200	6.1199999	0.212
TCRC140	3	4	1470	60200	6.02	0.147
TCRC140	4	5	630	35700	3.5699999	6.30E-02
TCRC140	5	6	640	31600	3.1600001	6.40E-02
TCRC140	6	7	530	28700	2.8699999	5.30E-02
TCRC140	7	8	400	9010	0.90100002	4.00E-02
TCRC140	8	9	540	32200	3.22	5.40E-02
TCRC140	9	10	280	18300	1.83	2.80E-02
TCRC140	10	11	170	9540	0.954	1.70E-02
TCRC140	11	12	200	15000	1.5	0.02
TCRC140	12	13	370	23400	2.3399999	0.037
TCRC140	13	14	70	5720	0.57200003	7.00E-03
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TCRC140	15	16	60	7740	0.77399999	6.00E-03
TCRC140	16	17	70	4860	0.486	7.00E-03
TCRC140	17	18	210	16800	1.6799999	0.021

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TCRC140	20	21	70	90100	9.0100002	7.00E-03
TCRC140	21	22	190	161500	16.15	1.90E-02
TCRC140	22	23	480	87600	8.7600002	0.048
TCRC140	23	24	740	116000	11.6	7.40E-02
TCRC140	24	25	550	169500	16.950001	0.055
TCRC140	25	26	280	105500	10.55	2.80E-02
TCRC140	26	27	490	117500	11.75	4.90E-02
TCRC140	27	28	1830	106000	10.6	0.183
TCRC140	28	29	760	124000	12.4	7.60E-02
TCRC140	29	30	390	84600	8.46	3.90E-02
TCRC140	30	31	460	111000	11.1	0.046
TCRC140	31	32	190	89200	8.9200001	1.90E-02
TCRC140	32	33	120	119000	11.9	0.012
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TCRC140	34	35	80	45200	4.52	8.00E-03
TCRC140	35	36	2180	20400	2.04	0.21799999
TCRC140	36	37	1250	7250	0.72500002	0.125
TCRC140	37	38	320	4240	0.42399999	3.20E-02
TCRC140	38	42	200	1890	0.189	0.02
TCRC140	42	46	110	930	9.30E-02	0.011
TCRC140	46	50	120	340	3.40E-02	0.012
TCRC140	50	54	80	340	3.40E-02	8.00E-03
TCRC140	54	58	50	920	0.092	5.00E-03
TCRC140	58	62	30	460	0.046	0.003
TCRC140	62	66	50	5780	0.57800001	5.00E-03
TCRC140	66	69	30	770	0.077	0.003
TCRC141	0	2	70	1080	0.108	7.00E-03
TCRC141	2	5	210	590	0.059	0.021
TCRC141	5	8	50	230	0.023	5.00E-03
TCRC141	8	11	50	210	0.021	5.00E-03
TCRC141	11	14	60	220	0.022	6.00E-03
TCRC141	14	17	70	270	2.70E-02	7.00E-03
TCRC141	17	20	70	300	3.00E-02	7.00E-03
TCRC141	20	24	90	300	3.00E-02	9.00E-03
TCRC141	24	28	60	340	3.40E-02	6.00E-03
TCRC141	28	32	110	440	0.044	0.011
TCRC141	32	36	110	350	0.035	0.011
TCRC141	36	40	60	280	2.80E-02	6.00E-03
TCRC141	40	44	80	330	0.033	8.00E-03
TCRC141	44	48	70	280	2.80E-02	7.00E-03
TCRC141	48	52	70	120	0.012	7.00E-03
TCRC141	52	56	80	90	9.00E-03	8.00E-03
TCRC141	56	60	240	490	4.90E-02	0.024
TCRC141	60	64	100	350	0.035	1.00E-02
TCRC141	64	68	90	420	4.20E-02	9.00E-03
TCRC141	68	72	110	450	4.50E-02	0.011
TCRC141	72	76	250	730	7.30E-02	0.025
TCRC141	76	77	380	870	8.70E-02	3.80E-02
TCRC141	77	78	1640	27600	2.76	0.164
TCRC141	78	79	40700	194500	19.450001	4.0700002
TCRC141	79	80	15250	51700	5.1700001	1.525
TCRC141	80	81	5290	16800	1.6799999	0.52899998
TCRC141	81	82	1630	6500	0.64999998	0.163
TCRC141	82	83	830	4690	0.46900001	8.30E-02
TCRC141	83	84	760	4350	0.435	7.60E-02
TCRC141	84	85	440	2750	0.27500001	0.044
TCRC141	85	86	390	4200	0.41999999	3.90E-02
TCRC141	86	87	260	2220	0.222	2.60E-02
TCRC141	87	88	270	2420	0.242	2.70E-02
TCRC141	88	89	420	15900	1.59	4.20E-02
TCRC141	89	90	340	4560	0.456	3.40E-02

TCRC141	90	91	220	3510	0.35100001	0.022
TCRC141	91	92	310	6320	0.63200003	3.10E-02
TCRC141	92	93	330	8750	0.875	0.033
TCRC141	93	94	400	4810	0.48100001	4.00E-02
TCRC141	94	95	270	3190	0.31900001	2.70E-02
TCRC141	95	96	260	3880	0.38800001	2.60E-02
TCRC141	96	97	320	13400	1.34	3.20E-02
TCRC141	97	98	280	12600	1.26	2.80E-02
TCRC141	98	99	350	10300	1.03	0.035
TCRC141	99	100	240	4590	0.45899999	0.024
TCRC141	100	101	230	1370	0.13699999	0.023
TCRC141	101	102	240	1600	0.16	0.024
TCRC141	102	103	230	2160	0.21600001	0.023
TCRC141	103	104	170	2120	0.212	1.70E-02
TCRC141	104	105	160	6420	0.64200002	1.60E-02
TCRC141	105	106	200	2850	0.285	0.02
TCRC141	106	107	260	5210	0.52100003	2.60E-02
TCRC141	107	108	300	5300	0.52999997	3.00E-02
TCRC141	108	109	340	7180	0.71799999	3.40E-02
TCRC141	109	110	340	5270	0.52700001	3.40E-02
TCRC141	110	111	320	4380	0.43799999	3.20E-02
TCRC141	111	112	310	7420	0.74199998	3.10E-02
TCRC141	112	113	970	27000	2.7	9.70E-02
TCRC141	113	114	290	6530	0.653	2.90E-02
TCRC141	114	116	290	4290	0.42899999	2.90E-02
TCRC141	116	118	310	5250	0.52499998	3.10E-02
TCRC141	118	120	430	6670	0.667	4.30E-02
TCRC141	120	122	750	4250	0.42500001	7.50E-02
TCRC141	122	124	530	8350	0.83499998	5.30E-02
TCRC141	124	125	430	5890	0.58899999	4.30E-02
TCRC141	125	126	420	7160	0.71600002	4.20E-02
TCRC141	126	127	590	12600	1.26	0.059
TCRC141	127	128	1890	27900	2.79	0.189
TCRC141	128	129	2740	43900	4.3899999	0.27399999
TCRC141	129	130	1810	38300	3.8299999	0.18099999
TCRC142	0	4	380	400	4.00E-02	3.80E-02
TCRC142	4	8	210	350	0.035	0.021
TCRC142	8	12	250	410	4.10E-02	0.025
TCRC142	12	16	570	610	6.10E-02	0.057
TCRC142	16	20	220	590	0.059	0.022
TCRC142	20	24	180	620	6.20E-02	1.80E-02
TCRC142	24	28	280	830	8.30E-02	2.80E-02
TCRC142	28	32	270	970	9.70E-02	2.70E-02
TCRC142	32	34	430	1310	0.131	4.30E-02
TCRC142	34	35	960	43000	4.3000002	9.60E-02
TCRC142	35	36	1420	4740	0.47400001	0.142
TCRC142	36	37	460	1900	0.19	0.046
TCRC142	37	39	520	1320	0.132	5.20E-02
TCRC142	39	40	370	1310	0.131	0.037
TCRC142	40	41	320	5950	0.59500003	3.20E-02
TCRC142	41	42	220	4890	0.48899999	0.022
TCRC142	42	43	290	3100	0.31	2.90E-02
TCRC142	43	44	290	2420	0.242	2.90E-02
TCRC142	44	45	270	5750	0.57499999	2.70E-02
TCRC142	45	46	260	2300	0.23	2.60E-02
TCRC142	46	47	210	3010	0.301	0.021
TCRC142	47	48	360	5180	0.51800001	3.60E-02
TCRC142	48	52	250	1600	0.16	0.025
TCRC142	52	56	230	480	0.048	0.023
TCRC142	56	60	210	320	3.20E-02	0.021
TCRC142	60	64	260	210	0.021	2.60E-02
TCRC142	64	68	190	350	0.035	1.90E-02
TCRC142	68	72	160	640	6.40E-02	1.60E-02

TCRC142	72	76	130	1050	0.105	0.013
TCRC142	76	80	140	1130	0.113	0.014
TCRC142	80	84	170	760	7.60E-02	1.70E-02
TCRC142	84	88	110	360	3.60E-02	0.011
TCRC142	88	92	30	150	0.015	0.003
TCRC142	92	96	30	280	2.80E-02	0.003
TCRC142	96	100	40	60	6.00E-03	4.00E-03
TCRC143	1	5	80	170	1.70E-02	8.00E-03
TCRC143	5	9	110	210	0.021	0.011
TCRC143	9	13	290	210	0.021	2.90E-02
TCRC143	13	17	360	70	7.00E-03	3.60E-02
TCRC143	17	21	350	50	5.00E-03	0.035
TCRC143	21	25	370	120	0.012	0.037
TCRC143	25	29	390	40	4.00E-03	3.90E-02
TCRC143	29	33	400	150	0.015	4.00E-02
TCRC143	33	37	420	10	0.001	4.20E-02
TCRC143	37	41	390	-10	-0.001	3.90E-02
TCRC143	41	45	570	150	0.015	0.057
TCRC143	45	49	700	330	0.033	0.07
TCRC143	49	50	750	750	7.50E-02	7.50E-02
TCRC143	50	51	1120	24000	2.4000001	0.112
TCRC143	51	52	1340	32900	3.29	0.134
TCRC143	52	53	1880	67000	6.6999998	0.18799999
TCRC143	53	54	1600	64200	6.4200001	0.16
TCRC143	54	55	1170	30800	3.0799999	0.117
TCRC143	55	56	2260	117000	11.7	0.226
TCRC143	56	57	1180	48900	4.8899999	0.118
TCRC143	57	58	4360	85600	8.5600004	0.43599999
TCRC143	58	59	1940	70400	7.04	0.19400001
TCRC143	59	60	1240	52600	5.2600002	0.124
TCRC143	60	61	760	58800	5.8800001	7.60E-02
TCRC143	61	62	750	134500	13.45	7.50E-02
TCRC143	62	63	90	39600	3.96	9.00E-03
TCRC143	63	64	110	47100	4.71	0.011
TCRC143	64	65	140	43300	4.3299999	0.014
TCRC143	65	66	200	41000	4.0999999	0.02
TCRC143	66	67	190	51700	5.1700001	1.90E-02
TCRC143	67	68	310	30200	3.02	3.10E-02
TCRC143	68	69	310	48200	4.8200002	3.10E-02
TCRC143	69	70	100	28400	2.8399999	1.00E-02
TCRC143	70	71	240	64500	6.4499998	0.024
TCRC143	71	72	180	28800	2.8800001	1.80E-02
TCRC143	72	73	700	140500	14.05	0.07
TCRC143	73	74	340	82600	8.2600002	3.40E-02
TCRC143	74	75	370	41600	4.1599998	0.037
TCRC143	75	76	310	70600	7.0599999	3.10E-02
TCRC143	76	77	160	22800	2.28	1.60E-02
TCRC143	77	78	110	7110	0.71100003	0.011
TCRC143	78	79	430	84200	8.4200001	4.30E-02
TCRC143	79	80	250	67400	6.7399998	0.025
TCRC143	80	81	210	61100	6.1100001	0.021
TCRC143	81	82	170	41400	4.1399999	1.70E-02
TCRC143	82	83	330	58100	5.8099999	0.033
TCRC143	83	84	230	59100	5.9099998	0.023
TCRC143	84	85	360	125500	12.55	3.60E-02
TCRC143	85	86	730	205000	20.5	7.30E-02
TCRC143	86	87	160	134000	13.4	1.60E-02
TCRC143	87	88	160	170000	17	1.60E-02
TCRC143	88	89	320	117000	11.7	3.20E-02
TCRC143	89	90	220	144000	14.4	0.022
TCRC143	90	91	180	91200	9.1199999	1.80E-02
TCRC143	91	92	3880	50400	5.04	0.38800001
TCRC143	92	93	310	77000	7.6999998	3.10E-02

TCRC143	93	94	370	85900	8.5900002	0.037
TCRC143	94	95	200	92300	9.2299995	0.02
TCRC143	95	96	550	29900	2.99	0.055
TCRC143	96	97	360	42100	4.21	3.60E-02
TCRC143	97	98	310	60100	6.0100002	3.10E-02
TCRC143	98	99	550	83000	8.3000002	0.055
TCRC143	99	100	180	75800	7.5799999	1.80E-02
TCRC143	100	101	4730	180000	18	0.47299999
TCRC144	0	4	230	390	3.90E-02	0.023
TCRC144	4	8	170	320	3.20E-02	1.70E-02
TCRC144	8	12	40	130	0.013	4.00E-03
TCRC144	12	16	20	100	1.00E-02	2.00E-03
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TCRC144	24	28	20	30	0.003	2.00E-03
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TCRC144	80	84	140	20	2.00E-03	0.014
TCRC144	84	88	180	60	6.00E-03	1.80E-02
TCRC144	88	89	590	700	0.07	0.059
TCRC144	89	90	930	35600	3.5599999	9.30E-02
TCRC144	90	91	850	27800	2.78	8.50E-02
TCRC144	91	92	2670	78900	7.8899999	0.26699999
TCRC144	92	93	2230	66700	6.6700001	0.223
TCRC144	93	94	2300	56200	5.6199999	0.23
TCRC144	94	95	3510	124000	12.4	0.35100001
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TCRC144	97	98	7530	78300	7.8299999	0.75300002
TCRC144	98	99	7400	19500	1.95	0.74000001
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TCRC144	100	104	450	4380	0.43799999	4.50E-02
TCRC144	104	108	380	4310	0.43099999	3.80E-02
TCRC144	108	112	280	2920	0.292	2.80E-02
TCRC144	112	116	210	2220	0.222	0.021
TCRC144	116	120	280	2290	0.229	2.80E-02
TCRC145	1	5	240	370	0.037	0.024
TCRC145	5	9	110	300	3.00E-02	0.011
TCRC145	9	13	170	590	0.059	1.70E-02
TCRC145	13	17	220	590	0.059	0.022
TCRC145	17	21	120	810	0.081	0.012
TCRC145	21	25	40	510	5.10E-02	4.00E-03
TCRC145	25	29	120	380	3.80E-02	0.012
TCRC145	29	33	150	610	6.10E-02	0.015
TCRC145	33	37	50	410	4.10E-02	5.00E-03
TCRC145	37	41	20	770	0.077	2.00E-03
TCRC145	41	42	10	950	9.50E-02	0.001
TCRC145	42	43	20	24200	2.4200001	2.00E-03
TCRC145	43	44	20	2450	0.245	2.00E-03
TCRC145	44	45	20	3060	0.30599999	2.00E-03
TCRC145	45	46	10	1410	0.141	0.001
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TCRC145	54	58	160	1100	0.11	1.60E-02
TCRC145	58	61	160	1070	0.107	1.60E-02
TCRC146	2	3	370	780	7.80E-02	0.037
TCRC146	4	8	670	680	6.80E-02	6.70E-02
TCRC146	8	12	1010	1040	0.104	0.101
TCRC146	12	16	1780	2400	0.23999999	0.178
TCRC146	16	20	4210	4010	0.40099999	0.421
TCRC146	20	24	4140	3200	0.31999999	0.414
TCRC146	24	28	1260	1020	0.102	0.126
TCRC146	28	32	1330	1040	0.104	0.133
TCRC146	32	36	3900	3000	0.30000001	0.38999999
TCRC146	36	40	990	850	8.50E-02	9.90E-02
TCRC146	40	44	640	660	0.066	6.40E-02
TCRC146	44	48	3100	2440	0.244	0.31
TCRC146	48	52	1360	1970	0.197	0.13600001
TCRC146	52	56	790	1070	0.107	7.90E-02
TCRC146	56	60	1840	2140	0.214	0.184
TCRC146	60	64	1700	2220	0.222	0.17
TCRC146	64	67	1210	2320	0.23199999	0.121
TCRC146	67	68	1320	21900	2.1900001	0.132
TCRC146	68	69	770	132000	13.2	0.077
TCRC146	69	70	550	156500	15.65	0.055
TCRC146	70	71	650	31300	3.1300001	6.50E-02
TCRC146	71	72	930	51600	5.1599998	9.30E-02
TCRC146	72	73	910	53000	5.3000002	9.10E-02
TCRC146	73	74	1210	17900	1.79	0.121
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TCRC146	75	76	1220	6030	0.60299999	0.122
TCRC146	76	77	1700	5170	0.51700002	0.17
TCRC146	77	78	1030	6930	0.69300002	0.103
TCRC146	78	79	880	3960	0.396	0.088
TCRC146	79	80	550	2910	0.29100001	0.055
TCRC146	80	81	180	760	7.60E-02	1.80E-02
TCRC146	81	82	710	4490	0.449	7.10E-02
TCRC146	82	83	260	1610	0.161	2.60E-02
TCRC146	83	84	230	1770	0.177	0.023
TCRC146	84	85	2680	2910	0.29100001	0.26800001
TCRC146	85	86	580	2670	0.26699999	5.80E-02
TCRC146	86	87	330	1970	0.197	0.033
TCRC146	87	88	530	3580	0.35800001	5.30E-02
TCRC146	88	89	390	2590	0.259	3.90E-02
TCRC146	89	90	510	4150	0.41499999	5.10E-02
TCRC146	90	91	410	3300	0.33000001	4.10E-02
TCRC146	91	92	580	1650	0.16500001	5.80E-02
TCRC146	92	93	500	2510	0.25099999	5.00E-02
TCRC146	93	94	510	1320	0.132	5.10E-02
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TCRC146	95	96	710	1050	0.105	7.10E-02
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TCRC146	97	98	560	3820	0.382	5.60E-02
TCRC146	98	99	490	2930	0.29300001	4.90E-02
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TCRC147	13	17	1090	960	9.60E-02	0.109
TCRC147	17	21	6980	5630	0.56300002	0.69800001
TCRC147	21	25	900	1360	0.13600001	9.00E-02
TCRC147	25	29	1310	1670	0.167	0.131
TCRC147	29	33	1480	1830	0.183	0.148
TCRC147	33	37	5630	5480	0.54799998	0.56300002
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TCRC147	79	80	1690	3620	0.36199999	0.169
TCRC147	80	81	1780	3670	0.36700001	0.178
TCRC147	81	82	1200	2860	0.28600001	0.12
TCRC147	83	84	1900	4840	0.484	0.19
TCRC147	84	85	3500	5660	0.56599998	0.34999999
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TCRC147	91	92	2330	20900	2.0899999	0.233
TCRC147	92	93	1070	3930	0.39300001	0.107
TCRC147	93	94	300	1430	0.14300001	3.00E-02
TCRC147	94	98	570	2040	0.204	0.057
TCRC147	98	102	490	2480	0.248	4.90E-02
TCRC147	102	106	610	3850	0.38499999	6.10E-02
TCRC147	106	107	300	2390	0.23899999	3.00E-02
TCRC147	107	108	3070	9070	0.90700001	0.30700001
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TCRC147	112	113	3180	9730	0.97299999	0.31799999
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TCRC147	114	115	2730	24200	2.4200001	0.273
TCRC147	115	116	3440	29000	2.9000001	0.34400001
TCRC147	116	117	1930	23000	2.3	0.193
TCRC147	117	118	840	24500	2.45	8.40E-02
TCRC147	118	119	1030	30600	3.0599999	0.103
TCRC147	119	120	990	20100	2.01	9.90E-02
TCRC147	120	121	1840	18200	1.8200001	0.184
TCRC147	121	122	1320	18700	1.87	0.132
TCRC147	122	123	5750	18900	1.89	0.57499999
TCRC147	123	124	2660	13900	1.39	0.266
TCRC147	124	125	2570	6850	0.685	0.257
TCRC147	125	126	2400	21400	2.1400001	0.23999999
TCRC147	126	127	1320	12800	1.28	0.132
TCRC147	127	128	1690	3380	0.338	0.169
TCRC147	128	129	1220	5780	0.57800001	0.122
TCRC147	129	130	1590	18300	1.83	0.15899999
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TCRC147	131	132	2230	9050	0.90499997	0.223
TCRC147	132	133	1590	10700	1.0700001	0.15899999
TCRC147	133	134	2000	14200	1.42	0.2
TCRC147	134	137	4330	24200	2.4200001	0.433
TCRC147	137	140	2660	6310	0.63099998	0.266
TCRC148	5	10	200	810	0.081	0.02
TCRC148	10	14	110	470	4.70E-02	0.011
TCRC148	14	18	330	590	0.059	0.033
TCRC148	18	22	820	960	9.60E-02	8.20E-02
TCRC148	22	26	1090	1120	0.112	0.109
TCRC148	26	30	1670	1750	0.175	0.167
TCRC148	30	34	3520	3020	0.30199999	0.352
TCRC148	34	38	7240	3470	0.347	0.72399998
TCRC148	42	46	6580	6500	0.64999998	0.65799999

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TCRC148	50	54	560	980	9.80E-02	5.60E-02
TCRC148	54	55	380	1370	0.13699999	3.80E-02
TCRC148	55	56	640	4380	0.43799999	6.40E-02
TCRC148	56	57	400	1830	0.183	4.00E-02
TCRC148	57	58	3270	2380	0.23800001	0.32699999
TCRC148	58	59	780	2680	0.26800001	7.80E-02
TCRC148	59	60	340	7860	0.78600001	3.40E-02
TCRC148	60	61	390	4820	0.48199999	3.90E-02
TCRC148	61	62	630	2790	0.27900001	6.30E-02
TCRC148	62	63	490	11100	1.11	4.90E-02
TCRC148	63	64	480	7060	0.70599997	0.048
TCRC148	64	65	31400	7000	0.69999999	3.1400001
TCRC148	65	66	1360	8890	0.889	0.13600001
TCRC148	66	67	670	7150	0.71499997	6.70E-02
TCRC148	67	68	690	4210	0.421	6.90E-02
TCRC148	68	69	710	6300	0.63	7.10E-02
TCRC148	69	70	550	4250	0.42500001	0.055
TCRC148	70	71	610	4970	0.49700001	6.10E-02
TCRC148	71	72	760	5050	0.505	7.60E-02
TCRC148	72	73	1020	3630	0.36300001	0.102
TCRC148	73	74	320	1870	0.18700001	3.20E-02
TCRC148	74	75	800	3630	0.36300001	8.00E-02
TCRC148	75	76	740	3200	0.31999999	7.40E-02
TCRC148	76	77	1210	5600	0.56	0.121
TCRC148	77	78	1900	6320	0.63200003	0.19
TCRC148	78	82	1990	5750	0.57499999	0.199
TCRC148	82	86	820	1880	0.18799999	8.20E-02
TCRC148	86	90	400	2640	0.264	4.00E-02
TCRC148	90	94	590	3630	0.36300001	0.059
TCRC148	94	97	740	25300	2.53	7.40E-02
TCRC148	97	98	650	2610	0.26100001	6.50E-02
TCRC148	98	99	590	3140	0.31400001	0.059
TCRC148	99	100	1110	2960	0.296	0.111
TCRC148	100	101	640	3090	0.30899999	6.40E-02
TCRC148	101	102	510	2520	0.252	5.10E-02
TCRC148	102	103	480	2550	0.255	0.048
TCRC148	103	104	870	4320	0.43200001	8.70E-02
TCRC148	104	105	150	4620	0.46200001	0.015
TCRC148	105	106	290	4460	0.44600001	2.90E-02
TCRC148	106	107	540	2870	0.287	5.40E-02
TCRC148	107	108	540	2430	0.243	5.40E-02
TCRC148	108	109	470	2570	0.257	4.70E-02
TCRC148	109	110	320	2150	0.215	3.20E-02
TCRC148	110	111	600	3400	0.34	6.00E-02
TCRC148	111	112	650	6410	0.64099997	6.50E-02
TCRC148	112	113	240	3040	0.30399999	0.024
TCRC148	113	114	120	420	4.20E-02	0.012
TCRC148	114	115	310	1230	0.123	3.10E-02
TCRC148	115	116	600	2510	0.25099999	6.00E-02
TCRC148	116	117	330	990	9.90E-02	0.033
TCRC148	117	118	100	2810	0.28099999	1.00E-02
TCRC148	118	119	670	6800	0.68000001	6.70E-02
TCRC148	119	120	680	7020	0.70200002	6.80E-02
TCRC149	5	9	390	760	7.60E-02	3.90E-02
TCRC149	9	13	220	640	6.40E-02	0.022
TCRC149	13	17	120	620	6.20E-02	0.012
TCRC149	17	21	180	660	0.066	1.80E-02
TCRC149	21	25	210	490	4.90E-02	0.021
TCRC149	25	29	3280	1790	0.17900001	0.32800001
TCRC149	29	33	480	1020	0.102	0.048
TCRC149	33	37	690	1360	0.13600001	6.90E-02
TCRC149	37	41	400	1050	0.105	4.00E-02

TCRC149	41	45	470	1420	0.142	4.70E-02
TCRC149	45	49	350	920	0.092	0.035
TCRC149	49	53	350	1140	0.114	0.035
TCRC149	53	57	370	1000	0.1	0.037
TCRC149	57	61	570	1540	0.154	0.057
TCRC150	4	8	350	230	0.023	0.035
TCRC150	8	12	410	250	0.025	4.10E-02
TCRC150	12	16	780	330	0.033	7.80E-02
TCRC150	16	20	550	310	3.10E-02	0.055
TCRC150	20	24	270	420	4.20E-02	2.70E-02
TCRC150	24	28	280	300	3.00E-02	2.80E-02
TCRC150	28	32	400	320	3.20E-02	4.00E-02
TCRC150	32	36	490	390	3.90E-02	4.90E-02
TCRC150	36	40	300	460	0.046	3.00E-02
TCRC150	40	44	410	700	0.07	4.10E-02
TCRC150	44	48	310	560	5.60E-02	3.10E-02
TCRC150	48	53	280	790	7.90E-02	2.80E-02
TCDH006	0	1	960	10100	1.01	9.60E-02
TCDH006	1	2	3730	550	0.055	0.373
TCDH006	2	3	12000	1330	0.133	1.2
TCDH006	3	4	8250	1190	0.119	0.82499999
TCDH006	4	5	2810	840	8.40E-02	0.28099999
TCDH006	5	6	3800	2970	0.29699999	0.38
TCDH006	6	7	6140	21900	2.1900001	0.61400002
TCDH006	7	8	1400	30100	3.01	0.14
TCDH006	8	9	550	8000	0.80000001	0.055
TCDH006	9	10	230	10900	1.09	0.023
TCDH006	10	11	600	139000	13.9	6.00E-02
TCDH006	11	12	400	171500	17.15	4.00E-02
TCDH006	12	13	480	120000	12	0.048
TCDH006	13	14	350	150000	15	0.035
TCDH006	14	15	270	116000	11.6	2.70E-02
TCDH006	15	16	220	243000	24.299999	0.022
TCDH006	16	17	310	144000	14.4	3.10E-02
TCDH006	17	18	2100	168000	16.799999	0.20999999
TCDH006	18	19	470	92300	9.2299995	4.70E-02
TCDH006	19	20	910	145000	14.5	9.10E-02
TCDH006	20	21	2590	54200	5.4200001	0.259
TCDH006	21	22	610	23500	2.3499999	6.10E-02
TCDH006	22	23	150	730	7.30E-02	0.015
TCDH006	23	24	1640	9020	0.90200001	0.164
TCDH006	24	25	200	23200	2.3199999	0.02
TCDH006	25	26	140	860	8.60E-02	0.014
TCDH006	26	27	180	18900	1.89	1.80E-02
TCDH006	27	28	230	46200	4.6199999	0.023
TCDH006	28	29	430	110000	11	4.30E-02
TCDH006	29	30	400	50600	5.0599999	4.00E-02
TCDH006	30	31	840	123500	12.35	8.40E-02
TCDH006	31	32	420	112500	11.25	4.20E-02
TCDH006	32	33	340	144000	14.4	3.40E-02
TCDH006	33	34	260	87000	8.6999998	2.60E-02
TCDH006	34	35	720	92200	9.2200003	7.20E-02
TCDH006	35	36	430	140500	14.05	4.30E-02
TCDH006	36	39	1910	140500	14.05	0.191
TCDH006	39	40	2310	144500	14.45	0.23100001
TCDH006	40	41	480	122000	12.2	0.048
TCDH006	41	42	70	42500	4.25	7.00E-03
TCDH006	42	43	380	59200	5.9200001	3.80E-02
TCDH006	43	44	1100	95600	9.5600004	0.11
TCDH006	44	45	1650	97300	9.7299995	0.16500001
TCDH006	45	46	500	110000	11	5.00E-02
TCDH006	46	47	28000	138500	13.85	2.8
TCDH006	47	49	12800	48600	4.8600001	1.28

TCDH006	49	51	7550	21400	2.1400001	0.755
TCDH006	51	53	7870	33600	3.3599999	0.787
TCDH006	53	55	15950	36200	3.6199999	1.595
TCDH006	55	57	14050	30800	3.0799999	1.405
TCDH006	57	59	21200	28100	2.8099999	2.1199999
TCDH006	59	61	12250	22800	2.28	1.225
TCDH006	61	63	8840	25900	2.5899999	0.884
TCDH006	63	65	2660	14900	1.49	0.266
TCDH006	65	67	2570	34000	3.4000001	0.257
TCDH006	67	69	4090	32000	3.2	0.40900001
TCDH006	69	71	2620	25300	2.53	0.26199999
TCDH006	71	73	4060	27900	2.79	0.40599999
TCDH006	73	75	2990	18800	1.88	0.29899999
TCDH006	75	77	2330	33900	3.3900001	0.233
TCDH006	77	79	920	13100	1.3099999	0.092
TCDH006	79	81	6590	29000	2.9000001	0.65899998
TCDH006	81	83	1520	30200	3.02	0.152
TCDH006	83	85	3270	49000	4.9000001	0.32699999
TCDH006	85	87	3780	40900	4.0900002	0.37799999
TCDH006	87	89	2100	39100	3.9100001	0.20999999
TCDH006	89	91	1040	36600	3.6600001	0.104
TCDH006	91	92	80	1060	0.106	8.00E-03
TCDH006	92	93	70	1480	0.148	7.00E-03
TCDH006	93	94	110	158000	15.8	0.011
TCDH006	94	95	70	135000	13.5	7.00E-03
TCDH006	95	96	130	54000	5.4000001	0.013
TCDH006	96	97	1720	153000	15.3	0.17200001
TCDH006	97	98	1380	35400	3.54	0.138
TCDH006	98	99	1570	37200	3.72	0.15700001
TCDH006	99	100	1700	99200	9.9200001	0.17
TCDH006	100	101	1130	52600	5.2600002	0.113
TCDH006	101	102	2140	114000	11.4	0.214
TCDH006	102	103	350	97200	9.7200003	0.035
TCDH006	103	104	140	32900	3.29	0.014
TCDH006	104	105	130	24800	2.48	0.013
TCDH006	105	106	2800	30300	3.03	0.28
TCDH006	106	107	320	61400	6.1399999	3.20E-02
TCDH006	107	108	320	20200	2.02	3.20E-02
TCDH006	108	109	13450	95700	9.5699997	1.345
TCDH006	109	110	7960	69100	6.9099998	0.796
TCDH006	110	111	850	40900	4.0900002	8.50E-02
TCDH006	111	112	110	2420	0.242	0.011
TCDH006	112	113	260	38500	3.8499999	2.60E-02
TCDH006	113	114	680	20300	2.03	6.80E-02
TCDH006	114	115	7720	30200	3.02	0.77200001
TCDH006	115	116	17800	115500	11.55	1.78
TCDH006	116	117	210	7350	0.73500001	0.021
TCDH006	117	118	410	17800	1.78	4.10E-02
TCDH006	118	120	1410	32800	3.28	0.141
TCDH006	120	122	2670	21400	2.1400001	0.26699999
TCDH006	122	124	3320	16800	1.6799999	0.33199999
TCDH006	124	126	9270	30600	3.0599999	0.92699999
TCDH006	126	128	14050	54000	5.4000001	1.405
TCDH006	128	130	3860	22400	2.24	0.38600001
TCDH006	130	132	7060	33700	3.3699999	0.70599997
TCDH006	132	133	9250	37700	3.77	0.92500001
TCDH006	133	134	6080	36100	3.6099999	0.60799998
TCDH006	134	135	3000	20300	2.03	0.30000001
TCDH006	135	136	2330	4910	0.491	0.233
TCDH006	136	137	2540	19800	1.98	0.25400001
TCDH006	137	138	930	9350	0.935	9.30E-02
TCDH006	138	139	1690	11100	1.11	0.169
TCDH006	139	140	1600	10900	1.09	0.16

TCDH006	140	141	930	15600	1.5599999	9.30E-02
TCDH006	141	142	2640	7330	0.73299998	0.264
TCDH006	142	143	380	3880	0.38800001	3.80E-02
TCDH006	143	144	1020	10300	1.03	0.102
TCDH006	144	145	380	9580	0.958	3.80E-02
TCDH006	145	146	2890	37800	3.78	0.289
TCDH006	146	147	280	31700	3.1700001	2.80E-02
TCDH006	147	148	260	60900	6.0900002	2.60E-02
TCDH006	148	149	160	31300	3.1300001	1.60E-02
TCDH006	149	150	130	55300	5.5300002	0.013
TCDH006	150	151	130	7870	0.787	0.013
TCDH006	151	152	220	30300	3.03	0.022
TCDH006	152	153	680	3800	0.38	6.80E-02
TCDH006	153	154	160	2060	0.206	1.60E-02
TCDH006	154	155	730	52400	5.2399998	7.30E-02
TCDH006	155	156	650	16300	1.63	6.50E-02
TCDH006	156	157	280	9460	0.94599998	2.80E-02
TCDH006	157	158	130	6480	0.648	0.013
TCDH006	158	159	140	18600	1.86	0.014
TCDH006	159	160	260	13100	1.3099999	2.60E-02
TCDH006	160	161	220	21100	2.1099999	0.022
TCDH006	161	162	230	57000	5.6999998	0.023
TCDH006	162	163	170	43700	4.3699999	1.70E-02
TCDH006	163	164	480	14900	1.49	0.048
TCDH006	164	165	340	76100	7.6100001	3.40E-02
TCDH006	165	166	150	55600	5.5599999	0.015
TCDH006	166	167	170	60100	6.0100002	1.70E-02
TCDH006	167	168	210	54000	5.4000001	0.021
TCDH006	168	169	110	49000	4.9000001	0.011
TCDH006	169	170	70	14600	1.46	7.00E-03
TCDH006	170	171	90	23100	2.3099999	9.00E-03
TCDH006	171	172	160	45300	4.5300002	1.60E-02
TCDH006	172	173	200	71100	7.1100001	0.02
TCDH006	173	174	160	43200	4.3200002	1.60E-02
TCDH006	174	175	120	17000	1.7	0.012
TCDH006	175	176	350	51400	5.1399999	0.035
TCDH006	176	177	190	15900	1.59	1.90E-02
TCDH006	177	178	290	18900	1.89	2.90E-02
TCDH006	178	179	1890	8330	0.833	0.189
TCDH006	179	180	2090	16000	1.6	0.20900001
TCDH006	180	181	780	14500	1.45	7.80E-02
TCDH006	181	182	700	19400	1.9400001	0.07
TCDH006	182	183	880	26700	2.6700001	0.088
TCDH006	183	184	610	16800	1.6799999	6.10E-02
TCDH006	184	185	190	26700	2.6700001	1.90E-02
TCDH006	185	186	340	15100	1.51	3.40E-02
TCDH006	186	187	110	27000	2.7	0.011
TCDH006	187	188	130	3100	0.31	0.013
TCDH006	188	189	150	27000	2.7	0.015
TCDH006	189	190	400	33100	3.3099999	4.00E-02
TCDH006	190	191	490	21700	2.1700001	4.90E-02
TCDH006	191	192	550	21700	2.1700001	0.055
TCDH006	192	193	60	13000	1.3	6.00E-03
TCDH006	193	194	70	12400	1.24	7.00E-03
TCDH006	194	195	750	24700	2.47	7.50E-02
TCDH006	195	196	3820	26200	2.6199999	0.382
TCDH006	196	197	210	9440	0.94400001	0.021
TCDH006	197	198	120	23800	2.3800001	0.012
TCDH006	198	199	220	22600	2.26	0.022
TCDH006	199	200	110	19900	1.99	0.011
TCDH006	200	201	1940	13800	1.38	0.19400001
TCDH006	201	202	2460	13400	1.34	0.24600001
TCDH006	202	203	200	13500	1.35	0.02

TCDH006	203	204	90	9830	0.98299998	9.00E-03
TCDH006	204	205	120	24300	2.4300001	0.012
TCDH006	205	206	740	51000	5.0999999	7.40E-02
TCDH006	206	207	220	6530	0.653	0.022
TCDH006	207	208	2200	40800	4.0799999	0.22
TCDH006	208	209	1550	83500	8.3500004	0.155
TCDH006	209	210	280	40600	4.0599999	2.80E-02
TCDH006	210	211	3520	16100	1.61	0.352
TCDH006	211	212	460	9410	0.94099998	0.046
TCDH006	212	213	90	15400	1.54	9.00E-03
TCDH006	213	214	2160	13100	1.3099999	0.21600001
TCDH006	214	215	1410	36500	3.6500001	0.141
TCDH006	215	216	110	16900	1.6900001	0.011
TCDH006	216	217	80	14700	1.47	8.00E-03
TCDH006	217	218	1300	17800	1.78	0.13
TCDH006	218	219	110	12700	1.27	0.011
TCDH006	219	220	140	20200	2.02	0.014
TCDH006	220	221	120	24300	2.4300001	0.012
TCDH006	221	222	190	21100	2.1099999	1.90E-02
TCDH006	222	223	100	22800	2.28	1.00E-02
TCDH006	223	224	23000	29400	2.9400001	2.3
TCDH006	224	227	140	25800	2.5799999	0.014
TCDH006	227	230	4600	37000	3.7	0.46000001
TCDH006	230	236.5	1540	29400	2.9400001	0.154
TCDH007	0	2	2580	640	6.40E-02	0.25799999
TCDH007	2	4	3690	3520	0.352	0.36899999
TCDH007	4	6	2180	2360	0.236	0.21799999
TCDH007	6	8	850	1210	0.121	8.50E-02
TCDH007	8	11	550	710	7.10E-02	0.055
TCDH007	11	13	350	8360	0.83600003	0.035
TCDH007	13	15	280	590	0.059	2.80E-02
TCDH007	15	17	130	200	0.02	0.013
TCDH007	17	19	60	220	0.022	6.00E-03
TCDH007	19	21	100	480	0.048	1.00E-02
TCDH007	21	22	150	620	6.20E-02	0.015
TCDH007	22	23	160	700	0.07	1.60E-02
TCDH007	23	24	90	620	6.20E-02	9.00E-03
TCDH007	24	25	140	53300	5.3299999	0.014
TCDH007	25	26	30	13100	1.3099999	0.003
TCDH007	26	27	20	1190	0.119	2.00E-03
TCDH007	27	28	20	2900	0.28999999	2.00E-03
TCDH007	28	29	20	70900	7.0900002	2.00E-03
TCDH007	29	30	10	46900	4.6900001	0.001
TCDH007	30	31	930	64500	6.4499998	9.30E-02
TCDH007	31	32	1030	84000	8.3999996	0.103
TCDH007	32	33	1840	164000	16.4	0.184
TCDH007	33	35	60	86300	8.6300001	6.00E-03
TCDH007	35	36	40	27200	2.72	4.00E-03
TCDH007	36	38	110	80300	8.0299997	0.011
TCDH007	38	39	1290	106000	10.6	0.12899999
TCDH007	39	40	330	111000	11.1	0.033
TCDH007	40	41	580	64500	6.4499998	5.80E-02
TCDH007	41	42	330	88500	8.8500004	0.033
TCDH007	42	44	80	71300	7.1300001	8.00E-03
TCDH007	44	45	10	3830	0.38299999	0.001
TCDH007	45	46	200	36100	3.6099999	0.02
TCDH007	46	47	1180	145500	14.55	0.118
TCDH007	47	48	600	91900	9.1899996	6.00E-02
TCDH007	48	49	100	12200	1.22	1.00E-02
TCDH007	49	50	240	34600	3.46	0.024
TCDH007	50	51	680	14400	1.4400001	6.80E-02
TCDH007	51	52	220	46700	4.6700001	0.022
TCDH007	52	53	40	17800	1.78	4.00E-03

TCDH007	53	54	50	55100	5.5100002	5.00E-03
TCDH007	54	56	100	1040	0.104	1.00E-02
TCDH007	56	58	310	1340	0.134	3.10E-02
TCDH007	58	60	500	2510	0.25099999	5.00E-02
TCDH007	60	62	240	840	8.40E-02	0.024
TCDH007	62	64	350	690	6.90E-02	0.035
TCDH007	64	65	310	3210	0.32100001	3.10E-02
TCDH007	65	66	70	4610	0.461	7.00E-03
TCDH007	66	67	440	49700	4.9699998	0.044
TCDH007	67	68	100	28700	2.8699999	1.00E-02
TCDH007	68	69	200	22200	2.22	0.02
TCDH007	69	70	230	86300	8.6300001	0.023
TCDH007	70	71	50	14100	1.41	5.00E-03
TCDH007	71	72	220	8530	0.85299999	0.022
TCDH007	72	73	190	6710	0.671	1.90E-02
TCDH007	73	74	3490	13000	1.3	0.34900001
TCDH007	74	75	390	29600	2.96	3.90E-02
TCDH007	75	76	1440	20300	2.03	0.14399999
TCDH007	76	77	1230	14200	1.42	0.123
TCDH007	77	78	210	4490	0.449	0.021
TCDH007	78	79	1010	7890	0.78899997	0.101
TCDH007	79	80	630	8860	0.88599998	6.30E-02
TCDH007	80	81	11400	93400	9.3400002	1.14
TCDH007	81	82	700	39000	3.9000001	0.07
TCDH007	82	83	1480	59100	5.9099998	0.148
TCDH007	83	84	1040	7680	0.76800001	0.104
TCDH007	84	85	11500	48900	4.8899999	1.15
TCDH007	85	86	280	10700	1.0700001	2.80E-02
TCDH007	86	87	3510	182000	18.200001	0.35100001
TCDH007	87	88	1400	55500	5.5500002	0.14
TCDH007	88	89	1690	30000	3	0.169
TCDH007	89	92	1020	4330	0.433	0.102
TCDH007	92	95	820	5110	0.51099998	8.20E-02
TCDH007	95	96	330	1540	0.154	0.033
TCDH007	96	97	810	7140	0.71399999	0.081
TCDH007	97	98	48200	46600	4.6599998	4.8200002
TCDH007	98	99	2630	13500	1.35	0.26300001
TCDH007	99	100	1120	6700	0.67000002	0.112
TCDH007	100	101	3820	22900	2.29	0.382
TCDH007	101	102	1340	16200	1.62	0.134
TCDH007	102	103	930	12900	1.29	9.30E-02
TCDH007	103	104	3750	35200	3.52	0.375
TCDH007	104	105	3440	38000	3.8	0.34400001
TCDH007	105	106	19000	40500	4.0500002	1.9
TCDH007	106	107	4230	17700	1.77	0.42300001
TCDH007	107	108	770	5390	0.53899997	0.077
TCDH007	108	109	28700	21700	2.1700001	2.8699999
TCDH007	109	110	4610	47800	4.7800002	0.461
TCDH007	110	111	2280	11800	1.1799999	0.228
TCDH007	111	112	5400	25100	2.51	0.54000002
TCDH007	112	113	11550	16700	1.67	1.155
TCDH007	113	114	600	4550	0.45500001	6.00E-02
TCDH007	114	115	3830	25000	2.5	0.38299999
TCDH007	115	116	1120	18900	1.89	0.112
TCDH007	116	117	2340	19800	1.98	0.234
TCDH007	117	118	6610	33600	3.3599999	0.66100001
TCDH007	118	119	3400	19900	1.99	0.34
TCDH007	119	120	5230	16800	1.6799999	0.523
TCDH007	120	121	4870	29100	2.9100001	0.48699999
TCDH007	121	122	5420	21600	2.1600001	0.542
TCDH007	122	123	2970	16100	1.61	0.29699999
TCDH007	123	124	1800	10500	1.05	0.18000001
TCDH007	124	125	800	4550	0.45500001	8.00E-02

TCDH007	125	126	520	4150	0.41499999	5.20E-02
TCDH007	126	127	750	12800	1.28	7.50E-02
TCDH007	127	128	1320	11400	1.14	0.132
TCDH007	128	130	610	5800	0.57999998	6.10E-02
TCDH007	130	133	380	9750	0.97500002	3.80E-02
TCDH007	133	135	130	4550	0.45500001	0.013
TCDH007	135	137	900	2790	0.27900001	9.00E-02
TCDH007	137	139	440	6320	0.63200003	0.044
TCDH007	139	141	290	9040	0.90399998	2.90E-02
TCDH007	141	143	440	8340	0.83399999	0.044
TCDH007	143	145	380	2220	0.222	3.80E-02
TCDH007	145	147	650	2530	0.25299999	6.50E-02
TCDH007	147	149	220	1260	0.126	0.022
TCDH007	149	150	410	1180	0.118	4.10E-02
TCDH007	150	151	80	640	6.40E-02	8.00E-03
TCDH007	151	152	110	5660	0.56599998	0.011
TCDH007	152	153	50	3460	0.34599999	5.00E-03
TCDH007	153	154	50	1730	0.17299999	5.00E-03
TCDH007	154	155	110	1920	0.192	0.011
TCDH007	155	156	90	6430	0.64300001	9.00E-03
TCDH007	156	157	80	13100	1.3099999	8.00E-03
TCDH007	157	158	4340	24200	2.4200001	0.43399999
TCDH007	158	159	90	10100	1.01	9.00E-03
TCDH007	159	160	40	2510	0.25099999	4.00E-03
TCDH007	160	161	50	5830	0.583	5.00E-03
TCDH007	161	162	120	10200	1.02	0.012
TCDH007	162	163	290	23000	2.3	2.90E-02
TCDH007	163	164	110	12600	1.26	0.011
TCDH007	164	165	150	24900	2.49	0.015
TCDH007	165	166	180	14600	1.46	1.80E-02
TCDH007	166	167	150	27300	2.73	0.015
TCDH007	167	168	120	12100	1.21	0.012
TCDH007	168	169	50	9820	0.98199999	5.00E-03
TCDH007	169	170	380	11200	1.12	3.80E-02
TCDH007	170	171	270	26200	2.6199999	2.70E-02
TCDH007	171	172	50	8920	0.89200002	5.00E-03
TCDH007	172	173	40	11700	1.17	4.00E-03
TCDH007	173	174	30	28900	2.8900001	0.003
TCDH007	174	175	4680	24900	2.49	0.46799999
TCDH007	175	176	110	11800	1.1799999	0.011
TCDH007	176	177	200	11400	1.14	0.02
TCDH007	177	178	70	24600	2.46	7.00E-03
TCDH007	178	179	-10	40	4.00E-03	-0.001
TCDH007	179	180	30	10900	1.09	0.003
TCDH007	180	181	30	9930	0.99299997	0.003
TCDH007	181	182	40	18100	1.8099999	4.00E-03
TCDH007	182	183	50	15300	1.53	5.00E-03
TCDH007	183	184	230	25600	2.5599999	0.023
TCDH007	184	185		180	1.80E-02	
TCDH007	185	186	740	19700	1.97	7.40E-02
TCDH007	186	187	160	26300	2.6300001	1.60E-02
TCDH007	187	188	100	23400	2.3399999	1.00E-02
TCDH007	188	189	60	39800	3.98	6.00E-03
TCDH007	189	190	60	23600	2.3599999	6.00E-03
TCDH007	190	191	40	12500	1.25	4.00E-03
TCDH007	191	192	20	8810	0.88099998	2.00E-03
TCDH007	192	193	40	21400	2.1400001	4.00E-03
TCDH007	193	194	70	16400	1.64	7.00E-03
TCDH007	194	195	200	18600	1.86	0.02
TCDH007	195	196	750	21500	2.1500001	7.50E-02
TCDH007	196	197	350	35500	3.55	0.035
TCDH007	197	198	960	55100	5.5100002	9.60E-02
TCDH007	198	199	1820	56400	5.6399999	0.182

TCDH007	199	200	7250	62000	6.1999998	0.72500002
TCDH007	200	201	280	61300	6.1300001	2.80E-02
TCDH007	201	202	240	68100	6.8099999	0.024
TCDH007	202	203	1160	63100	6.3099999	0.116
TCDH007	203	204	270	36200	3.6199999	2.70E-02
TCDH007	204	205	250	21000	2.0999999	0.025
TCDH007	205	206	2040	31700	3.1700001	0.204
TCDH007	206	207	100	23000	2.3	1.00E-02
TCDH007	207	208	70	17000	1.7	7.00E-03
TCDH007	208	209	30	30100	3.01	0.003
TCDH007	209	210	40	17800	1.78	4.00E-03
TCDH007	210	211	20	12500	1.25	2.00E-03
TCDH007	211	212	30	14400	1.4400001	0.003
TCDH007	212	213	30	12300	1.23	0.003
TCDH007	213	214	80	12900	1.29	8.00E-03
TCDH007	214	215	210	19100	1.91	0.021
TCDH007	215	216	70	17000	1.7	7.00E-03
TCDH007	216	217	110	26600	2.6600001	0.011
TCDH007	217	218	310	10500	1.05	3.10E-02
TCDH007	218	219	70	28000	2.8	7.00E-03
TCDH007	219	220	60	12900	1.29	6.00E-03
TCDH007	220	221	40	36500	3.6500001	4.00E-03
TCDH007	221	222	30	53100	5.3099999	0.003
TCDH007	222	223	20	59600	5.96	2.00E-03
TCDH007	223	224	40	77300	7.73	4.00E-03
TCDH007	224	225	110	29900	2.99	0.011
TCDH007	225	226	30	18900	1.89	0.003
TCDH007	226	227	10	15700	1.5700001	0.001
TCDH007	227	228	10	18500	1.85	0.001
TCDH007	228	229	20	14800	1.48	2.00E-03
TCDH007	229	230	20	17900	1.79	2.00E-03
TCDH007	230	231	20	10300	1.03	2.00E-03
TCDH007	231	232	30	21100	2.1099999	0.003
TCDH007	232	233				
TCDH007	233	234				
TCDH007	234	235				
TCDH007	235	236	1960	21400	2.1400001	0.19599999
TCDH007	236	237				
TCDH007	237	238	2270	19600	1.96	0.227
TCDH007	238	239	1140	9880	0.98799998	0.114
TCDH007	239	240	3020	17500	1.75	0.30199999
TCDH007	240	241	2270	16000	1.6	0.227
TCDH007	241	242	400	4230	0.42300001	4.00E-02
TCDH007	242	243	860	9660	0.96600002	8.60E-02
TCDH007	243	244	60	7010	0.70099998	6.00E-03
TCDH007	244	245	100	9100	0.91000003	1.00E-02
TCDH007	245	246	420	13000	1.3	4.20E-02
TCDH007	246	247	520	27600	2.76	5.20E-02
TCDH007	247	248	360	65000	6.5	3.60E-02
TCDH007	248	249	10550	62800	6.2800002	1.0549999
TCDH007	249	250	110	38800	3.8800001	0.011
TCDH007	250	251	190	49400	4.9400001	1.90E-02
TCDH007	251	252	5230	50700	5.0700002	0.523
TCDH007	252	253	630	31100	3.1099999	6.30E-02
TCDH007	253	254	3970	41500	4.1500001	0.39700001
TCDH007	254	255	5620	24500	2.45	0.56199998
TCDH007	255	256	5160	26400	2.6400001	0.51599997
TCDH007	256	257	900	26300	2.6300001	9.00E-02
TCDH007	257	258	7160	28600	2.8599999	0.71600002
TCDH007	258	259	2710	22000	2.2	0.271
TCDH007	259	260	9240	34700	3.47	0.92400002
TCDH007	260	261.5	440	30300	3.03	0.044
TCDH008	0	2	200	730	7.30E-02	0.02

TCDH008	2	4	110	970	9.70E-02	0.011
TCDH008	4	6	50	520	5.20E-02	5.00E-03
TCDH008	6	8	110	590	0.059	0.011
TCDH008	8	10	20	270	2.70E-02	2.00E-03
TCDH008	10	12	230	650	6.50E-02	0.023
TCDH008	12	13	550	11600	1.16	0.055
TCDH008	13	15.4	150	2370	0.237	0.015
TCDH008	15.4	16	170	1040	0.104	1.70E-02
TCDH008	16	17	60	1690	0.169	6.00E-03
TCDH008	17	18	10	9240	0.92400002	0.001
TCDH008	18	20	10	1170	0.117	0.001
TCDH008	20	22	10	500	5.00E-02	0.001
TCDH008	22	24	80	1420	0.142	8.00E-03
TCDH008	24	26	140	660	0.066	0.014
TCDH008	26	28	20	460	0.046	2.00E-03
TCDH008	28	30	590	1000	0.1	0.059
TCDH008	30	32	410	2080	0.208	4.10E-02
TCDH008	32	34	300	890	8.90E-02	3.00E-02
TCDH008	34	36	80	660	0.066	8.00E-03
TCDH008	36	38	220	670	6.70E-02	0.022
TCDH008	38	40	1260	1180	0.118	0.126
TCDH008	40	42	1210	1700	0.17	0.121
TCDH008	42	44	910	1270	0.127	9.10E-02
TCDH008	44	45	3670	1700	0.17	0.36700001
TCDH008	45	46	870	2310	0.23100001	8.70E-02
TCDH008	46	47	1460	14400	1.4400001	0.146
TCDH008	47	48	1170	1360	0.13600001	0.117
TCDH008	48	49	350	1170	0.117	0.035
TCDH008	49	50	470	1780	0.178	4.70E-02
TCDH008	50	51	100	1220	0.122	1.00E-02
TCDH008	51	52	350	1230	0.123	0.035
TCDH008	52	53	50	800	8.00E-02	5.00E-03
TCDH008	53	54	270	1170	0.117	2.70E-02
TCDH008	54	55	240	9980	0.99800003	0.024
TCDH008	55	56	490	101000	10.1	4.90E-02
TCDH008	56	57	340	43000	4.3000002	3.40E-02
TCDH008	57	58	100	83400	8.3400002	1.00E-02
TCDH008	58	59	30	31700	3.1700001	0.003
TCDH008	59	60	150	180000	18	0.015
TCDH008	60	61	90	72100	7.21	9.00E-03
TCDH008	61	62	40	85500	8.5500002	4.00E-03
TCDH008	62	63	100	79100	7.9099998	1.00E-02
TCDH008	63	64	40	23600	2.3599999	4.00E-03
TCDH008	64	65	220	135500	13.55	0.022
TCDH008	65	66	40	28700	2.8699999	4.00E-03
TCDH008	66	67	70	94300	9.4300003	7.00E-03
TCDH008	67	68	110	111000	11.1	0.011
TCDH008	68	69	220	119000	11.9	0.022
TCDH008	69	71	330	149500	14.95	0.033
TCDH008	71	72	290	93000	9.3000002	2.90E-02
TCDH008	72	74.699997	1960	82900	8.29	0.19599999
TCDH008	74.699997	78	21300	119500	11.95	2.1300001
TCDH008	78	84.099998	13150	81300	8.1300001	1.3150001
TCDH008	84.099998	87.099998	59100	89400	8.9399996	5.9099998
TCDH008	87.099998	88	580	2870	0.287	5.80E-02
TCDH008	88	89	580	1350	0.13500001	5.80E-02
TCDH008	89	90	780	2700	0.27000001	7.80E-02
TCDH008	90	91	130	31500	3.1500001	0.013
TCDH008	91	92	380	45500	4.5500002	3.80E-02
TCDH008	92	93	440	80200	8.0200005	0.044
TCDH008	93	94	360	62000	6.1999998	3.60E-02
TCDH008	94	138	6590	239000	23.9	0.65899998
TCDH009	0	2	140	1280	0.12800001	0.014

TCDH009	2	4	60	750	7.50E-02	6.00E-03
TCDH009	4	6	40	560	5.60E-02	4.00E-03
TCDH009	6	8	20	390	3.90E-02	2.00E-03
TCDH009	8	10	60	310	3.10E-02	6.00E-03
TCDH009	10	12	50	540	5.40E-02	5.00E-03
TCDH009	12	14	130	470	4.70E-02	0.013
TCDH009	14	16	90	480	0.048	9.00E-03
TCDH009	16	18	770	880	0.088	0.077
TCDH009	18	20	230	550	0.055	0.023
TCDH009	20	22	150	590	0.059	0.015
TCDH009	22	24	180	1120	0.112	1.80E-02
TCDH009	24	26	230	580	5.80E-02	0.023
TCDH009	26	28	180	910	9.10E-02	1.80E-02
TCDH009	28	30	630	710	7.10E-02	6.30E-02
TCDH009	30	32	120	620	6.20E-02	0.012
TCDH009	32	34	110	300	3.00E-02	0.011
TCDH009	34	36	160	530	5.30E-02	1.60E-02
TCDH009	36	38	570	730	7.30E-02	0.057
TCDH009	38	41	510	520	5.20E-02	5.10E-02
TCDH009	41	43	400	940	9.40E-02	4.00E-02
TCDH009	43	45	290	910	9.10E-02	2.90E-02
TCDH009	45	47	3560	76400	7.6399999	0.35600001
TCDH009	47	50	830	12100	1.21	8.30E-02
TCDH009	50	56	6760	122000	12.2	0.676
TCDH009	56	57	2700	72100	7.21	0.27000001
TCDH009	57	58	230	48100	4.8099999	0.023
TCDH009	58	59	200	84500	8.4499998	0.02
TCDH009	59	60	-10	11300	1.13	-0.001
TCDH009	60	61	20	37400	3.74	2.00E-03
TCDH009	61	62	20	81400	8.1400003	2.00E-03
TCDH009	62	63	30	167000	16.700001	0.003
TCDH009	63	64	30	118000	11.8	0.003
TCDH009	64	65	120	107000	10.7	0.012
TCDH009	65	66	640	133000	13.3	6.40E-02
TCDH009	74	75	3150	84400	8.4399996	0.315
TCDH009	75	76	6720	87500	8.75	0.67199999
TCDH009	76	77	25200	138000	13.8	2.52
TCDH009	77	78	19300	37500	3.75	1.9299999
TCDH009	78	79	400	2940	0.294	4.00E-02
TCDH009	79	80	320	3240	0.324	3.20E-02
TCDH009	80	81	280	5880	0.588	2.80E-02
TCDH009	81	82	480	4160	0.41600001	0.048
TCDH009	82	83	420	5950	0.59500003	4.20E-02
TCDH009	83	86	190	1550	0.155	1.90E-02
TCDH009	86	89	560	34600	3.46	5.60E-02
TCDH009	89	92	3630	48600	4.8600001	0.36300001
TCDH009	92	97	5810	46000	4.5999999	0.58099997
TCDH009	97	98	2440	10400	1.04	0.244
TCDH009	98	99	610	3000	0.30000001	6.10E-02
TCDH009	99	100	1690	3340	0.33399999	0.169
TCDH009	100	101	770	3980	0.398	0.077
TCDH009	101	102	20200	29500	2.95	2.02
TCDH009	102	103	26900	27000	2.7	2.6900001
TCDH009	103	104	16650	30300	3.03	1.665
TCDH009	104	107	4250	26500	2.6500001	0.42500001
TCDH009	107	110	2380	13500	1.35	0.23800001
TCDH009	110	111	430	3730	0.373	4.30E-02
TCDH009	111	112	610	5370	0.537	6.10E-02
TCDH009	112	113	2140	4780	0.47799999	0.214
TCDH009	113	114	1270	8460	0.84600002	0.127
TCDH009	114	118.3	510	12200	1.22	5.10E-02
TCDH009	118.3	122	420	10400	1.04	4.20E-02
TCDH010	0	2	260	620	6.20E-02	2.60E-02

TCDH010	2	4	190	490	4.90E-02	1.90E-02
TCDH010	4	6	40	310	3.10E-02	4.00E-03
TCDH010	6	8	40	1080	0.108	4.00E-03
TCDH010	8	10	170	1110	0.111	1.70E-02
TCDH010	10	12	20	780	7.80E-02	2.00E-03
TCDH010	12	14	480	790	7.90E-02	0.048
TCDH010	14	16	300	1120	0.112	3.00E-02
TCDH010	16	18	50	1300	0.13	5.00E-03
TCDH010	18	20	-10	610	6.10E-02	-0.001
TCDH010	20	22	-10	1020	0.102	-0.001
TCDH010	22	26	280	1330	0.133	2.80E-02
TCDH010	26	28	390	1490	0.149	3.90E-02
TCDH010	28	30	50	1030	0.103	5.00E-03
TCDH010	30	32	50	3640	0.36399999	5.00E-03
TCDH010	32	33	60	85600	8.5600004	6.00E-03
TCDH010	33	34	20	85500	8.5500002	2.00E-03
TCDH010	34	35	60	43400	4.3400002	6.00E-03
TCDH010	35	36	10	2470	0.24699999	0.001
TCDH010	36	37	-10	8990	0.89899999	-0.001
TCDH010	37	38	80	98700	9.8699999	8.00E-03
TCDH010	38	39	80	51200	5.1199999	8.00E-03
TCDH010	39	40	200	55300	5.5300002	0.02
TCDH010	40	41	10	1660	0.16599999	0.001
TCDH010	41	42	10	1330	0.133	0.001
TCDH010	42	43	50	1770	0.177	5.00E-03
TCDH010	43	44	20	4540	0.454	2.00E-03
TCDH010	44	45	10	5540	0.55400002	0.001
TCDH010	45	46	60	127500	12.75	6.00E-03
TCDH010	46	47	30	13300	1.33	0.003
TCDH010	47	48	60	13100	1.3099999	6.00E-03
TCDH010	48	49	20	37600	3.76	2.00E-03
TCDH010	49	50	30	4040	0.40400001	0.003
TCDH010	50	51	20	21400	2.1400001	2.00E-03
TCDH010	51	52	70	66800	6.6799998	7.00E-03
TCDH010	52	53	130	63000	6.3000002	0.013
TCDH010	53	54	120	27800	2.78	0.012
TCDH010	54	55	10	6700	0.67000002	0.001
TCDH010	55	56	90	26100	2.6099999	9.00E-03
TCDH010	56	57	620	40300	4.0300002	6.20E-02
TCDH010	57	58	440	31600	3.1600001	0.044
TCDH010	58	59	210	2370	0.237	0.021
TCDH010	59	60	30	3800	0.38	0.003
TCDH010	60	62	170	1150	0.115	1.70E-02
TCDH010	62	64	110	570	0.057	0.011
TCDH010	64	66	100	650	6.50E-02	1.00E-02
TCDH010	66	68	100	750	7.50E-02	1.00E-02
TCDH010	68	70	90	210	0.021	9.00E-03
TCDH010	70	72	110	1130	0.113	0.011
TCDH010	72	74	440	4170	0.417	0.044
TCDH010	74	76	130	2610	0.26100001	0.013
TCDH010	76	78	60	1000	0.1	6.00E-03
TCDH010	78	80	60	8140	0.81400001	6.00E-03
TCDH010	80	81	40	18300	1.83	4.00E-03
TCDH010	81	82	470	105500	10.55	4.70E-02
TCDH010	82	83	150	52900	5.29	0.015
TCDH010	83	84	70	56200	5.6199999	7.00E-03
TCDH010	84	85	50	10500	1.05	5.00E-03
TCDH010	85	86	90	114000	11.4	9.00E-03
TCDH010	86	87	40	182500	18.25	4.00E-03
TCDH010	87	88	50	49900	4.9899998	5.00E-03
TCDH010	88	89	70	71500	7.1500001	7.00E-03
TCDH010	89	90	40	13900	1.39	4.00E-03
TCDH010	90	91	30	2560	0.25600001	0.003

TCDH010	91	92	30	2330	0.233	0.003
TCDH010	92	93	30	16700	1.67	0.003
TCDH010	93	94	30	19900	1.99	0.003
TCDH010	94	95	110	30300	3.03	0.011
TCDH010	95	96	110	1060	0.106	0.011
TCDH010	96	97	60	1240	0.124	6.00E-03
TCDH010	97	98	190	1310	0.131	1.90E-02
TCDH010	98	99	250	970	9.70E-02	0.025
TCDH010	99	100	110	860	8.60E-02	0.011
TCDH010	100	101	120	1110	0.111	0.012
TCDH010	101	102	160	7540	0.75400001	1.60E-02
TCDH010	102	103	270	7050	0.70499998	2.70E-02
TCDH010	103	104	260	1680	0.168	2.60E-02
TCDH010	104	105	760	5310	0.53100002	7.60E-02
TCDH010	105	106	810	4110	0.41100001	0.081
TCDH010	106	107	3770	10200	1.02	0.377
TCDH010	107	108	190	7170	0.71700001	1.90E-02
TCDH010	108	109	440	5900	0.58999997	0.044
TCDH010	109	110	350	4800	0.47999999	0.035
TCDH010	110	111	270	2360	0.236	2.70E-02
TCDH010	111	112	240	20900	2.0899999	0.024
TCDH010	112	113	170	11700	1.17	1.70E-02
TCDH010	113	114	80	6460	0.64600003	8.00E-03
TCDH010	114	115	110	5040	0.50400001	0.011
TCDH010	115	116	250	53700	5.3699999	0.025
TCDH010	116	117	620	75100	7.5100002	6.20E-02
TCDH010	117	118	370	38200	3.8199999	0.037
TCDH010	118	119	1090	19000	1.9	0.109
TCDH010	119	120	530	9020	0.90200001	5.30E-02
TCDH010	120	121	360	35700	3.5699999	3.60E-02
TCDH010	121	122	190	20500	2.05	1.90E-02
TCDH010	122	124	350	18000	1.8	0.035
TCDH010	124	126	2300	33100	3.3099999	0.23
TCDH010	126	128	3690	24300	2.4300001	0.36899999
TCDH010	128	130	8640	28800	2.8800001	0.86400002
TCDH010	130	131	5850	27200	2.72	0.58499998
TCDH010	131	132	8410	15600	1.5599999	0.84100002
TCDH010	132	133	5990	26700	2.6700001	0.59899998
TCDH010	133	134	4050	13500	1.35	0.405
TCDH010	134	135	15300	39100	3.9100001	1.53
TCDH010	135	136	3020	10600	1.0599999	0.30199999
TCDH010	136	137	2820	15100	1.51	0.28200001
TCDH010	137	138	4410	9250	0.92500001	0.44100001
TCDH010	138	139	2920	4380	0.43799999	0.292
TCDH010	139	140	3930	11500	1.15	0.39300001
TCDH010	140	141	3890	9470	0.94700003	0.389
TCDH010	141	144	3450	13000	1.3	0.345
TCDH010	144	146.3	12650	23000	2.3	1.265
TCDH010	146.3	147	6020	13000	1.3	0.602
TCDH010	147	148	16600	29000	2.9000001	1.66
TCDH010	148	150	32100	44700	4.4699998	3.21
TCDH010	153	154	3450	45200	4.52	0.345
TCDH010	154	155	3040	48200	4.8200002	0.30399999
TCDH010	155	156	3510	49300	4.9299998	0.35100001
TCDH010	156	157	3990	78700	7.8699999	0.39899999
TCDH010	157	158	9210	64600	6.46	0.921
TCDH010	158	159	8520	59900	5.9899998	0.852
TCDH010	159	160	9760	73400	7.3400002	0.97600001
TCDH010	160	161	8170	61000	6.0999999	0.81699997
TCDH010	161	162	16750	54200	5.4200001	1.675
TCDH010	162	163	1620	25200	2.52	0.162
TCDH010	163	165	1060	14000	1.4	0.106
TCDH010	165	166	80	15900	1.59	8.00E-03

TCDH010	166	167	250	16500	1.65	0.025
TCDH010	167	168	510	11400	1.14	5.10E-02
TCDH010	168	169	220	11100	1.11	0.022
TCDH010	169	170	420	15500	1.55	4.20E-02
TCDH010	170	171	810	13500	1.35	0.081
TCDH010	171	174	7020	34600	3.46	0.70200002
TCDH010	187	188	80	4160	0.41600001	8.00E-03
TCDH010	188	189	220	29900	2.99	0.022
TCDH010	189	190	30	32800	3.28	0.003
TCDH010	190	191	20	21100	2.1099999	2.00E-03
TCDH010	191	192	20	27300	2.73	2.00E-03
TCDH010	192	193	10	34200	3.4200001	0.001
TCDH010	193	194	30	42300	4.23	0.003
TCDH010	194	195	430	42700	4.27	4.30E-02
TCDH010	195	196	30	30600	3.0599999	0.003
TCDH010	196	197	20	32600	3.26	2.00E-03
TCDH010	197	198	10	21400	2.1400001	0.001
TCDH010	198	199	90	22600	2.26	9.00E-03
TCDH010	199	200	50	28000	2.8	5.00E-03
TCDH010	200	201	20	26300	2.6300001	2.00E-03
TCDH010	201	202	290	42700	4.27	2.90E-02
TCDH010	202	203	60	45300	4.5300002	6.00E-03
TCDH010	203	204	230	63100	6.3099999	0.023
TCDH010	204	205	540	41000	4.0999999	5.40E-02
TCDH010	205	206	110	32500	3.25	0.011
TCDH010	206	207	60	16900	1.6900001	6.00E-03
TCDH010	207	208	20	4020	0.40200001	2.00E-03
TCDH010	208	209	10	2950	0.29499999	0.001
TCDH010	209	210	20	8330	0.833	2.00E-03
TCDH010	210	211	20	8330	0.833	2.00E-03
TCDH010	211	212	20	2890	0.289	2.00E-03
TCDH010	212	213	30	11200	1.12	0.003
TCDH010	213	214	40	8170	0.81699997	4.00E-03
TCDH010	214	215	30	4780	0.47799999	0.003
TCDH010	215	216	20	2640	0.264	2.00E-03
TCDH010	216	217	60	18800	1.88	6.00E-03
TCDH010	217	218	30	28000	2.8	0.003
TCDH010	218	219	310	43200	4.3200002	3.10E-02
TCDH010	219	220	80	46200	4.6199999	8.00E-03
TCDH010	220	221	30	23600	2.3599999	0.003
TCDH010	221	222	20	27500	2.75	2.00E-03
TCDH010	222	223	70	9860	0.986	7.00E-03
TCDH010	223	224	50	33800	3.3800001	5.00E-03
TCDH010	224	225	90	44800	4.48	9.00E-03
TCDH010	225	226	90	18600	1.86	9.00E-03
TCDH010	226	227	50	12500	1.25	5.00E-03
TCDH010	227	228	30	5620	0.56199998	0.003
TCDH010	228	229	40	9770	0.977	4.00E-03
TCDH010	229	230	30	6620	0.662	0.003
TCDH010	230	231	50	31500	3.1500001	5.00E-03
TCDH010	231	232	50	10300	1.03	5.00E-03
TCDH010	232	233	40	11800	1.1799999	4.00E-03
TCDH010	233	234	80	10900	1.09	8.00E-03
TCDH010	234	235	120	18100	1.8099999	0.012
TCDH010	235	236	60	30500	3.05	6.00E-03
TCDH010	236	237	20	18800	1.88	2.00E-03
TCDH010	237	238	50	30600	3.0599999	5.00E-03
TCDH010	238	239	30	21300	2.1300001	0.003
TCDH010	239	240	30	46700	4.6700001	0.003
TCDH010	240	241	50	23300	2.3299999	5.00E-03
TCDH010	241	242	40	25000	2.5	4.00E-03
TCDH010	242	243	13350	68500	6.8499999	1.335
TCDH010	243	244	8930	46700	4.6700001	0.89300001

TCDH010	244	245	1290	15400	1.54	0.12899999
TCDH010	245	246	20	74000	7.4000001	2.00E-03
TCDH010	246	247	570	25800	2.5799999	0.057
TCDH010	247	248	110	35000	3.5	0.011
TCDH010	248	249	70	50600	5.0599999	7.00E-03
TCDH010	249	250	70	36600	3.6600001	7.00E-03
TCDH010	250	251	50	34600	3.46	5.00E-03
TCDH010	251	252	90	25000	2.5	9.00E-03
TCDH010	252	253	40	50300	5.0300002	4.00E-03
TCDH010	253	254	30	39200	3.9200001	0.003
TCDH010	254	255	20	19900	1.99	2.00E-03
TCDH010	255	256	2240	60600	6.0599999	0.22400001
TCDH010	256	257	110	31800	3.1800001	0.011
TCDH010	257	258	120	40400	4.04	0.012
TCDH010	258	259	410	31200	3.1199999	4.10E-02
TCDH010	259	260	440	31400	3.1400001	0.044
TCDH010	260	261	290	33900	3.3900001	2.90E-02
TCDH010	261	262	750	91600	9.1599998	7.50E-02
TCDH010	262	263	270	35700	3.5699999	2.70E-02
TCDH010	263	264	3380	69400	6.9400001	0.338
TCDH010	264	265	2270	44400	4.4400001	0.227
TCDH010	265	266	2010	42800	4.2800002	0.20100001
TCDH010	266	267	650	34300	3.4300001	6.50E-02
TCDH010	267	268	380	39100	3.9100001	3.80E-02
TCDH010	268	269	470	40400	4.04	4.70E-02
TCDH010	269	270	1540	33100	3.3099999	0.154
TCDH010	270	271	760	42800	4.2800002	7.60E-02
TCDH010	271	272	1140	80400	8.04	0.114
TCDH010	272	273	2140	42600	4.2600002	0.214
TCDH010	273	274	360	34900	3.49	3.60E-02
TCDH010	274	275	240	27000	2.7	0.024
TCDH010	275	276	70	26000	2.5999999	7.00E-03
TCDH010	276	277	110	24700	2.47	0.011
TCDH010	277	278	20	35800	3.5799999	2.00E-03
TCDH010	278	279	20	27300	2.73	2.00E-03
TCDH010	279	280	80	14950	1.495	8.00E-03
TCDH010	280	281	30	10800	1.08	0.003
TCDH010	281	282	40	45300	4.5300002	4.00E-03
TCDH010	282	283	100	44700	4.4699998	1.00E-02
TCDH010	283	284	590	27900	2.79	0.059
TCDH010	284	285	710	30600	3.0599999	7.10E-02
TCDH010	285	286	830	26300	2.6300001	8.30E-02
TCDH010	286	287	580	33600	3.3599999	5.80E-02
TCDH010	287	288	1480	39200	3.9200001	0.148
TCDH010	288	289	780	25600	2.5599999	7.80E-02
TCDH010	289	290	1940	20300	2.03	0.19400001
TCDH010	290	291	260	55800	5.5799999	2.60E-02
TCDH010	291	292	2850	30200	3.02	0.285
TCDH010	292	293	340	30100	3.01	3.40E-02
TCDH010	293	294	860	67300	6.73	8.60E-02
TCDH010	294	295	4670	34000	3.4000001	0.46700001
TCDH010	295	296	4600	40100	4.0100002	0.46000001
TCDH010	296	297	3160	37300	3.73	0.31600001
TCDH010	297	298	4360	44300	4.4299998	0.43599999
TCDH010	298	299	990	58300	5.8299999	9.90E-02
TCDH010	299	300	3610	63100	6.3099999	0.361
TCDH010	300	301	790	94500	9.4499998	7.90E-02
TCDH010	301	302	560	93200	9.3199997	5.60E-02
TCDH010	302	303	14250	88300	8.8299999	1.425
TCDH010	303	304	9690	91500	9.1499996	0.96899998
TCDH010	304	305	2700	51900	5.1900001	0.27000001
TCDH010	305	306	3670	106500	10.65	0.36700001
TCDH010	306	307	1060	160000	16	0.106

TCDH010	307	308	860	172000	17.200001	8.60E-02
TCDH010	308	309	490	55800	5.5799999	4.90E-02
TCDH010	309	310	70	42200	4.2199998	7.00E-03
TCDH010	310	311	50	123000	12.3	5.00E-03
TCDH010	311	312	2040	133000	13.3	0.204
TCDH010	312	313	2920	62500	6.25	0.292
TCDH010	313	314	520	99700	9.9700003	5.20E-02
TCDH010	314	315	230	41800	4.1799998	0.023
TCDH010	315	316	9440	72400	7.2399998	0.94400001
TCDH010	316	317	650	93500	9.3500004	6.50E-02
TCDH010	317	318	3390	19400	1.9400001	0.33899999
TCDH010	318	319	8340	28000	2.8	0.83399999
TCDH010	319	320	4860	21200	2.1199999	0.486
TCDH010	320	321	30	350	0.035	0.003
TCDH010	321	322	150	38100	3.8099999	0.015
TCDH010	322	323	340	110500	11.05	3.40E-02
TCDH010	323	324	240	39400	3.9400001	0.024
TCDH010	324	325	280	72500	7.25	2.80E-02
TCDH010	325	326	1690	39300	3.9300001	0.169
TCDH010	326	327	1710	43100	4.3099999	0.171
TCDH010	327	328	20	100	1.00E-02	2.00E-03
TCDH010	328	330	20	100	1.00E-02	2.00E-03
TCDH010	330	332	30	40	4.00E-03	0.003
TCDH010	332	334	20	40	4.00E-03	2.00E-03
TCDH010	334	336	10	20	2.00E-03	0.001
TCDH010	336	338	10	20	2.00E-03	0.001
TCDH010	338	340	10	20	2.00E-03	0.001
TCDH010	340	342	20	10	0.001	2.00E-03
TCDH010	342	344	20	10	0.001	2.00E-03
TCDH010	344	346	20	10	0.001	2.00E-03
TCDH010	346	348	20	10	0.001	2.00E-03
TCDH010	348	352	20	10	0.001	2.00E-03
TCDH010	352	354	30	20	2.00E-03	0.003
TCDH011	0	2	250	550	0.055	0.025
TCDH011	2	4	310	560	5.60E-02	3.10E-02
TCDH011	4	6	610	680	6.80E-02	6.10E-02
TCDH011	6	8	1050	860	8.60E-02	0.105
TCDH011	8	11.2	4060	2300	0.23	0.40599999
TCDH011	14.2	18	2180	2270	0.227	0.21799999
TCDH011	18	20	6530	8070	0.80699998	0.653
TCDH011	20	21	840	2600	0.25999999	8.40E-02
TCDH011	21	22	1960	187000	18.700001	0.19599999
TCDH011	22	23	3700	29600	2.96	0.37
TCDH011	23	24	4120	218000	21.799999	0.412
TCDH011	24	25	3530	129500	12.95	0.35299999
TCDH011	25	26	3490	64200	6.4200001	0.34900001
TCDH011	26	29.200001	2790	51000	5.0999999	0.27900001
TCDH011	29.200001	31	16250	46600	4.6599998	1.625
TCDH011	31	32	22700	31100	3.1099999	2.27
TCDH011	32	33	3200	21400	2.1400001	0.31999999
TCDH011	33	34	4360	16800	1.6799999	0.43599999
TCDH011	34	35.200001	7080	19200	1.92	0.708
TCDH011	38.200001	41	9390	63500	6.3499999	0.93900001
TCDH011	41	42	3490	18100	1.8099999	0.34900001
TCDH011	42	43	1320	15100	1.51	0.132
TCDH011	43	44	5470	26500	2.6500001	0.54699999
TCDH011	44	45	2650	35500	3.55	0.26499999
TCDH011	45	46	790	15100	1.51	7.90E-02
TCDH011	46	47	4170	44300	4.4299998	0.417
TCDH011	47	48	3580	105500	10.55	0.35800001
TCDH011	48	49	6020	93600	9.3599997	0.602
TCDH011	49	50.200001	5710	78900	7.8899999	0.57099998
TCDH011	50.200001	53.200001	2780	97300	9.7299995	0.278

TCDH011	53.200001	56.200001	2370	57700	5.77	0.237
TCDH011	56.200001	59.200001	4040	47800	4.7800002	0.40400001
TCDH011	59.200001	60	1470	7310	0.73100001	0.147
TCDH011	60	61	1160	8990	0.89899999	0.116
TCDH011	61	62.200001	990	14400	1.4400001	9.90E-02
TCDH011	62.200001	64.800003	21900	96400	9.6400003	2.1900001
TCDH011	64.800003	67.800003	1030	153000	15.3	0.103
TCDH011	77.199997	78	5750	79300	7.9299998	0.57499999
TCDH011	78	79	3780	32600	3.26	0.37799999
TCDH011	79	80	1500	25900	2.5899999	0.15000001
TCDH011	80	81	6340	52600	5.2600002	0.634
TCDH011	81	82	1850	20500	2.05	0.185
TCDH011	82	83	2830	25700	2.5699999	0.28299999
TCDH011	83	84	4120	30100	3.01	0.412
TCDH011	84	85	990	7790	0.77899998	9.90E-02
TCDH011	85	86	1100	7170	0.71700001	0.11
TCDH011	86	87	200	2670	0.26699999	0.02
TCDH011	87	89.199997	340	3130	0.31299999	3.40E-02
TCDH011	89.199997	90	140	4670	0.46700001	0.014
TCDH011	90	91	210	9540	0.954	0.021
TCDH011	91	92	780	9360	0.93599999	7.80E-02
TCDH011	92	93	1520	22800	2.28	0.152
TCDH011	93	95.199997	950	46100	4.6100001	9.50E-02
TCDH011	95.199997	96	510	51700	5.1700001	5.10E-02
TCDH011	96	97	560	73500	7.3499999	5.60E-02
TCDH011	97	98	370	67800	6.7800002	0.037
TCDH011	98	99	2110	76500	7.6500001	0.211
TCDH011	99	100	2010	80500	8.0500002	0.20100001
TCDH011	100	101	3790	118500	11.85	0.37900001
TCDH011	101	102	2240	136500	13.65	0.22400001
TCDH011	102	103	1940	138500	13.85	0.19400001
TCDH011	103	104	1490	79600	7.96	0.149
TCDH011	104	105	1290	44100	4.4099998	0.12899999
TCDH011	105	107.2	1670	12600	1.26	0.167
TCDH011	107.2	110.2	6050	12400	1.24	0.60500002
TCDH011	110.2	111	2500	44000	4.4000001	0.25
TCDH011	111	113	590	7010	0.70099998	0.059
TCDH011	113	114	160	1960	0.19599999	1.60E-02
TCDH011	114	115	260	1630	0.163	2.60E-02
TCDH011	115	116	100	710	7.10E-02	1.00E-02
TCDH011	116	117	230	3320	0.33199999	0.023
TCDH011	117	118	160	1670	0.167	1.60E-02
TCDH011	118	119.2	300	2410	0.241	3.00E-02
TCDH011	119.2	122.2	700	13300	1.33	0.07
TCDH011	122.2	125.2	880	9450	0.94499999	0.088
TCDH011	125.2	128.2	1290	61300	6.1300001	0.12899999
TCDH011	137.2	139	720	3050	0.30500001	7.20E-02
TCDH011	139	141	970	7440	0.74400002	9.70E-02
TCDH011	141	143	2460	19700	1.97	0.24600001
TCDH011	143	144	840	7510	0.75099999	8.40E-02
TCDH011	144	146.2	550	5060	0.50599998	0.055
TCDH011	149.2	152.2	440	5880	0.588	0.044
TCDH011	152.2	153	1210	8970	0.89700001	0.121
TCDH012	0	2	120	420	4.20E-02	0.012
TCDH012	2	4	110	570	0.057	0.011
TCDH012	4	6	110	300	3.00E-02	0.011
TCDH012	6	8	200	12500	1.25	0.02
TCDH012	8	10	10	280	2.80E-02	0.001
TCDH012	10	12	10	650	6.50E-02	0.001
TCDH012	12	14	10	680	6.80E-02	0.001
TCDH012	14	15	20	5240	0.52399999	2.00E-03
TCDH012	15	16	10	28100	2.8099999	0.001
TCDH012	16	17	570	950	9.50E-02	0.057

TCDH012	17	18	320	2120	0.212	3.20E-02
TCDH012	18	20	160	780	7.80E-02	1.60E-02
TCDH012	20	24	40	680	6.80E-02	4.00E-03
TCDH012	24	26	80	770	0.077	8.00E-03
TCDH012	26	28	20	800	8.00E-02	2.00E-03
TCDH012	28	30	20	890	8.90E-02	2.00E-03
TCDH012	30	32	130	1230	0.123	0.013
TCDH012	32	34	60	720	7.20E-02	6.00E-03
TCDH012	34	35	410	1930	0.193	4.10E-02
TCDH012	35	36	30	15600	1.5599999	0.003
TCDH012	36	37	40	1190	0.119	4.00E-03
TCDH012	37	38	60	6330	0.63300002	6.00E-03
TCDH012	38	39	190	11400	1.14	1.90E-02
TCDH012	39	40	260	13700	1.37	2.60E-02
TCDH012	40	41	230	15100	1.51	0.023
TCDH012	41	42	160	3220	0.322	1.60E-02
TCDH012	42	43	60	6370	0.63700002	6.00E-03
TCDH012	43	44	30	14800	1.48	0.003
TCDH012	44	45	10	18800	1.88	0.001
TCDH012	45	46	20	1410	0.141	2.00E-03
TCDH012	46	47	40	1070	0.107	4.00E-03
TCDH012	47	49	40	1340	0.134	4.00E-03
TCDH012	49	51	70	920	0.092	7.00E-03
TCDH012	51	53	450	880	0.088	4.50E-02
TCDH012	53	55	680	700	0.07	6.80E-02
TCDH012	55	57	540	760	7.60E-02	5.40E-02
TCDH012	57	59	1080	980	9.80E-02	0.108
TCDH012	59	61	240	650	6.50E-02	0.024
TCDH012	61	63	150	730	7.30E-02	0.015
TCDH012	63	65	460	1360	0.13600001	0.046
TCDH012	65	66	810	960	9.60E-02	0.081
TCDH012	66	67	620	1300	0.13	6.20E-02
TCDH012	67	68	250	8310	0.83099997	0.025
TCDH012	68	69	170	37000	3.7	1.70E-02
TCDH012	69	70	80	4740	0.47400001	8.00E-03
TCDH012	70	71	-10	6690	0.66900003	-0.001
TCDH012	71	73	380	12000	1.2	3.80E-02
TCDH012	73	75	-10	-10	-0.001	-0.001
TCDH012	75	77	150	18200	1.8200001	0.015
TCDH012	77	80	200	24200	2.4200001	0.02
TCDH012	80	83	380	8460	0.84600002	3.80E-02
TCDH012	83	86	220	4470	0.447	0.022
TCDH012	86	88	350	2240	0.22400001	0.035
TCDH012	88	90	250	1510	0.15099999	0.025
TCDH012	90	92	210	4220	0.42199999	0.021
TCDH012	92	95	280	6280	0.62800002	2.80E-02
TCDH012	98	101	430	5200	0.51999998	4.30E-02
TCDH012	104	107	450	13500	1.35	4.50E-02
TCDH012	107	110	2200	133500	13.35	0.22
TCDH012	110	113	26000	226000	22.6	2.5999999
TCDH012	113	114	190	25900	2.5899999	1.90E-02
TCDH012	114	115	530	53900	5.3899999	5.30E-02
TCDH012	115	116	400	49100	4.9099998	4.00E-02
TCDH012	116	117	360	22800	2.28	3.60E-02
TCDH012	117	118	430	27300	2.73	4.30E-02
TCDH012	118	119	540	55500	5.5500002	5.40E-02
TCDH012	119	120	1580	59700	5.9699998	0.15800001
TCDH012	120	121	420	35300	3.53	4.20E-02
TCDH012	121	122	350	16100	1.61	0.035
TCDH012	122	123	4970	52700	5.27	0.49700001
TCDH012	123	124	980	22100	2.21	9.80E-02
TCDH012	124	125	380	24100	2.4100001	3.80E-02
TCDH012	125	128	600	11100	1.11	6.00E-02

TCDH012	128	131	2030	20900	2.0899999	0.20299999
TCDH012	131	134	23900	49000	4.9000001	2.3900001
TCDH012	134	137	13800	74000	7.4000001	1.38
TCDH012	137	138	25300	197500	19.75	2.53
TCDH012	138	139	26800	73900	7.3899999	2.6800001
TCDH012	139	140	17800	64500	6.4499998	1.78
TCDH012	140	143	12550	67900	6.79	1.255
TCDH012	143	146	1630	48100	4.8099999	0.163
TCDH012	149	152	3650	42400	4.2399998	0.36500001
TCDH012	155	158	2860	62800	6.2800002	0.28600001
TCDH012	161	162	4940	156500	15.65	0.49399999
TCDH012	162	163	6860	208000	20.799999	0.68599999
TCDH012	163	164	15250	113500	11.35	1.525
TCDH012	164	165	8460	24100	2.4100001	0.84600002
TCDH012	165	166	3980	31900	3.1900001	0.398
TCDH012	166	167	3560	63900	6.3899999	0.35600001
TCDH012	167	169	3070	45100	4.5100002	0.30700001
TCDH012	169	170	210	83000	8.3000002	0.021
TCDH012	170	171	530	64000	6.4000001	5.30E-02
TCDH012	171	172	3490	46900	4.6900001	0.34900001
TCDH012	172	173	330	26200	2.6199999	0.033
TCDH012	173	174	110	30300	3.03	0.011
TCDH012	174	175	5060	55000	5.5	0.50599998
TCDH012	175	176	2050	41700	4.1700001	0.205
TCDH012	176	177	460	26100	2.6099999	0.046
TCDH012	177	178	630	42800	4.2800002	6.30E-02
TCDH012	178	179	690	32800	3.28	6.90E-02
TCDH012	179	180	350	36000	3.5999999	0.035
TCDH012	180	181	440	33600	3.3599999	0.044
TCDH012	181	182	600	39800	3.98	6.00E-02
TCDH012	182	183	150	21700	2.1700001	0.015
TCDH012	183	184	40	21300	2.1300001	4.00E-03
TCDH012	184	185	30	12500	1.25	0.003
TCDH012	185	186	440	16500	1.65	0.044
TCDH012	186	187	200	4960	0.49599999	0.02
TCDH012	187	188	2250	62600	6.2600002	0.22499999
TCDH012	188	189	260	13400	1.34	2.60E-02
TCDH012	189	190	450	18700	1.87	4.50E-02
TCDH012	190	191	30	13200	1.3200001	0.003
TCDH012	191	192	220	15300	1.53	0.022
TCDH012	192	193	590	28700	2.8699999	0.059
TCDH012	193	194	50	15400	1.54	5.00E-03
TCDH012	194	195	280	17000	1.7	2.80E-02
TCDH012	195	196	350	58800	5.8800001	0.035
TCDH012	196	197	920	23000	2.3	0.092
TCDH012	197	198	2630	35500	3.55	0.26300001
TCDH012	198	199	500	28300	2.8299999	5.00E-02
TCDH012	199	200	6940	32600	3.26	0.69400001
TCDH012	200	201	660	30100	3.01	0.066
TCDH012	201	202	520	36000	3.5999999	5.20E-02
TCDH012	202	203	6630	51500	5.1500001	0.66299999
TCDH012	203	204	1210	46200	4.6199999	0.121
TCDH012	204	205	590	27400	2.74	0.059
TCDH012	205	206	130	33000	3.3	0.013
TCDH012	206	207	1180	25700	2.5699999	0.118
TCDH012	207	208	1140	19900	1.99	0.114
TCDH012	208	209	270	19700	1.97	2.70E-02
TCDH012	209	210	290	14600	1.46	2.90E-02
TCDH012	210	211	200	14100	1.41	0.02
TCDH012	211	212	1660	16200	1.62	0.16599999
TCDH012	212	213	640	19550	1.955	6.40E-02
TCDH012	213	214	2840	34900	3.49	0.28400001
TCDH012	214	215	1070	21100	2.1099999	0.107

TCDH012	215	216	500	22700	2.27	5.00E-02
TCDH012	216	217	2770	21200	2.1199999	0.27700001
TCDH012	217	218	610	18300	1.83	6.10E-02
TCDH012	218	219	3810	33200	3.3199999	0.38100001
TCDH012	219	220	4750	33800	3.3800001	0.47499999
TCDH012	220	221	2620	37700	3.77	0.26199999
TCDH012	221	222	170	26700	2.6700001	1.70E-02
TCDH012	222	223	110	28700	2.8699999	0.011
TCDH012	223	224	14350	32200	3.22	1.4349999
TCDH012	224	225	760	28600	2.8599999	7.60E-02
TCDH012	225	226	4010	33600	3.3599999	0.40099999
TCDH012	226	227	600	36000	3.5999999	6.00E-02
TCDH012	227	228	160	36000	3.5999999	1.60E-02
TCDH012	228	229	150	28600	2.8599999	0.015
TCDH012	229	230	310	35300	3.53	3.10E-02
TCDH012	230	231	70	45900	4.5900002	7.00E-03
TCDH012	231	232	1230	34700	3.47	0.123
TCDH012	232	233	200	36700	3.6700001	0.02
TCDH012	233	234	50	19300	1.9299999	5.00E-03
TCDH012	234	235	160	23300	2.3299999	1.60E-02
TCDH012	235	236	390	15900	1.59	3.90E-02
TCDH012	236	237	760	49400	4.9400001	7.60E-02
TCDH012	237	238	2450	70000	7	0.245
TCDH012	238	239	850	33600	3.3599999	8.50E-02
TCDH012	239	240	4420	37500	3.75	0.442
TCDH012	240	241	30	10600	1.0599999	0.003
TCDH012	241	242	100	26000	2.5999999	1.00E-02
TCDH012	242	243	3720	89900	8.9899998	0.37200001
TCDH012	243	244	4690	59600	5.96	0.46900001
TCDH012	244	245	2100	112500	11.25	0.20999999
TCDH012	245	246	1500	65700	6.5700002	0.15000001
TCDH012	246	247	170	87500	8.75	1.70E-02
TCDH012	247	248	380	92100	9.21	3.80E-02
TCDH012	248	249	40	92300	9.2299995	4.00E-03
TCDH012	249	250	150	85600	8.5600004	0.015
TCDH012	250	251	610	197500	19.75	6.10E-02
TCDH012	251	252	260	96300	9.6300001	2.60E-02
TCDH012	252	253	390	46900	4.6900001	3.90E-02
TCDH012	253	254	560	37000	3.7	5.60E-02
TCDH012	254	256	1000	49100	4.9099998	0.1
TCDH012	256	258	1310	41200	4.1199999	0.131
TCDH012	258	260	640	49200	4.9200001	6.40E-02
TCDH012	260	261	210	16900	1.6900001	0.021
TCDH012	261	262.5	320	41300	4.1300001	3.20E-02
TCDH012	262.5	263.20001	660	104500	10.45	0.066
TCDH012	263.20001	266	120	450	4.50E-02	0.012
TCDH012	266	268	110	600	6.00E-02	0.011
TCDH012	268	270	60	80	8.00E-03	6.00E-03
TCDH012	270	272	30	40	4.00E-03	0.003
TCDH012	272	274	20	50	5.00E-03	2.00E-03
TCDH012	274	276	10	40	4.00E-03	0.001
TCDH012	276	278	20	60	6.00E-03	2.00E-03
TCDH012	278	280	30	50	5.00E-03	0.003
TCDH013	0	4	170	690	6.90E-02	1.70E-02
TCDH013	4	6	300	840	8.40E-02	3.00E-02
TCDH013	6	8	1170	1620	0.162	0.117
TCDH013	8	10	5780	6430	0.64300001	0.57800001
TCDH013	10	12	5790	3910	0.391	0.579
TCDH013	12	14	49100	18000	1.8	4.9099998
TCDH013	14	16	2470	2110	0.211	0.24699999
TCDH013	16	18	4570	2660	0.266	0.45699999
TCDH013	18	20	2110	1270	0.127	0.211
TCDH013	20	22	9930	2860	0.28600001	0.99299997

TCDH013	22	24	5890	1650	0.16500001	0.58899999
TCDH013	24	26	11750	2020	0.20200001	1.175
TCDH013	26	28	990	640	6.40E-02	9.90E-02
TCDH013	28	30	1660	1330	0.133	0.16599999
TCDH013	30	32	1320	1300	0.13	0.132
TCDH013	32	34	1150	990	9.90E-02	0.115
TCDH013	34	35	2320	1770	0.177	0.23199999
TCDH013	35	36	510	2020	0.20200001	5.10E-02
TCDH013	36	37	220	4610	0.461	0.022
TCDH013	37	38	520	22400	2.24	5.20E-02
TCDH013	38	39	2280	22400	2.24	0.228
TCDH013	39	40	1880	40800	4.0799999	0.18799999
TCDH013	40	41	1420	37200	3.72	0.142
TCDH013	41	42	1070	48300	4.8299999	0.107
TCDH013	42	43	1700	15200	1.52	0.17
TCDH013	43	44	1670	41900	4.1900001	0.167
TCDH013	44	45	870	79100	7.9099998	8.70E-02
TCDH013	45	46	2920	58500	5.8499999	0.292
TCDH013	46	47	2310	44900	4.4899998	0.23100001
TCDH013	47	48	160	16200	1.62	1.60E-02
TCDH013	48	49	70	8580	0.85799998	7.00E-03
TCDH013	49	50	130	7360	0.736	0.013
TCDH013	50	51	2730	23700	2.3699999	0.273
TCDH013	51	52	2590	24300	2.4300001	0.259
TCDH013	52	53	1540	18400	1.84	0.154
TCDH013	53	54	1260	14000	1.4	0.126
TCDH013	54	55	1560	21900	2.1900001	0.156
TCDH013	55	56	200	11100	1.11	0.02
TCDH013	56	57	700	11300	1.13	0.07
TCDH013	57	58	250	4500	0.44999999	0.025
TCDH013	58	59	1250	91899.992	9.1899996	0.125
TCDH013	59	60	170	4950	0.495	1.70E-02
TCDH013	60	61	200	13700	1.37	0.02
TCDH013	61	62	550	7650	0.76499999	0.055
TCDH013	62	63	4860	40000	4	0.486
TCDH013	63	64	1380	28500	2.8499999	0.138
TCDH013	64	65	140	12300	1.23	0.014
TCDH013	65	66	150	6640	0.66399997	0.015
TCDH013	66	67	290	37900	3.79	2.90E-02
TCDH013	67	68	510	75100	7.5100002	5.10E-02
TCDH013	68	69	100	19900	1.99	1.00E-02
TCDH013	69	70	210	17300	1.73	0.021
TCDH013	70	71	380	83900	8.3900003	3.80E-02
TCDH013	71	72	240	22500	2.25	0.024
TCDH013	72	73	1200	72400	7.2399998	0.12
TCDH013	73	74	980	14500	1.45	9.80E-02
TCDH013	74	75	150	51500	5.1500001	0.015
TCDH013	75	76	150	13300	1.33	0.015
TCDH013	76	77	430	9630	0.963	4.30E-02
TCDH013	77	78	80	610	6.10E-02	8.00E-03
TCDH013	78	79	30	12800	1.28	0.003
TCDH013	79	80	100	6830	0.68300003	1.00E-02
TCDH013	80	81	2570	18100	1.8099999	0.257
TCDH013	81	82	4730	28300	2.8299999	0.47299999
TCDH013	82	83	1750	9120	0.912	0.175
TCDH013	83	84	180	650	6.50E-02	1.80E-02
TCDH013	84	85	100	450	4.50E-02	1.00E-02
TCDH013	85	86	50	190	1.90E-02	5.00E-03
TCDH013	86	88	50	110	0.011	5.00E-03
TCDH013	88	90	70	120	0.012	7.00E-03
TCDH013	90	92	100	140	0.014	1.00E-02
TCDH013	92	96	950	16400	1.64	9.50E-02
TCDH013	96	98	6460	27100	2.71	0.64600003

TCDH013	98	100	5860	37200	3.72	0.58600003
TCDH013	100	102	5330	74900	7.4899998	0.53299999
TCDH013	102	105	11800	75500	7.5500002	1.1799999
TCDH013	105	108	12700	76400	7.6399999	1.27
TCDH013	108	111	9270	74200	7.4200001	0.92699999
TCDH013	111	113	8820	50200	5.02	0.88200003
TCDH013	113	114	5020	29200	2.9200001	0.50199997
TCDH013	114	116	5160	38000	3.8	0.51599997
TCDH013	117	118	3010	13500	1.35	0.301
TCDH013	118	120	1980	9830	0.98299998	0.198
TCDH013	120	122	4910	13300	1.33	0.491
TCDH013	122	123	4520	21300	2.1300001	0.45199999
TCDH013	123	124	1700	21900	2.1900001	0.17
TCDH013	124	125	300	15200	1.52	3.00E-02
TCDH013	125	126	330	15700	1.5700001	0.033
TCDH013	126	127	450	34200	3.4200001	4.50E-02
TCDH013	127	128	1410	5950	0.59500003	0.141
TCDH013	128	129	2310	3200	0.31999999	0.23100001
TCDH013	129	130	870	18400	1.84	8.70E-02
TCDH013	130	131	1320	36200	3.6199999	0.132
TCDH013	131	132	5320	8280	0.82800001	0.53200001
TCDH013	132	133	860	2060	0.206	8.60E-02
TCDH013	133	134	1370	7100	0.70999998	0.13699999
TCDH013	134	135	930	16500	1.65	9.30E-02
TCDH013	135	136	500	16200	1.62	5.00E-02
TCDH013	136	137	510	18100	1.8099999	5.10E-02
TCDH013	137	138	1060	4790	0.479	0.106
TCDH013	138	139	390	2800	0.28	3.90E-02
TCDH013	139	140	300	3720	0.37200001	3.00E-02
TCDH013	140	141	650	5620	0.56199998	6.50E-02
TCDH013	141	142	370	5930	0.59299999	0.037
TCDH013	142	143	260	3960	0.396	2.60E-02
TCDH013	143	144	220	8680	0.86799997	0.022
TCDH013	144	147	270	21800	2.1800001	2.70E-02
TCDH013	147	148	360	10800	1.08	3.60E-02
TCDH013	148	149	1490	38800	3.8800001	0.149
TCDH013	149	150	1700	39400	3.9400001	0.17
TCDH013	150	151	1960	28000	2.8	0.19599999
TCDH013	151	152	1110	23600	2.3599999	0.111
TCDH013	152	153	420	18400	1.84	4.20E-02
TCDH013	153	154	500	37800	3.78	5.00E-02
TCDH013	154	155	1200	42700	4.27	0.12
TCDH013	155	156	280	48100	4.8099999	2.80E-02
TCDH013	156	157	70	31900	3.1900001	7.00E-03
TCDH013	157	158	140	40300	4.0300002	0.014
TCDH013	158	159	160	47000	4.6999998	1.60E-02
TCDH013	159	160	50	24500	2.45	5.00E-03
TCDH013	160	161	120	22000	2.2	0.012
TCDH013	161	162	750	16700	1.67	7.50E-02
TCDH013	162	165	1130	26400	2.6400001	0.113
TCDH013	165	168	390	11400	1.14	3.90E-02
TCDH013	168	171	34900	60200	6.02	3.49
TCDH013	171	174.10001	30700	63200	6.3200002	3.0699999
TCDH013	174.10001	177.10001	3410	26700	2.6700001	0.34099999
TCDH013	177.10001	180.10001	1360	27500	2.75	0.13600001
TCDH013	180.10001	183.10001	3470	23800	2.3800001	0.347
TCDH013	183.10001	184	50	8140	0.81400001	5.00E-03
TCDH013	184	185	30	8010	0.801	0.003
TCDH013	185	186	30	11500	1.15	0.003
TCDH013	186	189.10001	6080	53200	5.3200002	0.60799998
TCDH013	189.10001	190	1670	27700	2.77	0.167
TCDH013	190	191	300	14900	1.49	3.00E-02
TCDH013	191	192	150	18000	1.8	0.015

TCDH013	192	193	390	14700	1.47	3.90E-02
TCDH013	193	194	70	7690	0.76899999	7.00E-03
TCDH013	194	195	260	29800	2.98	2.60E-02
TCDH013	195	196	550	25000	2.5	0.055
TCDH013	196	197	190	24600	2.46	1.90E-02
TCDH013	197	198	120	13200	1.3200001	0.012
TCDH013	198	199	110	31500	3.1500001	0.011
TCDH013	199	200	30500	98600	9.8599997	3.05
TCDH013	200	201	980	55200	5.52	9.80E-02
TCDH013	201	202	880	33800	3.3800001	0.088
TCDH013	202	203	160	29000	2.9000001	1.60E-02
TCDH013	203	204	150	53000	5.3000002	0.015
TCDH013	204	205	710	57400	5.7399998	7.10E-02
TCDH013	205	206	1020	84400	8.4399996	0.102
TCDH013	206	207	1930	54300	5.4299998	0.193
TCDH013	207	208	230	26100	2.6099999	0.023
TCDH013	208	209	250	29700	2.97	0.025
TCDH013	209	210	620	22800	2.28	6.20E-02
TCDH013	210	211	120	28100	2.8099999	0.012
TCDH013	211	212	60	30700	3.0699999	6.00E-03
TCDH013	212	213	430	31700	3.1700001	4.30E-02
TCDH013	213	214	1700	21300	2.1300001	0.17
TCDH013	214	215	520	26100	2.6099999	5.20E-02
TCDH013	215	216	100	15900	1.59	1.00E-02
TCDH013	216	217	90	19800	1.98	9.00E-03
TCDH013	217	218	270	32500	3.25	2.70E-02
TCDH013	218	219	50	14400	1.4400001	5.00E-03
TCDH013	219	220	70	14900	1.49	7.00E-03
TCDH013	220	221	90	6390	0.639	9.00E-03
TCDH013	221	222	90	7500	0.75	9.00E-03
TCDH013	222	223	20	19400	1.9400001	2.00E-03
TCDH013	223	224	400	36300	3.6300001	4.00E-02
TCDH013	224	225	310	10300	1.03	3.10E-02
TCDH013	225	226	140	8510	0.85100001	0.014
TCDH013	226	227	1200	24700	2.47	0.12
TCDH013	227	228	300	22800	2.28	3.00E-02
TCDH013	228	229	20	580	5.80E-02	2.00E-03
TCDH013	229	230	10	240	0.024	0.001
TCDH013	230	231	-10	110	0.011	-0.001
TCDH013	231	232	10	150	0.015	0.001
TCDH013	232	233	-10	130	0.013	-0.001
TCDH013	233	234	-10	90	9.00E-03	-0.001
TCDH013	234	235	20	170	1.70E-02	2.00E-03
TCDH013	235	236	10	30	0.003	0.001
TCDH013	236	237	-10	60	6.00E-03	-0.001
TCDH013	237	238	-10	240	0.024	-0.001
TCDH013	238	239	50	20	2.00E-03	5.00E-03
TCDH013	239	240	80	40	4.00E-03	8.00E-03
TCDH013	240	241	100	80	8.00E-03	1.00E-02
TCDH013	241	242	90	60	6.00E-03	9.00E-03
TCDH013	242	243	-10	-10	-0.001	-0.001
TCDH013	243	244	-10	-10	-0.001	-0.001
TCDH013	244	245	60	40	4.00E-03	6.00E-03
TCDH013	245	246	20	30	0.003	2.00E-03
TCDH013	246	247	40	60	6.00E-03	4.00E-03
TCDH013	247	248	40	60	6.00E-03	4.00E-03
TCDH013	248	249	10	20	2.00E-03	0.001
TCDH013	249	250	80	100	1.00E-02	8.00E-03
TCDH013	250	251	280	420	4.20E-02	2.80E-02
TCDH013	251	252	10	30	0.003	0.001
TCDH013	252	253	20	30	0.003	2.00E-03
TCDH013	253	254	10	30	0.003	0.001
TCDH013	254	255	-10	10	0.001	-0.001

TCDH013	255	256	10	10	0.001	0.001
TCDH013	256	257	10	10	0.001	0.001
TCDH013	257	258	30	2470	0.24699999	0.003
TCDH013	258	259	50	780	7.80E-02	5.00E-03
TCDH013	259	260	10	20	2.00E-03	0.001
TCDH013	260	261	30	2250	0.22499999	0.003
TCDH013	261	262	60	3170	0.317	6.00E-03
TCDH013	262	263	60	3350	0.33500001	6.00E-03
TCDH013	263	264	80	1270	0.127	8.00E-03
TCDH013	264	265	90	990	9.90E-02	9.00E-03
TCDH013	265	266	50	2540	0.25400001	5.00E-03
TCDH013	266	267	20	810	0.081	2.00E-03
TCDH013	267	268	90	2330	0.233	9.00E-03
TCDH013	268	269	160	13600	1.36	1.60E-02
TCDH013	269	270	40	10700	1.0700001	4.00E-03
TCDH013	270	271	170	7080	0.708	1.70E-02
TCDH013	271	272	10	2900	0.28999999	0.001
TCDH013	272	273	20	680	6.80E-02	2.00E-03
TCDH013	273	274	70	4020	0.40200001	7.00E-03
TCDH013	274	275	80	11900	1.1900001	8.00E-03
TCDH013	275	276	90	9980	0.99800003	9.00E-03
TCDH013	276	277	20	6130	0.61299998	2.00E-03
TCDH013	277	278	20	2780	0.278	2.00E-03
TCDH013	278	279	50	930	9.30E-02	5.00E-03
TCDH013	279	280	80	6180	0.61799997	8.00E-03
TCDH013	280	281	40	7560	0.75599998	4.00E-03
TCDH013	281	282	10	3370	0.33700001	0.001
TCDH013	282	283	10	4570	0.45699999	0.001
TCDH013	283	284	430	2270	0.227	4.30E-02
TCDH013	284	285.10001	1450	8280	0.82800001	0.145
TCDH014	0	2	520	1120	0.112	5.20E-02
TCDH014	2	4	460	1520	0.152	0.046
TCDH014	4	6	200	1100	0.11	0.02
TCDH014	6	8	30	590	0.059	0.003
TCDH014	8	10	60	930	9.30E-02	6.00E-03
TCDH014	10	12	100	1690	0.169	1.00E-02
TCDH014	12	14	20	430	4.30E-02	2.00E-03
TCDH014	14	16	70	1880	0.18799999	7.00E-03
TCDH014	16	18	30	1120	0.112	0.003
TCDH014	18	20	30	1040	0.104	0.003
TCDH014	20	22	40	1910	0.191	4.00E-03
TCDH014	22	24	30	1270	0.127	0.003
TCDH014	24	26	40	3660	0.366	4.00E-03
TCDH014	26	27	70	35200	3.52	7.00E-03
TCDH014	27	28	60	26300	2.6300001	6.00E-03
TCDH014	28	29	60	18300	1.83	6.00E-03
TCDH014	29	32	20	2550	0.255	2.00E-03
TCDH014	32	35	20	1490	0.149	2.00E-03
TCDH014	35	38	50	32800	3.28	5.00E-03
TCDH014	38	39	90	5200	0.51999998	9.00E-03
TCDH014	39	41	30	19100	1.91	0.003
TCDH014	41	42	120	91300	9.1300001	0.012
TCDH014	42	43	20	93700	9.3699999	2.00E-03
TCDH014	43	44	50	75100	7.5100002	5.00E-03
TCDH014	44	47	10	8570	0.85699999	0.001
TCDH014	47	48	10	1250	0.125	0.001
TCDH014	48	49	20	3570	0.35699999	2.00E-03
TCDH014	49	50	10	1000	0.1	0.001
TCDH014	50	51.099998	100	2950	0.29499999	1.00E-02
TCDH014	51.099998	52.5	10	310	3.10E-02	0.001
TCDH014	52.5	53.799999	430	590	0.059	4.30E-02
TCDH014	53.799999	55	720	1590	0.15899999	7.20E-02
TCDH014	55	56	340	2510	0.25099999	3.40E-02

TCDH014	56	57	400	1470	0.147	4.00E-02
TCDH014	57	58	540	1810	0.18099999	5.40E-02
TCDH014	58	59	550	4810	0.48100001	0.055
TCDH014	59	60	200	38500	3.8499999	0.02
TCDH014	60	62	220	29700	2.97	0.022
TCDH014	62	63	220	7400	0.74000001	0.022
TCDH014	63	64	280	65800	6.5799999	2.80E-02
TCDH014	64	65	240	20600	2.0599999	0.024
TCDH014	65	66	490	26100	2.6099999	4.90E-02
TCDH014	66	67	640	18700	1.87	6.40E-02
TCDH014	67	68	1000	108000	10.8	0.1
TCDH014	68	69	170	8600	0.86000001	1.70E-02
TCDH014	69	70	180	5230	0.523	1.80E-02
TCDH014	70	71	410	28700	2.8699999	4.10E-02
TCDH014	71	74	1450	188000	18.799999	0.145
TCDH014	74	75	190	290000	29	1.90E-02
TCDH014	75	76	120	26300	2.6300001	0.012
TCDH014	76	77	180	2110	0.211	1.80E-02
TCDH014	77	78	120	13900	1.39	0.012
TCDH014	78	79	30	1020	0.102	0.003
TCDH014	79	80	20	700	0.07	2.00E-03
TCDH014	80	81	60	2500	0.25	6.00E-03
TCDH014	81	82	20	16400	1.64	2.00E-03
TCDH014	82	83	10	750	7.50E-02	0.001
TCDH014	83	84	50	5950	0.59500003	5.00E-03
TCDH014	84	86	80	3090	0.30899999	8.00E-03
TCDH014	86	87	90	3350	0.33500001	9.00E-03
TCDH014	87	88	100	2010	0.20100001	1.00E-02
TCDH014	88	89	420	77800	7.7800002	4.20E-02
TCDH014	89	92	700	108500	10.85	0.07
TCDH014	92	95	230	32100	3.21	0.023
TCDH014	95	96.800003	60	1870	0.18700001	6.00E-03
TCDH014	96.800003	98	20	6800	0.68000001	2.00E-03
TCDH014	98	99.599998	30	3310	0.331	0.003
TCDH014	99.599998	101	30	1530	0.153	0.003
TCDH014	101	104	40	2210	0.221	4.00E-03
TCDH014	104	107	90	27100	2.71	9.00E-03
TCDH014	107	108.5	70	5000	0.5	7.00E-03
TCDH014	108.5	111	170	5920	0.59200001	1.70E-02
TCDH014	111	114	260	16400	1.64	2.60E-02
TCDH014	114	117	590	57700	5.77	0.059
TCDH014	117	120	1650	42000	4.1999998	0.16500001
TCDH014	120	123	610	44600	4.46	6.10E-02
TCDH014	123	126	1310	30700	3.0699999	0.131
TCDH014	126	129	3880	16100	1.61	0.38800001
TCDH014	129	130.5	1250	1740	0.17399999	0.125
TCDH014	130.5	131.60001	10500	6930	0.69300002	1.05
TCDH014	131.60001	133	600	100	1.00E-02	6.00E-02
TCDH014	133	134	4240	2200	0.22	0.42399999
TCDH014	134	135	22100	27500	2.75	2.21
TCDH014	135	136	410	260	2.60E-02	4.10E-02
TCDH014	136	137	640	740	7.40E-02	6.40E-02
TCDH014	137	138	120	40	4.00E-03	0.012
TCDH014	138	139	100	40	4.00E-03	1.00E-02
TCDH014	139	140	80	20	2.00E-03	8.00E-03
TCDH014	140	141	80	20	2.00E-03	8.00E-03
TCDH014	141	142	60	10	0.001	6.00E-03
TCDH014	142	143	70	30	0.003	7.00E-03
TCDH014	143	144	80	20	2.00E-03	8.00E-03
TCDH014	144	145	100	20	2.00E-03	1.00E-02
TCDH014	145	146	110	20	2.00E-03	0.011
TCDH014	146	147	160	20	2.00E-03	1.60E-02
TCDH014	147	148	200	80	8.00E-03	0.02

TCDH014	148	149	190	80	8.00E-03	1.90E-02
TCDH014	149	150	130	60	6.00E-03	0.013
TCDH014	150	151	160	80	8.00E-03	1.60E-02
TCDH014	151	152.5	170	110	0.011	1.70E-02
TCDH015	0	2	2530	1860	0.186	0.25299999
TCDH015	2	4	1730	2440	0.244	0.17299999
TCDH015	4	6	2060	3350	0.33500001	0.206
TCDH015	6	8	5690	6050	0.60500002	0.56900001
TCDH015	8	10	7660	8520	0.852	0.76599997
TCDH015	10	11	3820	1060	0.106	0.382
TCDH015	11	12	140	250	0.025	0.014
TCDH015	12	13	28400	6210	0.62099999	2.8399999
TCDH015	13	14	13800	7590	0.759	1.38
TCDH015	14	15	10850	7120	0.71200001	1.085
TCDH015	15	16	9650	7490	0.74900001	0.96499997
TCDH015	16	17	7320	6540	0.65399998	0.73199999
TCDH015	17	18	5330	7510	0.75099999	0.53299999
TCDH015	18	19	6300	6720	0.67199999	0.63
TCDH015	19	20	5450	8640	0.86400002	0.54500002
TCDH015	20	21	5560	6800	0.68000001	0.55599999
TCDH015	21	22	5920	4800	0.47999999	0.59200001
TCDH015	22	23	1320	1060	0.106	0.132
TCDH015	23	26	6550	6020	0.602	0.65499997
TCDH015	26	27	14250	13700	1.37	1.425
TCDH015	27	28	13200	23100	2.3099999	1.3200001
TCDH015	28	29	5480	8350	0.83499998	0.54799998
TCDH015	29	31	4130	25000	2.5	0.41299999
TCDH015	31	32.099998	5430	71300	7.1300001	0.54299998
TCDH015	32.099998	35.099998	4420	115000	11.5	0.442
TCDH015	35.099998	38.099998	1720	31900	3.1900001	0.17200001
TCDH015	38.099998	41.099998	1990	43000	4.3000002	0.199
TCDH015	41.099998	44.099998	2240	51700	5.1700001	0.22400001
TCDH015	44.099998	47.099998	900	71500	7.1500001	9.00E-02
TCDH015	47.099998	50.099998	2340	20600	2.0599999	0.234
TCDH015	50.099998	53.099998	1640	14900	1.49	0.164
TCDH015	53.099998	56.099998	810	32600	3.26	0.081
TCDH015	56.099998	59.099998	6470	149500	14.95	0.64700001
TCDH015	59.099998	62.099998	8760	47100	4.71	0.87599999
TCDH015	62.099998	63.099998	3870	22700	2.27	0.38699999
TCDH015	63.099998	64.099998	350	59600	5.96	0.035
TCDH015	64.099998	65.099998	290	25600	2.5599999	2.90E-02
TCDH015	65.099998	66.099998	490	34600	3.46	4.90E-02
TCDH015	66.099998	67.099998	1440	42300	4.23	0.14399999
TCDH015	67.099998	68.099998	1060	6860	0.68599999	0.106
TCDH015	68.099998	69.099998	1930	32000	3.2	0.193
TCDH015	69.099998	70.099998	120	1650	0.16500001	0.012
TCDH015	70.099998	71.099998	190	3100	0.31	1.90E-02
TCDH015	71.099998	72.099998	350	15000	1.5	0.035
TCDH015	72.099998	73.099998	210	5730	0.57300001	0.021
TCDH015	73.099998	74.099998	200	5810	0.58099997	0.02
TCDH015	74.099998	75.099998	390	5390	0.53899997	3.90E-02
TCDH015	75.099998	76.099998	50	1360	0.13600001	5.00E-03
TCDH015	76.099998	77.099998	50	2930	0.29300001	5.00E-03
TCDH015	77.099998	78.099998	20	1690	0.169	2.00E-03
TCDH015	78.099998	79.099998	20	2070	0.207	2.00E-03
TCDH015	79.099998	80.099998	20	2960	0.296	2.00E-03
TCDH015	80.099998	81.099998	470	16400	1.64	4.70E-02
TCDH015	81.099998	82.099998	180	25100	2.51	1.80E-02
TCDH015	82.099998	83.099998	20	2270	0.227	2.00E-03
TCDH015	83.099998	84.099998	10	1750	0.175	0.001
TCDH015	84.099998	85.099998	30	1300	0.13	0.003
TCDH015	85.099998	86.099998	150	4710	0.47099999	0.015
TCDH015	86.099998	87.599998	390	3550	0.35499999	3.90E-02

TCDH015	87.599998	89.099998	2270	8150	0.815	0.227
TCDH015	89.099998	90.599998	840	4030	0.403	8.40E-02
TCDH015	90.599998	92.099998	210	1160	0.116	0.021
TCDH015	92.099998	95.099998	200	1150	0.115	0.02
TCDH015	95.099998	97	210	490	4.90E-02	0.021
TCDH015	97	98.099998	560	37100	3.71	5.60E-02
TCDH015	98.099998	100	2510	15400	1.54	0.25099999
TCDH015	100	102	150	2950	0.29499999	0.015
TCDH015	102	104	110	420	4.20E-02	0.011
TCDH015	104	106	120	350	0.035	0.012
TCDH015	106	108	120	560	5.60E-02	0.012
TCDH015	108	110	170	1640	0.164	1.70E-02
TCDH015	110	112	-10	20	2.00E-03	-0.001
TCDH015	112	114	20	50	5.00E-03	2.00E-03
TCDH015	114	116	10	10	0.001	0.001
TCDH015	116	118	10	90	9.00E-03	0.001
TCDH015	118	120	20	80	8.00E-03	2.00E-03
TCDH015	120	122	20	40	4.00E-03	2.00E-03
TCDH015	122	123	40	100	1.00E-02	4.00E-03
TCDH015	123	124	20	70	7.00E-03	2.00E-03
TCDH015	124	125.1	30	120	0.012	0.003
TCDH016	0	2	110	600	6.00E-02	0.011
TCDH016	2	4	150	640	6.40E-02	0.015
TCDH016	4	6	230	720	7.20E-02	0.023
TCDH016	6	8	3220	1940	0.19400001	0.322
TCDH016	8	10	1460	1600	0.16	0.146
TCDH016	10	12	1820	3890	0.389	0.182
TCDH016	12	14	2430	5320	0.53200001	0.243
TCDH016	14	16	3430	7250	0.72500002	0.34299999
TCDH016	16	18	7050	9210	0.921	0.70499998
TCDH016	18	19	4810	10500	1.05	0.48100001
TCDH016	19	20	3430	9030	0.903	0.34299999
TCDH016	20	21	4190	10300	1.03	0.419
TCDH016	21	22	6350	82400	8.2399998	0.63499999
TCDH016	22	23	1710	185000	18.5	0.171
TCDH016	23	24	1970	79200	7.9200001	0.197
TCDH016	24	25	1640	67000	6.6999998	0.164
TCDH016	25	26	1180	32100	3.21	0.118
TCDH016	26	27	1050	23000	2.3	0.105
TCDH016	27	28	750	34600	3.46	7.50E-02
TCDH016	28	29	630	5170	0.51700002	6.30E-02
TCDH016	29	30	690	4720	0.472	6.90E-02
TCDH016	30	31	530	2430	0.243	5.30E-02
TCDH016	31	32	540	2560	0.25600001	5.40E-02
TCDH016	32	33	460	900	9.00E-02	0.046
TCDH016	33	34	840	1660	0.16599999	8.40E-02
TCDH016	34	35	7200	14300	1.4299999	0.72000003
TCDH016	35	36	5060	12800	1.28	0.50599998
TCDH016	36	37	3890	7750	0.77499998	0.389
TCDH016	37	38	2270	5280	0.528	0.227
TCDH016	38	39	1760	4890	0.48899999	0.176
TCDH016	39	40	1740	4460	0.44600001	0.17399999
TCDH016	40	41	1730	2040	0.204	0.17299999
TCDH016	41	42	3410	1880	0.18799999	0.34099999
TCDH016	42	43	6420	6150	0.61500001	0.64200002
TCDH016	43	44	3760	3400	0.34	0.37599999
TCDH016	44	45	3940	3630	0.36300001	0.39399999
TCDH016	45	46	28400	19600	1.96	2.8399999
TCDH016	46	47	7250	8100	0.81	0.72500002
TCDH016	47	48	5240	7010	0.70099998	0.52399999
TCDH016	48	49	22100	68100	6.8099999	2.21
TCDH016	49	50	7730	15100	1.51	0.773
TCDH016	50	51	6650	36100	3.6099999	0.66500002

TCDH016	51	53	5380	29100	2.9100001	0.53799999
TCDH016	53	54	1340	9990	0.99900001	0.134
TCDH016	54	55	730	8800	0.88	7.30E-02
TCDH016	55	58	6200	50300	5.0300002	0.62
TCDH016	61	62.5	3240	143500	14.35	0.324
TCDH016	62.5	64	3480	107500	10.75	0.34799999
TCDH016	64	65.5	1330	31300	3.1300001	0.133
TCDH016	65.5	66	210	30300	3.03	0.021
TCDH016	66	67	50	50400	5.04	5.00E-03
TCDH016	67	68.5	80	96800	9.6800003	8.00E-03
TCDH016	68.5	69	20	82300	8.2299995	2.00E-03
TCDH016	69	70	20	104000	10.4	2.00E-03
TCDH016	70	73	50	70000	7	5.00E-03
TCDH016	73	74	90	1300	0.13	9.00E-03
TCDH016	74	75	100	1400	0.14	1.00E-02
TCDH016	75	76	70	710	7.10E-02	7.00E-03
TCDH016	76	78	60	420	4.20E-02	6.00E-03
TCDH016	78	80	220	920	0.092	0.022
TCDH016	80	82	40	160	1.60E-02	4.00E-03
TCDH016	82	84	20	90	9.00E-03	2.00E-03
TCDH016	84	86	70	790	7.90E-02	7.00E-03
TCDH016	86	88	180	280	2.80E-02	1.80E-02
TCDH016	88	90	150	840	8.40E-02	0.015
TCDH016	90	92	100	520	5.20E-02	1.00E-02
TCDH016	92	94	20	290	2.90E-02	2.00E-03
TCDH016	94	97	1280	5240	0.52399999	0.12800001
TCDH016	97	100	530	10800	1.08	5.30E-02
TCDH016	100	102	40	150	0.015	4.00E-03
TCDH016	102	104.5	10	210	0.021	0.001
TCDH016	104.5	106	10	150	0.015	0.001
TCDH016	106	109.4	10	130	0.013	0.001
TCDH016	109.4	112.4	500	11400	1.14	5.00E-02
TCDH017	0	2	150	480	0.048	0.015
TCDH017	2	4	280	580	5.80E-02	2.80E-02
TCDH017	4	6	590	780	7.80E-02	0.059
TCDH017	6	8	580	850	8.50E-02	5.80E-02
TCDH017	8	10	300	550	0.055	3.00E-02
TCDH017	10	12	420	550	0.055	4.20E-02
TCDH017	12	14	300	380	3.80E-02	3.00E-02
TCDH017	14	16	1570	950	9.50E-02	0.15700001
TCDH017	16	18	4960	2810	0.28099999	0.49599999
TCDH017	18	20	2240	1700	0.17	0.22400001
TCDH017	20	22	4400	4160	0.41600001	0.44
TCDH017	22	24	4360	4280	0.428	0.43599999
TCDH017	24	26	5000	4200	0.41999999	0.5
TCDH017	26	28	5900	5100	0.50999999	0.58999997
TCDH017	28	30	1240	1410	0.141	0.124
TCDH017	30	32	15400	11100	1.11	1.54
TCDH017	32	34	1270	670	6.70E-02	0.127
TCDH017	34	36	1080	1300	0.13	0.108
TCDH017	36	38	740	1040	0.104	7.40E-02
TCDH017	38	40	4700	10300	1.03	0.47
TCDH017	40	42	1460	3170	0.317	0.146
TCDH017	42	43.5	1800	930	9.30E-02	0.18000001
TCDH017	43.5	45	920	1500	0.15000001	0.092
TCDH017	45	46.5	20	730	7.30E-02	2.00E-03
TCDH017	46.5	48	20	1880	0.18799999	2.00E-03
TCDH017	48	51	770	1270	0.127	0.077
TCDH017	51	52.5	30	3270	0.32699999	0.003
TCDH017	52.5	54	20	1430	0.14300001	2.00E-03
TCDH017	54	56.5	10	930	9.30E-02	0.001
TCDH017	56.5	57.799999	10	1150	0.115	0.001
TCDH017	57.799999	58.599998	10	1250	0.125	0.001

TCDH017	58.599998	60	10	1270	0.127	0.001
TCDH017	60	61.5	20	3750	0.375	2.00E-03
TCDH017	61.5	63	20	12800	1.28	2.00E-03
TCDH017	63	64	30	10500	1.05	0.003
TCDH017	64	65	10	13400	1.34	0.001
TCDH017	65	66	30	85900	8.5900002	0.003
TCDH017	66	67	40	56100	5.6100001	4.00E-03
TCDH017	67	68	720	29200	2.9200001	7.20E-02
TCDH017	68	69	40	56800	5.6799998	4.00E-03
TCDH017	70	71	60	53600	5.3600001	6.00E-03
TCDH017	71	72	70	53600	5.3600001	7.00E-03
TCDH017	72	73	780	2260	0.226	7.80E-02
TCDH017	73	74	50	1210	0.121	5.00E-03
TCDH017	74	75	40	28900	2.8900001	4.00E-03
TCDH018	0	3.7	120	500	5.00E-02	0.012
TCDH018	3.7	6.6999998	1280	1860	0.186	0.12800001
TCDH018	6.6999998	8.1999998	310	590	0.059	3.10E-02
TCDH018	8.1999998	11.2	1050	910	9.10E-02	0.105
TCDH018	11.2	14	3950	2520	0.252	0.39500001
TCDH018	14	15	3140	3100	0.31	0.31400001
TCDH018	15	16	6050	9160	0.91600001	0.60500002
TCDH018	16	17	3670	6110	0.611	0.36700001
TCDH018	17	18	5800	9530	0.95300001	0.57999998
TCDH018	18	19	6080	10000	1	0.60799998
TCDH018	19	20	1670	3710	0.37099999	0.167
TCDH018	20	21	980	2840	0.28400001	9.80E-02
TCDH018	21	22	4930	7120	0.71200001	0.493
TCDH018	22	23	16550	17300	1.73	1.655
TCDH018	23	24	23600	27200	2.72	2.3599999
TCDH018	24	25	25700	26500	2.6500001	2.5699999
TCDH018	25	26	12700	13400	1.34	1.27
TCDH018	26	27.200001	30600	32900	3.29	3.0599999
TCDH018	27.200001	29	7540	7110	0.71100003	0.75400001
TCDH018	29	30.200001	1000	1560	0.156	0.1
TCDH018	30.200001	32	360	910	9.10E-02	3.60E-02
TCDH018	32	34.700001	290	850	8.50E-02	2.90E-02
TCDH018	34.700001	36	400	950	9.50E-02	4.00E-02
TCDH018	36	38	1060	1360	0.13600001	0.106
TCDH018	38	40	960	2140	0.214	9.60E-02
TCDH018	40	42.200001	570	3330	0.333	0.057
TCDH018	42.200001	43.700001	1810	2330	0.233	0.18099999
TCDH018	45.200001	47	710	5570	0.55699998	7.10E-02
TCDH018	47	49	30	10300	1.03	0.003
TCDH018	49	51.200001	20	1450	0.145	2.00E-03
TCDH018	51.200001	52.700001	10	1280	0.12800001	0.001
TCDH018	52.700001	54.200001	10	1180	0.118	0.001
TCDH018	54.200001	56	10	1130	0.113	0.001
TCDH018	56	58.700001	10	610	6.10E-02	0.001
TCDH018	58.700001	60.200001	10	600	6.00E-02	0.001
TCDH018	60.200001	62	10	740	7.40E-02	0.001
TCDH018	62	64.699997	30	1730	0.17299999	0.003
TCDH018	64.699997	66.199997	20	21800	2.1800001	2.00E-03
TCDH018	66.199997	67	60	32400	3.24	6.00E-03
TCDH018	67	68	60	2770	0.27700001	6.00E-03
TCDH018	68	69	80	1760	0.176	8.00E-03
TCDH018	69	70.699997	130	1090	0.109	0.013
TCDH018	70.699997	72	80	800	8.00E-02	8.00E-03
TCDH018	72	73	90	810	0.081	9.00E-03
TCDH018	73	74	70	800	8.00E-02	7.00E-03
TCDH018	74	75	60	850	8.50E-02	6.00E-03
TCDH018	75	76.699997	320	1500	0.15000001	3.20E-02
TCDH018	76.699997	78	90	43900	4.3899999	9.00E-03
TCDH018	78	79	70	22100	2.21	7.00E-03

TCDH018	79	80	60	1210	0.121	6.00E-03
TCDH018	80	81	280	86400	8.6400003	2.80E-02
TCDH018	81	82	240	23800	2.3800001	0.024
TCDH018	82	83	40	5250	0.52499998	4.00E-03
TCDH018	83	84.199997	40	3100	0.31	4.00E-03
TCDH018	84.199997	85	20	6340	0.634	2.00E-03
TCDH018	85	86	40	4070	0.40700001	4.00E-03
TCDH018	86	87	300	4650	0.465	3.00E-02
TCDH018	87	88	80	3450	0.345	8.00E-03
TCDH018	88	90	310	2620	0.26199999	3.10E-02
TCDH018	90	92	660	4730	0.47299999	0.066
TCDH018	92	94	1180	14000	1.4	0.118
TCDH018	94	96	170	800	8.00E-02	1.70E-02
TCDH018	96	98	310	3670	0.36700001	3.10E-02
TCDH018	98	100	880	7710	0.77100003	0.088
TCDH018	100	102	450	1820	0.182	4.50E-02
TCDH018	102	104	290	910	9.10E-02	2.90E-02
TCDH018	104	106	310	690	6.90E-02	3.10E-02
TCDH018	106	108	320	1670	0.167	3.20E-02
TCDH018	108	110	970	8230	0.82300001	9.70E-02
TCDH018	110	112	180	1510	0.15099999	1.80E-02
TCDH018	112	114	150	470	4.70E-02	0.015
TCDH018	114	116	360	5150	0.51499999	3.60E-02
TCDH018	116	117	280	2830	0.28299999	2.80E-02
TCDH018	117	118	280	23300	2.3299999	2.80E-02
TCDH018	118	119	540	54500	5.4499998	5.40E-02
TCDH018	119	120	290	12200	1.22	2.90E-02
TCDH018	120	121	200	10300	1.03	0.02
TCDH018	121	122	190	24500	2.45	1.90E-02
TCDH018	122	123	170	16600	1.66	1.70E-02
TCDH018	123	124	210	31200	3.1199999	0.021
TCDH018	124	125	210	42500	4.25	0.021
TCDH018	125	126	720	88100	8.8100004	7.20E-02
TCDH018	126	127	700	59900	5.9899998	0.07
TCDH018	127	128	460	22000	2.2	0.046
TCDH018	128	129	240	26400	2.6400001	0.024
TCDH018	129	130	500	28500	2.8499999	5.00E-02
TCDH018	130	131	210	5470	0.54699999	0.021
TCDH018	131	132	1960	24300	2.4300001	0.19599999
TCDH018	132	133	870	6110	0.611	8.70E-02
TCDH018	133	134	410	9700	0.97000003	4.10E-02
TCDH018	134	135	230	5610	0.56099999	0.023
TCDH018	135	136	640	17000	1.7	6.40E-02
TCDH018	136	137	280	5630	0.56300002	2.80E-02
TCDH018	137	138	120	2920	0.292	0.012
TCDH018	138	139	230	11000	1.1	0.023
TCDH018	139	140	450	41800	4.1799998	4.50E-02
TCDH018	140	141	370	9080	0.90799999	0.037
TCDH018	141	142	160	7980	0.79799998	1.60E-02
TCDH018	142	143	180	38300	3.8299999	1.80E-02
TCDH018	143	144	250	48300	4.8299999	0.025
TCDH018	144	145	120	16800	1.6799999	0.012
TCDH018	145	146	230	43900	4.3899999	0.023
TCDH018	146	147.2	280	75500	7.5500002	2.80E-02
TCDH018	147.2	148	230	3010	0.301	0.023
TCDH018	148	149	130	1860	0.186	0.013
TCDH018	149	150	190	2370	0.237	1.90E-02
TCDH018	150	151	200	4750	0.47499999	0.02
TCDH018	151	152	140	10300	1.03	0.014
TCDH018	152	153	110	4980	0.498	0.011
TCDH018	153	154	270	8120	0.81199998	2.70E-02
TCDH018	154	155	890	8180	0.81800002	8.90E-02
TCDH018	155	156.2	1590	10200	1.02	0.15899999

TCDH018	156.2	157	390	16300	1.63	3.90E-02
TCDH018	157	158	590	11400	1.14	0.059
TCDH018	158	159	510	14000	1.4	5.10E-02
TCDH018	159	160	3540	12400	1.24	0.354
TCDH018	160	161	360	2810	0.28099999	3.60E-02
TCDH018	161	162	950	3250	0.32499999	9.50E-02
TCDH018	162	163	1170	1990	0.199	0.117
TCDH018	163	164	290	240	0.024	2.90E-02
TCDH018	164	165	230	20	2.00E-03	0.023
TCDH018	165	166	160	10	0.001	1.60E-02
TCDH018	166	168	100	170	1.70E-02	1.00E-02
TCDH018	168	170	160	950	9.50E-02	1.60E-02
TCDH018	170	172	110	900	9.00E-02	0.011
TCDH018	172	174	100	1130	0.113	1.00E-02
TCDH018	174	176	130	1550	0.155	0.013
TCDH018	176	178	90	1210	0.121	9.00E-03
TCDH018	178	180.2	60	1000	0.1	6.00E-03
TCDH019	0	1.5	90	280	2.80E-02	9.00E-03
TCDH019	1.5	3	200	330	0.033	0.02
TCDH019	3	5	360	360	3.60E-02	3.60E-02
TCDH019	5	7	180	510	5.10E-02	1.80E-02
TCDH019	7	9	60	420	4.20E-02	6.00E-03
TCDH019	9	11	90	740	7.40E-02	9.00E-03
TCDH019	11	13	30	890	8.90E-02	0.003
TCDH019	13	15	40	780	7.80E-02	4.00E-03
TCDH019	15	16	50	880	0.088	5.00E-03
TCDH019	16	17	20	780	7.80E-02	2.00E-03
TCDH019	17	19	30	1300	0.13	0.003
TCDH019	19	21	30	790	7.90E-02	0.003
TCDH019	21	23	60	940	9.40E-02	6.00E-03
TCDH019	23	25	140	1690	0.169	0.014
TCDH019	25	27	220	1010	0.101	0.022
TCDH019	27	29	40	490	4.90E-02	4.00E-03
TCDH019	29	31	70	1070	0.107	7.00E-03
TCDH019	31	33	80	1210	0.121	8.00E-03
TCDH019	33	35	210	940	9.40E-02	0.021
TCDH019	35	37	10	490	4.90E-02	0.001
TCDH019	37	39	10	630	6.30E-02	0.001
TCDH019	39	41	10	1060	0.106	0.001
TCDH019	41	43	-10	1190	0.119	-0.001
TCDH019	43	45	-10	1290	0.12899999	-0.001
TCDH019	45	47	30	2320	0.23199999	0.003
TCDH019	47	49.599998	90	5740	0.574	9.00E-03
TCDH019	49.599998	52	140	980	9.80E-02	0.014
TCDH019	52	54	150	210	0.021	0.015
TCDH019	54	56	160	460	0.046	1.60E-02
TCDH019	56	58	110	160	1.60E-02	0.011
TCDH019	58	60	210	210	0.021	0.021
TCDH019	60	62	140	220	0.022	0.014
TCDH019	62	64	90	170	1.70E-02	9.00E-03
TCDH019	64	66	120	350	0.035	0.012
TCDH019	66	68	80	150	0.015	8.00E-03
TCDH019	68	70	90	160	1.60E-02	9.00E-03
TCDH019	70	72	70	750	7.50E-02	7.00E-03
TCDH019	72	74	60	1520	0.152	6.00E-03
TCDH019	74	76	90	980	9.80E-02	9.00E-03
TCDH019	76	78	280	550	0.055	2.80E-02
TCDH019	78	80	260	37300	3.73	2.60E-02
TCDH019	80	82	100	13400	1.34	1.00E-02
TCDH019	82	84	190	4900	0.49000001	1.90E-02
TCDH019	84	85	150	2180	0.21799999	0.015
TCDH019	85	86	110	7070	0.70700002	0.011
TCDH019	86	87	80	22000	2.2	8.00E-03

TCDH019	87	88	90	4580	0.458	9.00E-03
TCDH019	88	89	70	2650	0.26499999	7.00E-03
TCDH019	89	90	90	3000	0.30000001	9.00E-03
TCDH019	90	91	330	18100	1.8099999	0.033
TCDH019	91	92	350	16700	1.67	0.035
TCDH019	92	93	750	7520	0.75199997	7.50E-02
TCDH019	93	94	390	1750	0.175	3.90E-02
TCDH019	94	95	260	2460	0.24600001	2.60E-02
TCDH019	95	96	230	3360	0.336	0.023
TCDH019	96	97	230	4400	0.44	0.023
TCDH019	97	98	220	2310	0.23100001	0.022
TCDH019	98	99	310	1760	0.176	3.10E-02
TCDH019	99	100	170	1460	0.146	1.70E-02
TCDH019	100	101	150	1230	0.123	0.015
TCDH019	101	102	120	2560	0.25600001	0.012
TCDH019	102	103	100	4100	0.41	1.00E-02
TCDH019	103	104	90	1550	0.155	9.00E-03
TCDH019	104	106	110	1290	0.12899999	0.011
TCDH019	106	108	120	1130	0.113	0.012
TCDH019	108	110	120	1200	0.12	0.012
TCDH019	110	112	120	1040	0.104	0.012
TCDH020	0	2	140	700	0.07	0.014
TCDH020	2	4	170	580	5.80E-02	1.70E-02
TCDH020	4	6	140	640	6.40E-02	0.014
TCDH020	6	8	230	750	7.50E-02	0.023
TCDH020	8	10	680	1180	0.118	6.80E-02
TCDH020	10	12	690	1040	0.104	6.90E-02
TCDH020	12	14	490	810	0.081	4.90E-02
TCDH020	14	16	520	1140	0.114	5.20E-02
TCDH020	16	18	750	1120	0.112	7.50E-02
TCDH020	18	20	650	850	8.50E-02	6.50E-02
TCDH020	20	22	1750	1970	0.197	0.175
TCDH020	22	24	2380	2270	0.227	0.23800001
TCDH020	24	26	11800	5070	0.50700003	1.1799999
TCDH020	26	28	18700	11300	1.13	1.87
TCDH020	28	30	8450	4550	0.45500001	0.84500003
TCDH020	30	32	1190	820	8.20E-02	0.119
TCDH020	32	34	4460	2020	0.20200001	0.44600001
TCDH020	34	36	27800	10700	1.0700001	2.78
TCDH020	36	37	16350	9920	0.99199998	1.635
TCDH020	37	38	65000	28700	2.8699999	6.5
TCDH020	38	38.599998	93700	33600	3.3599999	9.3699999
TCDH020	40.099998	42	10900	10900	1.09	1.09
TCDH020	42	43	6490	14400	1.4400001	0.64899999
TCDH020	43	44.599998	7520	15900	1.59	0.75199997
TCDH020	44.599998	46.099998	1410	3190	0.31900001	0.141
TCDH020	46.099998	47	6080	30500	3.05	0.60799998
TCDH020	47	48	10600	50700	5.0700002	1.0599999
TCDH020	48	49	2780	33600	3.3599999	0.278
TCDH020	49	50	1460	80700	8.0699997	0.146
TCDH020	50	52.099998	2990	22500	2.25	0.29899999
TCDH020	52.099998	53.599998	700	11100	1.11	0.07
TCDH020	53.599998	55.099998	2330	37100	3.71	0.233
TCDH020	55.099998	57.599998	1800	15100	1.51	0.18000001
TCDH020	57.599998	58.099998	5020	48200	4.8200002	0.50199997
TCDH020	58.099998	59.599998	3850	118000	11.8	0.38499999
TCDH020	59.599998	62	8370	89200	8.9200001	0.83700001
TCDH020	62	64	230	5170	0.51700002	0.023
TCDH020	64	66	110	620	6.20E-02	0.011
TCDH020	66	67	80	1470	0.147	8.00E-03
TCDH020	67	68.099998	90	3040	0.30399999	9.00E-03
TCDH020	68.099998	69.599998	180	1520	0.152	1.80E-02
TCDH020	69.599998	71.099998	590	3840	0.384	0.059

TCDH020	71.099998	72.599998	170	1340	0.134	1.70E-02
TCDH020	75.599998	77.099998	370	170500	17.049999	0.037
TCDH020	77.099998	78.599998	710	46200	4.6199999	7.10E-02
TCDH020	78.599998	80.099998	220	2590	0.259	0.022
TCDH020	80.099998	81.599998	190	830	8.30E-02	1.90E-02
TCDH020	81.599998	83.099998	820	7350	0.73500001	8.20E-02
TCDH020	83.099998	84.599998	1660	8190	0.81900001	0.16599999
TCDH020	84.599998	86.099998	1510	5080	0.50800002	0.15099999
TCDH020	86.099998	87.599998	1020	4010	0.40099999	0.102
TCDH020	87.599998	89.099998	280	3090	0.30899999	2.80E-02
TCDH020	89.099998	90.599998	350	33100	3.3099999	0.035
TCDH020	90.599998	92.099998	920	5470	0.54699999	0.092
TCDH020	92.099998	93.599998	450	2470	0.24699999	4.50E-02
TCDH020	93.599998	95.099998	410	2570	0.257	4.10E-02
TCDH020	95.099998	96.599998	1090	2680	0.26800001	0.109
TCDH020	96.599998	98.099998	960	2870	0.287	9.60E-02
TCDH020	98.099998	99.599998	520	2500	0.25	5.20E-02
TCDH020	101.1	102.6	350	760	7.60E-02	0.035
TCDH020	102.6	104.1	1000	11100	1.11	0.1
TCDH020	104.1	105.6	130	1940	0.19400001	0.013
TCDH020	108.1	108.6	340	1390	0.139	3.40E-02
TCDH020	108.6	110.1	670	3240	0.324	6.70E-02
TCDH020	110.1	111.6	230	810	0.081	0.023
TCDH020	111.6	113.1	180	360	3.60E-02	1.80E-02
TCDH020	113.1	114.6	70	20	2.00E-03	7.00E-03
TCDH020	114.6	116.1	110	30	0.003	0.011
TCDH020	116.1	117.6	120	40	4.00E-03	0.012
TCDH020	117.6	118.1	90	30	0.003	9.00E-03
TCDH020	118.1	119.6	100	70	7.00E-03	1.00E-02
TCDH020	119.6	121.1	80	20	2.00E-03	8.00E-03
TCDH020	121.1	122.6	90	20	2.00E-03	9.00E-03
TCDH020	122.6	124.1	110	10	0.001	0.011
TCDH020	124.1	125.6	230	30	0.003	0.023
TCDH020	125.6	127.8	360	30	0.003	3.60E-02
TCDH021	0	2	170	480	0.048	1.70E-02
TCDH021	2	4	220	540	5.40E-02	0.022
TCDH021	4	6	720	780	7.80E-02	7.20E-02
TCDH021	6	8	410	870	8.70E-02	4.10E-02
TCDH021	8	10	450	900	9.00E-02	4.50E-02
TCDH021	10	12	1230	830	8.30E-02	0.123
TCDH021	12	14	470	1000	0.1	4.70E-02
TCDH021	14	16	200	470	4.70E-02	0.02
TCDH021	16	18	730	440	0.044	7.30E-02
TCDH021	18	20	370	570	0.057	0.037
TCDH021	20	22	490	930	9.30E-02	4.90E-02
TCDH021	22	24	1160	1500	0.15000001	0.116
TCDH021	24	26	350	670	6.70E-02	0.035
TCDH021	26	28	450	730	7.30E-02	4.50E-02
TCDH021	28	30	1180	2120	0.212	0.118
TCDH021	30	32	790	1070	0.107	7.90E-02
TCDH021	32	34	490	880	0.088	4.90E-02
TCDH021	34	36	960	2310	0.23100001	9.60E-02
TCDH021	36	38	1110	970	9.70E-02	0.111
TCDH021	38	40	900	870	8.70E-02	9.00E-02
TCDH021	40	42	1400	720	7.20E-02	0.14
TCDH021	42	44	5660	1260	0.126	0.56599998
TCDH021	44	46	3620	1370	0.13699999	0.36199999
TCDH021	46	48	150	510	5.10E-02	0.015
TCDH021	48	50	1080	700	0.07	0.108
TCDH021	50	52	190	650	6.50E-02	1.90E-02
TCDH021	52	54	110	630	6.30E-02	0.011
TCDH021	54	56	190	950	9.50E-02	1.90E-02
TCDH021	56	57	760	1900	0.19	7.60E-02

TCDH021	57	58	630	6540	0.65399998	6.30E-02
TCDH021	58	59	1510	56200	5.6199999	0.15099999
TCDH021	59	60	1740	60800	6.0799999	0.17399999
TCDH021	60	61	1640	76600	7.6599998	0.164
TCDH021	61	62	1670	79100	7.9099998	0.167
TCDH021	62	63	2270	11600	1.16	0.227
TCDH021	63	64	1930	52300	5.23	0.193
TCDH021	64	65	1700	6020	0.602	0.17
TCDH021	65	66	2700	3790	0.37900001	0.27000001
TCDH021	66	67	770	73700	7.3699999	0.077
TCDH021	67	68	1630	71500	7.1500001	0.163
TCDH021	68	69	350	95500	9.5500002	0.035
TCDH021	69	70	1940	37100	3.71	0.19400001
TCDH021	70	71	1570	61400	6.1399999	0.15700001
TCDH021	71	72	1320	31600	3.1600001	0.132
TCDH021	72	73	1300	73800	7.3800001	0.13
TCDH021	73	74	1520	13300	1.33	0.152
TCDH021	74	75	3840	70300	7.0300002	0.384
TCDH021	75	76	1080	25800	2.5799999	0.108
TCDH021	76	77	2380	79300	7.9299998	0.23800001
TCDH021	77	78	2200	30400	3.04	0.22
TCDH021	78	79	590	153000	15.3	0.059
TCDH021	79	80	860	299000	29.9	8.60E-02
TCDH021	80	81	1030	107500	10.75	0.103
TCDH021	81	82	430	198500	19.85	4.30E-02
TCDH021	82	83	440	52300	5.23	0.044
TCDH021	83	84	880	23900	2.3900001	0.088
TCDH021	84	85	120	22500	2.25	0.012
TCDH021	85	86	160	48400	4.8400002	1.60E-02
TCDH021	86	87	420	14200	1.42	4.20E-02
TCDH021	87	88	220	59800	5.98	0.022
TCDH021	88	89	200	55500	5.5500002	0.02
TCDH021	89	90	310	68600	6.8600001	3.10E-02
TCDH021	90	91	150	112000	11.2	0.015
TCDH021	91	92	270	44300	4.4299998	2.70E-02
TCDH021	92	93	400	55900	5.5900002	4.00E-02
TCDH021	93	94	590	206000	20.6	0.059
TCDH021	94	95	390	70900	7.0900002	3.90E-02
TCDH021	95	96	500	160500	16.049999	5.00E-02
TCDH021	96	97	500	173500	17.35	5.00E-02
TCDH021	97	98	260	66700	6.6700001	2.60E-02
TCDH021	98	99	1190	135000	13.5	0.119
TCDH021	99	100	2080	151500	15.15	0.208
TCDH021	100	101	2120	24800	2.48	0.212
TCDH021	101	102	330	110500	11.05	0.033
TCDH021	102	103	2720	8550	0.85500002	0.27200001
TCDH021	103	104	1620	63000	6.3000002	0.162
TCDH021	104	105	3600	134500	13.45	0.36000001
TCDH021	105	106	2580	65300	6.5300002	0.25799999
TCDH021	106	107	1950	35100	3.51	0.19499999
TCDH021	107	108	5980	78200	7.8200002	0.59799999
TCDH021	108	109	700	10600	1.0599999	0.07
TCDH021	109	110	850	2830	0.28299999	8.50E-02
TCDH021	110	111	3660	173000	17.299999	0.366
TCDH021	111	112	3500	42800	4.2800002	0.34999999
TCDH021	112	113	20300	395000	39.5	2.03
TCDH021	113	114	13800	160000	16	1.38
TCDH021	114	115	2070	103500	10.35	0.207
TCDH021	115	116	2300	88200	8.8199997	0.23
TCDH021	116	117	2910	77500	7.75	0.29100001
TCDH021	117	118	320	23300	2.3299999	3.20E-02
TCDH021	118	119	1870	53100	5.3099999	0.18700001
TCDH021	119	120	2060	126000	12.6	0.206

TCDH021	120	122	1070	24500	2.45	0.107
TCDH021	122	123.5	620	25900	2.5899999	6.20E-02
TCDH021	123.5	125	1020	40500	4.0500002	0.102
TCDH021	126.5	128	3620	141000	14.1	0.36199999
TCDH021	128	129	510	68600	6.8600001	5.10E-02
TCDH021	129	130	2500	52600	5.2600002	0.25
TCDH021	130	131	10400	182500	18.25	1.04
TCDH021	134	135.5	1690	67400	6.7399998	0.169
TCDH021	135.5	138.5	320	462000	46.200001	3.20E-02
TCDH021	141.5	143	870	35600	3.5599999	8.70E-02
TCDH021	143	144.5	760	43100	4.3099999	7.60E-02
TCDH021	156.5	158	590	7290	0.72899997	0.059
TCDH021	158	159.5	600	29000	2.9000001	6.00E-02
TCDH021	159.5	160.5	3690	13500	1.35	0.36899999
TCDH021	160.5	161.5	520	1640	0.164	5.20E-02
TCDH021	161.5	162.5	810	15300	1.53	0.081
TCDH021	162.5	163.5	480	970	9.70E-02	0.048
TCDH021	163.5	164.5	510	280	2.80E-02	5.10E-02
TCDH021	164.5	166.5	50	640	6.40E-02	5.00E-03
TCDH021	166.5	168.5	1070	9390	0.93900001	0.107
TCDH021	168.5	170.5	400	3790	0.37900001	4.00E-02
TCDH022	0	2	390	7780	0.778	3.90E-02
TCDH022	2	4	1180	1700	0.17	0.118
TCDH022	4	6	1070	1380	0.138	0.107
TCDH022	6	8	400	1170	0.117	4.00E-02
TCDH022	8	10	80	2740	0.27399999	8.00E-03
TCDH022	10	12	40	1290	0.12899999	4.00E-03
TCDH022	12	14	150	1950	0.19499999	0.015
TCDH022	14	16	200	1570	0.15700001	0.02
TCDH022	16	18	80	1430	0.14300001	8.00E-03
TCDH022	18	20	40	920	0.092	4.00E-03
TCDH022	20	22	80	1270	0.127	8.00E-03
TCDH022	22	24	160	630	6.30E-02	1.60E-02
TCDH022	24	26	70	880	0.088	7.00E-03
TCDH022	26	28	270	1360	0.13600001	2.70E-02
TCDH022	28	29	740	2310	0.23100001	7.40E-02
TCDH022	29	30	40	3210	0.32100001	4.00E-03
TCDH022	30	31	80	82400	8.2399998	8.00E-03
TCDH022	31	32	50	73700	7.3699999	5.00E-03
TCDH022	32	33	50	43000	4.3000002	5.00E-03
TCDH022	33	34	190	16400	1.64	1.90E-02
TCDH022	34	35	190	97100	9.71	1.90E-02
TCDH022	35	36	70	56600	5.6599998	7.00E-03
TCDH022	36	37	230	58100	5.8099999	0.023
TCDH022	37	38	110	33000	3.3	0.011
TCDH022	38	39	90	16300	1.63	9.00E-03
TCDH022	39	40	210	19400	1.9400001	0.021
TCDH022	40	41	30	3680	0.368	0.003
TCDH022	41	42	30	1160	0.116	0.003
TCDH022	42	43	20	970	9.70E-02	2.00E-03
TCDH022	43	44	20	740	7.40E-02	2.00E-03
TCDH022	44	46	20	860	8.60E-02	2.00E-03
TCDH022	46	48	30	810	0.081	0.003
TCDH022	48	50	30	1060	0.106	0.003
TCDH022	50	52	90	76500	7.6500001	9.00E-03
TCDH022	52	54	40	1020	0.102	4.00E-03
TCDH022	54	56	30	900	9.00E-02	0.003
TCDH022	56	57	70	57700	5.77	7.00E-03
TCDH022	57	57.599998	80	149500	14.95	8.00E-03
TCDH022	57.599998	59.099998	410	69100	6.9099998	4.10E-02
TCDH022	59.099998	60.599998	110	19600	1.96	0.011
TCDH022	60.599998	62.099998	70	5900	0.58999997	7.00E-03
TCDH022	62.099998	63.599998	150	1530	0.153	0.015

TCDH022	63.599998	65.599998	90	2810	0.28099999	9.00E-03
TCDH022	65.599998	67.5	90	2250	0.22499999	9.00E-03
TCDH022	67.5	68.900002	90	1200	0.12	9.00E-03
TCDH022	68.900002	70.5	70	590	0.059	7.00E-03
TCDH022	70.5	72.599998	80	740	7.40E-02	8.00E-03
TCDH022	72.599998	74.199997	70	710	7.10E-02	7.00E-03
TCDH022	74.199997	77.099998	60	590	0.059	6.00E-03
TCDH022	77.099998	80.099998	60	680	6.80E-02	6.00E-03
TCDH022	80.099998	83.099998	70	800	8.00E-02	7.00E-03
TCDH022	83.099998	86.099998	110	970	9.70E-02	0.011
TCDH022	86.099998	89.099998	90	980	9.80E-02	9.00E-03
TCDH022	89.099998	90.599998	80	1450	0.145	8.00E-03
TCDH022	90.599998	93.599998	50	830	8.30E-02	5.00E-03
TCDH022	93.599998	96.599998	580	3730	0.373	5.80E-02
TCDH022	96.599998	98	130	1980	0.198	0.013
TCDH022	98	100	140	970	9.70E-02	0.014
TCDH022	100	101	120	1130	0.113	0.012
TCDH022	101	104.1	100	1020	0.102	1.00E-02
TCDH022	104.1	105.6	60	53400	5.3400002	6.00E-03
TCDH022	105.6	106.3	30	13800	1.38	0.003
TCDH022	106.3	107.8	50	28600	2.8599999	5.00E-03
TCDH022	107.8	108.6	40	11400	1.14	4.00E-03
TCDH022	108.6	110.4	50	8440	0.84399998	5.00E-03
TCDH022	110.4	111.6	40	10400	1.04	4.00E-03
TCDH022	111.6	113.1	50	2990	0.29899999	5.00E-03
TCDH022	113.1	114.6	90	157500	15.75	9.00E-03
TCDH022	114.6	117.6	80	115000	11.5	8.00E-03
TCDH022	117.6	118.6	400	361000	36.099998	4.00E-02
TCDH022	118.6	120.6	2830	170500	17.049999	0.28299999
TCDH022	120.6	122.1	6060	85300	8.5299997	0.60600001
TCDH022	122.1	123.6	2790	112500	11.25	0.27900001
TCDH022	123.6	125.1	2320	28400	2.8399999	0.23199999
TCDH022	125.1	126.6	340	5920	0.59200001	3.40E-02
TCDH022	126.6	128.10001	200	138500	13.85	0.02
TCDH022	128.10001	129.60001	70	55500	5.5500002	7.00E-03
TCDH022	129.60001	130.60001	110	74100	7.4099998	0.011
TCDH022	130.60001	132.60001	90	90000	9	9.00E-03
TCDH022	132.60001	134.10001	30	13900	1.39	0.003
TCDH022	134.10001	135.60001	40	290000	29	4.00E-03
TCDH022	135.60001	137.10001	4060	63400	6.3400002	0.40599999
TCDH022	137.10001	138.60001	3220	39700	3.97	0.322
TCDH022	138.60001	140.10001	880	7790	0.77899998	0.088
TCDH022	140.10001	141.60001	640	176500	17.65	6.40E-02
TCDH022	141.60001	143.10001	1020	36800	3.6800001	0.102
TCDH022	143.10001	144.60001	760	209000	20.9	7.60E-02
TCDH022	144.60001	146.10001	2300	251000	25.1	0.23
TCDH022	146.10001	147.60001	3030	132000	13.2	0.303
TCDH022	147.60001	149.10001	1910	148000	14.8	0.191
TCDH022	149.10001	150.60001	2430	88300	8.8299999	0.243
TCDH022	150.60001	152.10001	350	165500	16.549999	0.035
TCDH022	152.10001	153.60001	120	8430	0.84299999	0.012
TCDH022	153.60001	154.60001	660	100500	10.05	0.066
TCDH022	154.60001	155	320	62700	6.27	3.20E-02
TCDH022	155	156	790	146000	14.6	7.90E-02
TCDH022	156	157	610	137000	13.7	6.10E-02
TCDH022	157	158	290	48500	4.8499999	2.90E-02
TCDH022	158	159	460	106500	10.65	0.046
TCDH022	159	160	580	110500	11.05	5.80E-02
TCDH022	160	161.10001	530	56900	5.6900001	5.30E-02
TCDH022	161.10001	162.60001	350	130000	13	0.035
TCDH022	162.60001	164.10001	930	465000	46.5	9.30E-02
TCDH022	164.10001	165.60001	1960	485000	48.5	0.19599999
TCDH022	165.60001	167.10001	710	54300	5.4299998	7.10E-02

TCDH022	167.10001	168.60001	800	26000	2.5999999	8.00E-02
TCDH022	168.60001	170.10001	660	2820	0.28200001	0.066
TCDH022	170.10001	173.10001	140	1400	0.14	0.014
TCDH022	173.10001	176.10001	1120	8440	0.84399998	0.112
TCDH022	176.10001	179.7	640	12400	1.24	6.40E-02
TCDH022	179.7	182.10001	1180	43800	4.3800001	0.118
TCDH022	182.10001	185.10001	1450	12700	1.27	0.145
TCDH022	185.10001	188.10001	1420	11900	1.1900001	0.142
TCDH022	188.10001	189.60001	1300	14800	1.48	0.13
TCDH022	189.60001	191.10001	2050	18200	1.8200001	0.205
TCDH022	191.60001	192.60001	1840	13800	1.38	0.184
TCDH022	192.60001	194.10001	1580	11000	1.1	0.15800001
TCDH022	194.10001	195.60001	600	1360	0.13600001	6.00E-02
TCDH022	195.60001	197.10001	190	860	8.60E-02	1.90E-02
TCDH022	197.10001	198.60001	150	1190	0.119	0.015
TCDH022	198.60001	200.10001	130	1750	0.175	0.013
TCDH022	200.10001	201.60001	80	2370	0.237	8.00E-03
TCDH022	201.60001	203.10001	70	1110	0.111	7.00E-03
TCDH022	203.10001	205.10001	270	7290	0.72899997	2.70E-02
TCDH022	205.10001	206.60001	140	2700	0.27000001	0.014
TCDH022	206.60001	208.60001	180	4450	0.44499999	1.80E-02
TCDH022	208.60001	210.60001	150	2760	0.27599999	0.015
TCDH023	0	2	280	880	0.088	2.80E-02
TCDH023	2	4	250	800	8.00E-02	0.025
TCDH023	4	6	200	1200	0.12	0.02
TCDH023	6	8	90	900	9.00E-02	9.00E-03
TCDH023	8	10	70	1070	0.107	7.00E-03
TCDH023	10	12	50	520	5.20E-02	5.00E-03
TCDH023	12	14	50	740	7.40E-02	5.00E-03
TCDH023	14	16	150	2210	0.221	0.015
TCDH023	16	18	100	3140	0.31400001	1.00E-02
TCDH023	18	20	80	1130	0.113	8.00E-03
TCDH023	20	22.1	30	790	7.90E-02	0.003
TCDH023	23.6	26	240	1110	0.111	0.024
TCDH023	26	28	40	830	8.30E-02	4.00E-03
TCDH023	28	30	120	1020	0.102	0.012
TCDH023	30	32	170	770	0.077	1.70E-02
TCDH023	32	34	530	770	0.077	5.30E-02
TCDH023	34	36	260	920	0.092	2.60E-02
TCDH023	36	38	370	960	9.60E-02	0.037
TCDH023	38	40	350	830	8.30E-02	0.035
TCDH023	40	42	520	1120	0.112	5.20E-02
TCDH023	42	44	120	2060	0.206	0.012
TCDH023	44	46	80	1100	0.11	8.00E-03
TCDH023	46	47.599998	80	800	8.00E-02	8.00E-03
TCDH023	49.099998	52	1680	730	7.30E-02	0.168
TCDH023	52	54	50	500	5.00E-02	5.00E-03
TCDH023	54	55.099998	20	330	0.033	2.00E-03
TCDH023	55.099998	56.599998	120	790	7.90E-02	0.012
TCDH023	56.599998	58.099998	40	87600	8.7600002	4.00E-03
TCDH023	58.099998	59	80	110500	11.05	8.00E-03
TCDH023	59	60	90	40800	4.0799999	9.00E-03
TCDH023	60	61	70	26300	2.6300001	7.00E-03
TCDH023	61	62	100	109000	10.9	1.00E-02
TCDH023	62	63.599998	70	54500	5.4499998	7.00E-03
TCDH023	63.599998	64.099998	40	63400	6.3400002	4.00E-03
TCDH023	64.099998	65	70	178000	17.799999	7.00E-03
TCDH023	65	66.599998	40	121500	12.15	4.00E-03
TCDH023	66.599998	67.099998	60	73100	7.3099999	6.00E-03
TCDH023	67.099998	69.599998	170	297000	29.700001	1.70E-02
TCDH023	69.599998	70.099998	330	153500	15.35	0.033
TCDH023	70.099998	71.599998	440	165000	16.5	0.044
TCDH023	71.599998	73.099998	280	150500	15.05	2.80E-02

TCDH023	73.099998	74.599998	150	199500	19.950001	0.015
TCDH023	74.599998	76.099998	400	1610	0.161	4.00E-02
TCDH023	76.099998	77.599998	840	1510	0.15099999	8.40E-02
TCDH023	77.599998	79.099998	1410	137500	13.75	0.141
TCDH023	79.099998	80.599998	810	65400	6.54	0.081
TCDH023	80.599998	82.099998	440	70700	7.0700002	0.044
TCDH023	82.099998	83.599998	230	19800	1.98	0.023
TCDH023	83.599998	85.099998	1470	30300	3.03	0.147
TCDH023	85.099998	86	5730	273000	27.299999	0.57300001
TCDH023	86	87	4210	369000	36.900002	0.421
TCDH023	87	88.099998	3770	387000	38.700001	0.377
TCDH023	88.099998	89	1930	337000	33.700001	0.193
TCDH023	89	90	3820	136000	13.6	0.382
TCDH023	90	91.099998	3710	327000	32.700001	0.37099999
TCDH023	91.099998	92.599998	1330	163500	16.35	0.133
TCDH023	92.599998	94.099998	680	89000	8.8999996	6.80E-02
TCDH023	94.099998	95.599998	3450	292000	29.200001	0.345
TCDH023	98.599998	100.1	5090	301000	30.1	0.509
TCDH023	100.1	101.6	270	41400	4.1399999	2.70E-02
TCDH023	101.6	103.1	3470	254000	25.4	0.347
TCDH023	103.1	104.6	550	383000	38.299999	0.055
TCDH023	104.6	106.1	2490	259000	25.9	0.249
TCDH023	106.1	107.1	2060	303000	30.299999	0.206
TCDH023	107.6	109.1	470	296000	29.6	4.70E-02
TCDH023	109.1	110.6	30	9830	0.98299998	0.003
TCDH023	110.6	112.1	230	22000	2.2	0.023
TCDH023	112.1	113.6	540	57300	5.73	5.40E-02
TCDH023	113.6	115.1	350	79900	7.9899998	0.035
TCDH023	115.1	116.6	980	157500	15.75	9.80E-02
TCDH023	116.6	118.1	220	19700	1.97	0.022
TCDH023	118.1	119.6	560	41400	4.1399999	5.60E-02
TCDH023	119.6	121.1	120	10600	1.0599999	0.012
TCDH023	121.1	122.6	690	15100	1.51	6.90E-02
TCDH023	122.6	124.1	2380	41100	4.1100001	0.23800001
TCDH023	124.1	125.6	980	29200	2.9200001	9.80E-02
TCDH023	125.6	127.1	650	13000	1.3	6.50E-02
TCDH023	127.1	128.60001	300	9490	0.949	3.00E-02
TCDH023	128.60001	130.10001	180	14000	1.4	1.80E-02
TCDH023	130.10001	134.60001	280	13700	1.37	2.80E-02
TCDH023	136.10001	137.60001	3480	19300	1.9299999	0.34799999
TCDH023	137.60001	139.10001	1850	52700	5.27	0.185
TCDH023	139.10001	140.60001	1210	81400	8.1400003	0.121
TCDH023	140.60001	142.10001	170	27900	2.79	1.70E-02
TCDH023	142.10001	143.60001	700	49900	4.9899998	0.07
TCDH023	143.60001	145.10001	1160	98600	9.8599997	0.116
TCDH023	145.10001	146.60001	670	52600	5.2600002	6.70E-02
TCDH023	146.60001	148.10001	3720	55300	5.5300002	0.37200001
TCDH023	148.10001	149.60001	270	470	4.70E-02	2.70E-02
TCDH023	149.60001	151.10001	270	210	0.021	2.70E-02
TCDH023	151.10001	154.10001	180	40	4.00E-03	1.80E-02
TCDH023	154.10001	157.10001	110	40	4.00E-03	0.011
TCDH023	157.10001	160.10001	60	50	5.00E-03	6.00E-03
TCDH023	160.10001	163.10001	120	30	0.003	0.012
TCDH023	163.10001	166.10001	170	10	0.001	1.70E-02
TCDH023	166.10001	169.10001	180	20	2.00E-03	1.80E-02
TCDH023	169.10001	172.10001	300	-10	-0.001	3.00E-02
TCDH023	172.10001	176.60001	230	-10	-0.001	0.023
TCDH024	0	2	410	860	8.60E-02	4.10E-02
TCDH024	2	4	480	610	6.10E-02	0.048
TCDH024	4	6	460	670	6.70E-02	0.046
TCDH024	6	8	110	390	3.90E-02	0.011
TCDH024	8	10	250	570	0.057	0.025
TCDH024	10	12	130	800	8.00E-02	0.013

TCDH024	12	14	100	960	9.60E-02	1.00E-02
TCDH024	14	16	40	750	7.50E-02	4.00E-03
TCDH024	16	18	150	1580	0.15800001	0.015
TCDH024	18	19	460	36000	3.5999999	0.046
TCDH024	19	20	5600	110000	11	0.56
TCDH024	20	21	1820	6240	0.62400001	0.182
TCDH024	21	22	1130	5860	0.58600003	0.113
TCDH024	22	23	150	8040	0.80400002	0.015
TCDH024	23	24	230	32000	3.2	0.023
TCDH024	24	25	280	26100	2.6099999	2.80E-02
TCDH024	25	26	270	31300	3.1300001	2.70E-02
TCDH024	26	27	470	14600	1.46	4.70E-02
TCDH024	27	28	440	99700	9.9700003	0.044
TCDH024	28	29	430	70700	7.0700002	4.30E-02
TCDH024	29	30	1840	54900	5.4899998	0.184
TCDH024	30	31				
TCDH024	31	32				
TCDH024	32	33				
TCDH024	33	34				
TCDH024	34	35				
TCDH024	35	36				
TCDH024	36	37				
TCDH024	37	38				
TCDH024	38	39				
TCDH024	39	40				
TCDH024	40	41	100	7790	0.77899998	1.00E-02
TCDH024	41	42	120	12200	1.22	0.012
TCDH024	42	43	210	23900	2.3900001	0.021
TCDH024	43	44	40	5020	0.50199997	4.00E-03
TCDH024	44	45	670	38400	3.8399999	6.70E-02
TCDH024	45	46	380	28200	2.8199999	3.80E-02
TCDH024	46	47	2220	35700	3.5699999	0.222
TCDH024	47	48	20	4420	0.442	2.00E-03
TCDH024	48	49	50	3160	0.31600001	5.00E-03
TCDH024	49	50	190	23400	2.3399999	1.90E-02
TCDH024	50	51	50	4220	0.42199999	5.00E-03
TCDH024	51	52	520	37300	3.73	5.20E-02
TCDH024	52	53	670	89100	8.9099998	6.70E-02
TCDH024	53	54	610	136500	13.65	6.10E-02
TCDH024	54	55	450	35500	3.55	4.50E-02
TCDH024	55	56	600	85100	8.5100002	6.00E-02
TCDH024	56	57	480	69400	6.9400001	0.048
TCDH024	57	58	520	72900	7.29	5.20E-02
TCDH024	58	59	420	119500	11.95	4.20E-02
TCDH024	59	60	500	98500	9.8500004	5.00E-02
TCDH024	60	61	100	11200	1.12	1.00E-02
TCDH024	61	62	90	11000	1.1	9.00E-03
TCDH024	62	63	480	55300	5.5300002	0.048
TCDH024	63	64	730	123000	12.3	7.30E-02
TCDH024	64	66.599998	150	4350	0.435	0.015
TCDH024	66.599998	68.099998	2530	22200	2.22	0.25299999
TCDH024	68.099998	69.599998	340	10900	1.09	3.40E-02
TCDH024	69.599998	71.099998	770	16300	1.63	0.077
TCDH024	71.099998	72.599998	470	20100	2.01	4.70E-02
TCDH024	72.599998	74.099998	470	21500	2.1500001	4.70E-02
TCDH024	74.099998	75.599998	620	15800	1.58	6.20E-02
TCDH024	75.599998	77.099998	650	7470	0.74699998	6.50E-02
TCDH024	77.099998	78.599998	830	8190	0.81900001	8.30E-02
TCDH024	78.599998	80.099998	3670	12500	1.25	0.36700001
TCDH024	80.099998	81.599998	6310	32200	3.22	0.63099998
TCDH024	81.599998	83.099998	4490	51800	5.1799998	0.449
TCDH024	83.099998	84	1490	60200	6.02	0.149
TCDH024	84	85	1490	57800	5.7800002	0.149

TCDH024	85	86	2410	18000	1.8	0.241
TCDH024	86	87	5440	63800	6.3800001	0.54400003
TCDH024	87	88	7010	24600	2.46	0.70099998
TCDH024	88	89	12200	37200	3.72	1.22
TCDH024	89	90	9760	17100	1.71	0.97600001
TCDH024	90	91	13550	20700	2.0699999	1.355
TCDH024	91	92	9820	19700	1.97	0.98199999
TCDH024	92	94	18800	30000	3	1.88
TCDH024	94	96	13700	22500	2.25	1.37
TCDH024	96	99.599998	9000	29800	2.98	0.89999998
TCDH024	101.1	102.6	6040	20000	2	0.60399997
TCDH024	102.6	104.1	11650	36400	3.6400001	1.165
TCDH024	104.1	106	6620	22900	2.29	0.662
TCDH024	107.1	108.6	9250	72900	7.29	0.92500001
TCDH024	108.6	110.1	3270	12700	1.27	0.32699999
TCDH024	110.1	111.7	6900	60400	6.04	0.69
TCDH024	113.1	115.1	160	3170	0.317	1.60E-02
TCDH024	115.1	117.1	30	2090	0.20900001	0.003
TCDH024	117.1	119.1	290	2430	0.243	2.90E-02
TCDH024	119.1	120.6	2320	11300	1.13	0.23199999
TCDH024	123.6	125.1	510	2370	0.237	5.10E-02
TCDH024	125.1	126.6	3220	29200	2.9200001	0.322
TCDH024	126.6	128.10001	330	15400	1.54	0.033
TCDH024	128.10001	129.60001	2350	10100	1.01	0.235
TCDH024	129.60001	131.10001	5190	17500	1.75	0.51899999
TCDH024	131.10001	132.60001	5940	15100	1.51	0.59399998
TCDH024	132.60001	134.10001	6680	29500	2.95	0.66799998
TCDH024	134.10001	135.60001	3530	31600	3.1600001	0.35299999
TCDH024	135.60001	137.10001	3610	11600	1.16	0.361
TCDH024	137.10001	138.60001	8360	4100	0.41	0.83600003
TCDH024	138.60001	140.10001	7620	2770	0.27700001	0.76200002
TCDH025	0	2	70	150	0.015	7.00E-03
TCDH025	2	4	90	200	0.02	9.00E-03
TCDH025	4	6	90	300	3.00E-02	9.00E-03
TCDH025	6	8	70	340	3.40E-02	7.00E-03
TCDH025	8	10	100	430	4.30E-02	1.00E-02
TCDH025	10	12	70	400	4.00E-02	7.00E-03
TCDH025	12	14	120	480	0.048	0.012
TCDH025	14	16	130	480	0.048	0.013
TCDH025	16	18	-10	-10	-0.001	-0.001
TCDH025	18	20	200	720	7.20E-02	0.02
TCDH025	20	22	160	510	5.10E-02	1.60E-02
TCDH025	22	24	180	490	4.90E-02	1.80E-02
TCDH025	24	26	200	520	5.20E-02	0.02
TCDH025	26	28	190	490	4.90E-02	1.90E-02
TCDH025	28	30	120	510	5.10E-02	0.012
TCDH025	30	32	40	350	0.035	4.00E-03
TCDH025	32	34	10	240	0.024	0.001
TCDH025	34	36	20	280	2.80E-02	2.00E-03
TCDH025	36	38	20	320	3.20E-02	2.00E-03
TCDH025	38	40	40	640	6.40E-02	4.00E-03
TCDH025	40	42	30	560	5.60E-02	0.003
TCDH025	42	44	50	670	6.70E-02	5.00E-03
TCDH025	44	46	50	490	4.90E-02	5.00E-03
TCDH025	46	48	50	740	7.40E-02	5.00E-03
TCDH025	48	50	60	920	0.092	6.00E-03
TCDH025	50	52	60	730	7.30E-02	6.00E-03
TCDH025	52	54	70	650	6.50E-02	7.00E-03
TCDH025	54	56	120	820	8.20E-02	0.012
TCDH025	56	58	90	2100	0.20999999	9.00E-03
TCDH025	58	60	100	1370	0.13699999	1.00E-02
TCDH025	60	62	130	8930	0.89300001	0.013
TCDH025	62	64	260	1720	0.17200001	2.60E-02

TCDH025	64	66	130	1430	0.14300001	0.013
TCDH025	66	68	90	930	9.30E-02	9.00E-03
TCDH025	68	70	80	970	9.70E-02	8.00E-03
TCDH025	70	72	110	1160	0.116	0.011
TCDH025	72	74	160	2480	0.248	1.60E-02
TCDH025	74	76	80	1130	0.113	8.00E-03
TCDH025	76	78	580	5200	0.51999998	5.80E-02
TCDH025	78	79	970	10900	1.09	9.70E-02
TCDH025	79	80	2060	13800	1.38	0.206
TCDH025	80	81	3440	107000	10.7	0.34400001
TCDH025	81	82	1750	36300	3.6300001	0.175
TCDH025	82	83	1230	46900	4.6900001	0.123
TCDH025	83	84	460	31800	3.1800001	0.046
TCDH025	84	85	130	3660	0.366	0.013
TCDH025	85	86	360	1860	0.186	3.60E-02
TCDH025	86	87	440	16800	1.6799999	0.044
TCDH025	87	88	210	6980	0.69800001	0.021
TCDH025	88	89	930	5120	0.51200002	9.30E-02
TCDH025	89	90	530	6240	0.62400001	5.30E-02
TCDH025	90	91	460	6770	0.67699999	0.046
TCDH025	91	92	340	4740	0.47400001	3.40E-02
TCDH025	92	94	500	5380	0.53799999	5.00E-02
TCDH025	94	96	4160	40700	4.0700002	0.41600001
TCDH025	96	98	2770	7320	0.73199999	0.27700001
TCDH025	98	99	860	8170	0.81699997	8.60E-02
TCDH025	99	100	1840	9550	0.95499998	0.184
TCDH025	100	101	13050	30700	3.0699999	1.3049999
TCDH025	101	102	12000	99700	9.9700003	1.2
TCDH025	102	103	910	46800	4.6799998	9.10E-02
TCDH025	103	104	2330	39200	3.9200001	0.233
TCDH025	104	105	1260	60300	6.0300002	0.126
TCDH025	105	106	800	48100	4.8099999	8.00E-02
TCDH025	106	107	1870	41200	4.1199999	0.18700001
TCDH025	107	108	1040	54800	5.48	0.104
TCDH025	108	109	2580	54800	5.48	0.25799999
TCDH025	109	110	1070	34000	3.4000001	0.107
TCDH025	110	111	1810	35200	3.52	0.18099999
TCDH025	111	111.5	1560	69900	6.9899998	0.156
TCDH025	111.5	113	80	6870	0.68699998	8.00E-03
TCDH025	113	114.5	190	20300	2.03	1.90E-02
TCDH025	114.5	115	310	41900	4.1900001	3.10E-02
TCDH025	115	116	210	34600	3.46	0.021
TCDH025	116	117.5	270	64100	6.4099998	2.70E-02
TCDH025	117.5	119	500	118500	11.85	5.00E-02
TCDH025	119	120.5	200	30200	3.02	0.02
TCDH025	122	123.5	330	21800	2.1800001	0.033
TCDH025	123.5	124	680	189000	18.9	6.80E-02
TCDH025	124	125	120	50600	5.0599999	0.012
TCDH025	125	126	150	40200	4.02	0.015
TCDH025	126	127	370	85500	8.5500002	0.037
TCDH025	127	128	170	22200	2.22	1.70E-02
TCDH025	128	129	130	60900	6.0900002	0.013
TCDH025	129	130	300	85800	8.5799999	3.00E-02
TCDH025	130	131	130	45200	4.52	0.013
TCDH025	131	132	190	56800	5.6799998	1.90E-02
TCDH025	132	133	170	30100	3.01	1.70E-02
TCDH025	133	134	130	17300	1.73	0.013
TCDH025	134	135	130	25500	2.55	0.013
TCDH025	135	136	240	93100.008	9.3100004	0.024
TCDH025	136	137	170	25800	2.5799999	1.70E-02
TCDH025	137	138	140	95000	9.5	0.014
TCDH025	138	140	90	4460	0.44600001	9.00E-03
TCDH025	140	142	90	5800	0.57999998	9.00E-03

TCDH025	142	143	330	153000	15.3	0.033
TCDH025	143	144	380	92100	9.21	3.80E-02
TCDH025	144	145	150	85300	8.5299997	0.015
TCDH025	145	146	410	99799.992	9.9799995	4.10E-02
TCDH025	146	148	210	9530	0.95300001	0.021
TCDH025	148	149	150	5710	0.57099998	0.015
TCDH025	149	150	350	24500	2.45	0.035
TCDH025	150	151	250	33500	3.3499999	0.025
TCDH025	151	152	450	2710	0.271	4.50E-02
TCDH025	152	153	330	71400	7.1399999	0.033
TCDH025	153	154	150	21300	2.1300001	0.015
TCDH025	154	155	320	10100	1.01	3.20E-02
TCDH025	155	156	250	48200	4.8200002	0.025
TCDH025	156	157	110	52200	5.2199998	0.011
TCDH025	157	158	260	57100	5.71	2.60E-02
TCDH025	158	159	400	15400	1.54	4.00E-02
TCDH025	159	160	400	30400	3.04	4.00E-02
TCDH025	160	161	290	26000	2.5999999	2.90E-02
TCDH025	161	162	150	1690	0.169	0.015
TCDH025	162	163	80	5560	0.55599999	8.00E-03
TCDH025	163	164	170	65700	6.5700002	1.70E-02
TCDH025	164	165	170	68200	6.8200002	1.70E-02
TCDH025	165	166	150	70500	7.0500002	0.015
TCDH025	166	167	70	20000	2	7.00E-03
TCDH025	167	168	70	53600	5.3600001	7.00E-03
TCDH025	168	169	90	77800	7.7800002	9.00E-03
TCDH025	169	170	130	201000	20.1	0.013
TCDH025	170	171.5	130	104000	10.4	0.013
TCDH025	171.5	173	410	261000	26.1	4.10E-02
TCDH025	173	174.5	160	173000	17.299999	1.60E-02
TCDH025	174.5	176	390	231000	23.1	3.90E-02
TCDH025	176	177.5	1470	259000	25.9	0.147
TCDH025	177.5	178	1570	273000	27.299999	0.15700001
TCDH025	178	179	280	71000	7.0999999	2.80E-02
TCDH025	179	180	430	48900	4.8899999	4.30E-02
TCDH025	180	181	90	54500	5.4499998	9.00E-03
TCDH025	181	183	180	30200	3.02	1.80E-02
TCDH025	183	184	240	59400	5.9400001	0.024
TCDH025	184	185	360	52900	5.29	3.60E-02
TCDH025	185	186	50	19200	1.92	5.00E-03
TCDH025	186	187	220	69000	6.9000001	0.022
TCDH025	187	188	270	43200	4.3200002	2.70E-02
TCDH025	188	189	910	48700	4.8699999	9.10E-02
TCDH025	189	190	440	10700	1.0700001	0.044
TCDH025	190	191	250	2770	0.27700001	0.025
TCDH025	191	192	720	12300	1.23	7.20E-02
TCDH025	192	194	350	5610	0.56099999	0.035
TCDH025	194	196	1120	5090	0.509	0.112
TCDH025	196	198	680	3300	0.33000001	6.80E-02
TCDH025	198	200	430	1680	0.168	4.30E-02
TCDH025	200	202	4520	16900	1.6900001	0.45199999
TCDH025	202	204	5690	34400	3.4400001	0.56900001
TCDH025	204	205	3360	24800	2.48	0.336
TCDH025	205	206	590	8810	0.88099998	0.059
TCDH025	206	207	520	7860	0.78600001	5.20E-02
TCDH025	207	208	270	3700	0.37	2.70E-02
TCDH025	208	208.89999	4310	20000	2	0.43099999
TCDH025	211.10001	212.7	6600	27100	2.71	0.66000003
TCDH026	0	2	920	720	7.20E-02	0.092
TCDH026	2	4	1590	1680	0.168	0.15899999
TCDH026	4	6	440	1400	0.14	0.044
TCDH026	6	8	300	1290	0.12899999	3.00E-02
TCDH026	8	10	120	850	8.50E-02	0.012

TCDH026	10	12	90	860	8.60E-02	9.00E-03
TCDH026	12	14	30	410	4.10E-02	0.003
TCDH026	14	16	140	360	3.60E-02	0.014
TCDH026	16	18	50	330	0.033	5.00E-03
TCDH026	18	20				
TCDH026	20	22				
TCDH026	22	24				
TCDH026	24	26				
TCDH026	26	28				
TCDH026	28	30				
TCDH026	30	32				
TCDH026	32	34				
TCDH026	34	35				
TCDH026	35	36				
TCDH026	36	37	570	75000	7.5	0.057
TCDH026	37	38	1630	127000	12.7	0.163
TCDH026	38	39	340	97800	9.7799997	3.40E-02
TCDH026	39	40	410	15800	1.58	4.10E-02
TCDH026	40	41	280	4010	0.40099999	2.80E-02
TCDH026	41	42	70	2890	0.289	7.00E-03
TCDH026	42	43	140	3820	0.382	0.014
TCDH026	43	44	180	9570	0.95700002	1.80E-02
TCDH026	44	45	230	5200	0.51999998	0.023
TCDH026	45	46	230	21500	2.1500001	0.023
TCDH026	46	47	300	16700	1.67	3.00E-02
TCDH026	47	48	250	35100	3.51	0.025
TCDH026	48	49	150	36700	3.6700001	0.015
TCDH026	49	50	180	179000	17.9	1.80E-02
TCDH026	50	51	260	262000	26.200001	2.60E-02
TCDH026	51	52	230	46800	4.6799998	0.023
TCDH026	52	53	170	94700	9.4700003	1.70E-02
TCDH026	53	54	120	93700	9.3699999	0.012
TCDH026	54	55	80	50200	5.02	8.00E-03
TCDH026	55	56	90	39500	3.95	9.00E-03
TCDH026	56	57	30	19100	1.91	0.003
TCDH026	57	58	50	64700	6.4699998	5.00E-03
TCDH026	58	59	120	70800	7.0799999	0.012
TCDH026	59	60.5	90	46100	4.6100001	9.00E-03
TCDH026	60.5	62	200	69500	6.9499998	0.02
TCDH026	62	63.099998	80	31300	3.1300001	8.00E-03
TCDH026	63.099998	64	30	18700	1.87	0.003
TCDH026	64	65	70	38300	3.8299999	7.00E-03
TCDH026	65	66	60	40500	4.0500002	6.00E-03
TCDH026	66	67	140	88300	8.8299999	0.014
TCDH026	67	68	60	9780	0.97799999	6.00E-03
TCDH026	68	69.5	1760	73800	7.3800001	0.176
TCDH026	69.5	71	800	88100	8.8100004	8.00E-02
TCDH026	71	72	880	99600	9.96	0.088
TCDH026	72	73	720	69100	6.9099998	7.20E-02
TCDH026	73	74	80	15000	1.5	8.00E-03
TCDH026	74	75.5	360	86400	8.6400003	3.60E-02
TCDH026	75.5	77	320	35800	3.5799999	3.20E-02
TCDH026	77	78	50	4250	0.42500001	5.00E-03
TCDH026	78	79	390	40200	4.02	3.90E-02
TCDH026	79	80	170	13400	1.34	1.70E-02
TCDH026	80	81	40	8260	0.82599998	4.00E-03
TCDH026	81	82	90	49000	4.9000001	9.00E-03
TCDH026	82	83	140	10200	1.02	0.014
TCDH026	83	84	40	33400	3.3399999	4.00E-03
TCDH026	84	85	190	15800	1.58	1.90E-02
TCDH026	85	86	60	56600	5.6599998	6.00E-03
TCDH026	86	87	210	29100	2.9100001	0.021
TCDH026	87	89	250	74900	7.4899998	0.025

TCDH026	89	90.5	640	6220	0.62199998	6.40E-02
TCDH026	90.5	92	200	10800	1.08	0.02
TCDH026	92	93	200	17600	1.76	0.02
TCDH026	93	94	180	23100	2.3099999	1.80E-02
TCDH026	94	95	210	20700	2.0699999	0.021
TCDH026	95	96	500	138500	13.85	5.00E-02
TCDH026	96	97	130	56000	5.5999999	0.013
TCDH026	97	98	160	46100	4.6100001	1.60E-02
TCDH026	98	99.5	330	22000	2.2	0.033
TCDH026	99.5	100.7	340	2220	0.222	3.40E-02
TCDH026	100.7	102	160	220	0.022	1.60E-02
TCDH026	102	104	760	200	0.02	7.60E-02
TCDH026	104	105.5	720	3270	0.32699999	7.20E-02
TCDH026	105.5	106.5	240	390	3.90E-02	0.024
TCDH026	106.5	108	1980	2030	0.20299999	0.198
TCDH026	108	109	320	1440	0.14399999	3.20E-02
TCDH026	109	110	240	4270	0.42699999	0.024
TCDH026	110	111.5	210	2790	0.27900001	0.021
TCDH026	111.5	113	1330	11300	1.13	0.133
TCDH026	113	114.5	1910	43200	4.3200002	0.191
TCDH026	114.5	116	620	19800	1.98	6.20E-02
TCDH026	116	117.5	270	16800	1.6799999	2.70E-02
TCDH026	117.5	119	460	71900	7.1900001	0.046
TCDH026	119	120.5	170	35100	3.51	1.70E-02
TCDH026	120.5	122	1230	32200	3.22	0.123
TCDH026	126.5	128	1570	98600	9.8599997	0.15700001
TCDH026	128	129.5	1480	108500	10.85	0.148
TCDH026	131	132.5	210	870	8.70E-02	0.021
TCDH026	132.5	135.5	1240	74300	7.4299998	0.124
TCDH017A	0	2	140	650	6.50E-02	0.014
TCDH017A	2	4	220	570	0.057	0.022
TCDH017A	4	6	1150	1220	0.122	0.115
TCDH017A	6	8	670	1030	0.103	6.70E-02
TCDH017A	8	10	1140	1140	0.114	0.114
TCDH017A	10	12	2180	1520	0.152	0.21799999
TCDH017A	12	14	2990	1930	0.193	0.29899999
TCDH017A	14	16	6460	3200	0.31999999	0.64600003
TCDH017A	16	18	12700	8560	0.85600001	1.27
TCDH017A	18	20	38200	29200	2.9200001	3.8199999
TCDH017A	20	22	6520	5340	0.53399998	0.65200001
TCDH017A	22	24	3590	6900	0.69	0.359
TCDH017A	24	26	9330	9090	0.90899998	0.93300003
TCDH017A	26	28	1010	1070	0.107	0.101
TCDH017A	28	30	790	660	0.066	7.90E-02
TCDH017A	30	32	670	420	4.20E-02	6.70E-02
TCDH017A	32	34	990	640	6.40E-02	9.90E-02
TCDH017A	34	36	930	1070	0.107	9.30E-02
TCDH017A	36	38	1220	1160	0.116	0.122
TCDH017A	38	40	1240	1180	0.118	0.124
TCDH017A	40	42	890	760	7.60E-02	8.90E-02
TCDH017A	42	44	40	1000	0.1	4.00E-03
TCDH017A	44	46	30	1500	0.15000001	0.003
TCDH017A	46	48	10	1010	0.101	0.001
TCDH017A	48	50	-10	1160	0.116	-0.001
TCDH017A	50	52	10	1010	0.101	0.001
TCDH017A	52	54	-10	1520	0.152	-0.001
TCDH017A	54	56	40	11700	1.17	4.00E-03
TCDH017A	56	58	10	1840	0.184	0.001
TCDH017A	58	60	10	2170	0.21699999	0.001
TCDH017A	60	61	10	7150	0.71499997	0.001
TCDH017A	61	62	50	46500	4.6500001	5.00E-03
TCDH017A	62	63	30	38200	3.8199999	0.003
TCDH017A	63	64	40	51400	5.1399999	4.00E-03

TCDH017A	64	65	50	82800	8.2799997	5.00E-03
TCDH017A	65	66	20	64700	6.4699998	2.00E-03
TCDH017A	66	67	10	21100	2.1099999	0.001
TCDH017A	67	68	20	1060	0.106	2.00E-03
TCDH017A	68	69	10	480	0.048	0.001
TCDH017A	69	70	30	6910	0.69099998	0.003
TCDH017A	70	71	40	930	9.30E-02	4.00E-03
TCDH017A	71	72	50	1400	0.14	5.00E-03
TCDH017A	72	73	50	6870	0.68699998	5.00E-03
TCDH017A	73	74	40	4970	0.49700001	4.00E-03
TCDH017A	74	75	50	11700	1.17	5.00E-03
TCDH017A	75	76	40	16000	1.6	4.00E-03
TCDH017A	76	77	40	16900	1.6900001	4.00E-03
TCDH017A	77	78	20	73900	7.3899999	2.00E-03
TCDH017A	78	79	7990	56200	5.6199999	0.79900002
TCDH017A	79	80	130	37800	3.78	0.013
TCDH017A	80	82	210	5850	0.58499998	0.021
TCDH017A	82	84	480	1590	0.15899999	0.048
TCDH017A	84	86	570	3140	0.31400001	0.057
TCDH017A	86	88	900	8960	0.89600003	9.00E-02
TCDH017A	88	90	360	3230	0.32300001	3.60E-02
TCDH017A	90	92	210	5400	0.54000002	0.021
TCDH017A	92	94	170	370	0.037	1.70E-02
TCDH017A	94	96	170	270	2.70E-02	1.70E-02
TCDH017A	96	98	390	3330	0.333	3.90E-02
TCDH017A	98	100	240	1840	0.184	0.024
TCDH017A	100	102	160	510	5.10E-02	1.60E-02
TCDH017A	102	104	160	760	7.60E-02	1.60E-02
TCDH017A	104	105	140	1070	0.107	0.014
TCDH017A	105	106	240	3390	0.33899999	0.024
TCDH017A	106	107	150	650	6.50E-02	0.015
TCDH017A	107	108	210	9040	0.90399998	0.021
TCDH017A	108	109	430	59600	5.96	4.30E-02
TCDH017A	109	110	820	15100	1.51	8.20E-02
TCDH017A	110	111	100	11000	1.1	1.00E-02
TCDH017A	111	112	60	2370	0.237	6.00E-03
TCDH017A	112	113	90	1140	0.114	9.00E-03
TCDH017A	113	114	160	710	7.10E-02	1.60E-02
TCDH017A	114	115	130	1520	0.152	0.013
TCDH017A	115	116	110	720	7.20E-02	0.011
TCDH017A	116	117	180	1790	0.17900001	1.80E-02
TCDH017A	117	118	160	2630	0.26300001	1.60E-02
TCDH017A	118	119	170	5150	0.51499999	1.70E-02
TCDH017A	119	120	320	3930	0.39300001	3.20E-02
TCDH017A	120	121	880	6660	0.66600001	0.088
TCDH017A	121	122	450	4100	0.41	4.50E-02
TCDH017A	122	123	180	5350	0.53500003	1.80E-02
TCDH017A	123	124	130	1420	0.142	0.013
TCDH017A	124	125	180	350	0.035	1.80E-02
TCDH017A	125	126	130	350	0.035	0.013
TCDH017A	126	127	100	610	6.10E-02	1.00E-02
TCDH017A	127	128	160	820	8.20E-02	1.60E-02
TCDH017A	128	129	520	1290	0.12899999	5.20E-02
TCDH017A	129	130	560	8740	0.87400001	5.60E-02
TCDH017A	130	131	230	20600	2.0599999	0.023
TCDH017A	131	132	180	8490	0.84899998	1.80E-02
TCDH017A	132	133	280	15500	1.55	2.80E-02
TCDH017A	133	134	270	12200	1.22	2.70E-02
TCDH017A	134	135	170	90500	9.0500002	1.70E-02
TCDH017A	135	136	140	11400	1.14	0.014
TCDH017A	136	137	140	38500	3.8499999	0.014
TCDH017A	137	138	160	13100	1.3099999	1.60E-02
TCDH017A	138	139	190	28000	2.8	1.90E-02

TCDH017A	139	140	360	51500	5.1500001	3.60E-02
TCDH017A	140	141	280	85900	8.5900002	2.80E-02
TCDH017A	141	142	420	84100	8.4099998	4.20E-02
TCDH017A	142	143	80	2200	0.22	8.00E-03
TCDH017A	143	144	120	15800	1.58	0.012
TCDH017A	144	145	170	25900	2.5899999	1.70E-02
TCDH017A	145	146	170	7950	0.79500002	1.70E-02
TCDH017A	146	147	170	28700	2.8699999	1.70E-02
TCDH017A	147	148	170	3760	0.37599999	1.70E-02
TCDH017A	148	149	1380	112500	11.25	0.138
TCDH017A	149	150	250	6230	0.62300003	0.025
TCDH017A	150	153.60001	480	27000	2.7	0.048
TCDH017A	155.10001	156.60001	2300	89100	8.9099998	0.23
TCDH017A	156.60001	158.10001	540	29000	2.9000001	5.40E-02
TCDH017A	158.10001	159.60001	810	32900	3.29	0.081
TCDH017A	159.60001	161.10001	340	10900	1.09	3.40E-02
TCDH027	0	2	360	240	0.024	3.60E-02
TCDH027	2	4	280	210	0.021	2.80E-02
TCDH027	4	5	930	330	0.033	9.30E-02
TCDH027	5	6	220	320	3.20E-02	0.022
TCDH027	6	7	720	490	4.90E-02	7.20E-02
TCDH027	7	8	370	350	0.035	0.037
TCDH027	8	10	200	340	3.40E-02	0.02
TCDH027	10	11	260	480	0.048	2.60E-02
TCDH027	11	12	580	11400	1.14	5.80E-02
TCDH027	12	13	620	10100	1.01	6.20E-02
TCDH027	13	14	490	1060	0.106	4.90E-02
TCDH027	14	15	230	830	8.30E-02	0.023
TCDH027	15	16	410	690	6.90E-02	4.10E-02
TCDH027	16	17	690	740	7.40E-02	6.90E-02
TCDH027	17	18	2560	1900	0.19	0.25600001
TCDH027	18	19	740	860	8.60E-02	7.40E-02
TCDH027	19	20	2650	4230	0.42300001	0.26499999
TCDH027	20	21	1050	1760	0.176	0.105
TCDH027	21	22	1170	1690	0.169	0.117
TCDH027	22	23	210	930	9.30E-02	0.021
TCDH027	23	24	2050	1650	0.16500001	0.205
TCDH027	24	25	2610	2030	0.20299999	0.26100001
TCDH027	25	26	5690	12500	1.25	0.56900001
TCDH027	26	27	5790	55500	5.5500002	0.579
TCDH027	27	28	1640	1720	0.17200001	0.164
TCDH027	28	29.200001	530	820	8.20E-02	5.30E-02
TCDH027	29.200001	30.700001	2220	23900	2.3900001	0.222
TCDH027	30.700001	32.200001	270	4720	0.472	2.70E-02
TCDH027	32.200001	33	280	41000	4.0999999	2.80E-02
TCDH027	33	34	310	7000	0.69999999	3.10E-02
TCDH027	34	35	520	136000	13.6	5.20E-02
TCDH027	35	36	510	85800	8.5799999	5.10E-02
TCDH027	36	37	530	34700	3.47	5.30E-02
TCDH027	37	38	670	11000	1.1	6.70E-02
TCDH027	38	39	490	4280	0.428	4.90E-02
TCDH027	39	40	2160	136500	13.65	0.21600001
TCDH027	40	41	1030	16700	1.67	0.103
TCDH027	41	42	1290	19100	1.91	0.12899999
TCDH027	42	43	400	34000	3.4000001	4.00E-02
TCDH027	43	44	1130	122500	12.25	0.113
TCDH027	44	45	1010	47200	4.7199998	0.101
TCDH027	45	46	290	6960	0.69599998	2.90E-02
TCDH027	46	47	420	6100	0.61000001	4.20E-02
TCDH027	47	48	190	3890	0.389	1.90E-02
TCDH027	48	49	560	3920	0.39199999	5.60E-02
TCDH027	49	50	950	17550	1.755	9.50E-02
TCDH027	50	51	1770	45500	4.5500002	0.177

TCDH027	51	52	2570	211000	21.1	0.257
TCDH027	52	53	1360	83200	8.3199997	0.13600001
TCDH027	53	54	1190	35300	3.53	0.119
TCDH027	54	55	460	54800	5.48	0.046
TCDH027	55	56	180	17800	1.78	1.80E-02
TCDH027	56	57	230	57700	5.77	0.023
TCDH027	57	58	460	84200	8.4200001	0.046
TCDH027	58	59	280	77200	7.7199998	2.80E-02
TCDH027	59	60	110	7560	0.75599998	0.011
TCDH027	60	61	380	45200	4.52	3.80E-02
TCDH027	61	62.200001	330	5130	0.51300001	0.033
TCDH027	63.700001	65.199997	200	1940	0.19400001	0.02
TCDH027	65.199997	66	870	34000	3.4000001	8.70E-02
TCDH027	66	67	300	9620	0.96200001	3.00E-02
TCDH027	67	68	270	3750	0.375	2.70E-02
TCDH027	68	69	100	2030	0.20299999	1.00E-02
TCDH027	69	70	90	2780	0.278	9.00E-03
TCDH027	70	71	340	2660	0.266	3.40E-02
TCDH027	71	72	150	1940	0.19400001	0.015
TCDH027	72	73	50	1000	0.1	5.00E-03
TCDH027	73	74	70	710	7.10E-02	7.00E-03
TCDH027	74	75	220	3340	0.33399999	0.022
TCDH027	75	76	380	2710	0.271	3.80E-02
TCDH027	76	77	200	2570	0.257	0.02
TCDH027	77	78	170	3650	0.36500001	1.70E-02
TCDH027	78	79	150	5720	0.57200003	0.015
TCDH027	79	80.199997	230	85300	8.5299997	0.023
TCDH027	80.199997	81	100	18700	1.87	1.00E-02
TCDH027	81	82	70	2590	0.259	7.00E-03
TCDH027	82	83	50	16900	1.6900001	5.00E-03
TCDH027	83	84.300003	80	11500	1.15	8.00E-03
TCDH027	84.300003	86	190	130500	13.05	1.90E-02
TCDH027	86	87.699997	280	186000	18.6	2.80E-02
TCDH027	87.699997	88.699997	130	34600	3.46	0.013
TCDH027	88.699997	89	380	183500	18.35	3.80E-02
TCDH027	89	90	250	78700	7.8699999	0.025
TCDH027	90	91	160	46300	4.6300001	1.60E-02
TCDH027	91	92	130	96800	9.6800003	0.013
TCDH027	92	93	130	46400	4.6399999	0.013
TCDH027	93	94	120	4240	0.42399999	0.012
TCDH027	94	95	100	8570	0.85699999	1.00E-02
TCDH027	95	96	260	104500	10.45	2.60E-02
TCDH027	96	97	80	29100	2.9100001	8.00E-03
TCDH027	97	98	90	23300	2.3299999	9.00E-03
TCDH027	98	99	660	41100	4.1100001	0.066
TCDH027	99	100	370	25200	2.52	0.037
TCDH027	100	101.2	250	7220	0.722	0.025
TCDH027	101.2	102	170	6390	0.639	1.70E-02
TCDH027	102	104	120	2630	0.26300001	0.012
TCDH027	104	106	80	1430	0.14300001	8.00E-03
TCDH027	106	108	100	1830	0.183	1.00E-02
TCDH027	108	108.7	190	1020	0.102	1.90E-02
TCDH027	113.2	114.7	510	19500	1.95	5.10E-02
TCDH027	114.7	116	110	6410	0.64099997	0.011
TCDH027	116	118	130	4160	0.41600001	0.013
TCDH027	118	120	110	3840	0.384	0.011
TCDH027	120	122	100	3920	0.39199999	1.00E-02
TCDH027	122	124	170	10700	1.0700001	1.70E-02
TCDH027	124	126	110	5960	0.59600002	0.011
TCDH027	126	128	110	3760	0.37599999	0.011
TCDH027	128	130	160	2250	0.22499999	1.60E-02
TCDH027	130	132	210	6800	0.68000001	0.021
TCDH027	132	134	420	750	7.50E-02	4.20E-02

TCDH027	134	136	290	920	0.092	2.90E-02
TCDH027	136	138	220	2900	0.28999999	0.022
TCDH027	138	140	450	4310	0.43099999	4.50E-02
TCDH027	140	142	260	760	7.60E-02	2.60E-02
TCDH027	142	144	260	590	0.059	2.60E-02
TCDH027	144	146	290	580	5.80E-02	2.90E-02
TCDH027	146	148	210	360	3.60E-02	0.021
TCDH027	148	150	160	460	0.046	1.60E-02
TCDH027	150	152	220	3650	0.36500001	0.022
TCDH027	152	154	160	1080	0.108	1.60E-02
TCDH027	154	156	240	2150	0.215	0.024
TCDH027	156	158	170	280	2.80E-02	1.70E-02
TCDH027	158	160	240	3000	0.30000001	0.024
TCDH027	160	162	270	5550	0.55500001	2.70E-02
TCDH027	162	164	260	2440	0.244	2.60E-02
TCDH027	164	166	200	2840	0.28400001	0.02
TCDH027	166	168	360	7260	0.72600001	3.60E-02
TCDH027	168	170	260	5080	0.50800002	2.60E-02
TCDH027	170	171	130	1330	0.133	0.013
TCDH027	171	172	120	3430	0.34299999	0.012
TCDH027	172	173	90	860	8.60E-02	9.00E-03
TCDH027	173	174	190	1570	0.15700001	1.90E-02
TCDH027	174	175	260	5770	0.57700002	2.60E-02
TCDH027	175	176	250	1000	0.1	0.025
TCDH027	176	177	700	1720	0.17200001	0.07
TCDH027	177	178	500	740	7.40E-02	5.00E-02
TCDH027	178	179	840	47700	4.77	8.40E-02
TCDH027	179	180	830	34300	3.4300001	8.30E-02
TCDH027	180	181	100	2630	0.26300001	1.00E-02
TCDH027	181	182	140	14100	1.41	0.014
TCDH027	182	183	300	3320	0.33199999	3.00E-02
TCDH027	183	184	190	47200	4.7199998	1.90E-02
TCDH027	184	185	80	11600	1.16	8.00E-03
TCDH027	185	186	150	43200	4.3200002	0.015
TCDH027	186	187	190	12400	1.24	1.90E-02
TCDH027	187	188	160	5670	0.56699997	1.60E-02
TCDH027	188	189	640	1630	0.163	6.40E-02
TCDH027	189	190	1350	4450	0.44499999	0.13500001
TCDH027	190	192	1320	4720	0.472	0.132
TCDH027	192	194	420	890	8.90E-02	4.20E-02
TCDH027	194	196	290	1080	0.108	2.90E-02
TCDH027	196	198	360	2360	0.236	3.60E-02
TCDH027	198	200	320	760	7.60E-02	3.20E-02
TCDH027	200	202	620	4600	0.46000001	6.20E-02
TCDH027	202	204	760	5370	0.537	7.60E-02
TCDH027	204	206	780	4190	0.419	7.80E-02
TCDH027	206	208	170	850	8.50E-02	1.70E-02
TCDH027	208	209.2	600	5960	0.59600002	6.00E-02
TCDH028	0	2	190	520	5.20E-02	1.90E-02
TCDH028	2	4	260	690	6.90E-02	2.60E-02
TCDH028	4	6	110	690	6.90E-02	0.011
TCDH028	6	8	80	610	6.10E-02	8.00E-03
TCDH028	8	10	70	740	7.40E-02	7.00E-03
TCDH028	10	12	110	520	5.20E-02	0.011
TCDH028	12	14	110	500	5.00E-02	0.011
TCDH028	14	16	60	250	0.025	6.00E-03
TCDH028	16	18.299999	340	330	0.033	3.40E-02
TCDH028	18.299999	20.4	50	500	5.00E-02	5.00E-03
TCDH028	20.4	22.5	370	280	2.80E-02	0.037
TCDH028	22.5	24	3060	490	4.90E-02	0.30599999
TCDH028	24	26.299999	430	800	8.00E-02	4.30E-02
TCDH028	26.299999	28	360	680	6.80E-02	3.60E-02
TCDH028	28	30	150	700	0.07	0.015

TCDH028	30	32	1540	910	9.10E-02	0.154
TCDH028	32	34	750	920	0.092	7.50E-02
TCDH028	34	36	2730	1070	0.107	0.273
TCDH028	36	38	310	830	8.30E-02	3.10E-02
TCDH028	38	39	80	430	4.30E-02	8.00E-03
TCDH028	39	40	40	900	9.00E-02	4.00E-03
TCDH028	40	41	60	9730	0.97299999	6.00E-03
TCDH028	41	42	40	1530	0.153	4.00E-03
TCDH028	42	43	110	48400	4.8400002	0.011
TCDH028	43	44	10	2610	0.26100001	0.001
TCDH028	44	45.700001	10	3850	0.38499999	0.001
TCDH028	45.700001	47.200001	110	68300	6.8299999	0.011
TCDH028	47.200001	48.700001	140	118500	11.85	0.014
TCDH028	48.700001	50.200001	90	118500	11.85	9.00E-03
TCDH028	50.200001	51.700001	110	56400	5.6399999	0.011
TCDH028	51.700001	52.799999	960	81600	8.1599998	9.60E-02
TCDH028	52.799999	54.200001	90	27900	2.79	9.00E-03
TCDH028	54.200001	55	40	65300	6.5300002	4.00E-03
TCDH028	55	56	220	47600	4.7600002	0.022
TCDH028	56	57	70	35300	3.53	7.00E-03
TCDH028	57	58	860	90700	9.0699997	8.60E-02
TCDH028	58	59	3770	125500	12.55	0.377
TCDH028	59	60	390	62900	6.29	3.90E-02
TCDH028	60	61	290	64100	6.4099998	2.90E-02
TCDH028	61	62	270	96400	9.6400003	2.70E-02
TCDH028	62	63	160	112000	11.2	1.60E-02
TCDH028	63	64	790	112500	11.25	7.90E-02
TCDH028	64	65.199997	10350	153000	15.3	1.035
TCDH028	65.199997	66.699997				
TCDH028	66.699997	68.199997				
TCDH028	68.199997	69.699997				
TCDH028	69.699997	71.199997				
TCDH028	71.199997	72.699997				
TCDH028	72.699997	74.199997				
TCDH028	75.699997	77.199997				
TCDH028	77.199997	78.699997				
TCDH028	78.699997	80.199997				
TCDH028	80.199997	81.699997				
TCDH028	81.699997	83.199997	260	17300	1.73	2.60E-02
TCDH028	83.199997	84.699997	90	2020	0.20200001	9.00E-03
TCDH028	84.699997	86.199997	210	83800	8.3800001	0.021
TCDH028	86.199997	87.699997	30	6140	0.61400002	0.003
TCDH028	87.699997	89.199997	50	42300	4.23	5.00E-03
TCDH028	89.199997	90.699997	510	120500	12.05	5.10E-02
TCDH028	92.199997	93.699997	11250	84500	8.4499998	1.125
TCDH028	93.699997	95	30500	101000	10.1	3.05
TCDH028	95	96.699997	7440	272000	27.200001	0.74400002
TCDH028	98.199997	99	7500	279000	27.9	0.75
TCDH028	99	100	810	62200	6.2199998	0.081
TCDH028	100	101.2	620	99100	9.9099998	6.20E-02
TCDH028	101.2	102	360	37600	3.76	3.60E-02
TCDH028	102	103	6810	161500	16.15	0.68099999
TCDH028	103	104.2	5640	138500	13.85	0.56400001
TCDH028	104.2	105.7	3540	184000	18.4	0.354
TCDH028	105.7	107.2	16300	298000	29.799999	1.63
TCDH028	107.2	108.7	17650	132000	13.2	1.765
TCDH028	108.7	110.2	7620	122500	12.25	0.76200002
TCDH028	111.7	113.2	5570	90100	9.0100002	0.55699998
TCDH028	113.2	114.7	7020	93200	9.3199997	0.70200002
TCDH028	114.7	116	9740	71600	7.1599998	0.97399998
TCDH028	116	117	12500	56700	5.6700001	1.25
TCDH028	117	118	11800	55000	5.5	1.1799999
TCDH028	118	119	860	40100	4.0100002	8.60E-02

TCDH028	119	120	4060	30500	3.05	0.40599999
TCDH028	120	121	15650	38000	3.8	1.5650001
TCDH028	121	122	1980	11100	1.11	0.198
TCDH028	122	123	580	4500	0.44999999	5.80E-02
TCDH028	123	124	980	14600	1.46	9.80E-02
TCDH028	124	125	710	4510	0.45100001	7.10E-02
TCDH028	125	126	420	3830	0.38299999	4.20E-02
TCDH028	126	127	1000	10200	1.02	0.1
TCDH028	127	128	1300	8490	0.84899998	0.13
TCDH028	128	129.7	1320	12500	1.25	0.132
TCDH028	129.7	131.2	750	6960	0.69599998	7.50E-02
TCDH028	131.2	132.7	370	2430	0.243	0.037
TCDH028	132.7	134.2	540	3150	0.315	5.40E-02
TCDH028	134.2	135.7	290	2270	0.227	2.90E-02
TCDH028	135.7	137.2	2560	6360	0.63599998	0.25600001
TCDH028	137.2	138.7	6440	34200	3.4200001	0.64399999
TCDH028	138.7	140.2	36900	93400	9.3400002	3.6900001
TCDH028	140.2	141.2	2240	45200	4.52	0.22400001
TCDH028	141.7	143.2	1470	2990	0.29899999	0.147
TCDH028	143.2	144	3850	9770	0.977	0.38499999
TCDH028	144	146	2320	6170	0.61699998	0.23199999
TCDH028	146	148	1840	3780	0.37799999	0.184
TCDH028	148	150	4540	4690	0.46900001	0.454
TCDH028	150	152.2	2090	3190	0.31900001	0.20900001
KPAC076	0	4	24	46	4.60E-03	2.40E-03
KPAC076	4	8	9	10	0.001	9.00E-04
KPAC076	8	12	9	6	6.00E-04	9.00E-04
KPAC076	12	16	25	15	0.0015	2.50E-03
KPAC076	16	20	27	5	5.00E-04	2.70E-03
KPAC076	20	24	25	5	5.00E-04	2.50E-03
KPAC076	24	28	30	15	0.0015	0.003
KPAC076	28	32	33	25	2.50E-03	0.0033
KPAC076	32	36	19	6	6.00E-04	0.0019
KPAC076	36	40	15	12	1.20E-03	0.0015
KPAC076	40	44	15	12	1.20E-03	0.0015
KPAC076	44	48	13	6	6.00E-04	0.0013
KPAC076	48	51	12	4	4.00E-04	1.20E-03
KPAC077	0	4	19	34	0.0034	0.0019
KPAC077	4	8	9	7	7.00E-04	9.00E-04
KPAC077	8	12	7	3	3.00E-04	7.00E-04
KPAC077	12	16	7	3	3.00E-04	7.00E-04
KPAC077	16	20	5	3	3.00E-04	5.00E-04
KPAC077	20	24	6	37	0.0037	6.00E-04
KPAC077	24	28	5	9	9.00E-04	5.00E-04
KPAC077	28	32	4	7	7.00E-04	4.00E-04
KPAC077	32	36	5	7	7.00E-04	5.00E-04
KPAC077	36	40	5	4	4.00E-04	5.00E-04
KPAC077	40	44	16	6	6.00E-04	0.0016
KPAC077	44	48	5	4	4.00E-04	5.00E-04
KPAC077	48	52	4	9	9.00E-04	4.00E-04
KPAC077	52	56	6	10	0.001	6.00E-04
KPAC077	56	60	6	8	8.00E-04	6.00E-04
KPAC078	0	4	33	28	2.80E-03	0.0033
KPAC078	4	8	8	11	0.0011	8.00E-04
KPAC078	8	12	5	8	8.00E-04	5.00E-04
KPAC078	12	16	4	8	8.00E-04	4.00E-04
KPAC078	16	20	5	5	5.00E-04	5.00E-04
KPAC078	20	24	5	14	0.0014	5.00E-04
KPAC078	24	28	4	15	0.0015	4.00E-04
KPAC078	28	32	5	11	0.0011	5.00E-04
KPAC078	32	36	5	18	0.0018	5.00E-04
KPAC078	36	40	5	9	9.00E-04	5.00E-04
KPAC078	40	44	4	13	0.0013	4.00E-04

KPAC078	44	48	5	4	4.00E-04	5.00E-04
KPAC078	48	52	6	1	1.00E-04	6.00E-04
KPAC078	52	56	5	1	1.00E-04	5.00E-04
KPAC078	56	60	6	-1	-1.00E-04	6.00E-04
KPAC078	60	64	3	4	4.00E-04	3.00E-04
KPAC078	64	65	7	3	3.00E-04	7.00E-04
KPAC079	0	4	77	43	4.30E-03	0.0077
KPAC079	4	8	12	13	0.0013	1.20E-03
KPAC079	8	12	8	32	3.20E-03	8.00E-04
KPAC079	12	16	7	33	0.0033	7.00E-04
KPAC079	16	20	6	9	9.00E-04	6.00E-04
KPAC079	20	24	6	9	9.00E-04	6.00E-04
KPAC079	24	28	5	22	0.0022	5.00E-04
KPAC079	28	32	5	55	0.0055	5.00E-04
KPAC079	32	36	4	102	0.0102	4.00E-04
KPAC079	36	40	4	91	9.10E-03	4.00E-04
KPAC079	40	44	4	65	6.50E-03	4.00E-04
KPAC079	44	48	3	52	0.0052	3.00E-04
KPAC079	48	50	4	60	6.00E-03	4.00E-04
KPAC080	0	4	783	488	4.88E-02	7.83E-02
KPAC080	4	8	191	277	0.0277	1.91E-02
KPAC080	8	12	164	300	3.00E-02	0.0164
KPAC080	12	16	156	474	4.74E-02	0.0156
KPAC080	16	20	128	1220	0.122	0.0128
KPAC080	20	24	321	1990	0.199	3.21E-02
KPAC080	24	28	154	1070	0.107	0.0154
KPAC080	28	32	55	195	0.0195	0.0055
KPAC080	32	36	52	11	0.0011	0.0052
KPAC080	36	40	54	16	0.0016	5.40E-03
KPAC081	0	4	17	247	2.47E-02	0.0017
KPAC081	4	8	18	561	0.0561	0.0018
KPAC081	8	12	7	808	8.08E-02	7.00E-04
KPAC081	12	14	9	925	9.25E-02	9.00E-04
KPAC081	14	15	11	975	9.75E-02	0.0011
KPAC081	15	16	13	1140	0.114	0.0013
KPAC081	16	17	13	3730	0.373	0.0013
KPAC081	17	18	28	23500	2.3499999	2.80E-03
KPAC081	18	19	37	18700	1.87	0.0037
KPAC081	19	20	12	7380	0.73799998	1.20E-03
KPAC081	20	21	12	11000	1.1	1.20E-03
KPAC081	21	22	10	12200	1.22	0.001
KPAC081	22	23	12	6220	0.62199998	1.20E-03
KPAC081	23	24	6	3970	0.39700001	6.00E-04
KPAC081	24	25	5	17700	1.77	5.00E-04
KPAC081	25	26	5	2550	0.255	5.00E-04
KPAC081	26	27	8	3430	0.34299999	8.00E-04
KPAC081	27	28	15	13700	1.37	0.0015
KPAC081	28	29	89	7200	0.72000003	8.90E-03
KPAC081	29	30	35	2900	0.28999999	3.50E-03
KPAC081	30	31	23	1390	0.139	2.30E-03
KPAC081	31	35	42	1060	0.106	4.20E-03
KPAC081	35	39	53	907	9.07E-02	5.30E-03
KPAC082	0	4	16	300	3.00E-02	0.0016
KPAC082	4	8	5	423	4.23E-02	5.00E-04
KPAC082	8	12	4	802	8.02E-02	4.00E-04
KPAC082	12	16	4	555	5.55E-02	4.00E-04
KPAC082	16	20	10	389	3.89E-02	0.001
KPAC082	20	24	8	323	3.23E-02	8.00E-04
KPAC082	24	28	31	1020	0.102	3.10E-03
KPAC082	28	32	27	742	7.42E-02	2.70E-03
KPAC082	32	34	22	1550	0.155	0.0022
KPAC082	34	35	9	1190	0.119	9.00E-04
KPAC082	35	36	15	13400	1.34	0.0015

KPAC082	36	37	20	2760	0.27599999	2.00E-03
KPAC082	37	38	13	2060	0.206	0.0013
KPAC082	38	39				
KPAC082	39	40	9	2880	0.28799999	9.00E-04
KPAC082	40	41	5	987	9.87E-02	5.00E-04
KPAC082	41	42	3	1150	0.115	3.00E-04
KPAC082	42	43	4	19200	1.92	4.00E-04
KPAC082	43	44	2	73300	7.3299999	2.00E-04
KPAC082	44	45	-1	3250	0.32499999	-1.00E-04
KPAC082	45	46	1	515	0.0515	1.00E-04
KPAC082	46	50	12	1035	0.1035	1.20E-03
KPAC083	0	4	14	261	0.0261	0.0014
KPAC083	4	8	2	413	4.13E-02	2.00E-04
KPAC083	8	12	4	398	3.98E-02	4.00E-04
KPAC083	12	16	2	614	0.0614	2.00E-04
KPAC083	16	20	9	766	0.0766	9.00E-04
KPAC083	20	24	44	602	6.02E-02	0.0044
KPAC083	24	28	24	836	0.0836	2.40E-03
KPAC084	0	4	17	549	5.49E-02	0.0017
KPAC084	4	8	9	1135	0.1135	9.00E-04
KPAC084	8	12	17	1035	0.1035	0.0017
KPAC084	12	16	7	337	0.0337	7.00E-04
KPAC084	16	20	23	908	9.08E-02	2.30E-03
KPAC084	20	24	7	359	0.0359	7.00E-04
KPAC084	24	28	14	716	7.16E-02	0.0014
KPAC084	28	32	16	392	0.0392	0.0016
KPAC084	32	36	8	253	0.0253	8.00E-04
KPAC084	36	40	23	301	3.01E-02	2.30E-03
KPAC084	40	42	13	359	0.0359	0.0013
KPAC085	0	4	27	190	1.90E-02	2.70E-03
KPAC085	4	8	42	353	3.53E-02	4.20E-03
KPAC085	8	12	59	521	5.21E-02	5.90E-03
KPAC085	12	16	44	593	5.93E-02	0.0044
KPAC085	16	20	108	860	8.60E-02	0.0108
KPAC085	20	24	181	1250	0.125	1.81E-02
KPAC085	24	28	190	1190	0.119	1.90E-02
KPAC085	28	32	430	2000	0.2	4.30E-02
KPAC085	32	36	256	440	0.044	2.56E-02
KPAC085	36	40	88	134	0.0134	0.0088
KPAC085	40	44	66	80	8.00E-03	0.0066
KPAC085	44	48	22	31	3.10E-03	0.0022
KPAC085	48	49	15	68	6.80E-03	0.0015
KPAC086	0	4	33	60	6.00E-03	0.0033
KPAC086	4	8	6	8	8.00E-04	6.00E-04
KPAC086	8	12	4	4	4.00E-04	4.00E-04
KPAC086	12	16	8	6	6.00E-04	8.00E-04
KPAC086	16	20	8	6	6.00E-04	8.00E-04
KPAC086	20	24	8	3	3.00E-04	8.00E-04
KPAC086	24	28	5	1	1.00E-04	5.00E-04
KPAC086	28	32	4	2	2.00E-04	4.00E-04
KPAC086	32	36	8	2	2.00E-04	8.00E-04
KPAC086	36	40	8	7	7.00E-04	8.00E-04
KPAC086	40	44	11	48	4.80E-03	0.0011
KPAC086	44	48	7	23	2.30E-03	7.00E-04
KPAC086	48	52	7	21	2.10E-03	7.00E-04
KPAC086	52	56	6	20	2.00E-03	6.00E-04
KPAC086	56	60	3	20	2.00E-03	3.00E-04
KPAC087	0	4	60	304	3.04E-02	6.00E-03
KPAC087	4	8	88	192	1.92E-02	0.0088
KPAC087	8	12	102	124	0.0124	0.0102
KPAC087	12	16	66	109	0.0109	0.0066
KPAC087	16	20	45	95	9.50E-03	4.50E-03
KPAC087	20	24	36	80	8.00E-03	3.60E-03

KPAC087	24	28	15	67	6.70E-03	0.0015
KPAC087	28	32	10	56	5.60E-03	0.001
KPAC087	32	36	10	49	4.90E-03	0.001
KPAC087	36	40	9	30	0.003	9.00E-04
KPAC088	0	4	35	206	0.0206	3.50E-03
KPAC088	4	8	85	269	2.69E-02	8.50E-03
KPAC088	8	12	41	213	2.13E-02	0.0041
KPAC088	12	16	31	132	0.0132	3.10E-03
KPAC088	16	20	24	83	8.30E-03	2.40E-03
KPAC088	20	24	15	65	6.50E-03	0.0015
KPAC088	24	28	15	68	6.80E-03	0.0015
KPAC088	28	32	18	142	0.0142	0.0018
KPAC088	32	36	21	138	0.0138	2.10E-03
KPAC088	36	40	21	102	0.0102	2.10E-03
KPAC089	0	4	54	752	7.52E-02	5.40E-03
KPAC089	4	8	30	850	8.50E-02	0.003
KPAC089	8	12	17	1075	0.1075	0.0017
KPAC089	12	16	20	2600	0.25999999	2.00E-03
KPAC089	16	20	22	5180	0.51800001	0.0022
KPAC089	20	24	22	2200	0.22	0.0022
KPAC089	24	28	20	1555	0.15549999	2.00E-03
KPAC089	28	32	25	1050	0.105	2.50E-03
KPAC089	32	36	55	981	9.81E-02	0.0055
KPAC090	0	4	56	495	0.0495	5.60E-03
KPAC090	4	8	13	270	2.70E-02	0.0013
KPAC090	8	12	5	600	6.00E-02	5.00E-04
KPAC090	12	16	26	1005	0.1005	0.0026
KPAC090	16	20	13	996	9.96E-02	0.0013
KPAC090	20	24	8	913	9.13E-02	8.00E-04
KPAC090	24	28	50	1305	0.1305	5.00E-03
KPAC090	28	32	40	1305	0.1305	4.00E-03
KPAC090	32	36	17	1285	0.1285	0.0017
KPAC090	36	40	15	526	0.0526	0.0015
KPAC090	40	44	23	764	7.64E-02	2.30E-03
KPAC090	44	47	27	1240	0.124	2.70E-03
KPAC090	47	48	26	1245	0.1245	0.0026
KPAC090	48	49	59	3190	0.31900001	5.90E-03
KPAC090	49	50	17	9510	0.95099998	0.0017
KPAC090	50	51	20	10600	1.0599999	2.00E-03
KPAC091	0	4	149	806	8.06E-02	0.0149
KPAC091	4	8	38	288	0.0288	3.80E-03
KPAC091	8	12	31	364	3.64E-02	3.10E-03
KPAC091	12	16	29	377	3.77E-02	0.0029
KPAC091	16	20	23	448	4.48E-02	2.30E-03
KPAC091	20	24	29	571	5.71E-02	0.0029
KPAC091	24	28	55	972	9.72E-02	0.0055
KPAC091	28	32	53	451	0.0451	5.30E-03
KPAC091	32	36	187	819	8.19E-02	0.0187
KPAC091	36	40	27	1135	0.1135	2.70E-03
KPAC091	40	44	46	1560	0.156	4.60E-03
KPAC091	44	45	25	1915	0.19149999	2.50E-03
KPAC092	0	4	28	411	4.11E-02	2.80E-03
KPAC092	4	8	9	283	0.0283	9.00E-04
KPAC092	8	12	3	238	2.38E-02	3.00E-04
KPAC092	12	16	7	628	6.28E-02	7.00E-04
KPAC092	16	20	7	815	8.15E-02	7.00E-04
KPAC092	20	24	27	771	7.71E-02	2.70E-03
KPAC092	24	28	25	607	6.07E-02	2.50E-03
KPAC092	28	32	10	288	0.0288	0.001
KPAC092	32	36	15	506	0.0506	0.0015
KPAC092	36	40	36	1360	0.13600001	3.60E-03
KPAC092	40	44	37	1555	0.15549999	0.0037
KPAC092	44	46	58	1175	0.1175	5.80E-03

KPAC092	46	47	52	1815	0.1815	0.0052
KPAC092	47	48	27	4030	0.403	2.70E-03
KPAC092	48	49	41	3060	0.30599999	0.0041
KPAC092	49	50	51	3680	0.368	5.10E-03
KPAC092	50	51	37	3620	0.36199999	0.0037
KPAC093	0	4	35	787	7.87E-02	3.50E-03
KPAC093	4	8	16	776	7.76E-02	0.0016
KPAC093	8	12	17	557	0.0557	0.0017
KPAC093	12	16	15	520	5.20E-02	0.0015
KPAC093	16	20	15	433	4.33E-02	0.0015
KPAC093	20	24	5	232	0.0232	5.00E-04
KPAC093	24	28	36	445	4.45E-02	3.60E-03
KPAC093	28	32	36	556	5.56E-02	3.60E-03
KPAC093	32	36	95	654	6.54E-02	9.50E-03
KPAC093	36	40	42	643	6.43E-02	4.20E-03
KPAC093	40	44	32	585	5.85E-02	3.20E-03
KPAC093	44	48	47	964	0.0964	4.70E-03
KPAC093	48	50	49	1170	0.117	4.90E-03
KPAC094	0	4	26	315	3.15E-02	0.0026
KPAC094	4	8	37	556	5.56E-02	0.0037
KPAC094	8	12	85	345	3.45E-02	8.50E-03
KPAC094	12	16	147	766	0.0766	0.0147
KPAC094	16	20	96	827	8.27E-02	9.60E-03
KPAC094	20	24	318	836	0.0836	3.18E-02
KPAC094	24	28	56	463	4.63E-02	5.60E-03
KPAC094	28	30	38	548	0.0548	3.80E-03
KPAC095	0	4	18	280	2.80E-02	0.0018
KPAC095	4	8	28	283	0.0283	2.80E-03
KPAC095	8	12	156	410	4.10E-02	0.0156
KPAC095	12	16	77	590	0.059	0.0077
KPAC095	16	20	78	506	0.0506	7.80E-03
KPAC095	20	24	81	357	3.57E-02	8.10E-03
KPAC095	24	28	55	720	7.20E-02	0.0055
KPAC095	28	32	45	636	6.36E-02	4.50E-03
KPAC095	32	36	57	313	3.13E-02	5.70E-03
KPAC095	36	40	103	347	3.47E-02	0.0103
KPAC095	40	44	79	712	7.12E-02	7.90E-03
KPAC095	44	45	69	1030	0.103	6.90E-03
KPAC096	0	4	20	188	0.0188	2.00E-03
KPAC096	4	8	31	278	2.78E-02	3.10E-03
KPAC096	8	10	66	455	4.55E-02	0.0066
KPAC096	10	12	5	339	0.0339	5.00E-04
KPAC096	12	16	503	715	7.15E-02	5.03E-02
KPAC096	16	20	62	388	3.88E-02	6.20E-03
KPAC096	20	24	216	423	4.23E-02	2.16E-02
KPAC096	24	28	278	504	0.0504	2.78E-02
KPAC096	28	32	29	362	3.62E-02	0.0029
KPAC096	32	36	42	419	4.19E-02	4.20E-03
KPAC096	36	40	89	147	0.0147	8.90E-03
KPAC096	40	44	84	292	2.92E-02	8.40E-03
KPAC096	48	52	46	529	5.29E-02	4.60E-03
KPAC096	52	56	35	965	9.65E-02	3.50E-03
KPAC097	0	4	16	211	0.0211	0.0016
KPAC097	4	8	38	380	3.80E-02	3.80E-03
KPAC097	8	12	166	102500	10.25	0.0166
KPAC097	12	16	162	484	0.0484	0.0162
KPAC097	16	20	146	325	3.25E-02	0.0146
KPAC097	20	24	64	237	2.37E-02	6.40E-03
KPAC097	24	28	95	262	0.0262	9.50E-03
KPAC097	28	32	96	190	1.90E-02	9.60E-03
KPAC097	32	36	84	151	0.0151	8.40E-03
KPAC097	36	40	49	101	0.0101	4.90E-03
KPAC097	40	44	51	119	0.0119	5.10E-03

KPAC097	44	48	96	167	0.0167	9.60E-03
KPAC097	48	52	58	155	0.0155	5.80E-03
KPAC097	52	53	20	114	0.0114	2.00E-03
KPAC098	0	4	19	219	0.0219	0.0019
KPAC098	4	8	8	665	6.65E-02	8.00E-04
KPAC098	8	12	4	232	0.0232	4.00E-04
KPAC098	12	16	-1	402	4.02E-02	-1.00E-04
KPAC098	16	20	7	317	0.0317	7.00E-04
KPAC098	20	24	2	168	1.68E-02	2.00E-04
KPAC098	24	28	10	352	0.0352	0.001
KPAC098	28	32	162	473	0.0473	0.0162
KPAC098	32	36	100	489	4.89E-02	1.00E-02
KPAC098	36	40	205	1110	0.111	2.05E-02
KPAC098	40	44	315	1280	0.12800001	3.15E-02
KPAC098	44	48	252	1140	0.114	0.0252
KPAC098	48	50	325	1220	0.122	3.25E-02
KPAC099	0	4	52	352	0.0352	0.0052
KPAC099	4	8	105	136	0.0136	0.0105
KPAC099	8	12	4	6	6.00E-04	4.00E-04
KPAC099	12	16	3	3	3.00E-04	3.00E-04
KPAC099	16	20	2	3	3.00E-04	2.00E-04
KPAC099	20	24	3	2	2.00E-04	3.00E-04
KPAC099	24	28	1	3	3.00E-04	1.00E-04
KPAC099	28	32	3	3	3.00E-04	3.00E-04
KPAC099	32	36	12	3	3.00E-04	1.20E-03
KPAC099	36	40	8	3	3.00E-04	8.00E-04
KPAC099	40	44	9	116	0.0116	9.00E-04
KPAC099	44	48	13	43	4.30E-03	0.0013
KPAC099	48	51	14	21	2.10E-03	0.0014
KPAC100	0	4	27	95	9.50E-03	2.70E-03
KPAC100	4	8	40	43	4.30E-03	4.00E-03
KPAC100	8	12	12	9	9.00E-04	1.20E-03
KPAC100	12	16	11	5	5.00E-04	0.0011
KPAC100	16	20	11	3	3.00E-04	0.0011
KPAC100	20	24	13	3	3.00E-04	0.0013
KPAC100	24	28	13	35	3.50E-03	0.0013
KPAC100	28	32	13	18	0.0018	0.0013
KPAC100	32	36	13	14	0.0014	0.0013
KPAC100	36	40	10	2	2.00E-04	0.001
KPAC100	40	44	9	2	2.00E-04	9.00E-04
KPAC100	44	45	10	9	9.00E-04	0.001
KPAC101	0	4	154	94	9.40E-03	0.0154
KPAC101	4	8	80	172	1.72E-02	8.00E-03
KPAC101	8	12	50	422	4.22E-02	5.00E-03
KPAC101	12	16	58	141	0.0141	5.80E-03
KPAC101	16	20	62	108	0.0108	6.20E-03
KPAC101	20	24	48	99	9.90E-03	4.80E-03
KPAC101	24	28	59	250	0.025	5.90E-03
KPAC101	28	32	20	24	2.40E-03	2.00E-03
KPAC102	0	4	43	120	0.012	4.30E-03
KPAC102	4	8	14	43	4.30E-03	0.0014
KPAC102	8	12	55	25	2.50E-03	0.0055
KPAC102	12	16	31	10	0.001	3.10E-03
KPAC102	16	20	18	6	6.00E-04	0.0018
KPAC102	20	24	17	5	5.00E-04	0.0017
KPAC102	24	28	17	7	7.00E-04	0.0017
KPAC102	28	32	18	5	5.00E-04	0.0018
KPAC102	32	36	16	4	4.00E-04	0.0016
KPAC102	36	39	14	2	2.00E-04	0.0014
KPAC103	0	4	38	111	0.0111	3.80E-03
KPAC103	4	8	80	116	0.0116	8.00E-03
KPAC103	8	12	73	93	0.0093	7.30E-03
KPAC103	12	16	21	35	3.50E-03	2.10E-03

KPAC103	16	20	13	20	2.00E-03	0.0013
KPAC103	20	24	9	9	9.00E-04	9.00E-04
KPAC103	24	28	10	12	1.20E-03	0.001
KPAC103	28	32	12	10	0.001	1.20E-03
KPAC103	32	36	10	9	9.00E-04	0.001
KPAC103	36	39	10	4	4.00E-04	0.001
KPAC104	0	4	35	158	1.58E-02	3.50E-03
KPAC104	4	8	41	95	9.50E-03	0.0041
KPAC104	8	12	53	112	0.0112	5.30E-03
KPAC104	12	16	77	224	2.24E-02	0.0077
KPAC104	16	20	229	560	5.60E-02	0.0229
KPAC104	20	24	180	1390	0.139	1.80E-02
KPAC104	24	28	136	1750	0.175	0.0136
KPAC104	28	32	25	903	9.03E-02	2.50E-03
KPAC104	32	36	25	1180	0.118	2.50E-03
KPAC104	36	40	19	1140	0.114	0.0019
KPAC104	40	44	20	759	7.59E-02	2.00E-03
KPAC104	44	48	34	1080	0.108	0.0034
KPAC105	0	4	19	303	3.03E-02	0.0019
KPAC105	4	8	11	536	5.36E-02	0.0011
KPAC105	8	12	25	826	8.26E-02	2.50E-03
KPAC105	12	16	5	420	4.20E-02	5.00E-04
KPAC105	16	20	20	575	5.75E-02	2.00E-03
KPAC105	20	24	53	716	7.16E-02	5.30E-03
KPAC105	24	28	101	918	9.18E-02	0.0101
KPAC105	28	32	65	562	5.62E-02	6.50E-03
KPAC105	32	36	63	258	2.58E-02	0.0063
KPAC105	36	40	48	268	2.68E-02	4.80E-03
KPAC105	40	44	15	336	3.36E-02	0.0015
KPAC105	44	48	43	1140	0.114	4.30E-03
KPAC105	48	52	10	849	8.49E-02	0.001
KPAC105	52	56	22	101	0.0101	0.0022
KPAC105	56	60	32	65	6.50E-03	3.20E-03
KPAC105	60	64	47	73	7.30E-03	4.70E-03
KPAC105	64	68	47	176	0.0176	4.70E-03
KPAC105	68	69	55	158	1.58E-02	0.0055
KPAC106	0	4	24	460	0.046	2.40E-03
KPAC106	4	8	26	419	4.19E-02	0.0026
KPAC106	8	12	11	525	5.25E-02	0.0011
KPAC106	12	16	12	902	0.0902	1.20E-03
KPAC106	16	20	21	561	0.0561	2.10E-03
KPAC106	20	24	22	423	4.23E-02	0.0022
KPAC106	24	28	16	595	5.95E-02	0.0016
KPAC106	28	32	22	728	7.28E-02	0.0022
KPAC106	32	36	16	468	4.68E-02	0.0016
KPAC106	36	38	21	441	4.41E-02	2.10E-03
KPAC107	0	4	22	355	3.55E-02	0.0022
KPAC107	4	8	10	589	5.89E-02	0.001
KPAC108	8	12	9	333	3.33E-02	9.00E-04
KPAC108	12	16	40	383	0.0383	4.00E-03
KPAC108	16	20	34	478	4.78E-02	0.0034
KPAC108	20	24	212	685	6.85E-02	2.12E-02
KPAC108	24	28	182	840	8.40E-02	1.82E-02
KPAC108	28	32	19	440	0.044	0.0019
KPAC108	32	36	15	345	3.45E-02	0.0015
KPAC108	36	40	7	289	2.89E-02	7.00E-04
KPAC108	40	44	29	736	7.36E-02	0.0029
KPAC108	44	45	111	1390	0.139	0.0111
KPAC108	45	46	74	7520	0.75199997	0.0074
KPAC108	46	50	4	3470	0.347	4.00E-04
KPAC108	50	51	13	955	0.0955	0.0013
KPAC108	0	4	49	454	4.54E-02	4.90E-03
KPAC108	4	8	36	455	4.55E-02	3.60E-03

KPAC108	8	12	32	659	6.59E-02	
KPAC108	12	16	138	694	6.94E-02	
KPAC108	16	18	51	337	0.0337	
KPAC108	18	20	51	345	3.45E-02	
KPAC108	20	24	55	374	0.0374	
KPAC108	24	28	67	519	5.19E-02	
KPAC108	28	32	30	508	5.08E-02	
KPAC108	32	36	10	388	3.88E-02	
KPAC108	36	40	15	512	5.12E-02	
KPAC108	40	44	15	464	4.64E-02	
KPAC108	44	48	26	652	6.52E-02	
KPAC108	48	52	92	1150	0.115	
KPAC108	52	56	107	1290	0.12899999	0.0107
KPAC108	56	59	233	1890	0.189	0.0233
KPAC109	0	4	60	232	0.0232	6.00E-03
KPAC109	4	8	20	240	0.024	2.00E-03
KPAC109	8	12	28	517	0.0517	2.80E-03
KPAC109	12	16	32	490	4.90E-02	3.20E-03
KPAC109	16	20	63	450	4.50E-02	0.0063
KPAC109	20	24	82	404	4.04E-02	0.0082
KPAC109	24	28	65	396	0.0396	6.50E-03
KPAC109	28	32	36	566	5.66E-02	3.60E-03
KPAC109	32	36	21	497	4.97E-02	2.10E-03
KPAC109	36	40	80	727	7.27E-02	8.00E-03
KPAC109	40	44	92	1040	0.104	9.20E-03
KPAC109	44	47	64	840	8.40E-02	6.40E-03
KPAC110	0	4	69	388	3.88E-02	6.90E-03
KPAC110	4	8	44	1110	0.111	0.0044
KPAC110	8	12	186	996	9.96E-02	0.0186
KPAC110	12	16	317	963	9.63E-02	0.0317
KPAC110	16	20	85	1170	0.117	8.50E-03
KPAC110	20	24	116	834	8.34E-02	0.0116
KPAC110	24	28	125	759	7.59E-02	0.0125
KPAC110	28	32	81	724	7.24E-02	8.10E-03
KPAC110	32	36	50	902	0.0902	5.00E-03
KPAC110	36	40	32	811	8.11E-02	3.20E-03
KPAC110	40	44	105	918	9.18E-02	0.0105
KPAC110	44	48	80	740	7.40E-02	8.00E-03
KPAC110	48	52	39	836	0.0836	3.90E-03
KPAC110	52	56	29	1000	0.1	0.0029
KPAC110	56	60	61	710	7.10E-02	6.10E-03
KPAC110	60	63	93	648	6.48E-02	0.0093
KPAC111	0	4	80	634	0.0634	8.00E-03
KPAC111	4	8	46	715	7.15E-02	4.60E-03
KPAC111	8	12	94	1090	0.109	9.40E-03
KPAC111	12	16	151	1090	0.109	0.0151
KPAC111	16	20	124	1380	0.138	0.0124
KPAC111	20	24	73	2110	0.211	7.30E-03
KPAC111	24	28	30	1190	0.119	0.003
KPAC111	28	32	49	1310	0.131	4.90E-03
KPAC111	32	36	49	751	7.51E-02	4.90E-03
KPAC111	36	40	72	925	9.25E-02	7.20E-03
KPAC111	40	44	125	894	8.94E-02	0.0125
KPAC111	44	45	65	694	6.94E-02	6.50E-03
KPAC112	0	4	71	440	0.044	0.0071
KPAC112	4	8	41	522	5.22E-02	0.0041
KPAC112	8	12	160	1060	0.106	1.60E-02
KPAC112	12	16	194	1820	0.182	1.94E-02
KPAC112	16	20	185	1310	0.131	0.0185
KPAC112	20	24	198	1330	0.133	0.0198
KPAC112	24	27	476	8590	0.85900003	4.76E-02
KPAC112	27	28	510	20900	2.0899999	5.10E-02
KPAC112	28	29	260	9110	0.91100001	2.60E-02

KPAC112	29	30	345	47100	4.71	3.45E-02
KPAC112	30	31	502	67200	6.7199998	0.0502
KPAC112	31	32	323	40300	4.0300002	3.23E-02
KPAC112	32	33	553	55800	5.5799999	5.53E-02
KPAC112	33	34	213	19500	1.95	2.13E-02
KPAC112	34	35	191	26600	2.6600001	1.91E-02
KPAC112	35	36	294	12600	1.26	0.0294
KPAC112	36	37	303	43100	4.3099999	3.03E-02
KPAC112	37	38	586	37300	3.73	5.86E-02
KPAC112	38	39	637	15400	1.54	6.37E-02
KPAC112	39	40	646	65300	6.5300002	6.46E-02
KPAC112	40	41	421	70900	7.0900002	4.21E-02
KPAC112	41	42	535	39700	3.97	0.0535
KPAC112	42	43	256	134000	13.4	2.56E-02
KPAC112	43	44	257	14900	1.49	2.57E-02
KPAC112	44	45	187	92800	9.2799997	0.0187
KPAC112	45	46	63	25900	2.5899999	0.0063
KPAC112	46	47	58	22100	2.21	5.80E-03
KPAC112	47	48	90	42800	4.2800002	9.00E-03
KPAC112	48	49	41	88100.008	8.8100004	0.0041
KPAC112	49	50	54	101000	10.1	5.40E-03
KPAC112	50	51	59	85000	8.5	5.90E-03
KPAC112	51	52	71	22700	2.27	0.0071
KPAC113	0	4	178	563	5.63E-02	0.0178
KPAC113	4	8	381	1360	0.13600001	0.0381
KPAC113	8	10	200	3070	0.30700001	0.02
KPAC113	10	11	341	21300	2.1300001	0.0341
KPAC113	11	12	248	36700	3.6700001	2.48E-02
KPAC113	12	13	494	25000	2.5	4.94E-02
KPAC113	13	14	535	15700	1.5700001	0.0535
KPAC113	14	15	283	10400	1.04	0.0283
KPAC113	15	16	521	10900	1.09	5.21E-02
KPAC113	16	17	956	25100	2.51	9.56E-02
KPAC113	17	18	681	17300	1.73	6.81E-02
KPAC114	0	4	73	524	0.0524	7.30E-03
KPAC114	4	8	564	1460	0.146	5.64E-02
KPAC114	8	12	771	2400	0.23999999	7.71E-02
KPAC114	12	14	1350	4570	0.45699999	0.13500001
KPAC114	14	15	1885	16800	1.6799999	0.1885
KPAC114	15	16	1075	29700	2.97	0.1075
KPAC114	16	20	1035	36700	3.6700001	0.1035
KPAC114	20	24	396	37600	3.76	0.0396
KPAC114	24	28	418	35400	3.54	0.0418
KPAC114	28	32	1400	27300	2.73	0.14
KPAC114	32	33	1685	21900	2.1900001	0.16850001
KPAC114	33	34	635	73600	7.3600001	6.35E-02
KPAC114	34	35	468	101000	10.1	4.68E-02
KPAC114	35	36	511	131000	13.1	5.11E-02
KPAC114	36	37	637	77800	7.7800002	6.37E-02
KPAC114	37	38	522	50600	5.0599999	5.22E-02
KPAC114	38	39	408	29400	2.9400001	4.08E-02
KPAC114	39	40	544	66200	6.6199999	5.44E-02
KPAC114	40	41	520	46800	4.6799998	5.20E-02
KPAC114	41	44	494	40800	4.0799999	4.94E-02
KPAC114	44	48	198	25500	2.55	0.0198
KPAC114	48	50	189	38800	3.8800001	0.0189
KPAC115	0	4	50	369	3.69E-02	5.00E-03
KPAC115	4	8	1575	1400	0.14	0.1575
KPAC115	8	12	1505	2560	0.25600001	0.1505
KPAC115	12	16	503	1560	0.156	5.03E-02
KPAC115	16	20	1510	3400	0.34	0.15099999
KPAC116	0	4	105	451	0.0451	0.0105
KPAC116	4	8	551	536	5.36E-02	5.51E-02

KPAC116	8	12	863	704	0.0704	8.63E-02
KPAC116	12	16	806	918	9.18E-02	8.06E-02
KPAC116	16	20	759	848	8.48E-02	7.59E-02
KPAC116	20	24	1800	1990	0.199	0.18000001
KPAC116	24	28	1835	1870	0.18700001	0.18350001
KPAC116	28	32	1830	3980	0.398	0.183
KPAC116	32	36	494	6300	0.63	4.94E-02
KPAC116	36	40	731	4070	0.40700001	7.31E-02
KPAC116	40	42	339	2610	0.26100001	0.0339
KPAC116	42	43	311	72700	7.27	3.11E-02
KPAC116	43	44	458	110500	11.05	0.0458
KPAC116	44	45	263	34100	3.4100001	0.0263
KPAC116	45	46	119	34700	3.47	0.0119
KPAC116	46	47	65	3540	0.354	6.50E-03
KPAC116	47	48	69	4140	0.414	6.90E-03
KPAC116	48	49	127	6280	0.62800002	0.0127
KPAC116	49	50	153	2660	0.266	0.0153
KPAC117	0	4	62	334	3.34E-02	6.20E-03
KPAC117	4	8	1385	899	8.99E-02	0.13850001
KPAC117	8	12	677	958	9.58E-02	6.77E-02
KPAC117	12	16	1020	1580	0.15800001	0.102
KPAC117	16	20	1110	1940	0.19400001	0.111
KPAC117	20	24	1340	1830	0.183	0.134
KPAC117	24	28	1365	2120	0.212	0.1365
KPAC117	28	32	2980	3390	0.33899999	0.29800001
KPAC117	32	36	770	2840	0.28400001	0.077
KPAC117	36	40	507	5680	0.56800002	5.07E-02
KPAC117	40	44	518	8160	0.81599998	5.18E-02
KPAC117	44	48	428	6720	0.67199999	4.28E-02
KPAC117	48	50	2240	2950	0.29499999	0.22400001
KPAC117	50	51	446	17400	1.74	4.46E-02
KPAC117	51	52	323	96800	9.6800003	3.23E-02
KPAC117	52	53	214	117000	11.7	2.14E-02
KPAC117	53	54	100	22600	2.26	1.00E-02
KPAC117	54	57	32	6110	0.611	3.20E-03
KPAC118	0	4	39	337	0.0337	3.90E-03
KPAC118	4	8	92	364	3.64E-02	9.20E-03
KPAC118	8	12	26	270	2.70E-02	0.0026
KPAC118	12	16	41	409	4.09E-02	0.0041
KPAC118	16	20	34	711	7.11E-02	0.0034
KPAC118	20	24	122	676	6.76E-02	0.0122
KPAC118	24	28	285	613	6.13E-02	0.0285
KPAC118	28	32	92	398	3.98E-02	9.20E-03
KPAC118	32	36	104	585	5.85E-02	0.0104
KPAC118	36	40	67	459	4.59E-02	6.70E-03
KPAC118	40	44	137	414	0.0414	0.0137
KPAC118	44	48	91	403	0.0403	9.10E-03
KPAC119	0	4	29	463	4.63E-02	0.0029
KPAC119	4	8	123	542	5.42E-02	0.0123
KPAC119	8	12	11	486	4.86E-02	0.0011
KPAC119	12	16	13	407	0.0407	0.0013
KPAC119	16	20	19	513	0.0513	0.0019
KPAC119	20	24	69	767	7.67E-02	6.90E-03
KPAC119	24	28	148	933	0.0933	0.0148
KPAC119	28	32	226	1280	0.12800001	2.26E-02
KPAC119	32	36	261	1570	0.15700001	0.0261
KPAC119	36	40	65	1240	0.124	6.50E-03
KPAC119	44	48	40	1280	0.12800001	4.00E-03
KPAC119	52	56	47	949	9.49E-02	4.70E-03
KPAC119	56	60	60	724	7.24E-02	6.00E-03
KPAC120	0	4	23	215	2.15E-02	2.30E-03
KPAC120	4	8	42	178	0.0178	4.20E-03
KPAC120	8	12	42	45	4.50E-03	4.20E-03

KPAC120	12	16	20	50	5.00E-03	2.00E-03
KPAC120	16	20	58	160	1.60E-02	5.80E-03
KPAC120	20	24	45	309	0.0309	4.50E-03
KPAC120	24	28	47	288	0.0288	4.70E-03
KPAC120	28	32	52	369	3.69E-02	0.0052
KPAC120	32	36	38	430	4.30E-02	3.80E-03
KPAC120	36	40	37	511	5.11E-02	0.0037
KPAC120	40	44	51	2460	0.24600001	5.10E-03
KPAC120	44	45	163	1520	0.152	0.0163
KPAC121	0	4	72	170	1.70E-02	7.20E-03
KPAC121	4	8	148	181	1.81E-02	0.0148
KPAC121	8	12	187	306	0.0306	0.0187
KPAC121	12	16	189	367	3.67E-02	0.0189
KPAC121	20	24	184	404	4.04E-02	0.0184
KPAC121	24	28	216	337	0.0337	2.16E-02
KPAC121	28	32	231	262	0.0262	0.0231
KPAC121	32	35	274	58	5.80E-03	0.0274
KPAC122	0	4	28	165	0.0165	2.80E-03
KPAC122	4	8	7	77	0.0077	7.00E-04
KPAC122	8	12	8	38	3.80E-03	8.00E-04
KPAC122	12	16	29	41	0.0041	0.0029
KPAC122	16	20	20	23	2.30E-03	2.00E-03
KPAC122	20	24	16	21	2.10E-03	0.0016
KPAC122	24	28	13	13	0.0013	0.0013
KPAC122	28	32	13	11	0.0011	0.0013
KPAC122	32	36	16	14	0.0014	0.0016
KPAC122	36	40	13	13	0.0013	0.0013
KPAC122	40	42	10	4	4.00E-04	0.001
KPAC122	42	44	14	40	4.00E-03	0.0014
KPAC123	0	4	22	169	1.69E-02	0.0022
KPAC123	4	8	42	106	0.0106	4.20E-03
KPAC123	8	12	19	42	4.20E-03	0.0019
KPAC123	12	16	31	50	5.00E-03	3.10E-03
KPAC123	16	20	42	72	7.20E-03	4.20E-03
KPAC123	20	24	39	127	0.0127	3.90E-03
KPAC123	24	28	64	213	2.13E-02	6.40E-03
KPAC123	28	30	149	578	5.78E-02	0.0149
KPAC123	30	32	78	834	8.34E-02	7.80E-03
KPAC123	32	36	27	757	0.0757	2.70E-03
KPAC123	36	40	35	1180	0.118	3.50E-03
KPAC123	40	44	31	866	8.66E-02	3.10E-03
KPAC123	44	45	64	765	7.65E-02	6.40E-03
KPAC124	0	4	26	241	0.0241	0.0026
KPAC124	4	8	16	348	0.0348	0.0016
KPAC124	8	12	17	497	4.97E-02	0.0017
KPAC124	12	16	20	198	0.0198	2.00E-03
KPAC124	16	20	9	130	0.013	9.00E-04
KPAC124	20	24	18	138	0.0138	0.0018
KPAC124	24	28	8	117	0.0117	8.00E-04
KPAC124	28	32	13	120	0.012	0.0013
KPAC124	32	36	9	106	0.0106	9.00E-04
KPAC124	36	40	63	176	0.0176	0.0063
KPAC124	40	44	27	242	0.0242	2.70E-03
KPAC124	44	48	146	674	6.74E-02	0.0146
KPAC124	48	50	15	196	0.0196	0.0015
KPAC125	0	4	61	411	4.11E-02	6.10E-03
KPAC125	4	8	259	1210	0.121	2.59E-02
KPAC125	8	12	9	433	4.33E-02	9.00E-04
KPAC125	12	16	13	277	0.0277	0.0013
KPAC125	16	20	26	374	0.0374	0.0026
KPAC125	20	24	30	338	3.38E-02	0.003
KPAC125	24	28	27	334	3.34E-02	2.70E-03
KPAC125	28	32	65	513	0.0513	6.50E-03

KPAC125	32	36	22	576	5.76E-02	0.0022
KPAC125	36	40	74	891	8.91E-02	0.0074
KPAC125	40	43	13	457	4.57E-02	0.0013
KPAC126	0	4	21	267	2.67E-02	2.10E-03
KPAC126	4	8	7	275	0.0275	7.00E-04
KPAC126	8	12	5	251	0.0251	5.00E-04
KPAC126	12	16	3	428	4.28E-02	3.00E-04
KPAC126	16	20	6	384	3.84E-02	6.00E-04
KPAC126	20	24	13	263	0.0263	0.0013
KPAC126	24	28	11	200	0.02	0.0011
KPAC126	28	32	29	392	0.0392	0.0029
KPAC126	32	36	9	332	3.32E-02	9.00E-04
KPAC126	36	40	16	256	2.56E-02	0.0016
KPAC126	40	44	136	584	5.84E-02	0.0136
KPAC126	44	48	78	598	5.98E-02	7.80E-03
KPAC127	0	4	39	357	3.57E-02	3.90E-03
KPAC127	4	8	19	262	0.0262	0.0019
KPAC127	8	12	31	376	3.76E-02	3.10E-03
KPAC127	12	16	53	366	3.66E-02	5.30E-03
KPAC127	16	20	61	523	5.23E-02	6.10E-03
KPAC127	20	24	73	445	4.45E-02	7.30E-03
KPAC127	24	26	29	207	0.0207	0.0029
KPAC128	0	4	16	227	2.27E-02	0.0016
KPAC128	4	8	15	238	2.38E-02	0.0015
KPAC128	8	12	17	245	2.45E-02	0.0017
KPAC128	12	16	32	505	5.05E-02	3.20E-03
KPAC128	16	20	42	347	3.47E-02	4.20E-03
KPAC128	20	24	38	321	3.21E-02	3.80E-03
KPAC128	24	28	26	383	0.0383	0.0026
KPAC128	28	32	36	400	4.00E-02	3.60E-03
KPAC128	32	36	52	519	5.19E-02	0.0052
KPAC129	0	4	17	239	0.0239	0.0017
KPAC129	4	8	29	339	0.0339	0.0029
KPAC129	8	12	26	968	9.68E-02	0.0026
KPAC129	12	16	51	1250	0.125	5.10E-03
KPAC129	16	20	64	1200	0.12	6.40E-03
KPAC129	20	24	44	1140	0.114	0.0044
KPAC129	24	28	43	968	9.68E-02	4.30E-03
KPAC129	28	32	57	1370	0.13699999	5.70E-03
KPAC129	32	36	42	832	0.0832	4.20E-03
KPAC129	36	40	52	581	0.0581	0.0052
KPAC129	40	42	40	444	4.44E-02	4.00E-03
KPAC129	42	46	45	498	4.98E-02	4.50E-03
KPAC129	46	50	35	569	5.69E-02	3.50E-03
KPAC129	50	54	28	838	8.38E-02	2.80E-03
KPAC129	54	58	28	803	8.03E-02	2.80E-03
KPAC129	58	60	41	1140	0.114	0.0041
KPAC129	60	64	29	1040	0.104	0.0029
KPAC129	64	65	38	846	8.46E-02	3.80E-03
KPAC130	0	4	15	264	0.0264	0.0015
KPAC130	4	8	46	351	3.51E-02	4.60E-03
KPAC130	8	12	27	332	3.32E-02	2.70E-03
KPAC130	12	16	83	812	8.12E-02	8.30E-03
KPAC130	16	20	148	824	8.24E-02	0.0148
KPAC130	20	24	141	1470	0.147	0.0141
KPAC130	24	28	105	1610	0.161	0.0105
KPAC130	28	32	43	773	7.73E-02	4.30E-03
KPAC130	32	36	55	789	7.89E-02	0.0055
KPAC130	36	40	43	602	6.02E-02	4.30E-03
KPAC130	40	42	31	767	7.67E-02	3.10E-03
KPAC130	42	46	52	655	6.55E-02	0.0052
KPAC130	46	50	61	762	7.62E-02	6.10E-03
KPAC130	50	54	90	929	9.29E-02	9.00E-03

KPAC130	54	56	45	723	7.23E-02	4.50E-03
KPAC130	56	58	21	577	5.77E-02	2.10E-03
KPAC130	58	62	25	512	5.12E-02	2.50E-03
KPAC130	62	64	20	532	5.32E-02	2.00E-03
KPAC130	64	68	21	554	5.54E-02	2.10E-03
KPAC130	68	72	24	607	6.07E-02	2.40E-03
KPAC130	72	76	18	619	6.19E-02	0.0018
KPAC131	0	4	33	314	3.14E-02	0.0033
KPAC131	4	8	386	841	8.41E-02	3.86E-02
KPAC131	8	12	777	1790	0.17900001	7.77E-02
KPAC131	12	16	431	1280	0.12800001	4.31E-02
KPAC131	16	20	233	1020	0.102	0.0233
KPAC131	20	24	260	2050	0.205	2.60E-02
KPAC131	24	28	381	3130	0.31299999	0.0381
KPAC131	28	32	342	2880	0.28799999	3.42E-02
KPAC131	32	36	846	3180	0.31799999	8.46E-02
KPAC131	36	40	590	2080	0.208	0.059
KPAC131	40	43	326	2290	0.229	3.26E-02
KPAC131	43	48	161	2060	0.206	1.61E-02
KPAC131	48	49	211	2550	0.255	0.0211
KPAC131	49	53	-1	8	8.00E-04	-1.00E-04
KPAC131	53	57	99	3620	0.36199999	9.90E-03
KPAC131	57	61	61	1320	0.132	6.10E-03
KPAC132	0	4	51	464	4.64E-02	5.10E-03
KPAC132	4	8	520	1110	0.111	5.20E-02
KPAC132	8	12	175	1760	0.176	0.0175
KPAC132	12	16	276	2380	0.23800001	0.0276
KPAC132	16	17	247	10700	1.0700001	2.47E-02
KPAC132	17	18	235	26200	2.6199999	2.35E-02
KPAC132	18	19	344	26800	2.6800001	3.44E-02
KPAC132	19	20	525	12700	1.27	5.25E-02
KPAC132	20	21	354	19600	1.96	3.54E-02
KPAC132	21	22	279	34100	3.4100001	2.79E-02
KPAC132	22	24	336	25600	2.5599999	3.36E-02
KPAC132	24	25	358	45100	4.5100002	3.58E-02
KPAC132	25	26	378	73400	7.3400002	3.78E-02
KPAC132	26	30	217	17400	1.74	0.0217
KPAC132	30	31	91	15900	1.59	9.10E-03
KPAC132	31	32	130	26300	2.6300001	0.013
KPAC132	32	33	80	4050	0.405	8.00E-03
KPAC132	33	34	158	31100	3.1099999	1.58E-02
KPAC132	34	35	315	15300	1.53	3.15E-02
KPAC132	35	36	437	19700	1.97	4.37E-02
KPAC132	36	37	308	12100	1.21	0.0308
KPAC132	37	38	210	32700	3.27	0.021
KPAC132	38	39	207	27800	2.78	0.0207
KPAC132	39	40	209	22100	2.21	0.0209
KPAC132	40	44	199	7270	0.727	0.0199
KPAC132	44	45	125	17700	1.77	0.0125
KPAC132	45	46	107	88200	8.8199997	0.0107
KPAC132	46	50	122	19400	1.9400001	0.0122
KPAC132	50	51	109	58500	5.8499999	0.0109
KPAC132	51	52	73	41500	4.1500001	7.30E-03
KPAC132	52	53	118	20000	2	0.0118
KPAC132	53	54	95	17200	1.72	9.50E-03
KPAC132	54	55	37	57400	5.7399998	0.0037
KPAC132	55	56	63	40000	4	0.0063
KPAC132	56	57	40	53200	5.3200002	4.00E-03
KPAC132	57	58	36	38400	3.8399999	3.60E-03
KPAC132	58	59	42	43600	4.3600001	4.20E-03
KPAC133	0	4	81	521	5.21E-02	8.10E-03
KPAC133	4	8	1120	1210	0.121	0.112
KPAC133	8	12	533	1100	0.11	5.33E-02

KPAC133	12	16	514	1780	0.178	5.14E-02
KPAC133	16	20	459	2010	0.20100001	4.59E-02
KPAC133	20	24	784	2050	0.205	7.84E-02
KPAC133	24	28	571	1720	0.17200001	5.71E-02
KPAC133	28	32	441	1170	0.117	4.41E-02
KPAC133	32	36	650	2370	0.237	6.50E-02
KPAC133	36	40	461	4800	0.47999999	4.61E-02
KPAC133	40	41	275	5230	0.523	0.0275
KPAC133	41	42	334	11400	1.14	3.34E-02
KPAC133	42	43	403	23000	2.3	0.0403
KPAC133	43	44	381	14900	1.49	0.0381
KPAC133	44	45	392	27900	2.79	0.0392
KPAC133	45	46	318	15000	1.5	3.18E-02
KPAC133	46	47	31	867	0.0867	3.10E-03
KPAC133	47	48	155	15300	1.53	0.0155
KPAC133	48	52	56	2570	0.257	5.60E-03
KPAC133	52	55	46	1870	0.18700001	4.60E-03
KPAC134	0	4	94	432	4.32E-02	9.40E-03
KPAC134	4	8	686	797	7.97E-02	6.86E-02
KPAC134	8	12	624	1860	0.186	6.24E-02
KPAC134	12	13	604	2070	0.207	6.04E-02
KPAC134	13	14	1245	6540	0.65399998	0.1245
KPAC134	14	15	2430	6020	0.602	0.243
KPAC134	15	16	505	2160	0.21600001	5.05E-02
KPAC134	16	20	719	2670	0.26699999	7.19E-02
KPAC134	20	24	669	2540	0.25400001	0.0669
KPAC134	24	26	667	6430	0.64300001	6.67E-02
KPAC134	26	27	974	10900	1.09	9.74E-02
KPAC134	27	28	438	10400	1.04	0.0438
KPAC134	28	29	434	11100	1.11	4.34E-02
KPAC134	29	30	504	6250	0.625	0.0504
KPAC134	30	31	413	2720	0.27200001	4.13E-02
KPAC134	31	32	341	5310	0.53100002	0.0341
KPAC134	32	33	430	5600	0.56	4.30E-02
KPAC134	33	34	651	26400	2.6400001	6.51E-02
KPAC134	34	35	838	33000	3.3	8.38E-02
KPAC134	35	36	643	11300	1.13	6.43E-02
KPAC134	36	37	679	8190	0.81900001	6.79E-02
KPAC134	37	38	389	14600	1.46	3.89E-02
KPAC134	38	39	193	5910	0.59100002	1.93E-02
KPAC134	39	40	137	7120	0.71200001	0.0137
KPAC134	40	42	187	6770	0.67699999	0.0187
KPAC134	42	46	165	4520	0.45199999	0.0165
KPAC134	46	49	211	3330	0.333	0.0211
KPAC134	49	51	123	3860	0.38600001	0.0123
KPAC135	0	4	158	462	0.0462	1.58E-02
KPAC135	4	8	1280	997	9.97E-02	0.12800001
KPAC135	8	12	615	837	8.37E-02	6.15E-02
KPAC135	12	16	1575	1820	0.182	0.1575
KPAC135	16	17	1720	2700	0.27000001	0.17200001
KPAC135	17	18	882	47700	4.77	8.82E-02
KPAC135	18	19	819	7180	0.71799999	8.19E-02
KPAC135	19	20	769	8520	0.852	7.69E-02
KPAC135	20	21	618	6230	0.62300003	6.18E-02
KPAC135	21	22	949	7460	0.74599999	9.49E-02
KPAC135	22	23	888	6910	0.69099998	8.88E-02
KPAC135	23	24	674	58400	5.8400002	6.74E-02
KPAC135	24	25	569	73500	7.3499999	5.69E-02
KPAC135	25	26	434	13100	1.3099999	4.34E-02
KPAC135	26	27	678	13300	1.33	0.0678
KPAC135	27	28	510	23500	2.3499999	5.10E-02
KPAC135	28	29	1505	101500	10.15	0.1505
KPAC135	29	30	1360	98500	9.8500004	0.13600001

KPAC135	30	31	1275	110500	11.05	0.1275
KPAC135	31	32	1645	127000	12.7	0.1645
KPAC135	32	33	600	59500	5.9499998	6.00E-02
KPAC135	33	37	644	27300	2.73	6.44E-02
KPAC135	37	39	128	83900	8.3900003	0.0128
KPAC135	40	41	74	86500	8.6499996	0.0074
KPAC135	39	40	78	87100	8.71	7.80E-03
KPAC135	41	42	1130	173000	17.299999	0.113
KPAC135	42	43	311	170500	17.049999	3.11E-02
KPAC135	43	44	161	135500	13.55	1.61E-02
KPAC135	44	45	266	125000	12.5	0.0266
KPAC135	45	46	252	58800	5.8800001	0.0252
KPAC135	46	47	195	45800	4.5799999	0.0195
KPAC135	47	48	228	27900	2.79	0.0228
KPAC135	48	49	112	9770	0.977	0.0112
KPAC135	49	50	338	20500	2.05	3.38E-02
KPAC135	50	51	246	19500	1.95	2.46E-02
KPAC136	0	4	70	495	0.0495	7.00E-03
KPAC136	4	8	1525	1200	0.12	0.1525
KPAC136	8	12	308	574	5.74E-02	0.0308
KPAC136	12	16	1390	1585	0.1585	0.139
KPAC136	16	20	1175	1090	0.109	0.1175
KPAC136	20	24	1295	957	9.57E-02	0.1295
KPAC136	24	28	2130	2230	0.223	0.213
KPAC136	28	32	5520	7520	0.75199997	0.55199999
KPAC136	32	36	827	5220	0.52200001	8.27E-02
KPAC136	36	40	1190	12200	1.22	0.119
KPAC136	40	42	869	21000	2.0999999	8.69E-02
KPAC136	42	43	723	9080	0.90799999	7.23E-02
KPAC136	43	44	736	10700	1.0700001	7.36E-02
KPAC136	44	45	671	20700	2.0699999	6.71E-02
KPAC137	0	4	97	626	6.26E-02	9.70E-03
KPAC137	4	8	342	717	7.17E-02	3.42E-02
KPAC137	10	14	344	1155	0.1155	3.44E-02
KPAC138	0	4	80	400	4.00E-02	8.00E-03
KPAC138	4	8	470	540	5.40E-02	4.70E-02
KPAC138	8	12	340	560	5.60E-02	3.40E-02
KPAC138	12	16	290	880	0.088	2.90E-02
KPAC138	16	20	550	1410	0.141	0.055
KPAC138	20	24	380	4000	0.40000001	3.80E-02
KPAC138	24	28	30	1770	0.177	0.003
KPAC138	28	32	30	630	6.30E-02	0.003
KPAC138	32	36	130	1140	0.114	0.013
KPAC138	36	38	50	300	3.00E-02	5.00E-03
KPAC139	0	4	60	410	4.10E-02	6.00E-03
KPAC139	4	8	730	820	8.20E-02	7.30E-02
KPAC139	8	12	620	1090	0.109	6.20E-02
KPAC139	12	16	880	1600	0.16	0.088
KPAC139	16	20	1130	1750	0.175	0.113
KPAC139	20	24	1370	2220	0.222	0.13699999
KPAC139	24	28	190	2910	0.29100001	1.90E-02
KPAC139	28	32	70	4460	0.44600001	7.00E-03
KPAC139	32	36	30	2490	0.249	0.003
KPAC139	36	40	110	3210	0.32100001	0.011
KPAC139	40	44	150	4610	0.461	0.015
KPAC139	44	48	30	1700	0.17	0.003
KPAC139	48	51	20	1030	0.103	2.00E-03
KPAC139	51	53	20	800	8.00E-02	2.00E-03
KPAC140	0	4	60	410	4.10E-02	6.00E-03
KPAC140	4	8	1300	1140	0.114	0.13
KPAC140	8	12	230	770	0.077	0.023
KPAC140	12	16	180	1260	0.126	1.80E-02
KPAC140	16	20	130	1470	0.147	0.013

KPAC140	20	24	110	1180	0.118	0.011
KPAC140	24	28	140	920	0.092	0.014
KPAC140	28	32	160	1320	0.132	1.60E-02
KPAC140	32	36	170	1220	0.122	1.70E-02
KPAC140	36	40	80	890	8.90E-02	8.00E-03
KPAC141	0	4	60	330	0.033	6.00E-03
KPAC141	4	8	150	240	0.024	0.015
KPAC141	8	12	100	160	1.60E-02	1.00E-02
KPAC141	12	16	10	350	0.035	0.001
KPAC141	16	18	10	420	4.20E-02	0.001
KPAC142	0	4	40	270	2.70E-02	4.00E-03
KPAC142	4	8	140	200	0.02	0.014
KPAC142	8	12	50	60	6.00E-03	5.00E-03
KPAC143	0	4	40	210	0.021	4.00E-03
KPAC143	4	8	30	110	0.011	0.003
KPAC143	8	12	20	30	0.003	2.00E-03
KPAC143	12	15	20	30	0.003	2.00E-03
KPAC143	15	18	10	50	5.00E-03	0.001
KPAC143	18	21	10	40	4.00E-03	0.001
KPAC144	0	4	10	240	0.024	0.001
KPAC144	4	8	10	120	0.012	0.001
KPAC144	8	12	20	90	9.00E-03	2.00E-03
KPAC144	12	16	10	-10	-0.001	0.001
KPAC144	16	18	30	70	7.00E-03	0.003
KPAC144	18	21	20	90	9.00E-03	2.00E-03
KPAC145	0	4	20	300	3.00E-02	2.00E-03
KPAC145	4	8	20	280	2.80E-02	2.00E-03
KPAC145	8	12	10	310	3.10E-02	0.001
KPAC145	12	16	30	220	0.022	0.003
KPAC145	16	20	20	190	1.90E-02	2.00E-03
KPAC145	20	24	30	230	0.023	0.003
KPAC145	24	28	20	170	1.70E-02	2.00E-03
KPAC145	28	32	20	660	0.066	2.00E-03
KPAC145	32	36	30	720	7.20E-02	0.003
KPAC145	36	40	140	420	4.20E-02	0.014
KPAC145	40	44	360	880	0.088	3.60E-02
KPAC145	44	48	20	11900	1.1900001	2.00E-03
KPAC145	48	52	30	2150	0.215	0.003
KPAC145	52	55	40	830	8.30E-02	4.00E-03
KPAC145	55	58	50	690	6.90E-02	5.00E-03
KPAC146	0	4	20	410	4.10E-02	2.00E-03
KPAC146	4	8	10	270	2.70E-02	0.001
KPAC146	8	12	10	190	1.90E-02	0.001
KPAC146	12	16	20	190	1.90E-02	2.00E-03
KPAC146	16	20	20	200	0.02	2.00E-03
KPAC146	20	24	20	150	0.015	2.00E-03
KPAC146	24	28	-10	130	0.013	-0.001
KPAC146	28	32	10	120	0.012	0.001
KPAC146	32	36	10	100	1.00E-02	0.001
KPAC146	36	40	10	70	7.00E-03	0.001
KPAC146	40	44	40	90	9.00E-03	4.00E-03
KPAC146	44	48	30	250	0.025	0.003
KPAC146	48	52	60	420	4.20E-02	6.00E-03
KPAC146	52	55	20	1300	0.13	2.00E-03
KPAC146	55	57	50	2810	0.28099999	5.00E-03
KPAC147	0	4	30	280	2.80E-02	0.003
KPAC147	4	8	20	340	3.40E-02	2.00E-03
KPAC147	8	12	30	310	3.10E-02	0.003
KPAC147	12	16	30	210	0.021	0.003
KPAC147	16	20	40	380	3.80E-02	4.00E-03
KPAC147	20	24	60	250	0.025	6.00E-03
KPAC147	24	28	40	210	0.021	4.00E-03
KPAC147	28	32	60	320	3.20E-02	6.00E-03

KPAC147	32	36	80	340	3.40E-02	8.00E-03
KPAC147	36	39	150	280	2.80E-02	0.015
KPAC147	39	41	150	300	3.00E-02	0.015
KPAC148	0	4	10	270	2.70E-02	0.001
KPAC148	4	8	30	260	2.60E-02	0.003
KPAC148	8	12	30	360	3.60E-02	0.003
KPAC148	12	16	20	130	0.013	2.00E-03
KPAC148	16	20	30	170	1.70E-02	0.003
KPAC148	20	24	30	290	2.90E-02	0.003
KPAC148	24	28	90	390	3.90E-02	9.00E-03
KPAC148	28	32	60	400	4.00E-02	6.00E-03
KPAC148	32	36	60	360	3.60E-02	6.00E-03
KPAC148	36	40	30	440	0.044	0.003
KPAC148	40	44	90	750	7.50E-02	9.00E-03
KPAC148	44	48	70	900	9.00E-02	7.00E-03
KPAC148	48	52	40	830	8.30E-02	4.00E-03
KPAC148	52	56	30	690	6.90E-02	0.003
KPAC148	56	60	30	380	3.80E-02	0.003
KPAC148	60	64	30	620	6.20E-02	0.003
KPAC148	64	68	30	690	6.90E-02	0.003
KPAC148	68	72	60	1150	0.115	6.00E-03
KPAC149	0	4	20	290	2.90E-02	2.00E-03
KPAC149	4	8	20	310	3.10E-02	2.00E-03
KPAC149	8	12	10	520	5.20E-02	0.001
KPAC149	12	16	10	560	5.60E-02	0.001
KPAC149	16	20	10	690	6.90E-02	0.001
KPAC149	20	24	50	530	5.30E-02	5.00E-03
KPAC149	24	28	550	2370	0.237	0.055
KPAC149	28	32	270	1270	0.127	2.70E-02
KPAC149	32	36	240	1690	0.169	0.024
KPAC149	36	39	170	2550	0.255	1.70E-02
KPAC149	39	42	190	3210	0.32100001	1.90E-02
KPAC150	1	5	40	690	6.90E-02	4.00E-03
KPAC150	5	9	40	380	3.80E-02	4.00E-03
KPAC150	9	13	40	510	5.10E-02	4.00E-03
KPAC150	13	17	170	1880	0.18799999	1.70E-02
KPAC150	17	21	340	2180	0.21799999	3.40E-02
KPAC150	21	24	280	1660	0.16599999	2.80E-02
KPAC150	24	27	340	2100	0.20999999	3.40E-02
KPAC150	27	29	430	3090	0.30899999	4.30E-02
KPAC150	29	30	450	3210	0.32100001	4.50E-02
KPAC150	30	31	440	4860	0.486	0.044
KPAC150	31	32	390	7200	0.72000003	3.90E-02
KPAC150	32	33	330	9960	0.99599999	0.033
KPAC150	33	34	180	7050	0.70499998	1.80E-02
KPAC150	34	35	160	8570	0.85699999	1.60E-02
KPAC150	35	36	160	7350	0.73500001	1.60E-02
KPAC150	36	37	100	5070	0.50700003	1.00E-02
KPAC150	37	38	70	5870	0.58700001	7.00E-03
KPAC150	38	39	50	6850	0.685	5.00E-03
KPAC150	39	40	40	29800	2.98	4.00E-03
KPAC150	40	41	50	19600	1.96	5.00E-03
KPAC151	0	4	40	390	3.90E-02	4.00E-03
KPAC151	4	8	40	340	3.40E-02	4.00E-03
KPAC151	8	12	60	350	0.035	6.00E-03
KPAC151	12	16	250	610	6.10E-02	0.025
KPAC151	16	20	520	640	6.40E-02	5.20E-02
KPAC151	20	24	1000	1200	0.12	0.1
KPAC151	24	28	780	1340	0.134	7.80E-02
KPAC151	28	32	770	1560	0.156	0.077
KPAC151	32	36	290	980	9.80E-02	2.90E-02
KPAC151	36	40	530	1960	0.19599999	5.30E-02
KPAC151	40	44	210	1610	0.161	0.021

KPAC151	44	48	80	2500	0.25	8.00E-03
KPAC152	0	4	50	520	5.20E-02	5.00E-03
KPAC152	4	8	70	450	4.50E-02	7.00E-03
KPAC152	8	12	440	910	9.10E-02	0.044
KPAC152	12	16	800	1500	0.15000001	8.00E-02
KPAC152	16	20	770	2150	0.215	0.077
KPAC152	20	24	1650	2000	0.2	0.16500001
KPAC152	24	28	1990	2090	0.20900001	0.199
KPAC152	28	32	1870	2410	0.241	0.18700001
KPAC152	32	36	2110	3530	0.35299999	0.211
KPAC152	36	40	330	1350	0.13500001	0.033
KPAC152	40	44	140	2460	0.24600001	0.014
KPAC152	44	48	130	830	8.30E-02	0.013
KPAC152	48	52	170	750	7.50E-02	1.70E-02
KPAC152	52	56	230	800	8.00E-02	0.023
KPAC152	56	59	70	340	3.40E-02	7.00E-03
KPAC153	0	4	50	490	4.90E-02	5.00E-03
KPAC153	4	8	260	950	9.50E-02	2.60E-02
KPAC153	8	12	510	1680	0.168	5.10E-02
KPAC153	12	15	190	770	0.077	1.90E-02
KPAC153	15	18	290	13600	1.36	2.90E-02
KPAC153	18	19	170	42000	4.1999998	1.70E-02
KPAC153	19	20	240	15500	1.55	0.024
KPAC153	20	21	1170	47400	4.7399998	0.117
KPAC153	21	22	360	77400	7.7399998	3.60E-02
KPAC153	22	23	160	13800	1.38	1.60E-02
KPAC153	23	24	70	70900	7.0900002	7.00E-03
KPAC153	24	25	50	57800	5.7800002	5.00E-03
KPAC153	25	26	30	99300	9.9300003	0.003
KPAC153	26	27	40	98100	9.8100004	4.00E-03
KPAC153	27	28	40	147500	14.75	4.00E-03
KPAC153	28	29	30	219000	21.9	0.003
KPAC153	29	30	40	135500	13.55	4.00E-03
KPAC153	30	31	30	110000	11	0.003
KPAC153	31	32	20	137500	13.75	2.00E-03
KPAC153	32	33	30	265000	26.5	0.003
KPAC153	33	34	40	139000	13.9	4.00E-03
KPAC153	34	35	40	137000	13.7	4.00E-03
KPAC153	35	36	30	137000	13.7	0.003
KPAC153	36	37	30	67000	6.6999998	0.003
KPAC153	37	38	20	91700	9.1700001	2.00E-03
KPAC153	38	39	20	174500	17.450001	2.00E-03
KPAC153	39	40	40	94500	9.4499998	4.00E-03
KPAC153	40	41	40	135500	13.55	4.00E-03
KPAC153	41	42	50	84100	8.4099998	5.00E-03
KPAC153	42	43	60	69200	6.9200001	6.00E-03
KPAC153	43	44	50	51900	5.1900001	5.00E-03
KPAC153	44	45	40	37800	3.78	4.00E-03
KPAC153	45	46	40	10100	1.01	4.00E-03
KPAC153	46	47	60	2520	0.252	6.00E-03
KPAC154	0	4	50	690	6.90E-02	5.00E-03
KPAC154	4	8	340	1100	0.11	3.40E-02
KPAC154	8	11	280	1360	0.13600001	2.80E-02
KPAC154	11	14	1180	6170	0.61699998	0.118
KPAC154	14	15	450	3320	0.33199999	4.50E-02
KPAC154	15	16	150	38900	3.8900001	0.015
KPAC154	16	17	170	39000	3.9000001	1.70E-02
KPAC154	17	18	440	59600	5.96	0.044
KPAC154	18	19	350	148000	14.8	0.035
KPAC154	19	20	350	76800	7.6799998	0.035
KPAC154	20	21	380	95300	9.5299997	3.80E-02
KPAC154	21	22	100	161000	16.1	1.00E-02
KPAC154	22	23	90	272000	27.200001	9.00E-03

KPAC154	23	24	90	308400	30.84	9.00E-03
KPAC154	24	25	60	178000	17.799999	6.00E-03
KPAC154	25	26	90	226000	22.6	9.00E-03
KPAC154	26	27	100	148500	14.85	1.00E-02
KPAC154	27	28	70	98400	9.8400002	7.00E-03
KPAC154	28	29	70	181000	18.1	7.00E-03
KPAC154	29	30	50	148000	14.8	5.00E-03
KPAC154	30	31	30	89600	8.96	0.003
KPAC154	31	32	40	139000	13.9	4.00E-03
KPAC154	32	33	40	212000	21.200001	4.00E-03
KPAC154	33	34	40	241000	24.1	4.00E-03
KPAC154	34	35	40	117000	11.7	4.00E-03
KPAC154	35	36	60	137500	13.75	6.00E-03
KPAC154	36	37	80	218000	21.799999	8.00E-03
KPAC154	37	38	80	170000	17	8.00E-03
KPAC154	38	39	80	110500	11.05	8.00E-03
KPAC154	39	40	50	45600	4.5599999	5.00E-03
KPAC154	40	41	40	28200	2.8199999	4.00E-03
KPAC155	0	4	50	910	9.10E-02	5.00E-03
KPAC155	4	7	290	880	0.088	2.90E-02
KPAC155	7	10	810	3940	0.39399999	0.081
KPAC155	10	11	320	112500	11.25	3.20E-02
KPAC155	11	12	210	217000	21.700001	0.021
KPAC155	12	13	400	63300	6.3299999	4.00E-02
KPAC155	13	14	290	24900	2.49	2.90E-02
KPAC155	14	15	160	143500	14.35	1.60E-02
KPAC155	15	16	220	117500	11.75	0.022
KPAC155	16	17	180	127000	12.7	1.80E-02
KPAC155	17	18	130	198000	19.799999	0.013
KPAC155	18	19	120	290000	29	0.012
KPAC155	19	20	120	200000	20	0.012
KPAC155	20	21	120	70200	7.02	0.012
KPAC155	21	22	200	147000	14.7	0.02
KPAC155	22	23	170	103000	10.3	1.70E-02
KPAC155	23	24	240	141000	14.1	0.024
KPAC155	24	25	130	196000	19.6	0.013
KPAC155	25	26	100	166500	16.65	1.00E-02
KPAC155	26	27	90	155000	15.5	9.00E-03
KPAC155	27	28	90	164000	16.4	9.00E-03
KPAC155	28	29	80	181000	18.1	8.00E-03
KPAC155	29	30	100	144000	14.4	1.00E-02
KPAC155	30	31	90	134000	13.4	9.00E-03
KPAC155	31	32	90	108500	10.85	9.00E-03
KPAC155	32	33	80	240000	24	8.00E-03
KPAC155	33	34	80	178000	17.799999	8.00E-03
KPAC155	34	35	100	151000	15.1	1.00E-02
KPAC155	35	36	120	177500	17.75	0.012
KPAC155	36	37	110	185500	18.549999	0.011
KPAC155	37	38	170	159000	15.9	1.70E-02
KPAC155	38	39	100	167000	16.700001	1.00E-02
KPAC155	39	40	90	114500	11.45	9.00E-03
KPAC155	40	41	110	92400	9.2399998	0.011
KPAC155	41	42	100	83700	8.3699999	1.00E-02
KPAC155	42	43	90	90900	9.0900002	9.00E-03
KPAC155	43	44	140	47200	4.7199998	0.014
KPAC155	44	45	120	39000	3.9000001	0.012
KPAC156	0	4	60	960	9.60E-02	6.00E-03
KPAC156	4	8	520	1070	0.107	5.20E-02
KPAC156	8	11	170	890	8.90E-02	1.70E-02
KPAC156	11	12	50	23100	2.3099999	5.00E-03
KPAC156	12	13	180	18700	1.87	1.80E-02
KPAC156	13	14	480	19000	1.9	0.048
KPAC156	14	15	260	10000	1	2.60E-02

KPAC156	15	16	90	57200	5.7199998	9.00E-03
KPAC156	16	17	120	32200	3.22	0.012
KPAC157	0	4	60	700	0.07	6.00E-03
KPAC157	4	8	440	870	8.70E-02	0.044
KPAC157	8	11	130	550	0.055	0.013
KPAC158	0	4	110	520	5.20E-02	0.011
KPAC158	4	8	1250	1000	0.1	0.125
KPAC158	8	12	490	580	5.80E-02	4.90E-02
KPAC158	12	16	80	230	0.023	8.00E-03
KPAC158	16	20	60	250	0.025	6.00E-03
KPAC158	20	24	90	420	4.20E-02	9.00E-03
KPAC158	24	28	40	2370	0.237	4.00E-03
KPAC158	28	32	140	2290	0.229	0.014
KPAC158	32	35	180	2020	0.20200001	1.80E-02
KPAC159	0	4	70	640	6.40E-02	7.00E-03
KPAC159	4	8	840	740	7.40E-02	8.40E-02
KPAC159	8	12	240	500	5.00E-02	0.024
KPAC159	12	16	840	940	9.40E-02	8.40E-02
KPAC159	16	20	310	700	0.07	3.10E-02
KPAC159	20	24	160	1630	0.163	1.60E-02
KPAC159	24	28	40	630	6.30E-02	4.00E-03
KPAC159	28	32	50	680	6.80E-02	5.00E-03
KPAC159	32	36	90	530	5.30E-02	9.00E-03
KPAC159	36	39	120	1340	0.134	0.012
KPAC160	0	4	60	620	6.20E-02	6.00E-03
KPAC160	4	8	1470	1300	0.13	0.147
KPAC160	8	12	230	590	0.059	0.023
KPAC160	12	16	140	610	6.10E-02	0.014
KPAC160	16	20	30	1080	0.108	0.003
KPAC160	20	24	20	740	7.40E-02	2.00E-03
KPAC160	24	28	100	2270	0.227	1.00E-02
KPAC160	28	32	80	1680	0.168	8.00E-03
KPAC160	32	36	40	800	8.00E-02	4.00E-03
KPAC160	36	40	20	160	1.60E-02	2.00E-03
KPAC160	40	44	10	110	0.011	0.001
KPAC160	44	47	20	40	4.00E-03	2.00E-03
KPAC160	47	50	10	30	0.003	0.001
KPAC161	0	4	70	450	4.50E-02	7.00E-03
KPAC161	4	8	270	680	6.80E-02	2.70E-02
KPAC161	8	12	70	490	4.90E-02	7.00E-03
KPAC161	12	16	100	400	4.00E-02	1.00E-02
KPAC161	16	20	450	1240	0.124	4.50E-02
KPAC161	20	24	240	1110	0.111	0.024
KPAC161	24	28	280	2610	0.26100001	2.80E-02
KPAC161	28	32	130	3300	0.33000001	0.013
KPAC161	32	36	100	2870	0.287	1.00E-02
KPAC161	36	40	90	1350	0.13500001	9.00E-03
KPAC161	40	44	60	980	9.80E-02	6.00E-03
KPAC161	44	47	60	1360	0.13600001	6.00E-03
KPAC161	47	50	60	1320	0.132	6.00E-03
KPAC161	50	53	80	1300	0.13	8.00E-03
KPAC162	0	4	60	410	4.10E-02	6.00E-03
KPAC162	4	8	270	540	5.40E-02	2.70E-02
KPAC162	8	12	200	680	6.80E-02	0.02
KPAC162	12	16	250	1730	0.17299999	0.025
KPAC162	16	20	150	1480	0.148	0.015
KPAC162	20	24	410	4560	0.456	4.10E-02
KPAC162	24	28	60	770	0.077	6.00E-03
KPAC162	28	32	40	2150	0.215	4.00E-03
KPAC162	32	36	50	1170	0.117	5.00E-03
KPAC162	36	39	10	50	5.00E-03	0.001
KPAC162	39	42	30	40	4.00E-03	0.003
KPAC163	0	4	80	450	4.50E-02	8.00E-03

KPAC163	4	8	380	500	5.00E-02	3.80E-02
KPAC163	8	12	410	900	9.00E-02	4.10E-02
KPAC163	12	16	610	1990	0.199	6.10E-02
KPAC163	16	20	360	790	7.90E-02	3.60E-02
KPAC163	20	24	130	400	4.00E-02	0.013
KPAC163	24	28	200	690	6.90E-02	0.02
KPAC163	28	32	20	40	4.00E-03	2.00E-03
KPAC163	32	36	50	240	0.024	5.00E-03
KPAC163	36	39	40	140	0.014	4.00E-03
KPAC164	0	4	150	390	3.90E-02	0.015
KPAC164	4	8	260	330	0.033	2.60E-02
KPAC164	8	12	70	450	4.50E-02	7.00E-03
KPAC164	12	16	60	1000	0.1	6.00E-03
KPAC164	16	20	20	460	0.046	2.00E-03
KPAC164	20	24	110	280	2.80E-02	0.011
KPAC164	24	28	20	160	1.60E-02	2.00E-03
KPAC164	28	32	10	200	0.02	0.001
KPAC164	32	36	30	50	5.00E-03	0.003
KPAC164	36	39	20	30	0.003	2.00E-03
KPAC165	0	4	50	570	0.057	5.00E-03
KPAC165	4	8	90	90	9.00E-03	9.00E-03
KPAC165	8	12	40	50	5.00E-03	4.00E-03
KPAC165	12	16	120	390	3.90E-02	0.012
KPAC165	16	20	50	690	6.90E-02	5.00E-03
KPAC165	20	24	130	920	0.092	0.013
KPAC165	24	28	50	660	0.066	5.00E-03
KPAC165	28	32	10	90	9.00E-03	0.001
KPAC165	32	36	30	70	7.00E-03	0.003
KPAC165	36	39	130	40	4.00E-03	0.013
KPAC166	0	4	50	280	2.80E-02	5.00E-03
KPAC166	4	8	110	170	1.70E-02	0.011
KPAC166	8	12	100	80	8.00E-03	1.00E-02
KPAC166	12	16	140	230	0.023	0.014
KPAC166	16	20	140	530	5.30E-02	0.014
KPAC167	0	4	100	270	2.70E-02	1.00E-02
KPAC167	4	8	220	250	0.025	0.022
KPAC167	8	12	40	190	1.90E-02	4.00E-03
KPAC167	12	16	50	260	2.60E-02	5.00E-03
KPAC167	16	20	100	700	0.07	1.00E-02
KPAC168	0	4	20	390	3.90E-02	2.00E-03
KPAC168	4	8	10	270	2.70E-02	0.001
KPAC168	8	12	-10	450	4.50E-02	-0.001
KPAC168	12	16	-10	200	0.02	-0.001
KPAC168	16	20	10	190	1.90E-02	0.001
KPAC168	20	24	10	270	2.70E-02	0.001
KPAC168	24	28	10	230	0.023	0.001
KPAC168	28	32	10	400	4.00E-02	0.001
KPAC168	32	36	60	500	5.00E-02	6.00E-03
KPAC168	36	40	40	650	6.50E-02	4.00E-03
KPAC168	40	44	140	540	5.40E-02	0.014
KPAC168	44	48	70	540	5.40E-02	7.00E-03
KPAC168	48	52	30	370	0.037	0.003
KPAC168	52	56	30	480	0.048	0.003
KPAC168	56	60	40	810	0.081	4.00E-03
KPAC169	0	4	20	4290	0.42899999	2.00E-03
KPAC169	4	8	20	720	7.20E-02	2.00E-03
KPAC169	8	12	20	860	8.60E-02	2.00E-03
KPAC169	12	16	240	1450	0.145	0.024
KPAC169	16	20	50	760	7.60E-02	5.00E-03
KPAC169	20	24	70	860	8.60E-02	7.00E-03
KPAC169	24	28	420	2760	0.27599999	4.20E-02
KPAC169	28	32	120	3500	0.34999999	0.012
KPAC169	32	36	370	6790	0.67900002	0.037

KPAC169	36	40	300	10850	1.085	3.00E-02
KPAC169	40	44	300	5240	0.52399999	3.00E-02
KPAC169	44	48	330	4780	0.47799999	0.033
KPAC169	48	52	220	2810	0.28099999	0.022
KPAC169	52	56	240	3260	0.32600001	0.024
KPAC169	56	57	310	16750	1.675	3.10E-02
KPAC169	57	58	270	11750	1.175	2.70E-02
KPAC169	58	59	250	11800	1.1799999	0.025
KPAC169	59	60	330	18900	1.89	0.033
KPAC169	60	61	300	21700	2.1700001	3.00E-02
KPAC169	61	62	330	13200	1.3200001	0.033
KPAC169	62	63	220	11050	1.105	0.022
KPAC169	63	64	180	3450	0.345	1.80E-02
KPAC170	0	4	20	440	0.044	2.00E-03
KPAC170	4	8	30	360	3.60E-02	0.003
KPAC170	8	12	20	220	0.022	2.00E-03
KPAC170	12	16	10	330	0.033	0.001
KPAC170	16	20	10	490	4.90E-02	0.001
KPAC170	20	24	30	520	5.20E-02	0.003
KPAC170	24	28	50	720	7.20E-02	5.00E-03
KPAC170	28	32	70	730	7.30E-02	7.00E-03
KPAC170	32	36	120	930	9.30E-02	0.012
KPAC170	36	40	200	1270	0.127	0.02
KPAC170	40	44	370	2700	0.27000001	0.037
KPAC170	44	47	190	2950	0.29499999	1.90E-02
KPAC170	47	49	140	2230	0.223	0.014
KPAC170	49	50	120	2130	0.213	0.012
KPAC171	0	4	20	480	0.048	2.00E-03
KPAC171	4	8	20	460	0.046	2.00E-03
KPAC171	8	12	20	320	3.20E-02	2.00E-03
KPAC171	12	16	30	590	0.059	0.003
KPAC171	16	20	170	1140	0.114	1.70E-02
KPAC171	20	24	480	1840	0.184	0.048
KPAC171	24	28	620	2510	0.25099999	6.20E-02
KPAC171	28	32	420	1590	0.15899999	4.20E-02
KPAC171	32	36	550	2260	0.226	0.055
KPAC171	36	40	230	4090	0.40900001	0.023
KPAC171	40	44	130	48400	4.8400002	0.013
KPAC171	44	45	100	5900	0.58999997	1.00E-02
KPAC171	45	46	100	3990	0.39899999	1.00E-02
KPAC171	46	49	80	5080	0.50800002	8.00E-03
KPAC171	49	50	80	8100	0.81	8.00E-03
KPAC171	50	51	110	13700	1.37	0.011
KPAC171	51	52	140	14500	1.45	0.014
KPAC171	52	53	120	18000	1.8	0.012
KPAC171	53	54	140	15800	1.58	0.014
KPAC171	54	55	90	18950	1.895	9.00E-03
KPAC171	55	56	100	13050	1.3049999	1.00E-02
KPAC171	56	57	120	13550	1.355	0.012
KPAC171	57	58	130	10300	1.03	0.013
KPAC171	58	59	140	8490	0.84899998	0.014
KPAC171	59	60	190	6590	0.65899998	1.90E-02
KPAC172	0	4	20	570	0.057	2.00E-03
KPAC172	4	8	20	510	5.10E-02	2.00E-03
KPAC172	8	12	20	490	4.90E-02	2.00E-03
KPAC172	12	16	90	1220	0.122	9.00E-03
KPAC172	16	20	180	1060	0.106	1.80E-02
KPAC172	20	24	530	1880	0.18799999	5.30E-02
KPAC172	24	28	640	2340	0.234	6.40E-02
KPAC172	28	32	210	2970	0.29699999	0.021
KPAC172	32	33	380	9960	0.99599999	3.80E-02
KPAC172	33	34	400	22000	2.2	4.00E-02
KPAC172	34	35	240	105500	10.55	0.024

KPAC172	35	36	210	53000	5.3000002	0.021
KPAC172	36	37	170	83400	8.3400002	1.70E-02
KPAC172	37	38	310	46100	4.6100001	3.10E-02
KPAC172	38	39	250	120000	12	0.025
KPAC172	39	40	490	150000	15	4.90E-02
KPAC172	40	41	460	131000	13.1	0.046
KPAC172	41	42	300	138500	13.85	3.00E-02
KPAC172	42	43	320	117000	11.7	3.20E-02
KPAC172	43	44	250	90800	9.0799999	0.025
KPAC172	44	45	220	89600	8.96	0.022
KPAC172	45	46	210	122000	12.2	0.021
KPAC172	46	47	170	140000	14	1.70E-02
KPAC172	47	48	200	110000	11	0.02
KPAC172	48	49	240	101000	10.1	0.024
KPAC172	49	50	230	118000	11.8	0.023
KPAC172	50	51	180	137000	13.7	1.80E-02
KPAC172	51	52	130	198500	19.85	0.013
KPAC172	52	53	130	124500	12.45	0.013
KPAC172	53	54	130	98600	9.8599997	0.013
KPAC173	0	4	20	980	9.80E-02	2.00E-03
KPAC173	4	8	130	840	8.40E-02	0.013
KPAC173	8	12	20	390	3.90E-02	2.00E-03
KPAC173	12	16	260	710	7.10E-02	2.60E-02
KPAC173	16	20	320	1370	0.13699999	3.20E-02
KPAC173	20	24	250	3120	0.31200001	0.025
KPAC173	24	25	180	8400	0.83999997	1.80E-02
KPAC173	25	26	110	73400	7.3400002	0.011
KPAC173	26	27	130	119500	11.95	0.013
KPAC173	27	28	140	114500	11.45	0.014
KPAC173	28	29	340	223000	22.299999	3.40E-02
KPAC173	29	30	150	207000	20.700001	0.015
KPAC173	30	31	170	219000	21.9	1.70E-02
KPAC173	31	32	180	227000	22.700001	1.80E-02
KPAC173	32	33	180	99000	9.8999996	1.80E-02
KPAC173	33	34	60	91600	9.1599998	6.00E-03
KPAC173	34	35	430	4060	0.40599999	4.30E-02
KPAC173	35	36	150	196500	19.65	0.015
KPAC173	36	37	50	119500	11.95	5.00E-03
KPAC173	37	38	70	144000	14.4	7.00E-03
KPAC173	38	39	220	108000	10.8	0.022
KPAC173	39	40	340	78200	7.8200002	3.40E-02
KPAC173	40	41	440	83200	8.3199997	0.044
KPAC173	41	42	260	58300	5.8299999	2.60E-02
KPAC173	42	43	250	33200	3.3199999	0.025
KPAC173	43	44	540	104000	10.4	5.40E-02
KPAC173	44	45	210	122500	12.25	0.021
KPAC173	45	46	260	48500	4.8499999	2.60E-02
KPAC174	0	4	40	4790	0.479	4.00E-03
KPAC174	4	8	80	4370	0.43700001	8.00E-03
KPAC174	8	12	310	3020	0.30199999	3.10E-02
KPAC174	12	15	60	152000	15.2	6.00E-03
KPAC174	15	16	460	166000	16.6	0.046
KPAC174	16	17	330	176000	17.6	0.033
KPAC174	17	18	130	163500	16.35	0.013
KPAC174	18	19	130	114500	11.45	0.013
KPAC174	19	20	90	85100	8.5100002	9.00E-03
KPAC174	20	21	60	86900	8.6899996	6.00E-03
KPAC174	21	22	100	91500	9.1499996	1.00E-02
KPAC174	22	23	200	140000	14	0.02
KPAC174	23	24	240	71200	7.1199999	0.024
KPAC174	24	25	320	66900	6.6900001	3.20E-02
KPAC174	25	26	770	53800	5.3800001	0.077
KPAC174	26	27	520	54700	5.4699998	5.20E-02

KPAC174	27	28	370	51200	5.1199999	0.037
KPAC174	28	29	650	75000	7.5	6.50E-02
KPAC174	29	30	430	75400	7.54	4.30E-02
KPAC174	30	31	140	46900	4.6900001	0.014
KPAC174	31	32	240	80400	8.04	0.024
KPAC174	32	33	290	67400	6.7399998	2.90E-02
KPAC174	33	34	300	52700	5.27	3.00E-02
KPAC174	34	35	350	59800	5.98	0.035
KPAC174	35	36	350	74800	7.48	0.035
KPAC174	36	37	260	83300	8.3299999	2.60E-02
KPAC174	37	38	220	55300	5.5300002	0.022
KPAC174	38	39	310	91900	9.1899996	3.10E-02
KPAC174	39	40	290	79700	7.9699998	2.90E-02
KPAC174	40	41	220	139000	13.9	0.022
KPAC174	41	42	190	115000	11.5	1.90E-02
KPAC174	42	43	290	64500	6.4499998	2.90E-02
KPAC174	43	44	290	58700	5.8699999	2.90E-02
KPAC174	44	45	260	60100	6.0100002	2.60E-02
KPAC174	45	46	270	50300	5.0300002	2.70E-02
KPAC174	46	47	170	37900	3.79	1.70E-02
KPAC174	47	48	260	51000	5.0999999	2.60E-02
KPAC175	0	4	20	900	9.00E-02	2.00E-03
KPAC175	4	8	270	860	8.60E-02	2.70E-02
KPAC175	8	12	390	1530	0.153	3.90E-02
KPAC175	12	16	810	3130	0.31299999	0.081
KPAC175	16	20	370	4530	0.45300001	0.037
KPAC175	20	24	430	6810	0.68099999	4.30E-02
KPAC175	24	28	150	750	7.50E-02	0.015
KPAC175	28	29	530	7850	0.78500003	5.30E-02
KPAC175	29	30	730	17900	1.79	7.30E-02
KPAC175	30	31	460	4990	0.49900001	0.046
KPAC175	31	32	360	4330	0.433	3.60E-02
KPAC175	32	33	390	5220	0.52200001	3.90E-02
KPAC175	33	34	420	49900	4.9899998	4.20E-02
KPAC175	34	35	440	43200	4.3200002	0.044
KPAC175	35	36	410	22700	2.27	4.10E-02
KPAC175	36	37	200	40200	4.02	0.02
KPAC175	37	38	240	92700	9.2700005	0.024
KPAC175	38	39	280	56000	5.5999999	2.80E-02
KPAC175	39	40	320	67400	6.7399998	3.20E-02
KPAC176	0	4	30	790	7.90E-02	0.003
KPAC176	4	8	520	7680	0.76800001	5.20E-02
KPAC176	8	12	150	970	9.70E-02	0.015
KPAC176	12	16	100	2200	0.22	1.00E-02
KPAC176	16	20	140	4070	0.40700001	0.014
KPAC176	20	24	270	3340	0.33399999	2.70E-02
KPAC176	24	25	280	4480	0.44800001	2.80E-02
KPAC176	25	26	340	8420	0.84200001	3.40E-02
KPAC176	26	27	340	13400	1.34	3.40E-02
KPAC176	27	28	450	11600	1.16	4.50E-02
KPAC176	28	29	290	26800	2.6800001	2.90E-02
KPAC176	29	30	230	28500	2.8499999	0.023
KPAC176	30	31	220	12000	1.2	0.022
KPAC176	31	32	260	15100	1.51	2.60E-02
KPAC176	32	33	190	30100	3.01	1.90E-02
KPAC176	33	34	220	29600	2.96	0.022
KPAC176	34	35	160	25700	2.5699999	1.60E-02
KPAC176	35	36	220	13400	1.34	0.022
KPAC176	36	37	170	133000	13.3	1.70E-02
KPAC176	37	38	230	72000	7.1999998	0.023
KPAC176	38	39	340	34300	3.4300001	3.40E-02
KPAC176	39	40	130	19900	1.99	0.013
KPAC176	40	41	230	16300	1.63	0.023

KPAC176	41	42	300	21600	2.1600001	3.00E-02
KPAC176	42	43	260	61900	6.1900001	2.60E-02
KPAC176	43	44	230	74600	7.46	0.023
KPAC177	0	4	30	690	6.90E-02	0.003
KPAC177	4	8	230	850	8.50E-02	0.023
KPAC177	8	12	480	1500	0.15000001	0.048
KPAC177	12	16	150	1440	0.14399999	0.015
KPAC177	16	17	110	3230	0.32300001	0.011
KPAC177	17	18	120	2670	0.26699999	0.012
KPAC177	18	19	120	3680	0.368	0.012
KPAC177	19	20	100	4280	0.428	1.00E-02
KPAC177	20	21	140	8330	0.833	0.014
KPAC177	21	22	130	3460	0.34599999	0.013
KPAC177	22	23	60	6120	0.61199999	6.00E-03
KPAC178	0	4	50	590	0.059	5.00E-03
KPAC178	4	8	150	760	7.60E-02	0.015
KPAC178	8	12	120	910	9.10E-02	0.012
KPAC178	12	15	120	1370	0.13699999	0.012
KPAC179	0	4	40	570	0.057	4.00E-03
KPAC179	4	8	60	630	6.30E-02	6.00E-03
KPAC179	8	12	160	730	7.30E-02	1.60E-02
KPAC179	12	16	200	1010	0.101	0.02
KPAC179	16	20	120	1120	0.112	0.012
KPAC179	20	24	70	1500	0.15000001	7.00E-03
KPAC179	24	27	100	1640	0.164	1.00E-02
KPAC179	28	30	290	1080	0.108	2.90E-02
KPAC180	0	4	30	560	5.60E-02	0.003
KPAC180	4	8	200	700	0.07	0.02
KPAC180	8	12	140	620	6.20E-02	0.014
KPAC180	12	16	270	1440	0.14399999	2.70E-02
KPAC180	16	20	100	880	0.088	1.00E-02
KPAC180	20	24	160	1230	0.123	1.60E-02
KPAC180	24	28	80	930	9.30E-02	8.00E-03
KPAC180	28	32	120	1240	0.124	0.012
KPAC180	32	36	70	1940	0.19400001	7.00E-03
KPAC180	36	39	70	610	6.10E-02	7.00E-03
KPAC181	0	4	40	570	0.057	4.00E-03
KPAC181	4	8	40	580	5.80E-02	4.00E-03
KPAC181	8	12	100	690	6.90E-02	1.00E-02
KPAC181	12	16	150	1220	0.122	0.015
KPAC181	16	20	130	1830	0.183	0.013
KPAC181	20	24	130	910	9.10E-02	0.013
KPAC181	24	28	160	1290	0.12899999	1.60E-02
KPAC181	28	32	110	1230	0.123	0.011
KPAC181	32	36	90	1110	0.111	9.00E-03
KPAC182	0	4	30	540	5.40E-02	0.003
KPAC182	4	8	200	860	8.60E-02	0.02
KPAC182	8	12	220	1260	0.126	0.022
KPAC182	12	16	280	2010	0.20100001	2.80E-02
KPAC182	16	20	190	1130	0.113	1.90E-02
KPAC182	20	24	130	1250	0.125	0.013
KPAC182	24	28	160	1510	0.15099999	1.60E-02
KPAC182	28	32	200	1740	0.17399999	0.02
KPAC182	32	36	110	1330	0.133	0.011
KPAC182	36	39	90	510	5.10E-02	9.00E-03
KPAC183	0	4	40	540	5.40E-02	4.00E-03
KPAC183	4	8	430	870	8.70E-02	4.30E-02
KPAC183	8	12	300	610	6.10E-02	3.00E-02
KPAC183	12	16	240	1100	0.11	0.024
KPAC183	16	20	170	1330	0.133	1.70E-02
KPAC183	20	24	160	1180	0.118	1.60E-02
KPAC183	24	28	200	1250	0.125	0.02
KPAC183	28	32	120	1170	0.117	0.012

KPAC183	32	36	150	1460	0.146	0.015
KPAC184	0	4	50	520	5.20E-02	5.00E-03
KPAC184	4	8	60	500	5.00E-02	6.00E-03
KPAC184	8	12	570	820	8.20E-02	0.057
KPAC184	12	16	360	1150	0.115	3.60E-02
KPAC184	16	20	170	1150	0.115	1.70E-02
KPAC184	20	23	160	1230	0.123	1.60E-02
KPAC184	23	26	80	740	7.40E-02	8.00E-03
KPAC185	0	4	40	450	4.50E-02	4.00E-03
KPAC185	4	8	430	710	7.10E-02	4.30E-02
KPAC185	8	12	330	550	0.055	0.033
KPAC185	12	16	170	450	4.50E-02	1.70E-02
KPAC185	16	20	330	1320	0.132	0.033
KPAC185	20	24	220	1600	0.16	0.022
KPAC185	24	28	220	1380	0.138	0.022
KPAC185	28	32	120	1350	0.13500001	0.012
KPAC185	32	36	140	1400	0.14	0.014
KPAC185	36	40	80	1190	0.119	8.00E-03
KPAC185	40	43	90	1860	0.186	9.00E-03
KPAC185	43	46	110	1960	0.19599999	0.011
KPAC185	46	49	130	1460	0.146	0.013
KPAC186	0	4	40	630	6.30E-02	4.00E-03
KPAC186	4	8	350	610	6.10E-02	0.035
KPAC186	8	12	440	980	9.80E-02	0.044
KPAC186	12	16	280	1210	0.121	2.80E-02
KPAC186	16	20	180	2030	0.20299999	1.80E-02
KPAC186	20	24	70	690	6.90E-02	7.00E-03
KPAC186	24	28	10	20	2.00E-03	0.001
KPAC186	28	32	10	-10	-0.001	0.001
KPAC186	32	36	10	10	0.001	0.001
KPAC186	36	40	20	10	0.001	2.00E-03
KPAC186	40	44	-10	10	0.001	-0.001
KPAC186	44	48	10	-10	-0.001	0.001
KPAC187	0	4	50	410	4.10E-02	5.00E-03
KPAC187	4	8	320	450	4.50E-02	3.20E-02
KPAC187	8	12	110	350	0.035	0.011
KPAC187	12	16	170	1040	0.104	1.70E-02
KPAC187	16	20	190	1860	0.186	1.90E-02
KPAC187	20	24	140	1370	0.13699999	0.014
KPAC187	24	28	130	1310	0.131	0.013
KPAC187	28	30	110	690	6.90E-02	0.011
KPAC188	0	4	40	390	3.90E-02	4.00E-03
KPAC188	4	8	310	460	0.046	3.10E-02
KPAC188	8	12	370	400	4.00E-02	0.037
KPAC188	12	16	70	350	0.035	7.00E-03
KPAC188	16	20	90	990	9.90E-02	9.00E-03
KPAC188	20	24	170	960	9.60E-02	1.70E-02
KPAC188	24	28	140	1250	0.125	0.014
KPAC188	28	32	150	1170	0.117	0.015
KPAC188	32	36	110	920	0.092	0.011
KPAC189	0	4	70	370	0.037	7.00E-03
KPAC189	4	8	400	450	4.50E-02	4.00E-02
KPAC189	8	12	40	280	2.80E-02	4.00E-03
KPAC189	12	18	110	290	2.90E-02	0.011
KPAC189	18	20	100	320	3.20E-02	1.00E-02
KPAC189	20	24	200	1260	0.126	0.02
KPAC189	24	28	200	1500	0.15000001	0.02
KPAC189	28	32	190	1250	0.125	1.90E-02
KPAC189	32	36	140	1430	0.14300001	0.014
KPAC189	36	40	330	2270	0.227	0.033
KPAC189	40	44	160	1620	0.162	1.60E-02
KPAC190	0	4	70	400	4.00E-02	7.00E-03
KPAC190	4	8	130	370	0.037	0.013

KPAC190	8	12	80	460	0.046	8.00E-03
KPAC190	12	16	70	850	8.50E-02	7.00E-03
KPAC190	16	20	30	1380	0.138	0.003
KPAC190	20	24	20	1310	0.131	2.00E-03
KPAC190	24	28	130	1870	0.18700001	0.013
KPAC190	28	32	390	3540	0.354	3.90E-02
KPAC190	32	36	320	2340	0.234	3.20E-02
KPAC190	36	40	200	2410	0.241	0.02
KPAC190	40	43	160	3360	0.336	1.60E-02
KPAC190	43	45	280	3220	0.322	2.80E-02
KPAC191	0	4	110	440	0.044	0.011
KPAC191	4	8	210	460	0.046	0.021
KPAC191	8	11	310	410	4.10E-02	3.10E-02
KPAC191	11	14	290	340	3.40E-02	2.90E-02
KPAC192	0	4	50	280	2.80E-02	5.00E-03
KPAC192	4	8	170	330	0.033	1.70E-02
KPAC192	8	12	160	520	5.20E-02	1.60E-02
KPAC192	12	16	330	1020	0.102	0.033
KPAC192	16	20	460	1430	0.14300001	0.046
KPAC192	20	24	40	440	0.044	4.00E-03
KPAC192	24	28	20	410	4.10E-02	2.00E-03
KPAC192	28	32	30	530	5.30E-02	0.003
KPAC192	32	36	30	580	5.80E-02	0.003
KPAC192	36	40	20	730	7.30E-02	2.00E-03
KPAC192	40	44	10	940	9.40E-02	0.001
KPAC192	44	46	30	940	9.40E-02	0.003
KPAC192	46	47	70	6650	0.66500002	7.00E-03
KPAC192	47	49	80	3820	0.382	8.00E-03
KPAC192	49	50	120	4590	0.45899999	0.012
KPAC192	50	51	120	3970	0.39700001	0.012
KPAC192	51	52	140	3490	0.34900001	0.014
KPAC192	52	53	170	4860	0.486	1.70E-02
KPAC192	53	54	120	4580	0.458	0.012
KPAC192	54	55	120	4230	0.42300001	0.012
KPAC192	55	56	170	4490	0.449	1.70E-02
KPAC192	56	57	50	1580	0.15800001	5.00E-03
KPAC192	57	58	160	2610	0.26100001	1.60E-02
KPAC192	58	59	150	2340	0.234	0.015
KPAC192	59	60	250	5050	0.505	0.025
KPAC192	60	61	170	3980	0.398	1.70E-02
KPAC192	61	62	200	6100	0.61000001	0.02
KPAC192	62	63	160	2430	0.243	1.60E-02
KPAC192	63	64	130	2140	0.214	0.013
KPAC192	64	65	120	1880	0.18799999	0.012
KPAC192	65	66	130	2430	0.243	0.013
KPAC193	0	4	50	280	2.80E-02	5.00E-03
KPAC193	4	8	160	330	0.033	1.60E-02
KPAC193	8	12	180	310	3.10E-02	1.80E-02
KPAC193	12	16	540	860	8.60E-02	5.40E-02
KPAC193	16	20	310	800	8.00E-02	3.10E-02
KPAC193	20	24	200	1020	0.102	0.02
KPAC193	24	28	150	920	0.092	0.015
KPAC193	28	32	110	1030	0.103	0.011
KPAC193	32	36	160	1370	0.13699999	1.60E-02
KPAC193	36	40	190	1300	0.13	1.90E-02
KPAC193	40	44	50	770	0.077	5.00E-03
KPAC193	44	48	20	60	6.00E-03	2.00E-03
KPAC193	48	52	20	170	1.70E-02	2.00E-03
KPAC193	52	56	30	410	4.10E-02	0.003
KPAC193	56	60	70	960	9.60E-02	7.00E-03
KPAC194	0	4	40	320	3.20E-02	4.00E-03
KPAC194	4	8	50	230	0.023	5.00E-03
KPAC194	8	12	140	310	3.10E-02	0.014

KPAC194	12	16	380	600	6.00E-02	3.80E-02
KPAC194	16	20	380	470	4.70E-02	3.80E-02
KPAC194	20	24	390	780	7.80E-02	3.90E-02
KPAC194	24	28	270	600	6.00E-02	2.70E-02
KPAC194	28	32	220	700	0.07	0.022
KPAC194	32	36	160	970	9.70E-02	1.60E-02
KPAC195	0	4	20	380	3.80E-02	2.00E-03
KPAC195	4	8	10	210	0.021	0.001
KPAC195	8	12	20	190	1.90E-02	2.00E-03
KPAC195	12	16	10	150	0.015	0.001
KPAC195	16	20	10	260	2.60E-02	0.001
KPAC195	20	24	10	200	0.02	0.001
KPAC195	24	28	30	150	0.015	0.003
KPAC195	28	32	30	160	1.60E-02	0.003
KPAC195	32	36	30	200	0.02	0.003
KPAC195	36	40	20	220	0.022	2.00E-03
KPAC195	40	44	40	230	0.023	4.00E-03
KPAC195	44	48	150	350	0.035	0.015
KPAC195	48	52	60	520	5.20E-02	6.00E-03
KPAC195	52	56	50	620	6.20E-02	5.00E-03
KPAC195	56	60	40	620	6.20E-02	4.00E-03
KPAC196	0	4	10	210	0.021	0.001
KPAC196	4	8	10	230	0.023	0.001
KPAC196	8	12	90	400	4.00E-02	9.00E-03
KPAC196	12	16	80	560	5.60E-02	8.00E-03
KPAC196	16	20	50	890	8.90E-02	5.00E-03
KPAC196	20	24	70	480	0.048	7.00E-03
KPAC196	24	27	30	190	1.90E-02	0.003
KPAC196	27	30	20	270	2.70E-02	2.00E-03
KPAC197	0	4	20	380	3.80E-02	2.00E-03
KPAC197	4	8	10	230	0.023	0.001
KPAC197	8	12	30	160	1.60E-02	0.003
KPAC197	12	16	30	180	1.80E-02	0.003
KPAC197	16	20	30	290	2.90E-02	0.003
KPAC197	20	24	20	430	4.30E-02	2.00E-03
KPAC197	24	28	10	100	1.00E-02	0.001
KPAC197	28	32	10	30	0.003	0.001
KPAC197	32	36	20	20	2.00E-03	2.00E-03
KPAC197	36	39	10	10	0.001	0.001
KPAC197	39	42	-10	10	0.001	-0.001
KPAC197	42	45	10	-10	-0.001	0.001
KPAC198	0	4	50	420	4.20E-02	5.00E-03
KPAC198	4	8	60	390	3.90E-02	6.00E-03
KPAC198	8	12	70	100	1.00E-02	7.00E-03
KPAC198	12	16	50	20	2.00E-03	5.00E-03
KPAC198	16	20	50	20	2.00E-03	5.00E-03
KPAC198	20	24	20	10	0.001	2.00E-03
KPAC198	24	27	40	20	2.00E-03	4.00E-03
KPAC198	27	30	30	10	0.001	0.003
KPAC199	0	4	60	380	3.80E-02	6.00E-03
KPAC199	4	8	60	290	2.90E-02	6.00E-03
KPAC199	8	12	40	40	4.00E-03	4.00E-03
KPAC199	12	16	20	40	4.00E-03	2.00E-03
KPAC199	16	20	30	220	0.022	0.003
KPAC199	20	24	30	50	5.00E-03	0.003
KPAC199	24	27	30	60	6.00E-03	0.003
KPAC199	27	30	20	20	2.00E-03	2.00E-03
KPAC200	0	4	50	710	7.10E-02	5.00E-03
KPAC200	4	8	50	390	3.90E-02	5.00E-03
KPAC200	8	12	20	1140	0.114	2.00E-03
KPAC200	12	16	20	180	1.80E-02	2.00E-03
KPAC200	16	20	20	20	2.00E-03	2.00E-03
KPAC200	20	24	20	20	2.00E-03	2.00E-03

KPAC200	24	28	10	10	0.001	0.001
KPAC200	28	32	10	10	0.001	0.001
KPAC200	32	36	10	10	0.001	0.001
KPAC200	36	39	-10	10	0.001	-0.001
KPAC200	39	42	20	10	0.001	2.00E-03
KPAC200	42	45	-10	10	0.001	-0.001
KPAC201	0	4	50	630	6.30E-02	5.00E-03
KPAC201	4	8	20	360	3.60E-02	2.00E-03
KPAC201	8	12	40	320	3.20E-02	4.00E-03
KPAC201	12	16	70	380	3.80E-02	7.00E-03
KPAC201	16	20	60	490	4.90E-02	6.00E-03
KPAC201	20	24	60	760	7.60E-02	6.00E-03
KPAC201	24	28	50	780	7.80E-02	5.00E-03
KPAC201	28	32	120	1480	0.148	0.012
KPAC201	32	36	110	1150	0.115	0.011
KPAC201	36	40	50	1080	0.108	5.00E-03
KPAC201	40	44	30	1650	0.16500001	0.003
KPAC201	44	48	40	1710	0.171	4.00E-03
KPAC201	48	52	20	1160	0.116	2.00E-03
KPAC201	52	56	20	1000	0.1	2.00E-03
KPAC201	56	60	20	1320	0.132	2.00E-03
KPAC202	0	4	20	500	5.00E-02	2.00E-03
KPAC202	4	8	40	360	3.60E-02	4.00E-03
KPAC202	8	12	50	500	5.00E-02	5.00E-03
KPAC202	12	16	80	660	0.066	8.00E-03
KPAC202	16	20	50	870	8.70E-02	5.00E-03
KPAC202	20	24	50	1210	0.121	5.00E-03
KPAC202	24	28	50	1820	0.182	5.00E-03
KPAC202	28	32	40	1230	0.123	4.00E-03
KPAC202	32	36	50	1760	0.176	5.00E-03
KPAC202	36	40	180	2950	0.29499999	1.80E-02
KPAC202	40	44	60	1770	0.177	6.00E-03
KPAC202	44	48	60	1480	0.148	6.00E-03
KPAC202	48	52	40	1540	0.154	4.00E-03
KPAC202	52	56	20	1940	0.19400001	2.00E-03
KPAC202	56	57	20	11900	1.1900001	2.00E-03
KPAC202	57	58	30	13800	1.38	0.003
KPAC202	58	59	20	10200	1.02	2.00E-03
KPAC202	59	60	20	4380	0.43799999	2.00E-03
KPAC202	60	61	30	11300	1.13	0.003
KPAC202	61	62	20	5040	0.50400001	2.00E-03
KPAC202	62	63	20	4320	0.43200001	2.00E-03
KPAC202	63	64	40	5340	0.53399998	4.00E-03
KPAC202	64	65	40	4610	0.461	4.00E-03
KPAC202	65	66	20	2590	0.259	2.00E-03
KPAC202	66	67	30	2960	0.296	0.003
KPAC202	67	69	40	4190	0.419	4.00E-03
KPAC203	0	4	20	1030	0.103	2.00E-03
KPAC203	4	8	20	800	8.00E-02	2.00E-03
KPAC203	8	12	20	630	6.30E-02	2.00E-03
KPAC203	12	16	30	920	0.092	0.003
KPAC203	16	20	20	580	5.80E-02	2.00E-03
KPAC203	20	24	10	730	7.30E-02	0.001
KPAC203	24	28	10	920	0.092	0.001
KPAC203	28	32	30	1520	0.152	0.003
KPAC203	32	36	-10	1030	0.103	-0.001
KPAC204	0	4	40	890	8.90E-02	4.00E-03
KPAC204	4	8	40	610	6.10E-02	4.00E-03
KPAC204	8	12	60	1470	0.147	6.00E-03
KPAC204	12	16	70	1790	0.17900001	7.00E-03
KPAC204	16	20	60	1420	0.142	6.00E-03
KPAC204	20	24	50	1310	0.131	5.00E-03
KPAC204	24	28	40	1420	0.142	4.00E-03

KPAC204	28	32	20	1960	0.19599999	2.00E-03
KPAC204	32	36	70	2710	0.271	7.00E-03
KPAC204	36	40	140	2820	0.28200001	0.014
KPAC204	40	44	60	880	0.088	6.00E-03
KPAC204	44	48	20	470	4.70E-02	2.00E-03
KPAC204	48	52	30	550	0.055	0.003
KPAC204	52	56	30	580	5.80E-02	0.003
KPAC204	56	60	30	790	7.90E-02	0.003
KPAC205	0	4	60	710	7.10E-02	6.00E-03
KPAC205	4	8	40	530	5.30E-02	4.00E-03
KPAC205	8	12	50	370	0.037	5.00E-03
KPAC205	12	16	60	280	2.80E-02	6.00E-03
KPAC205	16	20	90	490	4.90E-02	9.00E-03
KPAC205	20	24	150	1060	0.106	0.015
KPAC205	24	28	500	1740	0.17399999	5.00E-02
KPAC205	28	32	400	2620	0.26199999	4.00E-02
KPAC205	32	33	750	3820	0.382	7.50E-02
KPAC205	33	34	250	7430	0.74299997	0.025
KPAC205	34	35	150	51500	5.1500001	0.015
KPAC205	35	36	220	20900	2.0899999	0.022
KPAC205	36	37	420	8630	0.86299998	4.20E-02
KPAC205	37	38	800	28500	2.8499999	8.00E-02
KPAC205	38	39	270	9430	0.94300002	2.70E-02
KPAC205	39	40	270	9210	0.921	2.70E-02
KPAC205	40	41	360	18000	1.8	3.60E-02
KPAC205	41	42	340	47100	4.71	3.40E-02
KPAC206	42	43	400	49900	4.9899998	4.00E-02
KPAC206	43	44	330	98500	9.8500004	0.033
KPAC206	44	45	400	96200	9.6199999	4.00E-02
KPAC206	45	46	420	84900	8.4899998	4.20E-02
KPAC206	0	4	80	940	9.40E-02	8.00E-03
KPAC206	4	8	400	1300	0.13	4.00E-02
KPAC206	8	12	1220	3460	0.34599999	0.122
KPAC206	12	16	1810	5150	0.51499999	0.18099999
KPAC206	16	20	2840	8240	0.824	0.28400001
KPAC206	20	21	1070	3580	0.35800001	0.107
KPAC206	21	22	1710	6110	0.611	0.171
KPAC206	22	23	1910	10200	1.02	0.191
KPAC206	23	24	1950	16900	1.6900001	0.19499999
KPAC206	24	25	1740	37900	3.79	0.17399999
KPAC206	25	26	1860	33500	3.3499999	0.186
KPAC206	26	27	1880	33300	3.3299999	0.18799999
KPAC206	27	28	1320	34500	3.45	0.132
KPAC206	28	29	1000	82600	8.2600002	0.1
KPAC206	29	30	860	77200	7.7199998	8.60E-02
KPAC206	30	31	620	75300	7.5300002	6.20E-02
KPAC206	31	32	540	59600	5.96	5.40E-02
KPAC206	32	33	400	80200	8.0200005	4.00E-02
KPAC206	33	34	310	100500	10.05	3.10E-02
KPAC206	34	35	320	107000	10.7	3.20E-02
KPAC206	35	36	320	105500	10.55	3.20E-02
KPAC206	36	37	370	114500	11.45	0.037
KPAC206	37	38	350	146000	14.6	0.035
KPAC206	38	39	490	88400	8.8400002	4.90E-02
KPAC206	39	40	430	56300	5.6300001	4.30E-02
KPAC206	40	41	410	71900	7.1900001	4.10E-02
KPAC206	41	42	450	107500	10.75	4.50E-02
KPAC206	42	43	270	297000	29.700001	
KPAC206	43	44	510	196000	19.6	
KPAC206	44	45	770	116000	11.6	
KPAC206	45	46	510	113500	11.35	
KPAC206	46	47	700	72700	7.27	0.07
KPAC207	0	4	100	2820	0.28200001	1.00E-02

KPAC207	4	7	300	2060	0.206	3.00E-02
KPAC207	7	8	1410	3840	0.384	0.141
KPAC207	8	9	1130	4510	0.45100001	0.113
KPAC207	9	10	910	12600	1.26	9.10E-02
KPAC207	10	11	1110	33900	3.3900001	0.111
KPAC207	11	12	950	30900	3.0899999	9.50E-02
KPAC207	12	13	390	7570	0.75700003	3.90E-02
KPAC207	13	14	720	11000	1.1	7.20E-02
KPAC207	14	15	1430	19200	1.92	0.14300001
KPAC207	15	16	1230	21100	2.1099999	0.123
KPAC207	16	17	1030	40100	4.0100002	0.103
KPAC207	17	18	810	82300	8.2299995	0.081
KPAC207	18	19	820	247000	24.700001	8.20E-02
KPAC207	19	20	520	214000	21.4	5.20E-02
KPAC207	20	21	840	208000	20.799999	8.40E-02
KPAC207	21	22	1260	136000	13.6	0.126
KPAC207	22	23	1390	125500	12.55	0.139
KPAC207	23	24	1110	124000	12.4	0.111
KPAC207	24	25	2080	181500	18.15	0.208
KPAC207	25	26	1420	141000	14.1	0.142
KPAC207	26	27	980	89000	8.8999996	9.80E-02
KPAC207	27	28	770	91800	9.1800003	0.077
KPAC207	28	29	850	109000	10.9	8.50E-02
KPAC207	29	30	990	150500	15.05	9.90E-02
KPAC207	30	31	1110	89200	8.9200001	0.111
KPAC207	31	32	1040	59300	5.9299998	0.104
KPAC207	32	33	670	92500	9.25	6.70E-02
KPAC207	33	34	590	98900	9.8900003	0.059
KPAC207	34	35	400	91700	9.1700001	4.00E-02
KPAC207	35	36	600	44300	4.4299998	6.00E-02
KPAC207	36	37	320	117500	11.75	3.20E-02
KPAC207	37	38	610	173000	17.299999	6.10E-02
KPAC207	38	39	480	28600	2.8599999	0.048
KPAC207	39	40	300	34200	3.4200001	3.00E-02
KPAC207	40	41	210	40800	4.0799999	0.021
KPAC207	41	42	250	69700	6.9699998	0.025
KPAC207	42	43	290	132000	13.2	2.90E-02
KPAC207	43	44	380	99500	9.9499998	3.80E-02
KPAC207	44	45	420	107500	10.75	4.20E-02
KPAC207	45	46	350	168000	16.799999	0.035
KPAC207	46	47	400	108500	10.85	4.00E-02
KPAC208	0	4	70	3940	0.39399999	7.00E-03
KPAC208	4	8	140	2490	0.249	0.014
KPAC208	8	9	300	2320	0.23199999	3.00E-02
KPAC208	9	10	610	7670	0.76700002	6.10E-02
KPAC208	10	11	650	8300	0.82999998	6.50E-02
KPAC208	11	12	630	28200	2.8199999	6.30E-02
KPAC208	12	13	200	70100	7.0100002	0.02
KPAC208	13	14	450	44900	4.4899998	4.50E-02
KPAC208	14	15	590	105000	10.5	0.059
KPAC208	15	16	820	103000	10.3	8.20E-02
KPAC208	16	17	640	127500	12.75	6.40E-02
KPAC208	17	18	610	153500	15.35	6.10E-02
KPAC208	18	19	620	93600	9.3599997	6.20E-02
KPAC208	19	20	470	65500	6.5500002	4.70E-02
KPAC208	20	21	330	109500	10.95	0.033
KPAC208	21	22	200	55800	5.5799999	0.02
KPAC208	22	23	330	30200	3.02	0.033
KPAC208	23	24	410	69500	6.9499998	4.10E-02
KPAC208	24	25	480	79700	7.9699998	0.048
KPAC208	25	26	490	38500	3.8499999	4.90E-02
KPAC208	26	27	300	25800	2.5799999	3.00E-02
KPAC208	27	28	320	43000	4.3000002	3.20E-02

KPAC208	28	29	330	39800	3.98	0.033
KPAC208	29	30	250	66500	6.6500001	0.025
KPAC208	30	31	210	47400	4.7399998	0.021
KPAC208	31	32	250	67900	6.79	0.025
KPAC208	32	33	480	108000	10.8	0.048
KPAC208	33	34	320	75800	7.5799999	3.20E-02
KPAC208	34	35	370	88000	8.8000002	0.037
KPAC208	35	36	440	79500	7.9499998	0.044
KPAC208	36	37	470	71500	7.1500001	4.70E-02
KPAC208	37	38	550	43600	4.3600001	0.055
KPAC208	38	39	520	47700	4.77	5.20E-02
KPAC208	39	40	280	176500	17.65	2.80E-02
KPAC208	40	41	220	170000	17	0.022
KPAC208	41	42	260	93500	9.3500004	2.60E-02
KPAC208	42	43	290	78200	7.8200002	2.90E-02
KPAC208	43	44	350	75300	7.5300002	0.035
KPAC208	44	45	310	62800	6.2800002	3.10E-02
KPAC208	45	46	310	62100	6.21	3.10E-02
KPAC208	46	47	220	76700	7.6700001	0.022
KPAC208	47	48	270	66400	6.6399999	2.70E-02
KPAC208	48	49	330	60900	6.0900002	0.033
KPAC208	49	50	300	54700	5.4699998	3.00E-02
KPAC208	50	51	270	35600	3.5599999	2.70E-02
KPAC209	0	4	70	1910	0.191	7.00E-03
KPAC209	4	8	370	3600	0.36000001	0.037
KPAC209	8	12	200	1000	0.1	0.02
KPAC209	12	16	350	3290	0.329	0.035
KPAC209	16	20	420	4550	0.45500001	4.20E-02
KPAC209	20	21	310	19600	1.96	3.10E-02
KPAC209	21	22	460	23200	2.3199999	0.046
KPAC209	22	23	410	69000	6.9000001	4.10E-02
KPAC209	23	24	350	64500	6.4499998	0.035
KPAC209	24	25	240	39100	3.9100001	0.024
KPAC209	25	26	200	48200	4.8200002	0.02
KPAC209	26	27	230	42600	4.2600002	0.023
KPAC209	27	28	240	39500	3.95	0.024
KPAC209	28	29	230	17500	1.75	0.023
KPAC209	29	30	230	17600	1.76	0.023
KPAC209	30	31	270	34200	3.4200001	2.70E-02
KPAC209	31	32	200	40100	4.0100002	0.02
KPAC209	32	33	240	28300	2.8299999	0.024
KPAC209	33	34	240	18700	1.87	0.024
KPAC209	34	35	140	35000	3.5	0.014
KPAC209	35	36	260	38800	3.8800001	2.60E-02
KPAC209	36	37	140	26600	2.6600001	0.014
KPAC209	37	38	160	15800	1.58	1.60E-02
KPAC209	38	39	160	16300	1.63	1.60E-02
KPAC209	39	40	220	18800	1.88	0.022
KPAC209	40	41	160	12600	1.26	1.60E-02
KPAC209	41	42	170	14800	1.48	1.70E-02
KPAC209	42	43	190	20800	2.0799999	1.90E-02
KPAC209	43	44	180	20900	2.0899999	1.80E-02
KPAC209	44	45	110	30200	3.02	0.011
KPAC209	45	46	140	24900	2.49	0.014
KPAC209	46	47	60	18100	1.8099999	6.00E-03
KPAC209	47	48	90	18600	1.86	9.00E-03
KPAC209	48	49	100	17000	1.7	1.00E-02
KPAC209	49	50	80	16100	1.61	8.00E-03
KPAC209	50	51	70	24300	2.4300001	7.00E-03
KPAC209	51	52	100	18200	1.8200001	1.00E-02
KPAC209	52	53	70	64500	6.4499998	7.00E-03
KPAC209	53	54	80	37000	3.7	8.00E-03
KPAC209	54	55	70	28600	2.8599999	7.00E-03

KPAC209	55	56	100	2060	0.206	1.00E-02
KPAC209	56	57	90	3960	0.396	9.00E-03
KPAC210	0	4	50	760	7.60E-02	5.00E-03
KPAC210	4	8	300	1210	0.121	3.00E-02
KPAC210	8	12	310	1250	0.125	3.10E-02
KPAC210	12	16	420	1800	0.18000001	4.20E-02
KPAC210	16	20	310	2440	0.244	3.10E-02
KPAC210	20	24	100	2340	0.234	1.00E-02
KPAC210	24	28	60	2920	0.292	6.00E-03
KPAC210	28	32	60	2760	0.27599999	6.00E-03
KPAC210	32	36	120	2400	0.23999999	0.012
KPAC210	36	40	140	3040	0.30399999	0.014
KPAC210	40	44	170	3860	0.38600001	1.70E-02
KPAC210	44	45	200	3720	0.37200001	0.02
KPAC210	45	46	160	3240	0.324	1.60E-02
KPAC210	46	47	180	3540	0.354	1.80E-02
KPAC210	47	48	150	3120	0.31200001	0.015
KPAC210	48	49	100	4270	0.42699999	1.00E-02
KPAC210	49	50	130	4430	0.44299999	0.013
KPAC210	50	51	120	4890	0.48899999	0.012
KPAC210	51	54	90	2660	0.266	9.00E-03
KPAC211	0	4	40	690	6.90E-02	4.00E-03
KPAC211	4	8	100	690	6.90E-02	1.00E-02
KPAC211	8	12	350	1620	0.162	0.035
KPAC211	12	16	50	17700	1.77	5.00E-03
KPAC211	16	20	90	1110	0.111	9.00E-03
KPAC211	20	24	60	730	7.30E-02	6.00E-03
KPAC211	24	28	70	720	7.20E-02	7.00E-03
KPAC211	28	32	90	1140	0.114	9.00E-03
KPAC211	32	36	110	1360	0.13600001	0.011
KPAC211	36	39	60	1080	0.108	6.00E-03
KPAC211	39	41	60	2050	0.205	6.00E-03
KPAC212	0	4	20	580	5.80E-02	2.00E-03
KPAC212	4	8	160	630	6.30E-02	1.60E-02
KPAC212	8	12	250	630	6.30E-02	0.025
KPAC212	12	16	290	490	4.90E-02	2.90E-02
KPAC212	16	20	210	640	6.40E-02	0.021
KPAC212	20	22	190	1550	0.155	1.90E-02
KPAC212	22	23	170	1270	0.127	1.70E-02
KPAC212	23	24	190	11900	1.1900001	1.90E-02
KPAC212	24	25	170	8460	0.84600002	1.70E-02
KPAC212	25	26	100	5020	0.50199997	1.00E-02
KPAC213	0	4	40	550	0.055	4.00E-03
KPAC213	4	8	100	540	5.40E-02	1.00E-02
KPAC213	8	12	160	810	0.081	1.60E-02
KPAC213	12	16	160	1210	0.121	1.60E-02
KPAC213	16	20	70	910	9.10E-02	7.00E-03
KPAC213	20	24	70	1120	0.112	7.00E-03
KPAC213	24	28	60	1160	0.116	6.00E-03
KPAC213	28	32	110	1370	0.13699999	0.011
KPAC213	32	35	160	2320	0.23199999	1.60E-02
KPAC214	0	4	30	530	5.30E-02	0.003
KPAC214	4	8	60	570	0.057	6.00E-03
KPAC214	8	12	60	640	6.40E-02	6.00E-03
KPAC214	12	16	210	1100	0.11	0.021
KPAC214	16	20	170	900	9.00E-02	1.70E-02
KPAC214	20	24	170	1370	0.13699999	1.70E-02
KPAC214	24	28	70	730	7.30E-02	7.00E-03
KPAC214	28	32	80	740	7.40E-02	8.00E-03
KPAC214	32	36	60	1120	0.112	6.00E-03
KPAC214	36	38	100	1210	0.121	1.00E-02
KPAC214	38	39	60	3160	0.31600001	6.00E-03
KPAC214	39	40	40	3280	0.32800001	4.00E-03

KPAC214	40	41	40	7270	0.727	4.00E-03
KPAC214	41	42	80	3120	0.31200001	8.00E-03
KPAC214	42	43	130	790	7.90E-02	0.013
KPAC214	43	44	140	150	0.015	0.014
KPAC214	44	45	280	940	9.40E-02	2.80E-02
KPAC215	0	4	30	510	5.10E-02	0.003
KPAC215	4	8	80	640	6.40E-02	8.00E-03
KPAC215	8	12	60	490	4.90E-02	6.00E-03
KPAC215	12	16	330	1380	0.138	0.033
KPAC215	16	20	110	1250	0.125	0.011
KPAC215	20	24	150	1320	0.132	0.015
KPAC215	24	28	170	1060	0.106	1.70E-02
KPAC215	28	32	140	1390	0.139	0.014
KPAC215	32	36	80	1130	0.113	8.00E-03
KPAC215	36	40	110	1690	0.169	0.011
KPAC215	40	44	40	440	0.044	4.00E-03
KPAC215	44	47	30	60	6.00E-03	0.003
KPAC215	47	50	30	50	5.00E-03	0.003
KPAC216	0	4	30	460	0.046	0.003
KPAC216	4	8	250	570	0.057	0.025
KPAC216	8	12	80	450	4.50E-02	8.00E-03
KPAC216	12	16	180	820	8.20E-02	1.80E-02
KPAC216	16	20	140	930	9.30E-02	0.014
KPAC216	20	24	100	830	8.30E-02	1.00E-02
KPAC216	24	28	100	950	9.50E-02	1.00E-02
KPAC216	28	31	100	1080	0.108	1.00E-02
KPAC216	32	35	90	600	6.00E-02	9.00E-03
KPAC216	35	38	160	1640	0.164	1.60E-02
KPAC216	38	42	170	1190	0.119	1.70E-02
KPAC216	42	46	100	1270	0.127	1.00E-02
KPAC217	0	4	30	480	0.048	0.003
KPAC217	4	8	300	690	6.90E-02	3.00E-02
KPAC217	8	12	210	780	7.80E-02	0.021
KPAC217	12	16	360	1020	0.102	3.60E-02
KPAC217	16	20	500	1070	0.107	5.00E-02
KPAC217	20	23	110	940	9.40E-02	0.011
KPAC218	0	4	30	460	0.046	0.003
KPAC218	4	8	180	500	5.00E-02	1.80E-02
KPAC218	8	12	640	790	7.90E-02	6.40E-02
KPAC218	12	16	360	520	5.20E-02	3.60E-02
KPAC218	16	20	410	830	8.30E-02	4.10E-02
KPAC218	20	24	460	1330	0.133	0.046
KPAC218	24	28	140	1040	0.104	0.014
KPAC218	28	32	80	800	8.00E-02	8.00E-03
KPAC218	32	36	70	1320	0.132	7.00E-03
KPAC218	36	39	90	1710	0.171	9.00E-03
KPAC219	0	4	40	460	0.046	4.00E-03
KPAC219	4	8	20	310	3.10E-02	2.00E-03
KPAC219	8	12	90	510	5.10E-02	9.00E-03
KPAC219	12	16	770	1730	0.17299999	0.077
KPAC219	16	20	240	1120	0.112	0.024
KPAC219	20	24	150	1080	0.108	0.015
KPAC219	24	27	100	1050	0.105	1.00E-02
KPAC219	27	30	120	1640	0.164	0.012
KPAC219	30	33	100	950	9.50E-02	1.00E-02
KPAC220	0	4	30	330	0.033	0.003
KPAC220	4	8	20	250	0.025	2.00E-03
KPAC220	8	12	20	170	1.70E-02	2.00E-03
KPAC220	12	16	190	240	0.024	1.90E-02
KPAC220	16	20	510	1490	0.149	5.10E-02
KPAC220	20	24	580	1160	0.116	5.80E-02
KPAC220	24	28	250	860	8.60E-02	0.025
KPAC220	28	32	300	1410	0.141	3.00E-02

KPAC220	32	36	110	1080	0.108	0.011
KPAC220	36	40	110	1550	0.155	0.011
KPAC220	40	44	120	1100	0.11	0.012
KPAC221	0	4	20	400	4.00E-02	2.00E-03
KPAC221	4	8	20	270	2.70E-02	2.00E-03
KPAC221	8	12	20	160	1.60E-02	2.00E-03
KPAC221	12	16	110	300	3.00E-02	0.011
KPAC221	16	20	310	370	0.037	3.10E-02
KPAC221	20	24	670	1310	0.131	6.70E-02
KPAC221	24	28	490	1190	0.119	4.90E-02
KPAC221	28	32	330	1010	0.101	0.033
KPAC221	32	36	140	1250	0.125	0.014
KPAC221	36	39	110	1010	0.101	0.011
KPAC221	39	41	40	450	4.50E-02	4.00E-03
KPAC222	0	4	20	360	3.60E-02	2.00E-03
KPAC222	4	8	20	240	0.024	2.00E-03
KPAC222	8	12	20	140	0.014	2.00E-03
KPAC222	12	16	130	240	0.024	0.013
KPAC222	16	20	210	220	0.022	0.021
KPAC222	20	24	610	460	0.046	6.10E-02
KPAC222	24	28	240	390	3.90E-02	0.024
KPAC222	28	32	480	1060	0.106	0.048
KPAC222	32	35	870	2260	0.226	8.70E-02
KPAC222	35	37	470	1320	0.132	4.70E-02
KPAC223	0	4	30	340	3.40E-02	0.003
KPAC223	4	8	20	210	0.021	2.00E-03
KPAC223	8	12	40	190	1.90E-02	4.00E-03
KPAC223	12	16	120	210	0.021	0.012
KPAC223	16	20	120	210	0.021	0.012
KPAC223	20	24	170	230	0.023	1.70E-02
KPAC223	24	28	150	210	0.021	0.015
KPAC223	28	32	230	260	2.60E-02	0.023
KPAC223	32	36	510	420	4.20E-02	5.10E-02
KPAC223	36	40	350	430	4.30E-02	0.035
KPAC224	0	4	20	310	3.10E-02	2.00E-03
KPAC224	4	8	20	240	0.024	2.00E-03
KPAC224	8	12	10	180	1.80E-02	0.001
KPAC224	12	16	170	270	2.70E-02	1.70E-02
KPAC224	16	20	230	230	0.023	0.023
KPAC224	20	24	220	250	0.025	0.022
KPAC224	24	28	260	260	2.60E-02	2.60E-02
KPAC224	28	32	280	270	2.70E-02	2.80E-02
KPAC224	32	34	270	290	2.90E-02	2.70E-02
KPAC224	36	39	420	590	0.059	4.20E-02
KPAC224	39	42	280	600	6.00E-02	2.80E-02
KPAC224	42	45	230	690	6.90E-02	0.023
KPAC225	0	4	30	310	3.10E-02	0.003
KPAC225	4	8	10	200	0.02	0.001
KPAC225	8	12	100	230	0.023	1.00E-02
KPAC225	12	16	230	350	0.035	0.023
KPAC225	16	20	230	410	4.10E-02	0.023
KPAC225	20	24	280	720	7.20E-02	2.80E-02
KPAC225	24	28	220	540	5.40E-02	0.022
KPAC225	28	32	200	570	0.057	0.02
KPAC225	32	36	170	570	0.057	1.70E-02
KPAC226	0	4	270	1510	0.15099999	2.70E-02
KPAC226	4	6	310	2260	0.226	3.10E-02
KPAC226	6	7	310	2250	0.22499999	3.10E-02
KPAC226	7	8	410	9780	0.97799999	4.10E-02
KPAC226	8	9	580	16900	1.6900001	5.80E-02
KPAC226	9	10	320	26100	2.6099999	3.20E-02
KPAC226	10	11	480	38700	3.8699999	0.048
KPAC226	11	12	550	8650	0.86500001	0.055

KPAC226	12	15	420	4530	0.45300001	4.20E-02
KPAC226	15	18	250	7460	0.74599999	0.025
KPAC226	18	19	150	6300	0.63	0.015
KPAC226	19	20	150	4180	0.41800001	0.015
KPAC226	20	21	60	4550	0.45500001	6.00E-03
KPAC226	21	22	60	3060	0.30599999	6.00E-03
KPAC226	22	23	90	10650	1.0650001	9.00E-03
KPAC226	23	24	100	9560	0.95599997	1.00E-02
KPAC226	24	25	130	10600	1.0599999	0.013
KPAC226	25	26	150	18150	1.8150001	0.015
KPAC226	26	27	240	26300	2.6300001	0.024
KPAC226	27	28	110	15200	1.52	0.011
KPAC226	28	29	210	9410	0.94099998	0.021
KPAC226	29	30	110	15150	1.515	0.011
KPAC226	30	31	110	35400	3.54	0.011
KPAC226	31	32	100	54000	5.4000001	1.00E-02
KPAC226	32	33	100	51800	5.1799998	1.00E-02
KPAC227	0	4	70	1020	0.102	7.00E-03
KPAC227	4	8	100	520	5.20E-02	1.00E-02
KPAC227	8	12	50	370	0.037	5.00E-03
KPAC227	12	16	70	480	0.048	7.00E-03
KPAC227	16	20	70	450	4.50E-02	7.00E-03
KPAC227	20	24	20	250	0.025	2.00E-03
KPAC227	24	28	100	550	0.055	1.00E-02
KPAC227	28	32	210	950	9.50E-02	0.021
KPAC227	32	36	440	2870	0.287	0.044
KPAC227	36	37	180	4050	0.405	1.80E-02
KPAC227	37	38	60	9490	0.949	6.00E-03
KPAC227	38	39	60	16600	1.66	6.00E-03
KPAC227	39	40	170	6930	0.69300002	1.70E-02
KPAC227	40	41	120	14100	1.41	0.012
KPAC227	41	42	90	5780	0.57800001	9.00E-03
KPAC227	42	46	110	2710	0.271	0.011
KPAC227	46	49	180	1430	0.14300001	1.80E-02
KPAC228	0	4	140	940	9.40E-02	0.014
KPAC228	4	8	100	1280	0.12800001	1.00E-02
KPAC228	8	12	90	2130	0.213	9.00E-03
KPAC228	12	16	-10	-10	-0.001	-0.001
KPAC228	16	20	10	260	2.60E-02	0.001
KPAC228	20	23	10	260	2.60E-02	0.001
KPAC228	23	26	20	380	3.80E-02	2.00E-03
KPAC229	0	4	230	950	9.50E-02	0.023
KPAC229	4	8	160	790	7.90E-02	1.60E-02
KPAC229	8	12	170	1240	0.124	1.70E-02
KPAC229	12	16	220	1410	0.141	0.022
KPAC229	16	20	110	1480	0.148	0.011
KPAC229	20	23	70	2070	0.207	7.00E-03
KPAC229	23	24	90	3590	0.359	9.00E-03
KPAC230	0	4	50	850	8.50E-02	5.00E-03
KPAC230	4	8	240	940	9.40E-02	0.024
KPAC230	8	12	160	1530	0.153	1.60E-02
KPAC230	12	16	430	1870	0.18700001	4.30E-02
KPAC230	16	20	170	1140	0.114	1.70E-02
KPAC230	20	24	110	1160	0.116	0.011
KPAC230	24	28	350	1700	0.17	0.035
KPAC230	28	32	50	1070	0.107	5.00E-03
KPAC230	32	35	210	2250	0.22499999	0.021
KPAC230	35	38	160	1610	0.161	1.60E-02
KPAC231	0	4	50	620	6.20E-02	5.00E-03
KPAC231	4	8	200	750	7.50E-02	0.02
KPAC231	8	12	230	920	0.092	0.023
KPAC231	12	16	270	1310	0.131	2.70E-02
KPAC231	16	20	230	1620	0.162	0.023

KPAC231	20	24	140	1030	0.103	0.014
KPAC231	24	28	210	1290	0.12899999	0.021
KPAC231	28	32	100	1280	0.12800001	1.00E-02
KPAC232	0	4	40	550	0.055	4.00E-03
KPAC232	8	12	160	1040	0.104	1.60E-02
KPAC232	12	16	130	1700	0.17	0.013
KPAC232	16	20	150	1970	0.197	0.015
KPAC232	20	24	80	1450	0.145	8.00E-03
KPAC232	24	28	80	1400	0.14	8.00E-03
KPAC232	28	32	110	1850	0.185	0.011
KPAC232	32	36	170	2860	0.28600001	1.70E-02
KPAC232	36	40	150	2110	0.211	0.015
KPAC232	40	42	120	1030	0.103	0.012
KPAC233	0	4	20	520	5.20E-02	2.00E-03
KPAC233	4	8	70	640	6.40E-02	7.00E-03
KPAC233	8	12	180	1150	0.115	1.80E-02
KPAC233	12	16	260	940	9.40E-02	2.60E-02
KPAC233	16	20	160	880	0.088	1.60E-02
KPAC233	20	24	200	2460	0.24600001	0.02
KPAC233	24	28	110	990	9.90E-02	0.011
KPAC233	28	32	230	1420	0.142	0.023
KPAC233	32	36	250	1600	0.16	0.025
KPAC233	36	39	180	1950	0.19499999	1.80E-02
KPAC233	39	42	110	2300	0.23	0.011
KPAC234	0	4	20	520	5.20E-02	2.00E-03
KPAC234	4	8	30	510	5.10E-02	0.003
KPAC234	8	12	100	630	6.30E-02	1.00E-02
KPAC234	12	16	440	1210	0.121	0.044
KPAC234	16	20	320	1500	0.15000001	3.20E-02
KPAC234	20	24	370	1890	0.189	0.037
KPAC234	24	28	310	1530	0.153	3.10E-02
KPAC234	28	32	100	1230	0.123	1.00E-02
KPAC234	32	36	100	1840	0.184	1.00E-02
KPAC234	36	40	100	1450	0.145	1.00E-02
KPAC234	40	44	120	2570	0.257	0.012
KPAC234	44	47	90	1710	0.171	9.00E-03
KPAC235	0	4	20	380	3.80E-02	2.00E-03
KPAC235	4	8	370	350	0.035	0.037
KPAC235	8	12	10	190	1.90E-02	0.001
KPAC235	12	16	160	630	6.30E-02	1.60E-02
KPAC235	16	20	470	1070	0.107	4.70E-02
KPAC235	20	24	600	1140	0.114	6.00E-02
KPAC235	24	28	360	1270	0.127	3.60E-02
KPAC235	28	32	260	950	9.50E-02	2.60E-02
KPAC235	32	36	460	1460	0.146	0.046
KPAC235	36	39	210	1090	0.109	0.021
KPAC235	39	42	220	1750	0.175	0.022
KPAC235	42	45	130	790	7.90E-02	0.013
KPAC236	0	4	30	270	2.70E-02	0.003
KPAC236	4	8	20	150	0.015	2.00E-03
KPAC236	8	12	20	40	4.00E-03	2.00E-03
KPAC236	12	16	70	100	1.00E-02	7.00E-03
KPAC236	16	20	120	200	0.02	0.012
KPAC236	20	24	360	360	3.60E-02	3.60E-02
KPAC236	24	28	270	380	3.80E-02	2.70E-02
KPAC236	28	32	140	630	6.30E-02	0.014
KPAC236	32	36	320	1970	0.197	3.20E-02
KPAC236	36	40	220	1370	0.13699999	0.022
KPAC236	40	43	130	990	9.90E-02	0.013
KPAC236	43	46	110	1030	0.103	0.011
KPAC237	0	4	30	290	2.90E-02	0.003
KPAC237	4	8	30	140	0.014	0.003
KPAC237	8	12	20	60	6.00E-03	2.00E-03

KPAC237	12	16	100	120	0.012	1.00E-02
KPAC237	16	20	210	130	0.013	0.021
KPAC237	20	24	250	160	1.60E-02	0.025
KPAC237	24	28	250	120	0.012	0.025
KPAC237	28	32	720	370	0.037	7.20E-02
KPAC237	32	35	610	690	6.90E-02	6.10E-02
KPAC237	35	38	330	2180	0.21799999	0.033
KPAC237	38	41	210	2170	0.21699999	0.021
KPAC238	0	4	330	1100	0.11	0.033
KPAC238	4	8	190	670	6.70E-02	1.90E-02
KPAC238	8	12	210	1110	0.111	0.021
KPAC238	12	16	210	980	9.80E-02	0.021
KPAC238	16	20	480	1440	0.14399999	0.048
KPAC238	20	21	490	3140	0.31400001	4.90E-02
KPAC238	21	22	1180	6090	0.60900003	0.118
KPAC238	22	23	2780	12200	1.22	0.278
KPAC238	23	24	3200	13000	1.3	0.31999999
KPAC238	24	25	1760	10700	1.0700001	0.176
KPAC238	25	26	2050	20300	2.03	0.205
KPAC238	26	28	2150	9630	0.963	0.215
KPAC238	28	29	1050	9520	0.95200002	0.105
KPAC238	29	30	1050	8110	0.81099999	0.105
KPAC238	30	31	960	13500	1.35	9.60E-02
KPAC238	31	32	1860	27600	2.76	0.186
KPAC238	32	33	660	56500	5.6500001	0.066
KPAC238	33	34	520	40600	4.0599999	5.20E-02
KPAC238	34	35	1170	28800	2.8800001	0.117
KPAC238	35	36	360	55400	5.54	3.60E-02
KPAC238	36	37	360	61500	6.1500001	3.60E-02
KPAC238	37	38	310	52400	5.2399998	3.10E-02
KPAC238	38	39	360	54200	5.4200001	3.60E-02
KPAC238	39	40	240	56100	5.6100001	0.024
KPAC238	40	41	250	46200	4.6199999	0.025
KPAC238	41	42	410	70600	7.0599999	4.10E-02
KPAC238	42	43	310	27600	2.76	3.10E-02
KPAC238	43	44	460	24100	2.4100001	0.046
KPAC238	44	45	240	16550	1.655	0.024
KPAC239	0	4	220	2000	0.2	0.022
KPAC239	4	8	60	1440	0.14399999	6.00E-03
KPAC239	8	12	50	1860	0.186	5.00E-03
KPAC239	12	16	120	2290	0.229	0.012
KPAC239	16	20	150	2760	0.27599999	0.015
KPAC239	20	24	50	1170	0.117	5.00E-03
KPAC239	24	28	40	940	9.40E-02	4.00E-03
KPAC239	28	32	40	1000	0.1	4.00E-03
KPAC239	32	36	60	870	8.70E-02	6.00E-03
KPAC239	36	40	70	850	8.50E-02	7.00E-03
KPAC239	40	44	180	2130	0.213	1.80E-02
KPAC239	44	46	150	3830	0.38299999	0.015
KPAC239	46	47	190	5300	0.52999997	1.90E-02
KPAC239	47	48	220	11600	1.16	0.022
KPAC239	48	49	220	12250	1.225	0.022
KPAC239	49	50	510	15150	1.515	5.10E-02
KPAC239	50	51	450	8240	0.824	4.50E-02
KPAC239	51	52	1230	2110	0.211	0.123
KPAC240	0	4	140	1140	0.114	0.014
KPAC240	4	8	40	670	6.70E-02	4.00E-03
KPAC240	8	12	130	1430	0.14300001	0.013
KPAC240	12	16	530	3320	0.33199999	5.30E-02
KPAC240	16	20	750	5220	0.52200001	7.50E-02
KPAC240	20	21	640	11350	1.135	6.40E-02
KPAC240	21	22	290	29800	2.98	2.90E-02
KPAC240	22	23	320	51500	5.1500001	3.20E-02

KPAC240	23	24	370	21800	2.1800001	0.037
KPAC240	24	25	390	14150	1.415	3.90E-02
KPAC240	25	29	560	19150	1.915	5.60E-02
KPAC240	29	32	570	11400	1.14	0.057
KPAC240	32	36	550	9150	0.91500002	0.055
KPAC240	36	39	540	8000	0.80000001	5.40E-02
KPAC240	39	40	460	6770	0.67699999	0.046
KPAC240	40	41	470	12700	1.27	4.70E-02
KPAC240	41	42	440	12250	1.225	0.044
KPAC240	42	43	440	10700	1.0700001	0.044
KPAC240	43	44	600	7770	0.77700001	6.00E-02
KPAC240	44	45	740	6050	0.60500002	7.40E-02
KPAC241	0	4	410	1350	0.13500001	4.10E-02
KPAC241	4	8	800	2610	0.26100001	8.00E-02
KPAC241	8	12	880	3280	0.32800001	0.088
KPAC241	12	16	230	2520	0.252	0.023
KPAC241	16	17	160	3460	0.34599999	1.60E-02
KPAC241	17	18	440	4820	0.48199999	0.044
KPAC241	18	19	380	5800	0.57999998	3.80E-02
KPAC241	19	20	470	5550	0.55500001	4.70E-02
KPAC241	20	21	230	3940	0.39399999	0.023
KPAC241	21	22	150	5290	0.52899998	0.015
KPAC241	22	23	150	6390	0.639	0.015
KPAC241	23	24	410	7280	0.72799999	4.10E-02
KPAC241	24	28	330	6240	0.62400001	0.033
KPAC241	28	32	350	2910	0.29100001	0.035
KPAC241	32	33	360	5120	0.51200002	3.60E-02
KPAC241	33	34	270	19150	1.915	2.70E-02
KPAC241	34	35	420	4950	0.495	4.20E-02
KPAC241	35	36	200	3870	0.38699999	0.02
KPAC241	36	37	390	11000	1.1	3.90E-02
KPAC241	37	38	640	9410	0.94099998	6.40E-02
KPAC241	38	39	200	6930	0.69300002	0.02
KPAC241	39	43	70	1830	0.183	7.00E-03
KPAC241	43	47	60	1410	0.141	6.00E-03
KPAC241	47	51	470	1540	0.154	4.70E-02
KPAC241	51	55	400	880	0.088	4.00E-02
KPAC241	55	59	370	480	0.048	0.037
KPAC241	59	62	210	260	2.60E-02	0.021
KPAC241	62	64	140	170	1.70E-02	0.014
KPAC242	0	4	210	1080	0.108	0.021
KPAC242	4	8	170	1170	0.117	1.70E-02
KPAC242	8	12	60	1090	0.109	6.00E-03
KPAC242	12	16	20	600	6.00E-02	2.00E-03
KPAC242	16	20	40	820	8.20E-02	4.00E-03
KPAC242	20	24	40	1380	0.138	4.00E-03
KPAC242	24	28	80	2160	0.21600001	8.00E-03
KPAC242	28	29	50	16900	1.6900001	5.00E-03
KPAC242	29	30	40	13200	1.3200001	4.00E-03
KPAC242	30	31	60	9310	0.93099999	6.00E-03
KPAC242	31	32	40	3490	0.34900001	4.00E-03
KPAC242	32	33	80	11500	1.15	8.00E-03
KPAC242	33	34	120	3560	0.35600001	0.012
KPAC242	34	35	90	6100	0.61000001	9.00E-03
KPAC242	35	36	80	41600	4.1599998	8.00E-03
KPAC242	36	37	50	88100	8.8100004	5.00E-03
KPAC242	37	38	70	43000	4.3000002	7.00E-03
KPAC242	38	39	50	62400	6.2399998	5.00E-03
KPAC242	39	40	60	59700	5.9699998	6.00E-03
KPAC243	0	4	50	1030	0.103	5.00E-03
KPAC243	4	8	200	920	0.092	0.02
KPAC243	8	12	70	900	9.00E-02	7.00E-03
KPAC243	12	16	80	1500	0.15000001	8.00E-03

KPAC243	16	20	100	2080	0.208	1.00E-02
KPAC243	20	24	110	1600	0.16	0.011
KPAC243	24	25	50	3580	0.35800001	5.00E-03
KPAC243	25	26	40	2500	0.25	4.00E-03
KPAC243	26	29	60	2010	0.20100001	6.00E-03
KPAC243	29	30	60	2870	0.287	6.00E-03
KPAC243	30	31	30	6720	0.67199999	0.003
KPAC243	31	32	80	4510	0.45100001	8.00E-03
KPAC243	32	33	30	1920	0.192	0.003
KPAC243	33	34	30	2430	0.243	0.003
KPAC243	34	35	50	8790	0.87900001	5.00E-03
KPAC243	35	36	50	8610	0.861	5.00E-03
KPAC243	36	37	30	4240	0.42399999	0.003
KPAC243	37	38	50	16300	1.63	5.00E-03
KPAC243	38	39	20	17300	1.73	2.00E-03
KPAC243	39	40	20	10300	1.03	2.00E-03
KPAC243	40	41	40	13100	1.3099999	4.00E-03
KPAC243	41	42	50	17100	1.71	5.00E-03
KPAC243	42	43	40	8030	0.80299997	4.00E-03
KPAC243	43	44	40	11900	1.1900001	4.00E-03
KPAC243	44	45	50	13200	1.3200001	5.00E-03
KPAC243	45	46	50	25000	2.5	5.00E-03
KPAC243	46	47	60	35100	3.51	6.00E-03
KPAC243	47	48	50	34000	3.4000001	5.00E-03
KPAC243	48	49	40	20100	2.01	4.00E-03
KPAC243	49	50	50	21000	2.0999999	5.00E-03
KPAC243	50	51	70	13600	1.36	7.00E-03
KPAC243	51	52	60	9790	0.97899997	6.00E-03
KPAC243	52	53	80	4790	0.479	8.00E-03
KPAC243	53	54	70	4840	0.484	7.00E-03
KPAC244	0	4	60	1000	0.1	6.00E-03
KPAC244	4	8	110	1220	0.122	0.011
KPAC244	8	12	60	850	8.50E-02	6.00E-03
KPAC244	12	16	110	980	9.80E-02	0.011
KPAC244	16	20	70	1000	0.1	7.00E-03
KPAC244	20	24	110	1270	0.127	0.011
KPAC244	24	28	110	1230	0.123	0.011
KPAC244	28	32	140	1440	0.14399999	0.014
KPAC244	32	36	140	950	9.50E-02	0.014
KPAC244	36	40	250	1530	0.153	0.025
KPAC244	40	44	120	1410	0.141	0.012
KPAC244	44	48	170	1300	0.13	1.70E-02
KPAC244	48	51	90	1150	0.115	9.00E-03
KPAC244	51	54	50	730	7.30E-02	5.00E-03
KPAC244	54	57	40	1130	0.113	4.00E-03
KPAC245	0	4	20	670	6.70E-02	2.00E-03
KPAC245	4	8	140	790	7.90E-02	0.014
KPAC245	8	12	120	710	7.10E-02	0.012
KPAC245	12	16	240	1260	0.126	0.024
KPAC245	16	20	180	1020	0.102	1.80E-02
KPAC245	20	24	140	740	7.40E-02	0.014
KPAC245	24	28	170	890	8.90E-02	1.70E-02
KPAC245	28	32	260	1040	0.104	2.60E-02
KPAC245	32	36	340	1250	0.125	3.40E-02
KPAC245	36	40	200	1020	0.102	0.02
KPAC245	40	44	250	1770	0.177	0.025
KPAC245	44	48	130	1730	0.17299999	0.013
KPAC245	48	52	120	1100	0.11	0.012
KPAC245	52	56	160	1360	0.13600001	1.60E-02
KPAC245	56	59	120	930	9.30E-02	0.012
KPAC246	0	4	30	630	6.30E-02	0.003
KPAC246	4	8	70	590	0.059	7.00E-03
KPAC246	8	12	150	550	0.055	0.015

KPAC246	12	16	250	1160	0.116	0.025
KPAC246	16	20	270	1340	0.134	2.70E-02
KPAC246	20	24	320	1010	0.101	3.20E-02
KPAC246	24	28	100	810	0.081	1.00E-02
KPAC246	28	32	100	860	8.60E-02	1.00E-02
KPAC246	32	36	70	930	9.30E-02	7.00E-03
KPAC246	36	39	100	1400	0.14	1.00E-02
KPAC246	39	42	110	1170	0.117	0.011
KPAC247	0	4	30	530	5.30E-02	0.003
KPAC247	4	8	30	320	3.20E-02	0.003
KPAC247	8	12	10	350	0.035	0.001
KPAC247	12	16	190	390	3.90E-02	1.90E-02
KPAC247	16	20	140	370	0.037	0.014
KPAC247	20	24	230	680	6.80E-02	0.023
KPAC247	24	28	400	2080	0.208	4.00E-02
KPAC247	28	32	580	1310	0.131	5.80E-02
KPAC247	32	36	190	1140	0.114	1.90E-02
KPAC247	36	40	120	1740	0.17399999	0.012
KPAC247	40	44	130	1830	0.183	0.013
KPAC247	44	48	60	850	8.50E-02	6.00E-03
KPAC248	0	4	10	340	3.40E-02	0.001
KPAC248	4	8	10	310	3.10E-02	0.001
KPAC248	8	12	-10	170	1.70E-02	-0.001
KPAC248	12	16	80	240	0.024	8.00E-03
KPAC248	16	20	180	350	0.035	1.80E-02
KPAC248	20	24	120	290	2.90E-02	0.012
KPAC248	24	28	120	280	2.80E-02	0.012
KPAC248	28	32	200	410	4.10E-02	0.02
KPAC248	32	36	180	960	9.60E-02	1.80E-02
KPAC248	36	40	10	190	1.90E-02	0.001
KPAC248	40	44	180	1520	0.152	1.80E-02
KPAC248	44	48	150	1410	0.141	0.015
KPAC248	48	51	180	1550	0.155	1.80E-02
KPAC249	0	4	20	310	3.10E-02	2.00E-03
KPAC249	4	8	10	230	0.023	0.001
KPAC249	8	12	10	50	5.00E-03	0.001
KPAC249	12	16	30	70	7.00E-03	0.003
KPAC249	16	20	140	90	9.00E-03	0.014
KPAC249	20	24	190	150	0.015	1.90E-02
KPAC249	24	28	190	110	0.011	1.90E-02
KPAC249	28	32	290	170	1.70E-02	2.90E-02
KPAC249	32	36	340	330	0.033	3.40E-02
KPAC249	36	39	750	1040	0.104	7.50E-02
KPAC250	0	4	110	1100	0.11	0.011
KPAC250	4	8	110	1020	0.102	0.011
KPAC250	8	12	90	540	5.40E-02	9.00E-03
KPAC250	12	16	180	1840	0.184	1.80E-02
KPAC250	16	20	150	1420	0.142	0.015
KPAC250	20	24	120	1190	0.119	0.012
KPAC250	24	28	190	2050	0.205	1.90E-02
KPAC250	28	32	170	1540	0.154	1.70E-02
KPAC250	32	36	130	2250	0.22499999	0.013
KPAC250	36	40	80	1830	0.183	8.00E-03
KPAC251	0	4	50	920	0.092	5.00E-03
KPAC251	4	8	70	640	6.40E-02	7.00E-03
KPAC251	8	12	20	300	3.00E-02	2.00E-03
KPAC251	12	16	90	720	7.20E-02	9.00E-03
KPAC251	16	20	320	1540	0.154	3.20E-02
KPAC251	20	24	150	790	7.90E-02	0.015
KPAC251	24	28	440	1660	0.16599999	0.044
KPAC251	28	32	160	1140	0.114	1.60E-02
KPAC251	32	36	120	1020	0.102	0.012
KPAC251	36	40	170	1430	0.14300001	1.70E-02

KPAC251	40	44	200	1380	0.138	0.02
KPAC251	44	48	60	930	9.30E-02	6.00E-03
KPAC251	48	51	90	1040	0.104	9.00E-03
KPAC252	0	4	30	800	8.00E-02	0.003
KPAC252	4	8	40	540	5.40E-02	4.00E-03
KPAC252	8	12	20	220	0.022	2.00E-03
KPAC252	12	16	80	310	3.10E-02	8.00E-03
KPAC252	16	20	150	480	0.048	0.015
KPAC252	20	24	260	1480	0.148	2.60E-02
KPAC252	24	28	240	1560	0.156	0.024
KPAC252	28	32	170	1270	0.127	1.70E-02
KPAC252	32	36	70	1140	0.114	7.00E-03
KPAC252	36	40	110	1860	0.186	0.011
KPAC252	40	44	120	1680	0.168	0.012
KPAC252	44	47	110	1660	0.16599999	0.011
KPAC253	0	4	10	240	0.024	0.001
KPAC253	4	8	20	100	1.00E-02	2.00E-03
KPAC253	8	12	230	100	1.00E-02	0.023
KPAC253	12	16	150	60	6.00E-03	0.015
KPAC253	16	20	400	120	0.012	4.00E-02
KPAC253	20	24	190	110	0.011	1.90E-02
KPAC253	24	28	190	110	0.011	1.90E-02
KPAC253	28	32	170	80	8.00E-03	1.70E-02
KPAC253	32	35	170	590	0.059	1.70E-02
KPAC253	35	38	160	1020	0.102	1.60E-02
KPAC254	0	4	10	200	0.02	0.001
KPAC254	4	8	10	120	0.012	0.001
KPAC254	8	12	80	160	1.60E-02	8.00E-03
KPAC254	12	16	50	200	0.02	5.00E-03
KPAC254	16	20	30	240	0.024	0.003
KPAC254	20	24	40	200	0.02	4.00E-03
KPAC254	24	28	30	140	0.014	0.003
KPAC254	28	32	30	280	2.80E-02	0.003
KPAC254	32	36	60	400	4.00E-02	6.00E-03
KPAC254	36	40	110	540	5.40E-02	0.011
KPAC254	40	43	90	350	0.035	9.00E-03
KPAC255	0	4	20	610	6.10E-02	2.00E-03
KPAC255	4	8	10	450	4.50E-02	0.001
KPAC255	8	12	80	130	0.013	8.00E-03
KPAC255	12	16	20	250	0.025	2.00E-03
KPAC255	16	20	120	350	0.035	0.012
KPAC255	20	24	170	430	4.30E-02	1.70E-02
KPAC255	24	28	170	800	8.00E-02	1.70E-02
KPAC255	28	32	100	610	6.10E-02	1.00E-02
KPAC255	32	36	90	610	6.10E-02	9.00E-03
KPAC256	0	4	10	420	4.20E-02	0.001
KPAC256	4	8	10	320	3.20E-02	0.001
KPAC256	8	12	10	120	0.012	0.001
KPAC256	12	16	30	180	1.80E-02	0.003
KPAC256	16	20	60	250	0.025	6.00E-03
KPAC256	20	24	180	330	0.033	1.80E-02
KPAC256	24	28	120	220	0.022	0.012
KPAC256	28	32	120	200	0.02	0.012
KPAC256	32	36	220	300	3.00E-02	0.022
KPAC256	36	40	160	380	3.80E-02	1.60E-02
KPAC256	40	43	120	1180	0.118	0.012
KPAC256	43	45	90	640	6.40E-02	9.00E-03
KPAC257	0	4	20	380	3.80E-02	2.00E-03
KPAC257	4	8	110	870	8.70E-02	0.011
KPAC257	8	12	10	80	8.00E-03	0.001
KPAC257	12	16	50	90	9.00E-03	5.00E-03
KPAC257	16	20	140	120	0.012	0.014
KPAC257	20	24	280	250	0.025	2.80E-02

KPAC257	24	28	320	270	2.70E-02	3.20E-02
KPAC257	28	32	260	270	2.70E-02	2.60E-02
KPAC257	32	36	450	460	0.046	4.50E-02
KPAC257	36	39	440	720	7.20E-02	0.044
KPAC257	39	42	140	860	8.60E-02	0.014
KPAC258	0	4	410	1100	0.11	4.10E-02
KPAC258	4	8	160	720	7.20E-02	1.60E-02
KPAC258	8	12	30	480	0.048	0.003
KPAC258	12	16	20	330	0.033	2.00E-03
KPAC258	16	20	40	830	8.30E-02	4.00E-03
KPAC258	20	24	100	810	0.081	1.00E-02
KPAC258	24	27	580	1390	0.139	5.80E-02
KPAC258	27	30	470	1470	0.147	4.70E-02
KPAC258	30	33	320	1010	0.101	3.20E-02
KPAC259	0	4	270	1000	0.1	2.70E-02
KPAC259	4	8	40	26500	2.6500001	4.00E-03
KPAC259	8	12	600	1780	0.178	6.00E-02
KPAC259	12	16	210	1130	0.113	0.021
KPAC259	16	20	220	2110	0.211	0.022
KPAC259	20	23	380	1190	0.119	3.80E-02
KPAC260	0	4	190	660	0.066	1.90E-02
KPAC260	4	8	180	370	0.037	1.80E-02
KPAC260	8	12	120	530	5.30E-02	0.012
KPAC260	12	16	90	640	6.40E-02	9.00E-03
KPAC260	16	20	100	550	0.055	1.00E-02
KPAC260	20	24	80	390	3.90E-02	8.00E-03
KPAC260	24	27	80	330	0.033	8.00E-03
KPAC260	27	30	80	440	0.044	8.00E-03
KPAC260	30	33	80	630	6.30E-02	8.00E-03
KPAC261	0	4	50	490	4.90E-02	5.00E-03
KPAC261	4	8	260	490	4.90E-02	2.60E-02
KPAC261	8	12	210	470	4.70E-02	0.021
KPAC261	12	16	110	160	1.60E-02	0.011
KPAC261	16	20	10	250	0.025	0.001
KPAC261	20	24	110	170	1.70E-02	0.011
KPAC261	24	27	100	360	3.60E-02	1.00E-02
KPAC261	27	30	110	850	8.50E-02	0.011
KPAC262	0	4	30	380	3.80E-02	0.003
KPAC262	4	8	50	310	3.10E-02	5.00E-03
KPAC262	8	12	90	330	0.033	9.00E-03
KPAC262	12	16	80	410	4.10E-02	8.00E-03
KPAC262	16	20	50	360	3.60E-02	5.00E-03
KPAC262	20	24	80	490	4.90E-02	8.00E-03
KPAC262	24	27	140	590	0.059	0.014
KPAC262	27	30	230	1230	0.123	0.023
KPAC263	0	4	30	290	2.90E-02	0.003
KPAC263	4	8	50	290	2.90E-02	5.00E-03
KPAC263	8	12	80	360	3.60E-02	8.00E-03
KPAC263	12	16	50	350	0.035	5.00E-03
KPAC263	16	20	30	320	3.20E-02	0.003
KPAC263	20	24	40	360	3.60E-02	4.00E-03
KPAC263	24	28	30	320	3.20E-02	0.003
KPAC263	28	32	40	360	3.60E-02	4.00E-03
KPAC263	32	36	30	450	4.50E-02	0.003
KPAC263	36	40	40	540	5.40E-02	4.00E-03
KPAC263	40	44	30	440	0.044	0.003
KPAC263	44	48	20	210	0.021	2.00E-03
KPAC264	0	4	20	630	6.30E-02	2.00E-03
KPAC264	4	8	20	270	2.70E-02	2.00E-03
KPAC264	8	12	130	420	4.20E-02	0.013
KPAC264	12	16	50	520	5.20E-02	5.00E-03
KPAC264	16	20	80	900	9.00E-02	8.00E-03
KPAC264	20	24	50	420	4.20E-02	5.00E-03

KPAC264	24	28	40	140	0.014	4.00E-03
KPAC264	28	32	40	170	1.70E-02	4.00E-03
KPAC264	32	36	50	410	4.10E-02	5.00E-03
KPAC264	36	40	40	600	6.00E-02	4.00E-03
KPAC264	40	44	40	510	5.10E-02	4.00E-03
KPAC264	44	47	40	670	6.70E-02	4.00E-03
KPAC265	0	4	20	280	2.80E-02	2.00E-03
KPAC265	4	8	40	510	5.10E-02	4.00E-03
KPAC265	8	12	120	860	8.60E-02	0.012
KPAC265	12	16	400	2320	0.23199999	4.00E-02
KPAC265	16	20	140	1430	0.14300001	0.014
KPAC265	20	24	70	1500	0.15000001	7.00E-03
KPAC265	24	28	50	1230	0.123	5.00E-03
KPAC265	28	32	80	1650	0.16500001	8.00E-03
KPAC265	32	36	80	580	5.80E-02	8.00E-03
KPAC265	36	40	60	1340	0.134	6.00E-03
KPAC265	40	43	50	810	0.081	5.00E-03
KPAC265	43	45	50	780	7.80E-02	5.00E-03
KPAC266	0	4	20	240	0.024	2.00E-03
KPAC266	4	8	10	220	0.022	0.001
KPAC266	8	12	30	310	3.10E-02	0.003
KPAC266	12	16	70	790	7.90E-02	7.00E-03
KPAC266	16	20	270	890	8.90E-02	2.70E-02
KPAC266	20	24	380	990	9.90E-02	3.80E-02
KPAC266	24	28	350	1320	0.132	0.035
KPAC266	28	32	410	710	7.10E-02	4.10E-02
KPAC266	32	36	250	1230	0.123	0.025
KPAC266	36	40	100	1180	0.118	1.00E-02
KPAC266	40	44	110	3800	0.38	0.011
KPAC266	44	46	70	2450	0.245	7.00E-03
KPAC266	46	47	70	2560	0.25600001	7.00E-03
KPAC266	47	48	70	2990	0.29899999	7.00E-03
KPAC266	48	52	30	510	5.10E-02	0.003
KPAC267	0	4	10	180	1.80E-02	0.001
KPAC267	4	8	10	170	1.70E-02	0.001
KPAC267	8	12	20	150	0.015	2.00E-03
KPAC267	12	16	-10	60	6.00E-03	-0.001
KPAC267	16	20	10	200	0.02	0.001
KPAC267	20	24	60	250	0.025	6.00E-03
KPAC267	24	28	260	550	0.055	2.60E-02
KPAC267	28	32	500	770	0.077	5.00E-02
KPAC267	32	36	230	850	8.50E-02	0.023
KPAC267	36	40	430	1120	0.112	4.30E-02
KPAC267	40	44	170	870	8.70E-02	1.70E-02
KPAC267	44	48	110	490	4.90E-02	0.011
KPAC267	48	52	90	1420	0.142	9.00E-03
KPAC267	52	55	70	720	7.20E-02	7.00E-03
KPAC268	0	4	10	150	0.015	0.001
KPAC268	4	8	10	170	1.70E-02	0.001
KPAC268	8	12	20	480	0.048	2.00E-03
KPAC268	12	16	10	400	4.00E-02	0.001
KPAC268	16	20	60	480	0.048	6.00E-03
KPAC268	20	24	50	440	0.044	5.00E-03
KPAC268	24	28	530	500	5.00E-02	5.30E-02
KPAC268	28	32	420	450	4.50E-02	4.20E-02
KPAC268	32	36	520	650	6.50E-02	5.20E-02
KPAC268	36	40	260	360	3.60E-02	2.60E-02
KPAC268	40	44	320	740	7.40E-02	3.20E-02
KPAC268	44	48	310	830	8.30E-02	3.10E-02
KPAC268	48	51	260	760	7.60E-02	2.60E-02
KPAC269	0	4	50	210	0.021	5.00E-03
KPAC269	4	8	30	230	0.023	0.003
KPAC269	8	12	30	410	4.10E-02	0.003

KPAC269	12	16	50	420	4.20E-02	5.00E-03
KPAC269	16	20	70	630	6.30E-02	7.00E-03
KPAC269	20	24	230	580	5.80E-02	0.023
KPAC269	24	28	260	530	5.30E-02	2.60E-02
KPAC269	28	32	200	310	3.10E-02	0.02
KPAC269	32	36	220	260	2.60E-02	0.022
KPAC269	36	40	230	280	2.80E-02	0.023
KPAC269	40	44	430	850	8.50E-02	4.30E-02
KPAC269	44	48	430	1100	0.11	4.30E-02
KPAC269	48	51	140	510	5.10E-02	0.014
KPAC270	0	4	10	170	1.70E-02	0.001
KPAC270	4	8	30	200	0.02	0.003
KPAC270	8	12	10	230	0.023	0.001
KPAC270	12	16	50	330	0.033	5.00E-03
KPAC270	16	20	110	330	0.033	0.011
KPAC270	20	24	180	430	4.30E-02	1.80E-02
KPAC270	24	28	260	530	5.30E-02	2.60E-02
KPAC270	28	32	250	490	4.90E-02	0.025
KPAC270	32	36	380	570	0.057	3.80E-02
KPAC270	36	39	370	590	0.059	0.037
KPAC271	0	4	100	230	0.023	1.00E-02
KPAC271	4	8	40	150	0.015	4.00E-03
KPAC271	8	12	40	240	0.024	4.00E-03
KPAC271	12	16	20	290	2.90E-02	2.00E-03
KPAC271	16	20	40	320	3.20E-02	4.00E-03
KPAC271	20	24	210	490	4.90E-02	0.021
KPAC271	24	28	100	530	5.30E-02	1.00E-02
KPAC271	28	32	100	410	4.10E-02	1.00E-02
KPAC272	0	4	10	100	1.00E-02	0.001
KPAC272	4	8	10	120	0.012	0.001
KPAC272	8	12	-10	170	1.70E-02	-0.001
KPAC272	12	16	10	150	0.015	0.001
KPAC272	16	20	70	220	0.022	7.00E-03
KPAC272	20	24	-10	80	8.00E-03	-0.001
KPAC272	24	26	-10	130	0.013	-0.001
KPAC272	26	28	-10	130	0.013	-0.001
KPAC272	28	32	20	380	3.80E-02	2.00E-03
KPAC272	32	36	90	460	0.046	9.00E-03
KPAC273	0	4	-10	110	0.011	-0.001
KPAC273	4	8	-10	110	0.011	-0.001
KPAC273	8	12	20	130	0.013	2.00E-03
KPAC273	12	16	10	200	0.02	0.001
KPAC273	16	20	10	200	0.02	0.001
KPAC273	20	24	-10	70	7.00E-03	-0.001
KPAC273	24	28	-10	150	0.015	-0.001
KPAC273	28	32	50	250	0.025	5.00E-03
KPAC273	32	36	20	140	0.014	2.00E-03
KPAC273	36	40	40	200	0.02	4.00E-03
KPAC273	40	44	40	170	1.70E-02	4.00E-03
KPAC273	44	48	340	910	9.10E-02	3.40E-02
KPAC274	0	4	270	1120	0.112	2.70E-02
KPAC274	4	8	1090	1550	0.155	0.109
KPAC274	8	12	800	2120	0.212	8.00E-02
KPAC274	12	16	730	1460	0.146	7.30E-02
KPAC274	16	20	3890	2690	0.26899999	0.389
KPAC274	20	24	1620	2210	0.221	0.162
KPAC274	24	28	300	1520	0.152	3.00E-02
KPAC274	28	32	1360	1770	0.177	0.13600001
KPAC274	32	36	540	760	7.60E-02	5.40E-02
KPAC274	36	40	80	570	0.057	8.00E-03
KPAC274	40	44	40	120	0.012	4.00E-03
KPAC274	44	47	240	320	3.20E-02	0.024
KPAC275	0	4	360	900	9.00E-02	3.60E-02

KPAC275	4	8	440	710	7.10E-02	0.044
KPAC275	8	12	480	680	6.80E-02	0.048
KPAC275	12	16	80	670	6.70E-02	8.00E-03
KPAC275	16	20	70	520	5.20E-02	7.00E-03
KPAC275	20	24	30	340	3.40E-02	0.003
KPAC275	24	28	20	290	2.90E-02	2.00E-03
KPAC275	28	32	60	560	5.60E-02	6.00E-03
KPAC275	32	36	50	880	0.088	5.00E-03
KPAC275	36	40	30	640	6.40E-02	0.003
KPAC275	40	44	50	1430	0.14300001	5.00E-03
KPAC275	44	48	30	970	9.70E-02	0.003
KPAC275	48	52	30	720	7.20E-02	0.003
KPAC276	0	4	50	490	4.90E-02	5.00E-03
KPAC276	4	8	130	470	4.70E-02	0.013
KPAC276	8	12	80	370	0.037	8.00E-03
KPAC276	12	16	30	340	3.40E-02	0.003
KPAC276	16	20	30	420	4.20E-02	0.003
KPAC276	20	24	30	400	4.00E-02	0.003
KPAC276	24	28	30	450	4.50E-02	0.003
KPAC276	28	32	30	770	0.077	0.003
KPAC276	32	36	40	730	7.30E-02	4.00E-03
KPAC276	36	40	60	1040	0.104	6.00E-03
KPAC276	40	44	30	690	6.90E-02	0.003
KPAC277	0	4	10	330	0.033	0.001
KPAC277	4	8	180	510	5.10E-02	1.80E-02
KPAC277	8	12	180	1600	0.16	1.80E-02
KPAC277	12	16	80	1370	0.13699999	8.00E-03
KPAC277	16	20	40	1170	0.117	4.00E-03
KPAC277	20	24	60	1000	0.1	6.00E-03
KPAC277	24	28	40	990	9.90E-02	4.00E-03
KPAC277	28	32	40	650	6.50E-02	4.00E-03
KPAC277	32	36	60	1510	0.15099999	6.00E-03
KPAC277	36	40	40	600	6.00E-02	4.00E-03
KPAC277	40	44	40	670	6.70E-02	4.00E-03
KPAC277	44	48	40	610	6.10E-02	4.00E-03
KPAC278	0	4	10	270	2.70E-02	0.001
KPAC278	4	8	20	230	0.023	2.00E-03
KPAC278	8	12	20	360	3.60E-02	2.00E-03
KPAC278	12	16	60	1070	0.107	6.00E-03
KPAC278	16	20	310	510	5.10E-02	3.10E-02
KPAC278	20	24	330	410	4.10E-02	0.033
KPAC278	24	28	350	810	0.081	0.035
KPAC278	28	32	250	1490	0.149	0.025
KPAC278	32	36	190	1740	0.17399999	1.90E-02
KPAC278	36	40	90	1170	0.117	9.00E-03
KPAC278	40	44	70	1310	0.131	7.00E-03
KPAC278	44	48	60	1590	0.15899999	6.00E-03
KPAC278	48	52	60	1380	0.138	6.00E-03
KPAC278	52	56	50	1560	0.156	5.00E-03
KPAC279	0	4	20	210	0.021	2.00E-03
KPAC279	4	8	20	190	1.90E-02	2.00E-03
KPAC279	8	12	30	260	2.60E-02	0.003
KPAC279	12	16	20	140	0.014	2.00E-03
KPAC279	16	20	10	80	8.00E-03	0.001
KPAC279	20	24	20	90	9.00E-03	2.00E-03
KPAC279	24	28	60	110	0.011	6.00E-03
KPAC279	28	32	70	120	0.012	7.00E-03
KPAC279	32	36	200	350	0.035	0.02
KPAC279	36	40	220	470	4.70E-02	0.022
KPAC279	40	44	150	430	4.30E-02	0.015
KPAC279	44	48	180	510	5.10E-02	1.80E-02
KPAC279	48	52	200	1550	0.155	0.02
KPAC279	52	55	200	1180	0.118	0.02

KPAC279	55	58	140	650	6.50E-02	0.014
KPAC280	0	4	10	140	0.014	0.001
KPAC280	4	8	30	200	0.02	0.003
KPAC280	8	12	20	200	0.02	2.00E-03
KPAC280	12	16	10	190	1.90E-02	0.001
KPAC280	16	20	80	260	2.60E-02	8.00E-03
KPAC280	20	24	90	250	0.025	9.00E-03
KPAC280	24	28	250	730	7.30E-02	0.025
KPAC280	28	32	90	250	0.025	9.00E-03
KPAC280	32	36	160	530	5.30E-02	1.60E-02
KPAC280	36	39	110	640	6.40E-02	0.011
KPAC280	39	42	-10	1600	0.16	-0.001
KPAC281	0	4	20	110	0.011	2.00E-03
KPAC281	4	8	20	70	7.00E-03	2.00E-03
KPAC281	8	12	30	50	5.00E-03	0.003
KPAC281	12	16	10	40	4.00E-03	0.001
KPAC281	16	20	20	90	9.00E-03	2.00E-03
KPAC281	20	24	10	70	7.00E-03	0.001
KPAC281	24	28	100	160	1.60E-02	1.00E-02
KPAC281	28	30	80	170	1.70E-02	8.00E-03
KPAC282	0	4	-10	30	0.003	-0.001
KPAC282	4	8	10	80	8.00E-03	0.001
KPAC282	8	12	20	140	0.014	2.00E-03
KPAC282	12	16	150	230	0.023	0.015
KPAC282	16	20	280	150	0.015	2.80E-02
KPAC282	20	24	400	430	4.30E-02	4.00E-02
KPAC282	24	28	830	470	4.70E-02	8.30E-02
KPAC282	28	32	120	480	0.048	0.012
KPAC282	32	36	340	550	0.055	3.40E-02
KPAC282	36	40	380	760	7.60E-02	3.80E-02
KPAC282	40	44	140	660	0.066	0.014
KPAC282	44	46	80	420	4.20E-02	8.00E-03
KPAC282	46	48	50	360	3.60E-02	5.00E-03
KPAC282	48	51	130	670	6.70E-02	0.013
KPAC283	0	4	10	70	7.00E-03	0.001
KPAC283	4	8	10	230	0.023	0.001
KPAC283	8	12	10	380	3.80E-02	0.001
KPAC283	12	16	30	510	5.10E-02	0.003
KPAC283	16	20	60	470	4.70E-02	6.00E-03
KPAC283	20	24	70	400	4.00E-02	7.00E-03
KPAC283	24	27	90	290	2.90E-02	9.00E-03
KPAC284	0	4	20	120	0.012	2.00E-03
KPAC284	4	8	20	230	0.023	2.00E-03
KPAC284	8	12	50	350	0.035	5.00E-03
KPAC284	12	16	20	330	0.033	2.00E-03
KPAC284	16	20	60	270	2.70E-02	6.00E-03
KPAC284	20	24	60	170	1.70E-02	6.00E-03
KPAC285	0	4	20	70	7.00E-03	2.00E-03
KPAC285	4	8	20	110	0.011	2.00E-03
KPAC285	8	12	30	60	6.00E-03	0.003
KPAC285	12	16	30	30	0.003	0.003
KPAC285	16	19	30	270	2.70E-02	0.003
KPAC285	19	21	40	130	0.013	4.00E-03
KPAC286	0	4	10	70	7.00E-03	0.001
KPAC286	4	8	20	70	7.00E-03	2.00E-03
KPAC286	8	12	20	40	4.00E-03	2.00E-03
KPAC286	12	16	10	80	8.00E-03	0.001
KPAC286	16	19	40	50	5.00E-03	4.00E-03
KPAC286	19	22	80	170	1.70E-02	8.00E-03
KPAC287	0	4	120	1040	0.104	0.012
KPAC287	4	8	150	1010	0.101	0.015
KPAC287	8	12	60	700	0.07	6.00E-03
KPAC287	12	16	50	800	8.00E-02	5.00E-03

KPAC287	16	20	270	1600	0.16	2.70E-02
KPAC287	20	24	30	70	7.00E-03	0.003
KPAC287	24	28	20	20	2.00E-03	2.00E-03
KPAC287	28	32	30	20	2.00E-03	0.003
KPAC288	0	4	90	990	9.90E-02	9.00E-03
KPAC288	4	8	190	1060	0.106	1.90E-02
KPAC288	8	12	60	610	6.10E-02	6.00E-03
KPAC288	12	16	20	670	6.70E-02	2.00E-03
KPAC288	16	20	30	230	0.023	0.003
KPAC288	20	24	190	1030	0.103	1.90E-02
KPAC288	24	27	20	40	4.00E-03	2.00E-03
KPAC288	27	30	20	20	2.00E-03	2.00E-03
KPAC288	30	33	30	20	2.00E-03	0.003
KPAC289	0	4	40	830	8.30E-02	4.00E-03
KPAC289	4	8	170	900	9.00E-02	1.70E-02
KPAC289	8	12	50	420	4.20E-02	5.00E-03
KPAC289	12	16	40	580	5.80E-02	4.00E-03
KPAC289	16	20	40	600	6.00E-02	4.00E-03
KPAC289	20	24	40	460	0.046	4.00E-03
KPAC289	24	28	70	580	5.80E-02	7.00E-03
KPAC289	28	32	60	570	0.057	6.00E-03
KPAC289	32	36	50	640	6.40E-02	5.00E-03
KPAC289	36	40	40	170	1.70E-02	4.00E-03
KPAC289	40	44	30	30	0.003	0.003
KPAC289	44	48	30	20	2.00E-03	0.003
KPAC290	0	4	50	660	0.066	5.00E-03
KPAC290	4	8	210	780	7.80E-02	0.021
KPAC290	8	12	110	660	0.066	0.011
KPAC290	12	16	140	350	0.035	0.014
KPAC290	16	20	320	1020	0.102	3.20E-02
KPAC290	20	24	240	1120	0.112	0.024
KPAC290	24	28	30	90	9.00E-03	0.003
KPAC290	28	32	190	970	9.70E-02	1.90E-02
KPAC290	32	36	140	690	6.90E-02	0.014
KPAC290	36	40	100	860	8.60E-02	1.00E-02
KPAC290	40	44	120	810	0.081	0.012
KPAC291	0	4	30	580	5.80E-02	0.003
KPAC291	4	8	40	580	5.80E-02	4.00E-03
KPAC291	8	12	110	650	6.50E-02	0.011
KPAC291	12	16	30	300	3.00E-02	0.003
KPAC291	16	20	10	160	1.60E-02	0.001
KPAC291	20	24	120	1030	0.103	0.012
KPAC291	24	28	140	980	9.80E-02	0.014
KPAC291	28	32	140	960	9.60E-02	0.014
KPAC291	32	36	250	1290	0.12899999	0.025
KPAC291	36	40	510	1610	0.161	5.10E-02
KPAC291	40	44	550	1480	0.148	0.055
KPAC291	44	48	560	1410	0.141	5.60E-02
KPAC291	48	51	200	870	8.70E-02	0.02
KPAC292	0	4	50	790	7.90E-02	5.00E-03
KPAC292	4	8	40	620	6.20E-02	4.00E-03
KPAC292	8	12	90	670	6.70E-02	9.00E-03
KPAC292	12	16	90	460	0.046	9.00E-03
KPAC292	16	20	20	260	2.60E-02	2.00E-03
KPAC292	20	24	130	790	7.90E-02	0.013
KPAC292	24	28	320	950	9.50E-02	3.20E-02
KPAC292	28	31	360	1070	0.107	3.60E-02
KPAC293	0	4	40	430	4.30E-02	4.00E-03
KPAC293	4	8	20	370	0.037	2.00E-03
KPAC293	8	12	70	360	3.60E-02	7.00E-03
KPAC293	12	16	30	360	3.60E-02	0.003
KPAC293	16	20	90	370	0.037	9.00E-03
KPAC293	20	24	70	200	0.02	7.00E-03

KPAC293	24	28	120	1140	0.114	0.012
KPAC293	28	32	230	740	7.40E-02	0.023
KPAC293	32	36	150	1140	0.114	0.015
KPAC293	36	39	100	590	0.059	1.00E-02
KPAC294	0	4	20	360	3.60E-02	2.00E-03
KPAC294	4	8	10	290	2.90E-02	0.001
KPAC294	8	12	30	460	0.046	0.003
KPAC294	12	16	10	210	0.021	0.001
KPAC294	16	20	410	840	8.40E-02	4.10E-02
KPAC294	20	24	150	470	4.70E-02	0.015
KPAC294	24	28	80	240	0.024	8.00E-03
KPAC294	28	32	110	230	0.023	0.011
KPAC294	32	35	70	430	4.30E-02	7.00E-03
KPAC294	35	37	70	500	5.00E-02	7.00E-03
KPAC295	0	4	10	210	0.021	0.001
KPAC295	4	8	10	300	3.00E-02	0.001
KPAC295	8	12	-10	310	3.10E-02	-0.001
KPAC295	12	16	-10	330	0.033	-0.001
KPAC295	16	20	-10	210	0.021	-0.001
KPAC295	20	24	-10	90	9.00E-03	-0.001
KPAC295	24	28	-10	110	0.011	-0.001
KPAC295	28	32	40	350	0.035	4.00E-03
KPAC295	32	36	50	130	0.013	5.00E-03
KPAC295	36	39	40	150	0.015	4.00E-03
KPAC295	39	42	90	220	0.022	9.00E-03
KPAC295	42	45	80	140	0.014	8.00E-03
KPAC296	0	4	20	120	0.012	2.00E-03
KPAC296	4	8	20	130	0.013	2.00E-03
KPAC296	8	12	20	180	1.80E-02	2.00E-03
KPAC296	12	16	10	190	1.90E-02	0.001
KPAC296	16	20	10	130	0.013	0.001
KPAC296	20	24	40	320	3.20E-02	4.00E-03
KPAC296	24	27	110	340	3.40E-02	0.011
KPAC296	27	31	310	270	2.70E-02	3.10E-02
KPAC296	31	35	490	470	4.70E-02	4.90E-02
KPAC296	35	39	370	280	2.80E-02	0.037
KPAC296	39	43	160	160	1.60E-02	1.60E-02
KPAC296	43	47	70	200	0.02	7.00E-03
KPAC296	47	51	60	250	0.025	6.00E-03
KPAC297	0	4	10	80	8.00E-03	0.001
KPAC297	4	8	20	100	1.00E-02	2.00E-03
KPAC297	8	12	10	70	7.00E-03	0.001
KPAC297	12	16	10	60	6.00E-03	0.001
KPAC297	16	20	30	70	7.00E-03	0.003
KPAC297	20	24	10	70	7.00E-03	0.001
KPAC297	24	28	20	190	1.90E-02	2.00E-03
KPAC297	28	32	80	270	2.70E-02	8.00E-03
KPAC297	32	36	100	150	0.015	1.00E-02
KPAC297	36	40	130	200	0.02	0.013
KPAC297	40	44	30	80	8.00E-03	0.003
KPAC297	44	48	30	80	8.00E-03	0.003
KPAC297	48	51	30	90	9.00E-03	0.003
KPAC298	0	4	20	60	6.00E-03	2.00E-03
KPAC298	4	8	10	30	0.003	0.001
KPAC298	8	12	10	10	0.001	0.001
KPAC298	12	16	20	10	0.001	2.00E-03
KPAC298	16	20	20	20	2.00E-03	2.00E-03
KPAC298	20	24	30	30	0.003	0.003
KPAC298	24	27	20	70	7.00E-03	2.00E-03
KPAC299	0	4	10	50	5.00E-03	0.001
KPAC299	4	8	20	70	7.00E-03	2.00E-03
KPAC299	8	12	10	40	4.00E-03	0.001
KPAC299	12	16	-10	20	2.00E-03	-0.001

KPAC299	16	20	-10	20	2.00E-03	-0.001
KPAC299	20	24	20	20	2.00E-03	2.00E-03
KPAC299	24	28	40	60	6.00E-03	4.00E-03
KPAC299	28	32	50	70	7.00E-03	5.00E-03
KPAC299	32	36	50	60	6.00E-03	5.00E-03
KPAC299	36	40	50	70	7.00E-03	5.00E-03
KPAC299	40	43	100	140	0.014	1.00E-02
KPAC299	43	46	180	220	0.022	1.80E-02
KPAC299	46	49	100	520	5.20E-02	1.00E-02
KPAC300	0	4	20	70	7.00E-03	2.00E-03
KPAC300	4	8	-10	40	4.00E-03	-0.001
KPAC300	8	12	10	30	0.003	0.001
KPAC300	12	16	10	30	0.003	0.001
KPAC300	16	20	30	50	5.00E-03	0.003
KPAC300	20	23	30	30	0.003	0.003
KPAC300	23	26	50	40	4.00E-03	5.00E-03
KPAC301	0	4	20	50	5.00E-03	2.00E-03
KPAC301	4	8	10	10	0.001	0.001
KPAC301	8	12	20	10	0.001	2.00E-03
KPAC301	12	16	30	10	0.001	0.003
KPAC301	16	19	20	60	6.00E-03	2.00E-03
KPAC301	19	22	20	40	4.00E-03	2.00E-03
KPAC301	22	25	30	30	0.003	0.003
KPAC302	0	4	80	1130	0.113	8.00E-03
KPAC302	4	8	180	1300	0.13	1.80E-02
KPAC302	8	12	200	1110	0.111	0.02
KPAC302	12	16	190	1860	0.186	1.90E-02
KPAC302	16	20	140	900	9.00E-02	0.014
KPAC302	20	24	60	910	9.10E-02	6.00E-03
KPAC302	24	28	290	4280	0.428	2.90E-02
KPAC302	28	32	130	1940	0.19400001	0.013
KPAC302	32	36	120	1810	0.18099999	0.012
KPAC302	36	39	180	2430	0.243	1.80E-02
KPAC303	0	4	80	1110	0.111	8.00E-03
KPAC303	4	8	170	1130	0.113	1.70E-02
KPAC303	8	12	130	660	0.066	0.013
KPAC303	12	16	90	720	7.20E-02	9.00E-03
KPAC303	16	20	90	1010	0.101	9.00E-03
KPAC303	20	24	80	1060	0.106	8.00E-03
KPAC303	24	28	30	800	8.00E-02	0.003
KPAC303	28	32	50	1120	0.112	5.00E-03
KPAC303	32	36	70	1030	0.103	7.00E-03
KPAC303	36	40	40	840	8.40E-02	4.00E-03
KPAC303	40	43	50	1020	0.102	5.00E-03
KPAC303	43	44	30	1130	0.113	0.003
KPAC303	44	45	30	2880	0.28799999	0.003
KPAC303	45	46	40	3200	0.31999999	4.00E-03
KPAC304	0	4	40	1060	0.106	4.00E-03
KPAC304	4	8	40	440	0.044	4.00E-03
KPAC304	8	12	30	160	1.60E-02	0.003
KPAC304	12	16	10	170	1.70E-02	0.001
KPAC304	16	20	10	140	0.014	0.001
KPAC304	20	24	90	200	0.02	9.00E-03
KPAC304	24	28	60	260	2.60E-02	6.00E-03
KPAC304	28	32	70	590	0.059	7.00E-03
KPAC304	32	36	230	1000	0.1	0.023
KPAC304	36	40	320	1090	0.109	3.20E-02
KPAC304	40	44	220	990	9.90E-02	0.022
KPAC304	44	48	260	1430	0.14300001	2.60E-02
KPAC304	48	51	100	650	6.50E-02	1.00E-02
KPAC305	0	4	90	910	9.10E-02	9.00E-03
KPAC305	4	8	320	840	8.40E-02	3.20E-02
KPAC305	8	12	70	140	0.014	7.00E-03

KPAC305	12	16	140	220	0.022	0.014
KPAC305	16	20	120	240	0.024	0.012
KPAC305	20	24	180	280	2.80E-02	1.80E-02
KPAC305	24	28	210	320	3.20E-02	0.021
KPAC305	28	32	190	330	0.033	1.90E-02
KPAC305	32	36	190	380	3.80E-02	1.90E-02
KPAC305	36	40	80	310	3.10E-02	8.00E-03
KPAC305	40	44	60	260	2.60E-02	6.00E-03
KPAC305	44	48	190	490	4.90E-02	1.90E-02
KPAC305	48	51	160	450	4.50E-02	1.60E-02
KPAC306	0	4	200	1200	0.12	0.02
KPAC306	4	8	140	900	9.00E-02	0.014
KPAC306	8	12	40	120	0.012	4.00E-03
KPAC306	12	16	100	110	0.011	1.00E-02
KPAC306	16	20	110	140	0.014	0.011
KPAC306	20	24	100	150	0.015	1.00E-02
KPAC306	24	28	130	290	2.90E-02	0.013
KPAC306	28	32	80	300	3.00E-02	8.00E-03
KPAC306	32	36	110	320	3.20E-02	0.011
KPAC306	36	40	130	320	3.20E-02	0.013
KPAC306	40	44	130	300	3.00E-02	0.013
KPAC306	44	47	120	370	0.037	0.012
KPAC306	47	50	110	400	4.00E-02	0.011
KPAC306	50	53	110	390	3.90E-02	0.011
KPAC307	0	4	60	730	7.30E-02	6.00E-03
KPAC307	4	8	110	690	6.90E-02	0.011
KPAC307	8	12	60	270	2.70E-02	6.00E-03
KPAC307	12	16	110	290	2.90E-02	0.011
KPAC307	16	20	110	530	5.30E-02	0.011
KPAC307	20	24	90	560	5.60E-02	9.00E-03
KPAC307	24	28	150	820	8.20E-02	0.015
KPAC307	28	32	80	960	9.60E-02	8.00E-03
KPAC307	32	36	100	1200	0.12	1.00E-02
KPAC307	36	40	80	1150	0.115	8.00E-03
KPAC307	40	44	60	140	0.014	6.00E-03
KPAC307	44	48	70	160	1.60E-02	7.00E-03
KPAC307	48	52	60	310	3.10E-02	6.00E-03
KPAC308	0	4	30	720	7.20E-02	0.003
KPAC308	4	8	40	750	7.50E-02	4.00E-03
KPAC308	8	12	90	930	9.30E-02	9.00E-03
KPAC308	12	16	170	450	4.50E-02	1.70E-02
KPAC308	16	20	100	290	2.90E-02	1.00E-02
KPAC308	20	24	90	340	3.40E-02	9.00E-03
KPAC308	24	28	120	460	0.046	0.012
KPAC308	28	32	130	1000	0.1	0.013
KPAC308	32	36	70	730	7.30E-02	7.00E-03
KPAC308	36	40	60	470	4.70E-02	6.00E-03
KPAC308	40	44	60	750	7.50E-02	6.00E-03
KPAC308	44	48	50	460	0.046	5.00E-03
KPAC308	48	51	40	460	0.046	4.00E-03
KPAC308	51	54	50	600	6.00E-02	5.00E-03
KPAC309	0	4	20	370	0.037	2.00E-03
KPAC309	4	8	20	350	0.035	2.00E-03
KPAC309	8	12	40	350	0.035	4.00E-03
KPAC309	12	16	60	500	5.00E-02	6.00E-03
KPAC309	16	20	50	370	0.037	5.00E-03
KPAC309	20	24	90	300	3.00E-02	9.00E-03
KPAC309	24	28	160	730	7.30E-02	1.60E-02
KPAC309	28	32	120	820	8.20E-02	0.012
KPAC309	32	36	90	380	3.80E-02	9.00E-03
KPAC309	36	40	60	300	3.00E-02	6.00E-03
KPAC309	40	44	60	340	3.40E-02	6.00E-03
KPAC309	44	48	40	60	6.00E-03	4.00E-03

KPAC309	48	51	30	230	0.023	0.003
KPAC310	0	4	10	200	0.02	0.001
KPAC310	4	8	10	200	0.02	0.001
KPAC310	8	12	20	280	2.80E-02	2.00E-03
KPAC310	12	16	10	280	2.80E-02	0.001
KPAC310	16	20	30	240	0.024	0.003
KPAC310	20	24	50	390	3.90E-02	5.00E-03
KPAC310	24	28	50	210	0.021	5.00E-03
KPAC310	28	32	150	280	2.80E-02	0.015
KPAC310	32	36	400	880	0.088	4.00E-02
KPAC310	36	40	130	540	5.40E-02	0.013
KPAC310	40	44	180	480	0.048	1.80E-02
KPAC310	44	48	230	4870	0.48699999	0.023
KPAC311	0	4	150	1290	0.12899999	0.015
KPAC311	4	8	100	1110	0.111	1.00E-02
KPAC311	8	12	40	1110	0.111	4.00E-03
KPAC311	12	16	60	1490	0.149	6.00E-03
KPAC311	16	20	330	2110	0.211	0.033
KPAC311	20	24	260	1790	0.17900001	2.60E-02
KPAC311	24	25	90	4840	0.484	9.00E-03
KPAC311	25	26	150	18750	1.875	0.015
KPAC311	26	27	230	3680	0.368	0.023
KPAC311	27	28	340	5210	0.52100003	3.40E-02
KPAC311	28	32	200	3760	0.37599999	0.02
KPAC311	32	36	100	2410	0.241	1.00E-02
KPAC311	36	40	60	2390	0.23899999	6.00E-03
KPAC311	40	41	100	5420	0.542	1.00E-02
KPAC311	41	42	60	3890	0.389	6.00E-03
KPAC311	42	43	110	3240	0.324	0.011
KPAC311	43	46	390	8240	0.824	3.90E-02
KPAC311	46	47	610	21100	2.1099999	6.10E-02
KPAC311	47	48	400	21600	2.1600001	4.00E-02
KPAC311	48	49	120	14350	1.4349999	0.012
KPAC311	49	52	270	5000	0.5	2.70E-02
KPAC311	52	53	350	4790	0.479	0.035
KPAC311	53	54	270	20800	2.0799999	2.70E-02
KPAC312	0	4	-10	240	0.024	-0.001
KPAC312	4	8	10	320	3.20E-02	0.001
KPAC312	8	12	-10	150	0.015	-0.001
KPAC312	12	16	-10	120	0.012	-0.001
KPAC312	16	20	-10	110	0.011	-0.001
KPAC312	20	24	40	210	0.021	4.00E-03
KPAC312	24	28	120	450	4.50E-02	0.012
KPAC312	28	32	110	340	3.40E-02	0.011
KPAC312	32	36	60	200	0.02	6.00E-03
KPAC312	36	40	70	180	1.80E-02	7.00E-03
KPAC312	40	44	100	210	0.021	1.00E-02
KPAC312	44	48	140	540	5.40E-02	0.014
KPAC312	48	51	90	350	0.035	9.00E-03
KPAC313	0	4	-10	280	2.80E-02	-0.001
KPAC313	4	8	-10	120	0.012	-0.001
KPAC313	8	12	-10	180	1.80E-02	-0.001
KPAC313	12	16	-10	300	3.00E-02	-0.001
KPAC313	16	20	20	210	0.021	2.00E-03
KPAC313	20	24	10	130	0.013	0.001
KPAC313	24	28	20	180	1.80E-02	2.00E-03
KPAC313	28	32	30	190	1.90E-02	0.003
KPAC313	32	36	40	250	0.025	4.00E-03
KPAC313	36	40	60	320	3.20E-02	6.00E-03
KPAC313	40	44	30	200	0.02	0.003
KPAC313	44	48	60	230	0.023	6.00E-03
KPAC313	48	52	110	210	0.021	0.011
KPAC313	52	55	110	160	1.60E-02	0.011

KPAC314	0	4	10	560	5.60E-02	0.001
KPAC314	4	8	130	740	7.40E-02	0.013
KPAC314	8	12	70	90	9.00E-03	7.00E-03
KPAC314	12	16	130	90	9.00E-03	0.013
KPAC314	16	20	110	70	7.00E-03	0.011
KPAC314	20	24	100	90	9.00E-03	1.00E-02
KPAC314	24	28	80	80	8.00E-03	8.00E-03
KPAC314	28	32	80	90	9.00E-03	8.00E-03
KPAC314	32	36	110	110	0.011	0.011
KPAC314	36	40	90	100	1.00E-02	9.00E-03
KPAC314	40	44	110	130	0.013	0.011
KPAC314	44	48	90	100	1.00E-02	9.00E-03
KPAC314	48	52	80	100	1.00E-02	8.00E-03
KPAC314	52	55	110	150	0.015	0.011
KPAC314	55	58	120	150	0.015	0.012
KPAC315	0	4	10	470	4.70E-02	0.001
KPAC315	4	8	110	490	4.90E-02	0.011
KPAC315	8	12	40	80	8.00E-03	4.00E-03
KPAC315	12	16	50	60	6.00E-03	5.00E-03
KPAC315	16	20	110	110	0.011	0.011
KPAC315	20	24	210	130	0.013	0.021
KPAC315	24	28	160	140	0.014	1.60E-02
KPAC315	28	32	100	150	0.015	1.00E-02
KPAC315	32	36	130	110	0.011	0.013
KPAC315	36	40	130	110	0.011	0.013
KPAC315	40	44	100	120	0.012	1.00E-02
KPAC315	44	48	140	140	0.014	0.014
KPAC315	48	52	110	110	0.011	0.011
KPAC315	52	56	130	100	1.00E-02	0.013
KPAC315	56	60	80	70	7.00E-03	8.00E-03
KPAC315	60	63	130	160	1.60E-02	0.013
KPAC316	0	4	20	690	6.90E-02	2.00E-03
KPAC316	4	8	40	710	7.10E-02	4.00E-03
KPAC316	8	12	20	240	0.024	2.00E-03
KPAC316	12	16	180	130	0.013	1.80E-02
KPAC316	16	20	110	110	0.011	0.011
KPAC316	20	24	110	260	2.60E-02	0.011
KPAC316	24	28	90	170	1.70E-02	9.00E-03
KPAC316	28	32	100	230	0.023	1.00E-02
KPAC316	32	36	110	190	1.90E-02	0.011
KPAC316	36	40	110	140	0.014	0.011
KPAC316	40	43	120	150	0.015	0.012
KPAC316	43	46	100	160	1.60E-02	1.00E-02
KPAC317	0	4	20	700	0.07	2.00E-03
KPAC317	4	8	30	840	8.40E-02	0.003
KPAC317	8	12	-10	300	3.00E-02	-0.001
KPAC317	12	16	10	110	0.011	0.001
KPAC317	16	20	40	110	0.011	4.00E-03
KPAC317	20	24	60	160	1.60E-02	6.00E-03
KPAC317	24	28	60	150	0.015	6.00E-03
KPAC317	28	32	80	470	4.70E-02	8.00E-03
KPAC317	32	36	230	960	9.60E-02	0.023
KPAC317	36	40	280	1310	0.131	2.80E-02
KPAC317	40	44	240	1070	0.107	0.024
KPAC317	44	48	80	460	0.046	8.00E-03
KPAC317	48	51	190	1590	0.15899999	1.90E-02
KPAC317	51	54	150	1340	0.134	0.015
KPAC318	0	4	30	770	0.077	0.003
KPAC318	4	8	110	710	7.10E-02	0.011
KPAC318	8	12	100	760	7.60E-02	1.00E-02
KPAC318	12	16	170	660	0.066	1.70E-02
KPAC318	16	20	100	790	7.90E-02	1.00E-02
KPAC318	20	24	110	1020	0.102	0.011

KPAC318	24	28	150	1030	0.103	0.015
KPAC318	28	32	80	1900	0.19	8.00E-03
KPAC318	32	36	90	1210	0.121	9.00E-03
KPAC318	36	40	60	860	8.60E-02	6.00E-03
KPAC318	40	44	30	790	7.90E-02	0.003
KPAC318	44	48	50	2020	0.20200001	5.00E-03
KPAC318	48	51	40	880	0.088	4.00E-03
KPAC319	0	4	20	700	0.07	2.00E-03
KPAC319	4	8	80	910	9.10E-02	8.00E-03
KPAC319	8	12	200	750	7.50E-02	0.02
KPAC319	12	16	180	820	8.20E-02	1.80E-02
KPAC319	16	20	110	1070	0.107	0.011
KPAC319	20	24	180	900	9.00E-02	1.80E-02
KPAC319	24	28	130	850	8.50E-02	0.013
KPAC319	28	32	80	830	8.30E-02	8.00E-03
KPAC319	32	36	180	3250	0.32499999	1.80E-02
KPAC319	36	40	190	4300	0.43000001	1.90E-02
KPAC319	40	44	90	1480	0.148	9.00E-03
KPAC319	44	46	180	2270	0.227	1.80E-02
KPAC319	46	47	100	2770	0.27700001	1.00E-02
KPAC319	47	48	200	8200	0.81999999	0.02
KPAC319	48	49	150	4010	0.40099999	0.015
KPAC319	49	50	50	2310	0.23100001	5.00E-03
KPAC319	50	51	40	1940	0.19400001	4.00E-03
KPAC320	0	4	20	750	7.50E-02	2.00E-03
KPAC320	4	8	50	790	7.90E-02	5.00E-03
KPAC320	8	12	180	680	6.80E-02	1.80E-02
KPAC320	12	16	150	880	0.088	0.015
KPAC320	16	20	300	1480	0.148	3.00E-02
KPAC320	20	24	160	1120	0.112	1.60E-02
KPAC320	24	28	50	820	8.20E-02	5.00E-03
KPAC320	28	32	50	1040	0.104	5.00E-03
KPAC320	32	36	60	870	8.70E-02	6.00E-03
KPAC320	36	40	90	1220	0.122	9.00E-03
KPAC320	40	44	100	1640	0.164	1.00E-02
KPAC320	44	48	80	1150	0.115	8.00E-03
KPAC321	0	4	30	770	0.077	0.003
KPAC321	4	8	120	770	0.077	0.012
KPAC321	8	12	250	730	7.30E-02	0.025
KPAC321	12	16	330	1250	0.125	0.033
KPAC321	16	20	110	1410	0.141	0.011
KPAC321	20	24	60	1330	0.133	6.00E-03
KPAC321	24	28	40	1180	0.118	4.00E-03
KPAC321	28	32	100	1890	0.189	1.00E-02
KPAC321	32	36	50	980	9.80E-02	5.00E-03
KPAC321	36	40	50	1480	0.148	5.00E-03
KPAC321	40	44	20	680	6.80E-02	2.00E-03
KPAC321	44	48	30	340	3.40E-02	0.003
KPAC321	48	51	180	240	0.024	1.80E-02
KPAC321	51	54	210	220	0.022	0.021
KPAC322	0	4	30	670	6.70E-02	0.003
KPAC322	4	8	70	390	3.90E-02	7.00E-03
KPAC322	8	12	100	220	0.022	1.00E-02
KPAC322	12	16	100	370	0.037	1.00E-02
KPAC322	16	20	90	490	4.90E-02	9.00E-03
KPAC322	20	24	150	260	2.60E-02	0.015
KPAC322	24	28	120	830	8.30E-02	0.012
KPAC322	28	32	140	190	1.90E-02	0.014
KPAC322	32	36	140	120	0.012	0.014
KPAC322	36	39	190	30	0.003	1.90E-02
KPAC323	0	4	20	390	3.90E-02	2.00E-03
KPAC323	4	8	20	380	3.80E-02	2.00E-03
KPAC323	8	12	20	210	0.021	2.00E-03

KPAC323	12	16	-10	60	6.00E-03	-0.001
KPAC323	16	20	30	70	7.00E-03	0.003
KPAC323	20	24	40	150	0.015	4.00E-03
KPAC323	24	28	130	730	7.30E-02	0.013
KPAC323	28	32	490	820	8.20E-02	4.90E-02
KPAC323	32	36	470	1210	0.121	4.70E-02
KPAC323	36	40	270	1180	0.118	2.70E-02
KPAC323	40	44	320	640	6.40E-02	3.20E-02
KPAC323	44	48	560	1080	0.108	5.60E-02
KPAC323	48	51	170	690	6.90E-02	1.70E-02
KPAC323	51	54	120	940	9.40E-02	0.012
KPAC324	0	4	20	430	4.30E-02	2.00E-03
KPAC324	4	8	30	360	3.60E-02	0.003
KPAC324	8	12	80	120	0.012	8.00E-03
KPAC324	12	16	160	80	8.00E-03	1.60E-02
KPAC324	16	20	80	60	6.00E-03	8.00E-03
KPAC324	20	24	140	60	6.00E-03	0.014
KPAC324	24	28	60	80	8.00E-03	6.00E-03
KPAC324	28	32	50	70	7.00E-03	5.00E-03
KPAC324	32	36	60	90	9.00E-03	6.00E-03
KPAC324	36	40	70	100	1.00E-02	7.00E-03
KPAC324	40	44	60	100	1.00E-02	6.00E-03
KPAC324	44	48	70	100	1.00E-02	7.00E-03
KPAC324	48	51	60	100	1.00E-02	6.00E-03
KPAC324	51	54	50	110	0.011	5.00E-03
KPAC325	0	4	230	1350	0.13500001	0.023
KPAC325	4	8	40	450	4.50E-02	4.00E-03
KPAC325	8	12	10	140	0.014	0.001
KPAC325	12	16	-10	120	0.012	-0.001
KPAC325	16	20	-10	120	0.012	-0.001
KPAC325	20	24	-10	80	8.00E-03	-0.001
KPAC325	24	28	-10	-10	-0.001	-0.001
KPAC325	28	32	-10	-10	-0.001	-0.001
KPAC325	32	33	-10	-10	-0.001	-0.001
KPAC325	33	34	-10	-10	-0.001	-0.001
KPAC325	34	35	-10	30	0.003	-0.001
KPAC325	35	36	-10	-10	-0.001	-0.001
KPAC325	36	40	-10	10	0.001	-0.001
KPAC325	40	44	-10	-10	-0.001	-0.001
KPAC325	44	48	-10	-10	-0.001	-0.001
KPAC325	48	51	-10	-10	-0.001	-0.001
KPAC326	0	4	50	910	9.10E-02	5.00E-03
KPAC326	4	8	50	630	6.30E-02	5.00E-03
KPAC326	8	12	-10	40	4.00E-03	-0.001
KPAC326	12	16	-10	-10	-0.001	-0.001
KPAC326	16	20	-10	-10	-0.001	-0.001
KPAC326	20	24	-10	-10	-0.001	-0.001
KPAC326	24	28	-10	-10	-0.001	-0.001
KPAC326	28	32	-10	-10	-0.001	-0.001
KPAC326	32	36	-10	-10	-0.001	-0.001
KPAC326	36	39	-10	20	2.00E-03	-0.001
KPAC326	39	42	-10	10	0.001	-0.001
KPAC327	0	4	170	370	0.037	1.70E-02
KPAC327	4	8	140	290	2.90E-02	0.014
KPAC327	8	12	-10	-10	-0.001	-0.001
KPAC327	12	16	-10	-10	-0.001	-0.001
KPAC327	16	19	-10	-10	-0.001	-0.001
KPAC327	19	22	-10	-10	-0.001	-0.001
KPAC328	0	4	-10	100	1.00E-02	-0.001
KPAC328	4	8	10	120	0.012	0.001
KPAC328	8	12	50	160	1.60E-02	5.00E-03
KPAC328	12	16	30	100	1.00E-02	0.003
KPAC328	16	20	20	100	1.00E-02	2.00E-03

KPAC328	20	24	-10	70	7.00E-03	-0.001
KPAC328	24	27	20	40	4.00E-03	2.00E-03
KPAC328	27	30	10	30	0.003	0.001
KPAC329	0	4	30	120	0.012	0.003
KPAC329	4	8	10	60	6.00E-03	0.001
KPAC329	8	12	30	50	5.00E-03	0.003
KPAC329	12	16	70	190	1.90E-02	7.00E-03
KPAC329	16	20	50	180	1.80E-02	5.00E-03
KPAC329	20	24	30	110	0.011	0.003
KPAC329	24	28	20	30	0.003	2.00E-03
KPAC329	28	32	-10	20	2.00E-03	-0.001
KPAC329	32	36	30	10	0.001	0.003
KPAC330	0	4	30	110	0.011	0.003
KPAC330	4	8	30	110	0.011	0.003
KPAC330	8	12	30	70	7.00E-03	0.003
KPAC330	12	16	40	70	7.00E-03	4.00E-03
KPAC330	16	20	30	60	6.00E-03	0.003
KPAC330	20	24	30	80	8.00E-03	0.003
KPAC330	24	28	60	80	8.00E-03	6.00E-03
KPAC330	28	32	40	170	1.70E-02	4.00E-03
KPAC330	32	36	60	390	3.90E-02	6.00E-03
KPAC330	36	39	60	580	5.80E-02	6.00E-03
KPAC331	0	4	10	220	0.022	0.001
KPAC331	4	8	10	210	0.021	0.001
KPAC331	8	12	20	230	0.023	2.00E-03
KPAC331	12	16	20	450	4.50E-02	2.00E-03
KPAC331	16	20	30	450	4.50E-02	0.003
KPAC331	20	24	40	460	0.046	4.00E-03
KPAC331	24	28	20	440	0.044	2.00E-03
KPAC331	28	32	20	470	4.70E-02	2.00E-03
KPAC331	32	36	20	650	6.50E-02	2.00E-03
KPAC331	36	39	10	420	4.20E-02	0.001
KPAC331	39	42	30	300	3.00E-02	0.003
KPAC331	42	45	10	490	4.90E-02	0.001
KPAC112	52	62				
KPAC250	40	41				
KPAC292	31	33				
KPRC001	4	8	10	290	2.90E-02	0.001
KPRC001	8	12	-10	340	3.40E-02	-0.001
KPRC001	12	16	-10	390	3.90E-02	-0.001
KPRC001	16	20	-10	160	1.60E-02	-0.001
KPRC001	20	24	-10	120	0.012	-0.001
KPRC001	24	28	20	480	0.048	2.00E-03
KPRC001	28	32	-10	70	7.00E-03	-0.001
KPRC001	32	36	10	130	0.013	0.001
KPRC001	36	40	-10	190	1.90E-02	-0.001
KPRC001	40	44	-10	230	0.023	-0.001
KPRC001	44	48	50	340	3.40E-02	5.00E-03
KPRC001	48	52	30	330	0.033	0.003
KPRC001	52	56	40	360	3.60E-02	4.00E-03
KPRC001	56	60	30	410	4.10E-02	0.003
KPRC001	60	64	90	330	0.033	9.00E-03
KPRC001	64	68	80	470	4.70E-02	8.00E-03
KPRC001	68	72	20	630	6.30E-02	2.00E-03
KPRC001	72	76	30	440	0.044	0.003
KPRC001	76	80	10	110	0.011	0.001
KPRC001	80	84	40	400	4.00E-02	4.00E-03
KPRC001	84	88	50	1170	0.117	5.00E-03
KPRC001	88	92	70	1570	0.15700001	7.00E-03
KPRC001	92	96	60	1460	0.146	6.00E-03
KPRC001	96	100	50	1990	0.199	5.00E-03
KPRC001	100	104	40	1730	0.17299999	4.00E-03
KPRC001	104	108	40	1590	0.15899999	4.00E-03

KPRC001	108	112	40	2250	0.22499999	4.00E-03
KPRC001	112	116	60	1340	0.134	6.00E-03
KPRC001	116	120	40	1860	0.186	4.00E-03
KPRC001	120	124	40	8630	0.86299998	4.00E-03
KPRC001	124	127	60	13400	1.34	6.00E-03
KPRC001	127	130	50	14400	1.4400001	5.00E-03
KPRC002	2	6	40	450	4.50E-02	4.00E-03
KPRC002	6	10	60	770	0.077	6.00E-03
KPRC002	10	14	380	1440	0.14399999	3.80E-02
KPRC002	14	18	660	2190	0.219	0.066
KPRC002	18	22	200	1740	0.17399999	0.02
KPRC002	22	26	450	2370	0.237	4.50E-02
KPRC002	26	28	510	2940	0.294	5.10E-02
KPRC002	28	29	440	2340	0.234	0.044
KPRC002	29	30	680	4580	0.458	6.80E-02
KPRC002	30	31	220	13400	1.34	0.022
KPRC002	31	32	250	45500	4.5500002	0.025
KPRC002	32	33	220	60600	6.0599999	0.022
KPRC002	33	34	250	54500	5.4499998	0.025
KPRC002	34	35	460	60200	6.02	0.046
KPRC002	35	36	400	54900	5.4899998	4.00E-02
KPRC002	36	37	250	45000	4.5	0.025
KPRC002	37	38	240	45000	4.5	0.024
KPRC002	38	39	150	81900	8.1899996	0.015
KPRC002	39	40	190	76700	7.6700001	1.90E-02
KPRC002	40	41	210	75300	7.5300002	0.021
KPRC002	41	42	230	104000	10.4	0.023
KPRC002	42	43	160	185000	18.5	1.60E-02
KPRC002	43	44	210	114500	11.45	0.021
KPRC002	44	45	170	122500	12.25	1.70E-02
KPRC002	45	46	200	61700	6.1700001	0.02
KPRC002	46	47	140	30800	3.0799999	0.014
KPRC002	47	48	70	16550	1.655	7.00E-03
KPRC002	48	49	80	11500	1.15	8.00E-03
KPRC002	49	50	90	8940	0.89399999	9.00E-03
KPRC002	50	51	90	2940	0.294	9.00E-03
KPRC002	51	52	310	43700	4.3699999	3.10E-02
KPRC002	52	53	440	44700	4.4699998	0.044
KPRC002	53	54	130	6680	0.66799998	0.013
KPRC002	54	55	240	11000	1.1	0.024
KPRC002	55	56	140	10450	1.045	0.014
KPRC002	56	57	160	9850	0.98500001	1.60E-02
KPRC002	57	58	140	9840	0.98400003	0.014
KPRC003	0	4	30	470	4.70E-02	0.003
KPRC003	4	8	30	150	0.015	0.003
KPRC003	8	12	20	70	7.00E-03	2.00E-03
KPRC003	12	16	20	160	1.60E-02	2.00E-03
KPRC003	16	20	60	410	4.10E-02	6.00E-03
KPRC003	20	24	130	530	5.30E-02	0.013
KPRC003	24	28	60	750	7.50E-02	6.00E-03
KPRC003	28	32	60	2070	0.207	6.00E-03
KPRC003	32	36	80	1670	0.167	8.00E-03
KPRC003	36	38	60	1330	0.133	6.00E-03
KPRC003	38	39	80	9700	0.97000003	8.00E-03
KPRC003	39	40	60	8350	0.83499998	6.00E-03
KPRC003	40	43	50	1160	0.116	5.00E-03
KPRC003	43	46	40	990	9.90E-02	4.00E-03
KPRC003	46	49	30	1130	0.113	0.003
KPRC003	49	50	40	1890	0.189	4.00E-03
KPRC003	50	51	20	19750	1.975	2.00E-03
KPRC003	51	52	30	5820	0.58200002	0.003
KPRC003	52	56	20	1170	0.117	2.00E-03
KPRC003	56	60	20	17250	1.725	2.00E-03

KPRC003	60	64	10	5020	0.50199997	0.001
KPRC003	64	68	30	310	3.10E-02	0.003
KPRC003	68	72	40	110	0.011	4.00E-03
KPRC003	72	76	50	90	9.00E-03	5.00E-03
KPRC003	76	80	70	120	0.012	7.00E-03
KPRC003	80	84	60	70	7.00E-03	6.00E-03
KPRC003	84	88	70	80	8.00E-03	7.00E-03
KPRC003	88	92	100	140	0.014	1.00E-02
KPRC003	92	96	90	110	0.011	9.00E-03
KPRC003	96	100	110	160	1.60E-02	0.011
KPRC003	100	104	90	180	1.80E-02	9.00E-03
KPRC003	104	108	70	160	1.60E-02	7.00E-03
KPRC003	108	112	50	120	0.012	5.00E-03
KPRC003	112	116	60	3410	0.34099999	6.00E-03
KPRC003	116	120	50	240	0.024	5.00E-03
KPRC003	120	124	50	400	4.00E-02	5.00E-03
KPRC003	124	128	60	270	2.70E-02	6.00E-03
KPRC003	128	132	50	340	3.40E-02	5.00E-03
KPRC003	132	136	50	230	0.023	5.00E-03
KPRC003	136	140	70	330	0.033	7.00E-03
KPRC003	140	144	60	350	0.035	6.00E-03
KPRC003	144	147	50	610	6.10E-02	5.00E-03
KPRC003	147	150	50	630	6.30E-02	5.00E-03
KPRC004	1	5	50	350	0.035	5.00E-03
KPRC004	5	9	40	490	4.90E-02	4.00E-03
KPRC004	9	13	20	460	0.046	2.00E-03
KPRC004	13	17	80	640	6.40E-02	8.00E-03
KPRC004	17	21	100	250	0.025	1.00E-02
KPRC004	21	25	70	130	0.013	7.00E-03
KPRC004	25	29	90	260	2.60E-02	9.00E-03
KPRC004	29	33	90	330	0.033	9.00E-03
KPRC004	33	37	70	380	3.80E-02	7.00E-03
KPRC004	37	41	60	480	0.048	6.00E-03
KPRC004	41	45	50	620	6.20E-02	5.00E-03
KPRC004	45	49	60	1370	0.13699999	6.00E-03
KPRC004	49	53	40	1400	0.14	4.00E-03
KPRC004	53	57	40	1330	0.133	4.00E-03
KPRC004	57	61	50	920	0.092	5.00E-03
KPRC004	61	65	80	1070	0.107	8.00E-03
KPRC004	65	69	60	710	7.10E-02	6.00E-03
KPRC004	69	73	50	1000	0.1	5.00E-03
KPRC004	73	77	90	1180	0.118	9.00E-03
KPRC004	77	81	170	1630	0.163	1.70E-02
KPRC004	81	85	80	770	0.077	8.00E-03
KPRC004	85	89	90	770	0.077	9.00E-03
KPRC004	89	93	20	550	0.055	2.00E-03
KPRC004	93	97	90	1810	0.18099999	9.00E-03
KPRC004	97	101	40	670	6.70E-02	4.00E-03
KPRC004	101	106	30	160	1.60E-02	0.003
KPRC005	0	4	30	340	3.40E-02	0.003
KPRC005	4	8	70	460	0.046	7.00E-03
KPRC005	8	12	220	530	5.30E-02	0.022
KPRC005	12	16	1200	3470	0.347	0.12
KPRC005	16	18	1230	4730	0.47299999	0.123
KPRC005	18	19	910	4670	0.46700001	9.10E-02
KPRC005	19	20	1140	5880	0.588	0.114
KPRC005	20	21	650	2710	0.271	6.50E-02
KPRC005	21	23	510	2690	0.26899999	5.10E-02
KPRC005	23	25	370	3010	0.301	0.037
KPRC005	25	27	720	3930	0.39300001	7.20E-02
KPRC005	27	28	600	3810	0.38100001	6.00E-02
KPRC005	28	29	280	5360	0.53600001	2.80E-02
KPRC005	29	30	180	8160	0.81599998	1.80E-02

KPRC005	30	31	160	22700	2.27	1.60E-02
KPRC005	31	32	210	52900	5.29	0.021
KPRC005	32	33	270	37700	3.77	2.70E-02
KPRC005	33	34	240	83500	8.3500004	0.024
KPRC005	34	35	600	52200	5.2199998	6.00E-02
KPRC005	35	36	220	76500	7.6500001	0.022
KPRC005	36	37	190	63900	6.3899999	1.90E-02
KPRC005	37	38	180	16500	1.65	1.80E-02
KPRC005	38	39	210	133500	13.35	0.021
KPRC005	39	40	450	144000	14.4	4.50E-02
KPRC005	40	41	330	113000	11.3	0.033
KPRC005	41	42	30	65300	6.5300002	0.003
KPRC005	42	43	10	47700	4.77	0.001
KPRC005	43	44	10	52600	5.2600002	0.001
KPRC005	44	45	-10	30900	3.0899999	-0.001
KPRC005	45	46	20	132500	13.25	2.00E-03
KPRC005	46	47	10	135500	13.55	0.001
KPRC005	47	48	30	59000	5.9000001	0.003
KPRC005	48	49	70	44500	4.4499998	7.00E-03
KPRC005	49	50	50	114000	11.4	5.00E-03
KPRC005	50	51	20	13600	1.36	2.00E-03
KPRC005	51	52	-10	5710	0.57099998	-0.001
KPRC005	52	53	10	2750	0.27500001	0.001
KPRC005	53	57	10	840	8.40E-02	0.001
KPRC005	57	61	10	270	2.70E-02	0.001
KPRC005	61	65	10	140	0.014	0.001
KPRC005	65	69	10	100	1.00E-02	0.001
KPRC005	69	73	20	330	0.033	2.00E-03
KPRC005	73	77	10	120	0.012	0.001
KPRC005	77	81	-10	70	7.00E-03	-0.001
KPRC005	81	85	-10	280	2.80E-02	-0.001
KPRC005	85	89	-10	80	8.00E-03	-0.001
KPRC005	89	93	-10	750	7.50E-02	-0.001
KPRC005	93	97	-10	290	2.90E-02	-0.001
KPRC005	97	101	-10	160	1.60E-02	-0.001
KPRC005	101	105	10	640	6.40E-02	0.001
KPRC005	105	109	10	330	0.033	0.001
KPRC005	109	113	30	240	0.024	0.003
KPRC005	113	117	70	980	9.80E-02	7.00E-03
KPRC005	117	121	50	860	8.60E-02	5.00E-03
KPRC005	121	125	20	310	3.10E-02	2.00E-03
KPRC005	125	129	20	230	0.023	2.00E-03
KPRC005	129	133	20	290	2.90E-02	2.00E-03
KPRC005	133	137	30	220	0.022	0.003
KPRC005	137	141	30	1660	0.16599999	0.003
KPRC005	141	144	30	650	6.50E-02	0.003
KPRC005	144	147	80	1060	0.106	8.00E-03
KPRC005	147	150	30	230	0.023	0.003
KPRC006	1	5	60	580	5.80E-02	6.00E-03
KPRC006	5	9	170	740	7.40E-02	1.70E-02
KPRC006	9	13	100	900	9.00E-02	1.00E-02
KPRC006	13	16	100	1450	0.145	1.00E-02
KPRC006	16	17	100	2510	0.25099999	1.00E-02
KPRC006	17	18	170	5890	0.58899999	1.70E-02
KPRC006	18	19	120	2550	0.255	0.012
KPRC006	19	23	70	1390	0.139	7.00E-03
KPRC006	23	27	130	950	9.50E-02	0.013
KPRC006	27	31	140	610	6.10E-02	0.014
KPRC006	31	35	90	590	0.059	9.00E-03
KPRC006	35	39	500	1380	0.138	5.00E-02
KPRC006	39	43	200	760	7.60E-02	0.02
KPRC006	43	47	140	400	4.00E-02	0.014
KPRC006	47	51	150	80	8.00E-03	0.015

KPRC006	51	55	200	50	5.00E-03	0.02
KPRC006	55	56	230	70	7.00E-03	0.023
KPRC006	58	62	200	140	0.014	0.02
KPRC006	62	66	270	30	0.003	2.70E-02
KPRC006	66	70	290	40	4.00E-03	2.90E-02
KPRC006	70	74	270	20	2.00E-03	2.70E-02
KPRC006	74	78	80	30	0.003	8.00E-03
KPRC006	78	82	100	70	7.00E-03	1.00E-02
KPRC006	82	86	100	30	0.003	1.00E-02
KPRC006	86	90	100	50	5.00E-03	1.00E-02
KPRC006	90	94	70	20	2.00E-03	7.00E-03
KPRC006	94	98	100	30	0.003	1.00E-02
KPRC006	98	102	120	40	4.00E-03	0.012
KPRC006	102	106	110	40	4.00E-03	0.011
KPRC006	106	110	90	100	1.00E-02	9.00E-03
KPRC006	110	114	80	50	5.00E-03	8.00E-03
KPRC006	114	117	90	80	8.00E-03	9.00E-03
KPRC007	0	4	30	90	9.00E-03	0.003
KPRC007	4	8	40	90	9.00E-03	4.00E-03
KPRC007	8	12	20	30	0.003	2.00E-03
KPRC007	12	16	40	30	0.003	4.00E-03
KPRC007	16	20	20	50	5.00E-03	2.00E-03
KPRC007	20	24	50	110	0.011	5.00E-03
KPRC007	24	28	80	240	0.024	8.00E-03
KPRC007	28	32	50	1250	0.125	5.00E-03
KPRC007	32	36	40	1480	0.148	4.00E-03
KPRC007	36	40	20	760	7.60E-02	2.00E-03
KPRC007	40	44	30	750	7.50E-02	0.003
KPRC007	44	48	50	1020	0.102	5.00E-03
KPRC007	48	52	30	550	0.055	0.003
KPRC007	52	56	10	280	2.80E-02	0.001
KPRC007	56	59	90	420	4.20E-02	9.00E-03
KPRC007	59	61	40	1270	0.127	4.00E-03
KPRC007	61	63	10	840	8.40E-02	0.001
KPRC007	63	65	10	150	0.015	0.001
KPRC007	65	67	20	90	9.00E-03	2.00E-03
KPRC007	67	69	20	80	8.00E-03	2.00E-03
KPRC007	69	71	40	90	9.00E-03	4.00E-03
KPRC007	71	73	40	70	7.00E-03	4.00E-03
KPRC007	73	75	30	50	5.00E-03	0.003
KPRC007	75	76	50	120	0.012	5.00E-03
KPRC007	76	77	60	180	1.80E-02	6.00E-03
KPRC007	77	78	70	120	0.012	7.00E-03
KPRC007	78	79	40	60	6.00E-03	4.00E-03
KPRC007	79	80	40	70	7.00E-03	4.00E-03
KPRC007	80	81	30	70	7.00E-03	0.003
KPRC007	81	82	40	90	9.00E-03	4.00E-03
KPRC007	82	84	50	80	8.00E-03	5.00E-03
KPRC007	84	86	30	60	6.00E-03	0.003
KPRC007	86	88	30	70	7.00E-03	0.003
KPRC007	88	90	50	70	7.00E-03	5.00E-03
KPRC007	90	92	40	70	7.00E-03	4.00E-03
KPRC007	92	94	40	80	8.00E-03	4.00E-03
KPRC007	94	96	50	70	7.00E-03	5.00E-03
KPRC007	96	98	60	90	9.00E-03	6.00E-03
KPRC007	98	100	60	100	1.00E-02	6.00E-03
KPRC007	100	102	50	100	1.00E-02	5.00E-03
KPRC007	102	104	50	60	6.00E-03	5.00E-03
KPRC007	104	106	40	60	6.00E-03	4.00E-03
KPRC007	106	108	50	40	4.00E-03	5.00E-03
KPRC007	108	110	40	70	7.00E-03	4.00E-03
KPRC007	110	114	60	60	6.00E-03	6.00E-03
KPRC007	114	118	40	40	4.00E-03	4.00E-03

KPRC007	118	122	50	50	5.00E-03	5.00E-03
KPRC007	122	126	40	60	6.00E-03	4.00E-03
KPRC007	126	130	50	70	7.00E-03	5.00E-03
KPRC007	130	134	40	60	6.00E-03	4.00E-03
KPRC007	134	138	40	70	7.00E-03	4.00E-03
KPRC007	138	142	50	60	6.00E-03	5.00E-03
KPRC007	142	146	50	100	1.00E-02	5.00E-03
KPRC007	146	150	30	110	0.011	0.003
KPRC008	0	4	10	220	0.022	0.001
KPRC008	4	8	30	290	2.90E-02	0.003
KPRC008	8	12	-10	250	0.025	-0.001
KPRC008	12	16	30	330	0.033	0.003
KPRC008	16	20	40	370	0.037	4.00E-03
KPRC008	20	24	40	300	3.00E-02	4.00E-03
KPRC008	24	28	30	350	0.035	0.003
KPRC008	28	32	50	390	3.90E-02	5.00E-03
KPRC008	32	36	80	570	0.057	8.00E-03
KPRC008	36	40	50	460	0.046	5.00E-03
KPRC008	40	44	50	400	4.00E-02	5.00E-03
KPRC008	44	48	40	550	0.055	4.00E-03
KPRC008	48	52	70	1670	0.167	7.00E-03
KPRC008	52	56	50	1300	0.13	5.00E-03
KPRC008	56	60	30	1300	0.13	0.003
KPRC008	60	64	40	850	8.50E-02	4.00E-03
KPRC008	64	68	30	1100	0.11	0.003
KPRC008	68	72	10	2610	0.26100001	0.001
KPRC008	72	76	-10	2130	0.213	-0.001
KPRC008	76	80	-10	620	6.20E-02	-0.001
KPRC008	80	84	20	170	1.70E-02	2.00E-03
KPRC008	84	88	10	340	3.40E-02	0.001
KPRC008	88	92	10	3580	0.35800001	0.001
KPRC008	92	96	20	400	4.00E-02	2.00E-03
KPRC008	96	100	30	570	0.057	0.003
KPRC008	100	104	20	400	4.00E-02	2.00E-03
KPRC008	104	108	30	350	0.035	0.003
KPRC008	108	112	10	270	2.70E-02	0.001
KPRC008	112	116	10	160	1.60E-02	0.001
KPRC009	1	5	10	480	0.048	0.001
KPRC009	5	9	80	630	6.30E-02	8.00E-03
KPRC009	9	13	50	520	5.20E-02	5.00E-03
KPRC009	13	17	260	740	7.40E-02	2.60E-02
KPRC009	17	21	420	980	9.80E-02	4.20E-02
KPRC009	21	25	920	1370	0.13699999	0.092
KPRC009	25	29	60	2430	0.243	6.00E-03
KPRC009	29	33	130	5040	0.50400001	0.013
KPRC009	33	37	140	3830	0.38299999	0.014
KPRC009	37	39	170	4020	0.40200001	1.70E-02
KPRC009	39	40	90	60400	6.04	9.00E-03
KPRC009	40	41	120	2830	0.28299999	0.012
KPRC009	41	42	90	95800	9.5799999	9.00E-03
KPRC009	42	43	150	156000	15.6	0.015
KPRC009	43	44	130	172500	17.25	0.013
KPRC009	44	45	150	113000	11.3	0.015
KPRC009	45	46	130	97200	9.7200003	0.013
KPRC009	46	47	90	117500	11.75	9.00E-03
KPRC009	47	48	90	80500	8.0500002	9.00E-03
KPRC009	48	49	120	62800	6.2800002	0.012
KPRC009	49	50	50	16550	1.655	5.00E-03
KPRC009	50	54	30	11850	1.1849999	0.003
KPRC009	54	58	30	34300	3.4300001	0.003
KPRC009	58	62	40	28700	2.8699999	4.00E-03
KPRC009	62	66	40	27300	2.73	4.00E-03
KPRC009	66	70	40	29100	2.9100001	4.00E-03

KPRC009	70	74	40	31500	3.1500001	4.00E-03
KPRC009	74	77	30	20200	2.02	0.003
KPRC009	77	80	30	20700	2.0699999	0.003
KPRC010	1	5	110	1590	0.15899999	0.011
KPRC010	5	9	260	2330	0.233	2.60E-02
KPRC010	9	13	450	2180	0.21799999	4.50E-02
KPRC010	13	16	210	2670	0.26699999	0.021
KPRC010	16	17	400	5240	0.52399999	4.00E-02
KPRC010	17	18	350	4980	0.498	0.035
KPRC010	18	19	280	17250	1.725	2.80E-02
KPRC010	19	20	200	99200	9.9200001	0.02
KPRC010	20	21	220	55200	5.52	0.022
KPRC010	21	22	210	16300	1.63	0.021
KPRC010	22	23	150	16700	1.67	0.015
KPRC010	23	24	190	36300	3.6300001	1.90E-02
KPRC010	24	25	200	34100	3.4100001	0.02
KPRC010	25	26	190	14800	1.48	1.90E-02
KPRC010	26	27	160	15300	1.53	1.60E-02
KPRC010	27	28	200	73400	7.3400002	0.02
KPRC010	28	29	290	60700	6.0700002	2.90E-02
KPRC010	29	30	240	90100	9.0100002	0.024
KPRC010	30	31	350	64400	6.4400001	0.035
KPRC010	31	32	160	37200	3.72	1.60E-02
KPRC010	32	33	170	32100	3.21	1.70E-02
KPRC010	33	34	210	23600	2.3599999	0.021
KPRC010	34	36	190	15900	1.59	1.90E-02
KPRC010	36	38	330	19700	1.97	0.033
KPRC010	38	40	180	15100	1.51	1.80E-02
KPRC010	40	42	110	12200	1.22	0.011
KPRC010	42	43	300	21500	2.1500001	3.00E-02
KPRC010	43	44	120	23200	2.3199999	0.012
KPRC010	44	45	110	17900	1.79	0.011
KPRC010	45	46	70	9820	0.98199999	7.00E-03
KPRC010	46	47	60	6600	0.66000003	6.00E-03
KPRC010	47	48	70	7530	0.75300002	7.00E-03
KPRC010	49	51	60	6950	0.69499999	6.00E-03
KPRC010	51	53	90	15300	1.53	9.00E-03
KPRC010	53	55	80	5820	0.58200002	8.00E-03
KPRC010	55	59	30	320	3.20E-02	0.003
KPRC010	59	63	70	340	3.40E-02	7.00E-03
KPRC010	63	67	70	340	3.40E-02	7.00E-03
KPRC010	67	71	30	150	0.015	0.003
KPRC010	71	75	-10	110	0.011	-0.001
KPRC010	75	79	20	200	0.02	2.00E-03
KPRC010	79	83	60	880	0.088	6.00E-03
KPRC010	83	87	80	1520	0.152	8.00E-03
KPRC010	87	91	70	1660	0.16599999	7.00E-03
KPRC010	91	95	50	630	6.30E-02	5.00E-03
KPRC010	95	99	20	300	3.00E-02	2.00E-03
KPRC010	99	100	30	340	3.40E-02	0.003
KPRC011	1	5	40	530	5.30E-02	4.00E-03
KPRC011	5	9	50	550	0.055	5.00E-03
KPRC011	9	13	80	600	6.00E-02	8.00E-03
KPRC011	13	17	160	660	0.066	1.60E-02
KPRC011	17	20	130	950	9.50E-02	0.013
KPRC011	20	23	70	1340	0.134	7.00E-03
KPRC011	23	25	60	980	9.80E-02	6.00E-03
KPRC011	25	28	80	1120	0.112	8.00E-03
KPRC011	28	31	360	2370	0.237	3.60E-02
KPRC011	31	35	70	1220	0.122	7.00E-03
KPRC011	35	39	120	1320	0.132	0.012
KPRC011	39	43	120	910	9.10E-02	0.012
KPRC011	43	46	370	1680	0.168	0.037

KPRC011	46	47	290	2310	0.23100001	2.90E-02
KPRC011	49	52	40	630	6.30E-02	4.00E-03
KPRC011	53	54	60	180	1.80E-02	6.00E-03
KPRC011	57	61	130	110	0.011	0.013
KPRC011	62	66	50	110	0.011	5.00E-03
KPRC011	66	70	50	50	5.00E-03	5.00E-03
KPRC011	70	74	20	100	1.00E-02	2.00E-03
KPRC011	74	78	30	130	0.013	0.003
KPRC011	78	82	60	50	5.00E-03	6.00E-03
KPRC011	82	86	30	20	2.00E-03	0.003
KPRC012	0	4	60	80	8.00E-03	6.00E-03
KPRC012	4	8	50	90	9.00E-03	5.00E-03
KPRC012	8	12	50	30	0.003	5.00E-03
KPRC012	12	16	20	20	2.00E-03	2.00E-03
KPRC012	16	20	20	-10	-0.001	2.00E-03
KPRC012	20	24	20	20	2.00E-03	2.00E-03
KPRC012	24	30	20	40	4.00E-03	2.00E-03
KPRC012	30	34	30	10	0.001	0.003
KPRC012	34	38	90	150	0.015	9.00E-03
KPRC012	38	42	100	1150	0.115	1.00E-02
KPRC012	42	46	220	740	7.40E-02	0.022
KPRC012	46	50	70	450	4.50E-02	7.00E-03
KPRC012	50	54	50	730	7.30E-02	5.00E-03
KPRC012	54	58	30	680	6.80E-02	0.003
KPRC012	58	62	150	1000	0.1	0.015
KPRC012	62	65	10	1070	0.107	0.001
KPRC012	65	66	20	2030	0.20299999	2.00E-03
KPRC012	66	67	10	250	0.025	0.001
KPRC012	67	68	20	140	0.014	2.00E-03
KPRC012	68	69	30	340	3.40E-02	0.003
KPRC012	69	70	30	240	0.024	0.003
KPRC012	70	71	30	80	8.00E-03	0.003
KPRC012	71	72	40	160	1.60E-02	4.00E-03
KPRC012	72	73	10	270	2.70E-02	0.001
KPRC012	73	74	30	580	5.80E-02	0.003
KPRC012	74	75	30	180	1.80E-02	0.003
KPRC012	75	76	30	160	1.60E-02	0.003
KPRC012	76	77	40	170	1.70E-02	4.00E-03
KPRC012	77	78	30	100	1.00E-02	0.003
KPRC012	78	79	20	110	0.011	2.00E-03
KPRC012	79	81	30	80	8.00E-03	0.003
KPRC012	82	84	30	80	8.00E-03	0.003
KPRC012	84	86	20	40	4.00E-03	2.00E-03
KPRC012	86	88	30	90	9.00E-03	0.003
KPRC012	88	90	20	50	5.00E-03	2.00E-03
KPRC012	90	92	20	60	6.00E-03	2.00E-03
KPRC012	92	94	30	40	4.00E-03	0.003
KPRC012	94	95	30	30	0.003	0.003
KPRC012	95	96	20	60	6.00E-03	2.00E-03
KPRC012	96	97	30	110	0.011	0.003
KPRC012	97	98	30	70	7.00E-03	0.003
KPRC012	98	100	10	50	5.00E-03	0.001
KPRC012	100	102	20	80	8.00E-03	2.00E-03
KPRC012	102	104	20	40	4.00E-03	2.00E-03
KPRC012	104	108	40	160	1.60E-02	4.00E-03
KPRC012	108	111	30	50	5.00E-03	0.003
KPRC013	0	4	20	210	0.021	2.00E-03
KPRC013	4	8	10	220	0.022	0.001
KPRC013	8	12	-10	340	3.40E-02	-0.001
KPRC013	12	16	10	160	1.60E-02	0.001
KPRC013	16	20	10	130	0.013	0.001
KPRC013	20	24	20	330	0.033	2.00E-03
KPRC013	24	28	20	200	0.02	2.00E-03

KPRC013	28	32	10	320	3.20E-02	0.001
KPRC013	32	36	10	490	4.90E-02	0.001
KPRC013	36	40	50	340	3.40E-02	5.00E-03
KPRC013	40	44	30	210	0.021	0.003
KPRC013	44	48	70	220	0.022	7.00E-03
KPRC013	48	52	40	170	1.70E-02	4.00E-03
KPRC013	52	56	60	320	3.20E-02	6.00E-03
KPRC013	56	60	80	190	1.90E-02	8.00E-03
KPRC013	60	64	60	180	1.80E-02	6.00E-03
KPRC013	64	68	40	160	1.60E-02	4.00E-03
KPRC013	68	72	30	170	1.70E-02	0.003
KPRC013	72	76	50	110	0.011	5.00E-03
KPRC013	76	80	30	230	0.023	0.003
KPRC013	80	84	30	140	0.014	0.003
KPRC013	84	88	40	600	6.00E-02	4.00E-03
KPRC013	88	92	40	540	5.40E-02	4.00E-03
KPRC013	92	96	40	220	0.022	4.00E-03
KPRC013	96	100	20	130	0.013	2.00E-03
KPRC013	100	104	30	440	0.044	0.003
KPRC013	104	108	50	530	5.30E-02	5.00E-03
KPRC013	108	112	20	90	9.00E-03	2.00E-03
KPRC013	112	116	20	90	9.00E-03	2.00E-03
KPRC013	116	119	60	610	6.10E-02	6.00E-03
KPRC013	119	121	10	380	3.80E-02	0.001
KPRC014	0	4	20	370	0.037	2.00E-03
KPRC014	4	8	40	330	0.033	4.00E-03
KPRC014	8	12	20	230	0.023	2.00E-03
KPRC014	12	16	10	260	2.60E-02	0.001
KPRC014	16	20	10	240	0.024	0.001
KPRC014	20	24	20	330	0.033	2.00E-03
KPRC014	24	26	120	710	7.10E-02	0.012
KPRC014	26	28	200	1330	0.133	0.02
KPRC014	28	30	300	1540	0.154	3.00E-02
KPRC014	30	32	450	2450	0.245	4.50E-02
KPRC014	32	34	280	41400	4.1399999	2.80E-02
KPRC014	34	36	190	2630	0.26300001	1.90E-02
KPRC014	36	37	170	3430	0.34299999	1.70E-02
KPRC014	37	38	110	4970	0.49700001	0.011
KPRC014	38	39	120	19800	1.98	0.012
KPRC014	39	40	60	9320	0.93199998	6.00E-03
KPRC014	40	41	150	7920	0.792	0.015
KPRC014	41	42	120	7750	0.77499998	0.012
KPRC014	42	43	140	5530	0.55299997	0.014
KPRC014	43	44	130	6220	0.62199998	0.013
KPRC014	44	45	260	3800	0.38	2.60E-02
KPRC014	45	46	300	5740	0.574	3.00E-02
KPRC014	46	47	250	37400	3.74	0.025
KPRC014	47	48	120	19600	1.96	0.012
KPRC014	48	49	110	65000	6.5	0.011
KPRC014	49	50	90	159500	15.95	9.00E-03
KPRC014	50	51	190	117000	11.7	1.90E-02
KPRC014	51	52	240	76000	7.5999999	0.024
KPRC014	52	53	170	109000	10.9	1.70E-02
KPRC014	53	54	100	205000	20.5	1.00E-02
KPRC014	54	55	120	170500	17.049999	0.012
KPRC014	55	56	110	105500	10.55	0.011
KPRC014	56	57	110	92700	9.2700005	0.011
KPRC014	57	58	180	110500	11.05	1.80E-02
KPRC014	58	59	90	83700	8.3699999	9.00E-03
KPRC014	59	60	80	65200	6.52	8.00E-03
KPRC014	60	61	100	73500	7.3499999	1.00E-02
KPRC014	61	62	120	60000	6	0.012
KPRC014	62	63	100	53700	5.3699999	1.00E-02

KPRC014	63	64	100	55200	5.52	1.00E-02
KPRC014	64	65	100	47300	4.73	1.00E-02
KPRC014	65	66	80	45200	4.52	8.00E-03
KPRC014	66	67	160	45500	4.5500002	1.60E-02
KPRC014	67	68	90	30900	3.0899999	9.00E-03
KPRC014	68	69	130	33800	3.3800001	0.013
KPRC014	69	70	160	40800	4.0799999	1.60E-02
KPRC014	70	71	50	33600	3.3599999	5.00E-03
KPRC014	71	72	70	42700	4.27	7.00E-03
KPRC014	72	73	90	41800	4.1799998	9.00E-03
KPRC014	73	75	90	2660	0.266	9.00E-03
KPRC014	75	77	100	6870	0.68699998	1.00E-02
KPRC014	77	79	70	15600	1.5599999	7.00E-03
KPRC014	79	83	60	9170	0.917	6.00E-03
KPRC014	83	87	50	1900	0.19	5.00E-03
KPRC014	87	91	30	540	5.40E-02	0.003
KPRC014	91	93	40	440	0.044	4.00E-03
KPRC014	93	95	90	1070	0.107	9.00E-03
KPRC014	95	97	50	1710	0.171	5.00E-03
KPRC014	97	99	30	19300	1.9299999	0.003
KPRC014	99	101	20	14600	1.46	2.00E-03
KPRC014	101	103	40	580	5.80E-02	4.00E-03
KPRC014	103	105	10	21400	2.1400001	0.001
KPRC014	105	107	10	6760	0.676	0.001
KPRC014	107	109	10	16000	1.6	0.001
KPRC014	109	111	-10	8560	0.85600001	-0.001
KPRC014	111	113	-10	3230	0.32300001	-0.001
KPRC014	113	115	10	7620	0.76200002	0.001
KPRC014	115	119	10	8470	0.847	0.001
KPRC014	119	123	-10	6980	0.69800001	-0.001
KPRC014	123	125	-10	13400	1.34	-0.001
KPRC014	125	127	10	27500	2.75	0.001
KPRC014	127	131	20	17200	1.72	2.00E-03
KPRC014	131	135	50	2760	0.27599999	5.00E-03
KPRC014	135	139	80	740	7.40E-02	8.00E-03
KPRC014	139	141	50	490	4.90E-02	5.00E-03
KPRC014	141	144	90	4390	0.43900001	9.00E-03
KPRC014	144	147	60	2050	0.205	6.00E-03
KPRC014	147	150	60	310	3.10E-02	6.00E-03
KPRC014	1	5	30	600	6.00E-02	
KPRC014	5	9	50	660	0.066	
KPRC014	9	13	60	1030	0.103	
KPRC014	13	15	80	1370	0.13699999	
KPRC014	15	17	890	2650	0.26499999	
KPRC014	17	19	680	2780	0.278	
KPRC014	19	23	460	4560	0.456	
KPRC014	23	27	240	1820	0.182	
KPRC014	27	31	140	3050	0.30500001	
KPRC015	31	35	100	3210	0.32100001	1.00E-02
KPRC015	35	39	70	1640	0.164	7.00E-03
KPRC015	39	43	40	820	8.20E-02	4.00E-03
KPRC015	43	47	60	990	9.90E-02	6.00E-03
KPRC015	47	51	50	1530	0.153	5.00E-03
KPRC015	51	55	40	1220	0.122	4.00E-03
KPRC015	55	59	50	840	8.40E-02	5.00E-03
KPRC015	59	63	30	620	6.20E-02	0.003
KPRC015	63	67	50	420	4.20E-02	5.00E-03
KPRC015	67	71	40	70	7.00E-03	4.00E-03
KPRC015	71	75	40	70	7.00E-03	4.00E-03
KPRC015	75	79	70	150	0.015	7.00E-03
KPRC015	79	83	60	60	6.00E-03	6.00E-03
KPRC015	83	87	60	90	9.00E-03	6.00E-03
KPRC015	87	91	70	90	9.00E-03	7.00E-03

KPRC015	91	94	30	70	7.00E-03	0.003
KPRC015	94	97	50	70	7.00E-03	5.00E-03
KPRC015	97	100	60	70	7.00E-03	6.00E-03
KPRC016	0	4	20	230	0.023	2.00E-03
KPRC016	4	8	10	180	1.80E-02	0.001
KPRC016	8	12	20	90	9.00E-03	2.00E-03
KPRC016	12	16	20	70	7.00E-03	2.00E-03
KPRC016	16	20	20	110	0.011	2.00E-03
KPRC016	20	24	10	80	8.00E-03	0.001
KPRC016	24	28	20	60	6.00E-03	2.00E-03
KPRC016	28	32	20	50	5.00E-03	2.00E-03
KPRC016	32	36	10	70	7.00E-03	0.001
KPRC016	36	40	20	40	4.00E-03	2.00E-03
KPRC016	40	44	110	420	4.20E-02	0.011
KPRC016	44	48	40	390	3.90E-02	4.00E-03
KPRC016	48	52	30	250	0.025	0.003
KPRC016	52	56	10	260	2.60E-02	0.001
KPRC016	56	60	30	340	3.40E-02	0.003
KPRC016	60	64	50	310	3.10E-02	5.00E-03
KPRC016	64	68	20	990	9.90E-02	2.00E-03
KPRC016	68	72	10	530	5.30E-02	0.001
KPRC016	72	73	20	140	0.014	2.00E-03
KPRC016	73	74	20	120	0.012	2.00E-03
KPRC016	74	75	20	2660	0.266	2.00E-03
KPRC016	75	76	20	300	3.00E-02	2.00E-03
KPRC016	76	80	30	80	8.00E-03	0.003
KPRC016	80	83	30	80	8.00E-03	0.003
KPRC016	83	86	20	50	5.00E-03	2.00E-03
KPRC017	0	4	20	320	3.20E-02	2.00E-03
KPRC017	4	8	10	220	0.022	0.001
KPRC017	8	12	60	320	3.20E-02	6.00E-03
KPRC017	12	16	50	370	0.037	5.00E-03
KPRC017	16	20	330	1180	0.118	0.033
KPRC017	20	24	220	1080	0.108	0.022
KPRC017	24	28	170	1960	0.19599999	1.70E-02
KPRC017	28	32	170	1270	0.127	1.70E-02
KPRC017	32	36	160	1340	0.134	1.60E-02
KPRC017	36	40	160	1250	0.125	1.60E-02
KPRC017	40	44	110	940	9.40E-02	0.011
KPRC017	44	48	120	750	7.50E-02	0.012
KPRC017	48	52	200	1920	0.192	0.02
KPRC017	52	56	310	3260	0.32600001	3.10E-02
KPRC017	56	60	160	3660	0.366	1.60E-02
KPRC017	60	61	220	5720	0.57200003	0.022
KPRC017	63	64	280	32700	3.27	2.80E-02
KPRC017	64	65	200	17500	1.75	0.02
KPRC017	65	66	80	19400	1.9400001	8.00E-03
KPRC017	66	67	60	7570	0.75700003	6.00E-03
KPRC017	67	69	50	9710	0.97100002	5.00E-03
KPRC017	69	71	80	19200	1.92	8.00E-03
KPRC017	71	73	50	16800	1.6799999	5.00E-03
KPRC017	73	75	40	11100	1.11	4.00E-03
KPRC017	75	77	50	7730	0.773	5.00E-03
KPRC017	77	79	50	12200	1.22	5.00E-03
KPRC017	79	83	50	11700	1.17	5.00E-03
KPRC017	83	87	80	26200	2.6199999	8.00E-03
KPRC017	87	91	40	13400	1.34	4.00E-03
KPRC017	91	95	60	16600	1.66	6.00E-03
KPRC017	95	99	70	8490	0.84899998	7.00E-03
KPRC017	99	101	60	1780	0.178	6.00E-03
KPRC018	0	4	20	580	5.80E-02	2.00E-03
KPRC018	4	8	30	320	3.20E-02	0.003
KPRC018	8	12	90	800	8.00E-02	9.00E-03

KPRC018	12	14	270	2080	0.208	2.70E-02
KPRC018	14	16	570	2620	0.26199999	0.057
KPRC018	16	17	1100	4210	0.421	0.11
KPRC018	17	18	1240	4980	0.498	0.124
KPRC018	18	19	1450	30300	3.03	0.145
KPRC018	19	20	1080	51900	5.1900001	0.108
KPRC018	20	21	860	9100	0.91000003	8.60E-02
KPRC018	21	22	600	17400	1.74	6.00E-02
KPRC018	22	23	600	15900	1.59	6.00E-02
KPRC018	23	24	640	15400	1.54	6.40E-02
KPRC018	24	25	380	25300	2.53	3.80E-02
KPRC018	25	26	390	26400	2.6400001	3.90E-02
KPRC018	27	28	310	204000	20.4	3.10E-02
KPRC018	28	29	240	107500	10.75	0.024
KPRC018	30	31	260	98400	9.8400002	2.60E-02
KPRC018	31	32	470	91300	9.1300001	4.70E-02
KPRC018	32	33	410	51600	5.1599998	4.10E-02
KPRC018	33	34	450	68000	6.8000002	4.50E-02
KPRC018	34	35	410	79600	7.96	4.10E-02
KPRC018	35	36	210	73600	7.3600001	0.021
KPRC018	36	37	390	41200	4.1199999	3.90E-02
KPRC018	37	38	250	24600	2.46	0.025
KPRC018	38	39	310	44500	4.4499998	3.10E-02
KPRC018	39	40	240	87900	8.79	0.024
KPRC018	40	41	320	60900	6.0900002	3.20E-02
KPRC018	41	42	100	20300	2.03	1.00E-02
KPRC018	42	43	80	11300	1.13	8.00E-03
KPRC018	43	44	100	6690	0.66900003	1.00E-02
KPRC018	44	45	180	20400	2.04	1.80E-02
KPRC018	45	46	210	12500	1.25	0.021
KPRC018	46	47	200	115000	11.5	0.02
KPRC018	47	48	190	28400	2.8399999	1.90E-02
KPRC018	48	49	120	9630	0.963	0.012
KPRC018	49	50	90	6490	0.64899999	9.00E-03
KPRC018	50	51	680	13100	1.3099999	6.80E-02
KPRC018	51	52	660	75300	7.5300002	0.066
KPRC018	52	53	290	24900	2.49	2.90E-02
KPRC018	53	54	300	25100	2.51	3.00E-02
KPRC018	54	55	380	31100	3.1099999	3.80E-02
KPRC018	55	59	140	5970	0.597	0.014
KPRC018	59	63	140	2600	0.25999999	0.014
KPRC018	63	67	80	2820	0.28200001	8.00E-03
KPRC018	67	71	80	1560	0.156	8.00E-03
KPRC018	71	75	90	2490	0.249	9.00E-03
KPRC018	75	79	30	210	0.021	0.003
KPRC018	79	83	50	270	2.70E-02	5.00E-03
KPRC018	83	87	100	1120	0.112	1.00E-02
KPRC018	87	91	60	910	9.10E-02	6.00E-03
KPRC018	91	95	70	2420	0.242	7.00E-03
KPRC018	95	99	50	3080	0.308	5.00E-03
KPRC018	99	103	50	3850	0.38499999	5.00E-03
KPRC018	103	107	50	4340	0.43399999	5.00E-03
KPRC018	107	111	30	710	7.10E-02	0.003
KPRC018	111	115	-10	1090	0.109	-0.001
KPRC018	115	118	10	2090	0.20900001	0.001
KPRC018	118	120	40	3790	0.37900001	4.00E-03
KPRC019	5	9	430	1970	0.197	4.30E-02
KPRC019	9	13	270	4330	0.433	2.70E-02
KPRC019	13	14	260	5930	0.59299999	2.60E-02
KPRC019	14	15	190	9920	0.99199998	1.90E-02
KPRC019	15	16	150	94600	9.46	0.015
KPRC019	16	17	130	74000	7.4000001	0.013
KPRC019	17	18	170	19400	1.9400001	1.70E-02

KPRC019	18	19	70	7120	0.71200001	7.00E-03
KPRC019	19	20	140	26200	2.6199999	0.014
KPRC019	20	21	150	3190	0.31900001	0.015
KPRC019	21	22	130	6400	0.63999999	0.013
KPRC019	22	23	100	4300	0.43000001	1.00E-02
KPRC019	23	24	70	4950	0.495	7.00E-03
KPRC019	24	25	110	11200	1.12	0.011
KPRC019	25	26	50	5630	0.56300002	5.00E-03
KPRC019	26	27	60	16000	1.6	6.00E-03
KPRC019	27	28	70	8320	0.83200002	7.00E-03
KPRC019	28	29	70	14800	1.48	7.00E-03
KPRC019	29	30	70	7060	0.70599997	7.00E-03
KPRC019	30	31	40	9590	0.95899999	4.00E-03
KPRC019	31	32	40	12600	1.26	4.00E-03
KPRC019	32	33	60	9150	0.91500002	6.00E-03
KPRC019	33	34	100	4250	0.42500001	1.00E-02
KPRC019	34	35	80	5980	0.59799999	8.00E-03
KPRC019	35	36	50	7890	0.78899997	5.00E-03
KPRC019	36	37	70	4730	0.47299999	7.00E-03
KPRC019	37	38	70	4760	0.47600001	7.00E-03
KPRC019	38	39	90	6790	0.67900002	9.00E-03
KPRC019	39	40	70	5180	0.51800001	7.00E-03
KPRC019	40	42	80	9380	0.93800002	8.00E-03
KPRC019	42	44	60	7500	0.75	6.00E-03
KPRC019	44	46	50	7430	0.74299997	5.00E-03
KPRC019	46	48	60	4870	0.48699999	6.00E-03
KPRC019	48	50	80	4270	0.42699999	8.00E-03
KPRC019	50	52	50	1690	0.169	5.00E-03
KPRC019	52	54	40	990	9.90E-02	4.00E-03
KPRC019	54	56	90	1100	0.11	9.00E-03
KPRC019	56	58	70	1760	0.176	7.00E-03
KPRC019	58	60	10	240	0.024	0.001
KPRC019	60	64	60	230	0.023	6.00E-03
KPRC019	64	68	60	480	0.048	6.00E-03
KPRC019	68	72	60	1730	0.17299999	6.00E-03
KPRC019	72	76	90	1850	0.185	9.00E-03
KPRC019	76	80	70	460	0.046	7.00E-03
KPRC019	80	84	60	910	9.10E-02	6.00E-03
KPRC019	84	88	50	770	0.077	5.00E-03
KPRC019	88	92	70	2010	0.20100001	7.00E-03
KPRC019	92	96	60	1460	0.146	6.00E-03
KPRC019	96	100	50	980	9.80E-02	5.00E-03
KPRC019	100	104	70	1360	0.13600001	7.00E-03
KPRC019	104	108	60	640	6.40E-02	6.00E-03
KPRC019	108	112	110	1060	0.106	0.011
KPRC019	112	116	50	900	9.00E-02	5.00E-03
KPRC019	116	120	40	370	0.037	4.00E-03
KPRC020	1	5	70	790	7.90E-02	7.00E-03
KPRC020	5	9	480	1380	0.138	0.048
KPRC020	9	13	100	820	8.20E-02	1.00E-02
KPRC020	13	17	100	1570	0.15700001	1.00E-02
KPRC020	17	21	80	930	9.30E-02	8.00E-03
KPRC020	21	25	60	1150	0.115	6.00E-03
KPRC020	25	29	80	1240	0.124	8.00E-03
KPRC020	29	33	40	1450	0.145	4.00E-03
KPRC020	33	37	60	1540	0.154	6.00E-03
KPRC020	37	41	30	960	9.60E-02	0.003
KPRC020	41	45	60	960	9.60E-02	6.00E-03
KPRC020	45	49	40	1220	0.122	4.00E-03
KPRC020	49	53	30	1720	0.17200001	0.003
KPRC020	53	57	50	1160	0.116	5.00E-03
KPRC020	57	61	70	940	9.40E-02	7.00E-03
KPRC020	61	65	70	1470	0.147	7.00E-03

KPRC020	65	69	60	1170	0.117	6.00E-03
KPRC020	69	73	70	1200	0.12	7.00E-03
KPRC020	73	77	110	1760	0.176	0.011
KPRC020	77	80	90	1180	0.118	9.00E-03
KPRC021	1	5	240	560	5.60E-02	0.024
KPRC021	5	9	110	310	3.10E-02	0.011
KPRC021	9	13	70	130	0.013	7.00E-03
KPRC021	13	17	40	10	0.001	4.00E-03
KPRC021	17	21	40	10	0.001	4.00E-03
KPRC021	21	25	60	40	4.00E-03	6.00E-03
KPRC021	25	29	40	50	5.00E-03	4.00E-03
KPRC021	29	33	20	90	9.00E-03	2.00E-03
KPRC021	33	37	10	50	5.00E-03	0.001
KPRC021	37	41	10	10	0.001	0.001
KPRC021	41	45	20	20	2.00E-03	2.00E-03
KPRC021	49	53	10	30	0.003	0.001
KPRC021	53	57	20	60	6.00E-03	2.00E-03
KPRC021	57	61	10	50	5.00E-03	0.001
KPRC021	61	65	40	960	9.60E-02	4.00E-03
KPRC021	65	69	50	1340	0.134	5.00E-03
KPRC021	69	73	10	1120	0.112	0.001
KPRC021	73	77	10	990	9.90E-02	0.001
KPRC021	77	81	10	1030	0.103	0.001
KPRC021	81	85	10	1440	0.14399999	0.001
KPRC021	85	89	30	1320	0.132	0.003
KPRC021	89	93	10	1330	0.133	0.001
KPRC021	93	97	30	470	4.70E-02	0.003
KPRC021	97	99	60	230	0.023	6.00E-03
KPRC021	99	100	30	210	0.021	0.003
KPRC021	100	101	50	190	1.90E-02	5.00E-03
KPRC021	101	102	60	200	0.02	6.00E-03
KPRC021	102	103	40	110	0.011	4.00E-03
KPRC021	103	104	40	160	1.60E-02	4.00E-03
KPRC021	104	106	30	770	0.077	0.003
KPRC021	106	108	50	250	0.025	5.00E-03
KPRC021	108	110	40	160	1.60E-02	4.00E-03
KPRC021	110	112	60	130	0.013	6.00E-03
KPRC021	112	114	40	260	2.60E-02	4.00E-03
KPRC021	114	116	50	150	0.015	5.00E-03
KPRC021	116	118	30	170	1.70E-02	0.003
KPRC021	118	120	60	140	0.014	6.00E-03
KPRC021	120	122	70	180	1.80E-02	7.00E-03
KPRC021	122	124	50	120	0.012	5.00E-03
KPRC021	124	126	40	420	4.20E-02	4.00E-03
KPRC021	126	128	70	130	0.013	7.00E-03
KPRC021	128	129	50	120	0.012	5.00E-03
KPRC021	129	130	50	80	8.00E-03	5.00E-03
KPRC021	130	131	40	3940	0.39399999	4.00E-03
KPRC021	131	132	20	930	9.30E-02	2.00E-03
KPRC021	132	133	60	370	0.037	6.00E-03
KPRC021	133	134	60	41200	4.1199999	6.00E-03
KPRC021	134	135	40	10700	1.0700001	4.00E-03
KPRC021	135	136	30	2030	0.20299999	0.003
KPRC021	136	138	40	2090	0.20900001	4.00E-03
KPRC021	138	140	40	250	0.025	4.00E-03
KPRC021	140	142	30	170	1.70E-02	0.003
KPRC021	142	144	50	370	0.037	5.00E-03
KPRC021	144	146	40	220	0.022	4.00E-03
KPRC021	146	148	30	80	8.00E-03	0.003
KPRC021	148	150	50	260	2.60E-02	5.00E-03
KPRC022	0	4	30	650	6.50E-02	0.003
KPRC022	4	8	30	460	0.046	0.003
KPRC022	8	12	20	480	0.048	2.00E-03

KPRC022	12	16	30	360	3.60E-02	0.003
KPRC022	16	20	30	490	4.90E-02	0.003
KPRC022	20	24	80	580	5.80E-02	8.00E-03
KPRC022	24	28	70	990	9.90E-02	7.00E-03
KPRC022	28	32	100	1630	0.163	1.00E-02
KPRC022	32	36	50	1420	0.142	5.00E-03
KPRC022	36	40	30	1640	0.164	0.003
KPRC022	40	44	30	2020	0.20200001	0.003
KPRC022	44	48	10	1510	0.15099999	0.001
KPRC022	48	52	20	1530	0.153	2.00E-03
KPRC022	52	56	40	1810	0.18099999	4.00E-03
KPRC022	56	57	20	5970	0.597	2.00E-03
KPRC022	57	58	50	4570	0.45699999	5.00E-03
KPRC022	58	59	30	13000	1.3	0.003
KPRC022	59	60	10	9380	0.93800002	0.001
KPRC022	60	61	10	17700	1.77	0.001
KPRC022	61	62	-10	19600	1.96	-0.001
KPRC022	62	63	10	11800	1.1799999	0.001
KPRC022	63	64	-10	15200	1.52	-0.001
KPRC022	64	65	-10	2950	0.29499999	-0.001
KPRC022	65	66	-10	33200	3.3199999	-0.001
KPRC022	66	67	-10	2690	0.26899999	-0.001
KPRC022	67	69	-10	980	9.80E-02	-0.001
KPRC022	69	71	-10	750	7.50E-02	-0.001
KPRC022	71	73	-10	1520	0.152	-0.001
KPRC022	73	75	-10	810	0.081	-0.001
KPRC022	75	76	20	860	8.60E-02	2.00E-03
KPRC022	76	77	50	2190	0.219	5.00E-03
KPRC022	77	78	40	1890	0.189	4.00E-03
KPRC022	78	79	40	3830	0.38299999	4.00E-03
KPRC022	79	80	30	15400	1.54	0.003
KPRC022	80	81	40	16700	1.67	4.00E-03
KPRC022	81	82	40	10000	1	4.00E-03
KPRC022	82	83	10	2140	0.214	0.001
KPRC022	83	84	10	1760	0.176	0.001
KPRC022	84	85	40	51400	5.1399999	4.00E-03
KPRC022	85	86	20	28100	2.8099999	2.00E-03
KPRC022	86	87	40	5780	0.57800001	4.00E-03
KPRC022	87	88	30	1660	0.16599999	0.003
KPRC022	88	92	50	1590	0.15899999	5.00E-03
KPRC022	92	96	250	1350	0.13500001	0.025
KPRC022	96	100	90	1820	0.182	9.00E-03
KPRC022	100	104	70	1330	0.133	7.00E-03
KPRC022	104	108	40	540	5.40E-02	4.00E-03
KPRC022	108	112	80	700	0.07	8.00E-03
KPRC022	112	116	190	1330	0.133	1.90E-02
KPRC022	116	120	90	1180	0.118	9.00E-03
KPRC022	120	124	70	1200	0.12	7.00E-03
KPRC022	124	127	70	930	9.30E-02	7.00E-03
KPRC022	127	130	80	650	6.50E-02	8.00E-03
KPRC023	4	8	60	140	0.014	6.00E-03
KPRC023	8	12	10	40	4.00E-03	0.001
KPRC023	12	16	10	70	7.00E-03	0.001
KPRC023	16	20	10	30	0.003	0.001
KPRC023	20	24	10	40	4.00E-03	0.001
KPRC023	24	28	-10	10	0.001	-0.001
KPRC023	28	32	10	-10	-0.001	0.001
KPRC023	32	36	10	-10	-0.001	0.001
KPRC023	36	40	10	-10	-0.001	0.001
KPRC023	40	44	-10	-10	-0.001	-0.001
KPRC023	44	48	-10	30	0.003	-0.001
KPRC023	48	52	-10	-10	-0.001	-0.001
KPRC023	52	56	10	-10	-0.001	0.001

KPRC023	56	60	20	-10	-0.001	2.00E-03
KPRC023	60	64	10	-10	-0.001	0.001
KPRC023	64	68	10	-10	-0.001	0.001
KPRC023	68	72	10	10	0.001	0.001
KPRC023	72	76	10	-10	-0.001	0.001
KPRC023	76	80	10	20	2.00E-03	0.001
KPRC024	2	6	40	30	0.003	4.00E-03
KPRC024	6	10	10	-10	-0.001	0.001
KPRC024	10	14	10	-10	-0.001	0.001
KPRC024	14	18	10	-10	-0.001	0.001
KPRC024	18	22	20	-10	-0.001	2.00E-03
KPRC024	22	26	10	-10	-0.001	0.001
KPRC024	26	30	-10	10	0.001	-0.001
KPRC024	30	34	10	-10	-0.001	0.001
KPRC024	34	38	10	-10	-0.001	0.001
KPRC024	38	42	10	-10	-0.001	0.001
KPRC024	42	46	10	-10	-0.001	0.001
KPRC024	46	50	10	-10	-0.001	0.001
KPRC024	50	54	10	-10	-0.001	0.001
KPRC024	54	58	10	-10	-0.001	0.001
KPRC024	58	62	-10	-10	-0.001	-0.001
KPRC024	62	66	-10	30	0.003	-0.001
KPRC024	66	70	-10	-10	-0.001	-0.001
KPRC024	70	74	10	-10	-0.001	0.001
KPRC024	74	77	10	-10	-0.001	0.001
KPRC024	77	80	10	30	0.003	0.001
KPRC025	2	6	20	10	0.001	2.00E-03
KPRC025	6	10	10	-10	-0.001	0.001
KPRC025	10	14	10	-10	-0.001	0.001
KPRC025	14	18	10	-10	-0.001	0.001
KPRC025	18	22	-10	-10	-0.001	-0.001
KPRC025	22	26	10	-10	-0.001	0.001
KPRC025	26	30	10	-10	-0.001	0.001
KPRC025	30	34	20	-10	-0.001	2.00E-03
KPRC025	34	38	10	-10	-0.001	0.001
KPRC025	38	42	10	-10	-0.001	0.001
KPRC025	42	46	10	-10	-0.001	0.001
KPRC025	46	50	-10	-10	-0.001	-0.001
KPRC025	50	54	-10	20	2.00E-03	-0.001
KPRC025	54	58	10	10	0.001	0.001
KPRC025	58	62	-10	10	0.001	-0.001
KPRC025	62	66	-10	-10	-0.001	-0.001
KPRC025	66	70	-10	-10	-0.001	-0.001
KPRC025	70	74	-10	-10	-0.001	-0.001
KPRC025	74	76	10	10	0.001	0.001
KPRC025	76	78	10	-10	-0.001	0.001
KPRC025	78	80	-10	-10	-0.001	-0.001
KPRC026	4	8	10	620	6.20E-02	0.001
KPRC026	8	12	10	550	0.055	0.001
KPRC026	12	16	10	510	5.10E-02	0.001
KPRC026	16	20	10	280	2.80E-02	0.001
KPRC026	20	24	20	220	0.022	2.00E-03
KPRC026	24	28	20	470	4.70E-02	2.00E-03
KPRC026	28	32	20	810	0.081	2.00E-03
KPRC026	32	36	10	560	5.60E-02	0.001
KPRC026	36	40	10	790	7.90E-02	0.001
KPRC026	40	44	-10	630	6.30E-02	-0.001
KPRC026	44	48	20	420	4.20E-02	2.00E-03
KPRC026	48	52	40	470	4.70E-02	4.00E-03
KPRC026	52	56	40	790	7.90E-02	4.00E-03
KPRC026	56	60	110	970	9.70E-02	0.011
KPRC026	60	64	80	930	9.30E-02	8.00E-03
KPRC026	64	68	100	1000	0.1	1.00E-02

KPRC026	68	72	80	780	7.80E-02	8.00E-03
KPRC026	72	76	50	260	2.60E-02	5.00E-03
KPRC026	76	80	30	80	8.00E-03	0.003
KPRC026	80	84	40	790	7.90E-02	4.00E-03
KPRC026	84	88	20	50	5.00E-03	2.00E-03
KPRC026	88	92	30	70	7.00E-03	0.003
KPRC026	92	96	30	60	6.00E-03	0.003
KPRC026	96	100	30	60	6.00E-03	0.003
KPRC026	100	104	40	60	6.00E-03	4.00E-03
KPRC026	104	107	30	60	6.00E-03	0.003
KPRC026	115	117	70	360	3.60E-02	7.00E-03
KPRC026	118	121	70	120	0.012	7.00E-03
KPRC026	122	126	180	150	0.015	1.80E-02
KPRC026	130	134	120	140	0.014	0.012
KPRC026	134	138	140	350	0.035	0.014
KPRC026	138	142	120	390	3.90E-02	0.012
KPRC026	142	146	70	100	1.00E-02	7.00E-03
KPRC026	146	150	60	240	0.024	6.00E-03
KPRC027	6	10	270	500	5.00E-02	2.70E-02
KPRC027	10	14	360	740	7.40E-02	3.60E-02
KPRC027	14	18	380	750	7.50E-02	3.80E-02
KPRC027	18	22	1440	1830	0.183	0.14399999
KPRC027	22	26	1750	2170	0.21699999	0.175
KPRC027	26	30	1070	1540	0.154	0.107
KPRC027	30	34	700	1380	0.138	0.07
KPRC027	34	38	1200	2100	0.20999999	0.12
KPRC027	38	42	1410	2810	0.28099999	0.141
KPRC027	42	46	790	2380	0.23800001	7.90E-02
KPRC027	46	50	670	2450	0.245	6.70E-02
KPRC027	50	54	1120	5460	0.546	0.112
KPRC027	54	56	540	5010	0.50099999	5.40E-02
KPRC027	56	57	320	14300	1.4299999	3.20E-02
KPRC027	57	61	120	6310	0.63099998	0.012
KPRC027	64	68	30	1180	0.118	0.003
KPRC027	68	72	70	900	9.00E-02	7.00E-03
KPRC027	72	76	60	800	8.00E-02	6.00E-03
KPRC027	76	80	180	1310	0.131	1.80E-02
KPRC027	80	84	40	530	5.30E-02	4.00E-03
KPRC027	84	88	40	540	5.40E-02	4.00E-03
KPRC027	88	92	10	350	0.035	0.001
KPRC027	92	96	100	440	0.044	1.00E-02
KPRC027	96	100	30	320	3.20E-02	0.003
KPRC028	0	2	70	320	3.20E-02	7.00E-03
KPRC028	4	5	60	300	3.00E-02	6.00E-03
KPRC028	6	9	120	340	3.40E-02	0.012
KPRC028	9	13	2220	1260	0.126	0.222
KPRC028	13	17	470	1220	0.122	4.70E-02
KPRC028	17	21	350	1200	0.12	0.035
KPRC028	21	25	650	2210	0.221	6.50E-02
KPRC028	25	29	460	2020	0.20200001	0.046
KPRC028	29	33	370	2930	0.29300001	0.037
KPRC028	33	37	250	3680	0.368	0.025
KPRC028	37	41	40	1790	0.17900001	4.00E-03
KPRC028	41	45	30	1800	0.18000001	0.003
KPRC028	45	49	80	1010	0.101	8.00E-03
KPRC028	49	53	220	2070	0.207	0.022
KPRC028	53	57	60	2820	0.28200001	6.00E-03
KPRC028	57	61	10	480	0.048	0.001
KPRC028	61	65	10	150	0.015	0.001
KPRC028	65	69	-10	50	5.00E-03	-0.001
KPRC028	69	73	20	80	8.00E-03	2.00E-03
KPRC028	73	77	10	510	5.10E-02	0.001
KPRC028	77	81	50	220	0.022	5.00E-03

KPRC028	81	85	60	190	1.90E-02	6.00E-03
KPRC028	85	86	60	50	5.00E-03	6.00E-03
KPRC029	1	5	40	80	8.00E-03	4.00E-03
KPRC029	5	9	10	30	0.003	0.001
KPRC029	9	13	20	20	2.00E-03	2.00E-03
KPRC029	13	17	-10	20	2.00E-03	-0.001
KPRC029	17	21	20	20	2.00E-03	2.00E-03
KPRC029	21	25	20	20	2.00E-03	2.00E-03
KPRC029	25	29	10	20	2.00E-03	0.001
KPRC029	29	33	30	340	3.40E-02	0.003
KPRC029	33	37	10	1230	0.123	0.001
KPRC029	37	41	50	2550	0.255	5.00E-03
KPRC029	41	45	140	2220	0.222	0.014
KPRC029	45	49	30	1710	0.171	0.003
KPRC029	49	53	50	1660	0.16599999	5.00E-03
KPRC029	53	57	40	1210	0.121	4.00E-03
KPRC029	57	61	10	960	9.60E-02	0.001
KPRC029	61	64	20	1960	0.19599999	2.00E-03
KPRC029	64	67	-10	1030	0.103	-0.001
KPRC029	67	71	10	410	4.10E-02	0.001
KPRC029	71	72	10	350	0.035	0.001
KPRC029	72	73	20	790	7.90E-02	2.00E-03
KPRC029	73	74	20	540	5.40E-02	2.00E-03
KPRC029	74	75	30	250	0.025	0.003
KPRC029	75	76	20	100	1.00E-02	2.00E-03
KPRC029	76	77	30	100	1.00E-02	0.003
KPRC029	77	78	50	220	0.022	5.00E-03
KPRC029	78	79	50	100	1.00E-02	5.00E-03
KPRC029	79	80	30	230	0.023	0.003
KPRC029	80	81	160	120	0.012	1.60E-02
KPRC029	81	82	100	100	1.00E-02	1.00E-02
KPRC029	82	83	60	100	1.00E-02	6.00E-03
KPRC029	83	84	50	90	9.00E-03	5.00E-03
KPRC029	84	88	50	90	9.00E-03	5.00E-03
KPRC029	88	89	40	60	6.00E-03	4.00E-03
KPRC029	89	90	70	110	0.011	7.00E-03
KPRC029	90	91	40	80	8.00E-03	4.00E-03
KPRC029	91	92	50	80	8.00E-03	5.00E-03
KPRC029	92	96	70	80	8.00E-03	7.00E-03
KPRC029	96	100	50	60	6.00E-03	5.00E-03
KPRC029	100	104	50	10	0.001	5.00E-03
KPRC029	104	108	40	70	7.00E-03	4.00E-03
KPRC029	108	112	50	40	4.00E-03	5.00E-03
KPRC029	112	116	40	50	5.00E-03	4.00E-03
KPRC029	116	120	40	30	0.003	4.00E-03
KPRC030	1	5	50	40	4.00E-03	5.00E-03
KPRC030	5	9	20	30	0.003	2.00E-03
KPRC030	9	13	20	-10	-0.001	2.00E-03
KPRC030	13	17	20	-10	-0.001	2.00E-03
KPRC030	17	21	40	-10	-0.001	4.00E-03
KPRC030	21	25	-10	-10	-0.001	-0.001
KPRC030	25	29	20	-10	-0.001	2.00E-03
KPRC030	29	33	20	-10	-0.001	2.00E-03
KPRC030	33	37	30	-10	-0.001	0.003
KPRC030	37	41	10	10	0.001	0.001
KPRC030	41	45	20	10	0.001	2.00E-03
KPRC030	45	49	10	10	0.001	0.001
KPRC030	49	53	20	20	2.00E-03	2.00E-03
KPRC030	53	57	20	20	2.00E-03	2.00E-03
KPRC030	57	61	10	10	0.001	0.001
KPRC030	61	65	10	-10	-0.001	0.001
KPRC030	65	69	10	-10	-0.001	0.001
KPRC030	69	73	10	-10	-0.001	0.001

KPRC030	73	77	50	130	0.013	5.00E-03
KPRC030	77	81	40	340	3.40E-02	4.00E-03
KPRC030	81	85	20	440	0.044	2.00E-03
KPRC030	85	89	30	720	7.20E-02	0.003
KPRC030	89	93	20	1150	0.115	2.00E-03
KPRC030	93	94	10	1630	0.163	0.001
KPRC030	94	95	10	1720	0.17200001	0.001
KPRC030	95	99	10	4750	0.47499999	0.001
KPRC030	99	103	10	4220	0.42199999	0.001
KPRC030	103	104	10	6090	0.60900003	0.001
KPRC030	104	105	10	380	3.80E-02	0.001
KPRC030	105	106	30	780	7.80E-02	0.003
KPRC030	106	107	10	1360	0.13600001	0.001
KPRC030	107	108	20	100	1.00E-02	2.00E-03
KPRC030	108	109	40	90	9.00E-03	4.00E-03
KPRC030	109	110	50	330	0.033	5.00E-03
KPRC030	110	111	30	110	0.011	0.003
KPRC030	111	112	30	110	0.011	0.003
KPRC030	112	113	30	70	7.00E-03	0.003
KPRC030	113	114	20	420	4.20E-02	2.00E-03
KPRC030	114	115	20	120	0.012	2.00E-03
KPRC030	115	116	30	80	8.00E-03	0.003
KPRC030	116	117	50	190	1.90E-02	5.00E-03
KPRC030	117	118	40	160	1.60E-02	4.00E-03
KPRC030	118	119	40	160	1.60E-02	4.00E-03
KPRC030	119	120	40	90	9.00E-03	4.00E-03
KPRC030	120	121	20	950	9.50E-02	2.00E-03
KPRC030	121	122	30	190	1.90E-02	0.003
KPRC030	122	123	30	120	0.012	0.003
KPRC030	123	124	20	130	0.013	2.00E-03
KPRC030	124	125	40	120	0.012	4.00E-03
KPRC030	125	126	40	180	1.80E-02	4.00E-03
KPRC030	126	127	30	100	1.00E-02	0.003
KPRC030	127	128	30	120	0.012	0.003
KPRC030	128	129	30	100	1.00E-02	0.003
KPRC030	129	130	30	320	3.20E-02	0.003
KPRC030	130	131	30	110	0.011	0.003
KPRC030	131	132	40	50	5.00E-03	4.00E-03
KPRC030	132	133	30	120	0.012	0.003
KPRC030	133	134	30	130	0.013	0.003
KPRC030	134	137	30	630	6.30E-02	0.003
KPRC030	137	140	30	320	3.20E-02	0.003
KPRC031	1	5	60	1160	0.116	6.00E-03
KPRC031	5	9	50	1290	0.12899999	5.00E-03
KPRC031	9	13	20	640	6.40E-02	2.00E-03
KPRC031	13	17	30	790	7.90E-02	0.003
KPRC031	17	21	30	720	7.20E-02	0.003
KPRC031	21	25	100	1060	0.106	1.00E-02
KPRC031	25	29	70	1460	0.146	7.00E-03
KPRC031	29	33	20	460	0.046	2.00E-03
KPRC031	33	37	20	920	0.092	2.00E-03
KPRC031	37	39	40	2490	0.249	4.00E-03
KPRC031	39	40	30	7950	0.79500002	0.003
KPRC031	40	41	30	71200	7.1199999	0.003
KPRC031	41	42	30	35300	3.53	0.003
KPRC031	42	43	30	22400	2.24	0.003
KPRC031	43	44	60	72200	7.2199998	6.00E-03
KPRC031	44	45	-10	22700	2.27	-0.001
KPRC031	45	46	10	17500	1.75	0.001
KPRC031	46	47	10	43300	4.3299999	0.001
KPRC031	47	48	20	17800	1.78	2.00E-03
KPRC031	48	49	20	3160	0.31600001	2.00E-03
KPRC031	49	50	30	13600	1.36	0.003

KPRC031	50	51	20	1560	0.156	2.00E-03
KPRC031	51	52	20	2110	0.211	2.00E-03
KPRC031	52	53	10	2060	0.206	0.001
KPRC031	53	54	30	1140	0.114	0.003
KPRC031	55	56	10	1310	0.131	0.001
KPRC031	56	57	10	2030	0.20299999	0.001
KPRC031	57	58	20	830	8.30E-02	2.00E-03
KPRC031	58	59	30	550	0.055	0.003
KPRC031	59	60	20	1720	0.17200001	2.00E-03
KPRC031	60	61	-10	2180	0.21799999	-0.001
KPRC031	61	62	-10	2120	0.212	-0.001
KPRC031	62	63	30	1810	0.18099999	0.003
KPRC031	63	64	40	390	3.90E-02	4.00E-03
KPRC031	64	65	20	6910	0.69099998	2.00E-03
KPRC031	65	66	20	90700	9.0699997	2.00E-03
KPRC031	66	67	10	42700	4.27	0.001
KPRC031	67	68	20	26100	2.6099999	2.00E-03
KPRC031	68	69	30	47600	4.7600002	0.003
KPRC031	69	70	10	5400	0.54000002	0.001
KPRC031	70	71	10	7840	0.78399998	0.001
KPRC031	71	72	30	59200	5.9200001	0.003
KPRC031	72	73	30	20400	2.04	0.003
KPRC031	73	74	40	19500	1.95	4.00E-03
KPRC031	74	75	20	4630	0.463	2.00E-03
KPRC031	75	76	20	4680	0.46799999	2.00E-03
KPRC031	76	77	20	2680	0.26800001	2.00E-03
KPRC031	77	78	20	13450	1.345	2.00E-03
KPRC031	78	79	20	5790	0.579	2.00E-03
KPRC031	79	80	30	2930	0.29300001	0.003
KPRC031	80	81	20	1150	0.115	2.00E-03
KPRC031	81	82	40	10150	1.015	4.00E-03
KPRC031	82	83	20	3410	0.34099999	2.00E-03
KPRC031	83	84	10	15300	1.53	0.001
KPRC031	84	85	20	19600	1.96	2.00E-03
KPRC031	85	86	20	19450	1.9450001	2.00E-03
KPRC031	86	87	10	29100	2.9100001	0.001
KPRC031	87	88	10	28500	2.8499999	0.001
KPRC031	88	89	70	26700	2.6700001	7.00E-03
KPRC031	89	90	40	53600	5.3600001	4.00E-03
KPRC031	90	91	20	660	0.066	2.00E-03
KPRC031	91	92	20	650	6.50E-02	2.00E-03
KPRC031	92	93	30	550	0.055	0.003
KPRC031	93	94	10	510	5.10E-02	0.001
KPRC031	94	95	20	31300	3.1300001	2.00E-03
KPRC031	95	96	40	480	0.048	4.00E-03
KPRC031	96	97	10	2020	0.20200001	0.001
KPRC031	97	98	10	1750	0.175	0.001
KPRC031	98	99	10	2380	0.23800001	0.001
KPRC031	99	100	30	14300	1.4299999	0.003
KPRC031	100	101	45	24000	2.4000001	4.50E-03
KPRC031	101	102	46	25500	2.55	4.60E-03
KPRC031	102	103	30	15950	1.595	0.003
KPRC031	103	104	36	5100	0.50999999	3.60E-03
KPRC031	104	105	40	3340	0.33399999	4.00E-03
KPRC031	105	106	48	4180	0.41800001	4.80E-03
KPRC031	106	107	30	1840	0.184	0.003
KPRC031	107	108	30	2060	0.206	0.003
KPRC031	108	109	20	1550	0.155	2.00E-03
KPRC031	109	110	10	2830	0.28299999	0.001
KPRC031	110	114				
KPRC031	114	117	40	1730	0.17299999	4.00E-03
KPRC031	117	120	40	2430	0.243	4.00E-03
KPRC032	1	5	30	540	5.40E-02	0.003

KPRC032	5	9	70	560	5.60E-02	7.00E-03
KPRC032	9	13	160	750	7.50E-02	1.60E-02
KPRC032	13	17	130	750	7.50E-02	0.013
KPRC032	17	21	440	1380	0.138	0.044
KPRC032	21	25	70	1080	0.108	7.00E-03
KPRC032	25	29	90	1630	0.163	9.00E-03
KPRC032	29	33	50	900	9.00E-02	5.00E-03
KPRC032	33	37	50	640	6.40E-02	5.00E-03
KPRC032	37	41	60	600	6.00E-02	6.00E-03
KPRC032	41	45	90	660	0.066	9.00E-03
KPRC032	45	49	90	710	7.10E-02	9.00E-03
KPRC032	49	51	140	1350	0.13500001	0.014
KPRC032	51	52	100	2160	0.21600001	1.00E-02
KPRC032	52	53	140	4980	0.498	0.014
KPRC032	53	54	170	7040	0.704	1.70E-02
KPRC032	54	55	110	8820	0.88200003	0.011
KPRC032	55	56	100	7800	0.77999997	1.00E-02
KPRC032	56	57	80	8310	0.83099997	8.00E-03
KPRC032	57	58	80	17300	1.73	8.00E-03
KPRC032	58	59	60	19800	1.98	6.00E-03
KPRC032	59	60	80	22200	2.22	8.00E-03
KPRC032	60	61	70	15700	1.5700001	7.00E-03
KPRC032	61	62	70	14800	1.48	7.00E-03
KPRC032	62	63	50	20100	2.01	5.00E-03
KPRC032	63	64	50	41700	4.1700001	5.00E-03
KPRC032	64	65	40	45600	4.5599999	4.00E-03
KPRC032	65	66	40	23100	2.3099999	4.00E-03
KPRC032	66	67	70	39000	3.9000001	7.00E-03
KPRC032	67	68	70	37300	3.73	7.00E-03
KPRC032	68	69	50	32200	3.22	5.00E-03
KPRC032	72	73	50	16950	1.6950001	5.00E-03
KPRC032	73	74	80	15300	1.53	8.00E-03
KPRC032	74	75	110	15450	1.545	0.011
KPRC032	75	76	50	8810	0.88099998	5.00E-03
KPRC032	76	80	50	3740	0.37400001	5.00E-03
KPRC032	80	81	70	1120	0.112	7.00E-03
KPRC032	81	82	120	16550	1.655	0.012
KPRC032	82	83	60	3420	0.34200001	6.00E-03
KPRC032	83	84	-10	630	6.30E-02	-0.001
KPRC032	84	85	30	680	6.80E-02	0.003
KPRC032	85	86	70	3910	0.391	7.00E-03
KPRC032	86	87	30	1870	0.18700001	0.003
KPRC032	87	88	20	1140	0.114	2.00E-03
KPRC032	88	89	10	1670	0.167	0.001
KPRC032	89	90	50	4780	0.47799999	5.00E-03
KPRC032	90	91	30	20200	2.02	0.003
KPRC032	91	92	20	24700	2.47	2.00E-03
KPRC032	92	93	20	18900	1.89	2.00E-03
KPRC032	93	94	20	11850	1.1849999	2.00E-03
KPRC032	94	95	10	2820	0.28200001	0.001
KPRC032	95	96	10	6270	0.62699997	0.001
KPRC032	96	97	40	6920	0.69199997	4.00E-03
KPRC032	97	98	20	5430	0.54299998	2.00E-03
KPRC032	98	99	20	24300	2.4300001	2.00E-03
KPRC032	99	100	20	9760	0.97600001	2.00E-03
KPRC032	100	101	20	3470	0.347	2.00E-03
KPRC032	101	102	-10	6070	0.60699999	-0.001
KPRC032	102	103	-10	780	7.80E-02	-0.001
KPRC032	103	104	20	1070	0.107	2.00E-03
KPRC032	104	105	-10	27200	2.72	-0.001
KPRC032	105	106	20	3340	0.33399999	2.00E-03
KPRC032	106	107	50	7250	0.72500002	5.00E-03
KPRC032	107	108	20	1220	0.122	2.00E-03

KPRC032	108	109	20	280	2.80E-02	2.00E-03
KPRC032	109	110	-10	930	9.30E-02	-0.001
KPRC032	110	111	50	2570	0.257	5.00E-03
KPRC032	111	112	20	1900	0.19	2.00E-03
KPRC032	112	113	30	6580	0.65799999	0.003
KPRC032	113	114	90	1070	0.107	9.00E-03
KPRC032	114	115	70	1620	0.162	7.00E-03
KPRC032	115	116	40	470	4.70E-02	4.00E-03
KPRC032	116	117	20	890	8.90E-02	2.00E-03
KPRC032	117	118	10	820	8.20E-02	0.001
KPRC032	118	119	90	280	2.80E-02	9.00E-03
KPRC032	119	120	10	70	7.00E-03	0.001
KPRC032	120	121	-10	60	6.00E-03	-0.001
KPRC032	121	125	-10	60	6.00E-03	-0.001
KPRC032	125	129	10	40	4.00E-03	0.001
KPRC032	129	133	-10	70	7.00E-03	-0.001
KPRC033	1	5	60	370	0.037	6.00E-03
KPRC033	5	9	640	770	0.077	6.40E-02
KPRC033	9	13	320	510	5.10E-02	3.20E-02
KPRC033	13	17	1890	1570	0.15700001	0.189
KPRC033	17	21	1790	2500	0.25	0.17900001
KPRC033	21	25	3550	2930	0.29300001	0.35499999
KPRC033	25	29	8340	5640	0.56400001	0.83399999
KPRC033	29	30	4500	18000	1.8	0.44999999
KPRC033	30	31	3480	63300	6.3299999	0.34799999
KPRC033	31	32	2510	27300	2.73	0.25099999
KPRC033	32	33	2260	10600	1.0599999	0.226
KPRC033	33	34	480	8970	0.89700001	0.048
KPRC033	34	35	140	9190	0.91900003	0.014
KPRC033	35	36	150	6350	0.63499999	0.015
KPRC033	36	37	220	7170	0.71700001	0.022
KPRC033	37	38	470	9800	0.98000002	4.70E-02
KPRC033	38	39	130	13550	1.355	0.013
KPRC033	39	40	60	25900	2.5899999	6.00E-03
KPRC033	40	41	130	18050	1.8049999	0.013
KPRC033	41	42	240	65600	6.5599999	0.024
KPRC033	42	43	220	54400	5.4400001	0.022
KPRC033	43	44	230	57900	5.79	0.023
KPRC033	44	45	190	26300	2.6300001	1.90E-02
KPRC033	45	46	280	9670	0.96700001	2.80E-02
KPRC033	46	47	100	4210	0.421	1.00E-02
KPRC033	47	48	450	9660	0.96600002	4.50E-02
KPRC033	48	49	220	7470	0.74699998	0.022
KPRC033	49	50	140	4690	0.46900001	0.014
KPRC033	50	51	-10	5360	0.53600001	-0.001
KPRC033	51	52	120	4740	0.47400001	0.012
KPRC033	52	56	230	68700	6.8699999	0.023
KPRC033	56	60	190	55700	5.5700002	1.90E-02
KPRC033	60	64	70	150	0.015	7.00E-03
KPRC033	64	68	30	50	5.00E-03	0.003
KPRC033	68	72	30	120	0.012	0.003
KPRC033	72	76	40	90	9.00E-03	4.00E-03
KPRC033	76	80	60	80	8.00E-03	6.00E-03
KPRC033	80	84	60	150	0.015	6.00E-03
KPRC033	84	88	250	130	0.013	0.025
KPRC033	88	92	170	150	0.015	1.70E-02
KPRC033	92	96	60	80	8.00E-03	6.00E-03
KPRC033	96	100	140	300	3.00E-02	0.014
KPRC034	0	4	110	1660	0.16599999	0.011
KPRC034	4	8	80	6000	0.60000002	8.00E-03
KPRC034	8	12	190	4130	0.41299999	1.90E-02
KPRC034	12	16	260	1620	0.162	2.60E-02
KPRC034	16	20	160	1330	0.133	1.60E-02

KPRC034	20	24	180	1110	0.111	1.80E-02
KPRC034	24	28	210	1510	0.15099999	0.021
KPRC034	28	32	210	1620	0.162	0.021
KPRC034	32	36	90	470	4.70E-02	9.00E-03
KPRC034	36	40	60	790	7.90E-02	6.00E-03
KPRC034	40	44	110	1140	0.114	0.011
KPRC034	44	48	70	1280	0.12800001	7.00E-03
KPRC034	48	52	50	1440	0.14399999	5.00E-03
KPRC034	52	56	60	1780	0.178	6.00E-03
KPRC034	56	60	60	970	9.70E-02	6.00E-03
KPRC034	60	64	50	760	7.60E-02	5.00E-03
KPRC034	64	68	60	840	8.40E-02	6.00E-03
KPRC034	68	72	60	690	6.90E-02	6.00E-03
KPRC034	72	76	40	100	1.00E-02	4.00E-03
KPRC034	76	80	60	110	0.011	6.00E-03
KPRC034	80	84	60	200	0.02	6.00E-03
KPRC034	84	88	80	5320	0.53200001	8.00E-03
KPRC034	88	92	230	1030	0.103	0.023
KPRC034	92	96	100	710	7.10E-02	1.00E-02
KPRC034	96	100	40	390	3.90E-02	4.00E-03
KPRC034	100	104	60	450	4.50E-02	6.00E-03
KPRC034	104	108	100	520	5.20E-02	1.00E-02
KPRC034	108	112	70	430	4.30E-02	7.00E-03
KPRC034	112	116	30	50	5.00E-03	0.003
KPRC034	116	120	40	620	6.20E-02	4.00E-03
KPRC035	1	5	180	1000	0.1	1.80E-02
KPRC035	5	9	50	570	0.057	5.00E-03
KPRC035	9	13	70	620	6.20E-02	7.00E-03
KPRC035	13	17	290	1470	0.147	2.90E-02
KPRC035	17	21	850	4290	0.42899999	8.50E-02
KPRC035	21	23	920	23100	2.3099999	0.092
KPRC035	23	24	440	15250	1.525	0.044
KPRC035	24	25	230	18050	1.8049999	0.023
KPRC035	25	26	410	32300	3.23	4.10E-02
KPRC035	26	27	760	10700	1.0700001	7.60E-02
KPRC035	27	29	340	12300	1.23	3.40E-02
KPRC035	29	31	320	14850	1.485	3.20E-02
KPRC035	31	33	530	13250	1.325	5.30E-02
KPRC035	33	34	210	7280	0.72799999	0.021
KPRC035	34	35	200	31700	3.1700001	0.02
KPRC035	35	36	230	42300	4.23	0.023
KPRC035	36	37	280	32600	3.26	2.80E-02
KPRC035	37	38	220	40500	4.0500002	0.022
KPRC035	38	39	210	19000	1.9	0.021
KPRC035	39	40	210	12300	1.23	0.021
KPRC035	40	41	210	11100	1.11	0.021
KPRC035	41	42	270	8280	0.82800001	2.70E-02
KPRC035	42	43	990	6280	0.62800002	9.90E-02
KPRC035	43	44	390	7400	0.74000001	3.90E-02
KPRC035	44	46	480	4520	0.45199999	0.048
KPRC035	46	50	150	2210	0.221	0.015
KPRC035	50	54	110	770	0.077	0.011
KPRC035	54	58				
KPRC035	58	62	260	2190	0.219	2.60E-02
KPRC035	62	66	190	2390	0.23899999	1.90E-02
KPRC035	66	70	70	850	8.50E-02	7.00E-03
KPRC035	70	74	80	1350	0.13500001	8.00E-03
KPRC035	74	78	30	490	4.90E-02	0.003
KPRC035	78	82	40	250	0.025	4.00E-03
KPRC035	82	86	40	210	0.021	4.00E-03
KPRC035	86	90	40	200	0.02	4.00E-03
KPRC035	90	94	40	160	1.60E-02	4.00E-03
KPRC035	94	98	20	70	7.00E-03	2.00E-03

KPRC035	98	102	40	70	7.00E-03	4.00E-03
KPRC035	102	106	10	40	4.00E-03	0.001
KPRC035	106	110	10	40	4.00E-03	0.001
KPRC036	0	4	30	280	2.80E-02	0.003
KPRC036	4	8	20	180	1.80E-02	2.00E-03
KPRC036	8	12	100	520	5.20E-02	1.00E-02
KPRC036	12	16	20	140	0.014	2.00E-03
KPRC036	16	20	-10	80	8.00E-03	-0.001
KPRC036	20	24	-10	80	8.00E-03	-0.001
KPRC036	24	28	-10	50	5.00E-03	-0.001
KPRC036	28	32	10	10	0.001	0.001
KPRC036	32	36	-10	10	0.001	-0.001
KPRC036	36	40	-10	10	0.001	-0.001
KPRC036	40	44	-10	-10	-0.001	-0.001
KPRC036	44	48	-10	10	0.001	-0.001
KPRC036	48	52	-10	-10	-0.001	-0.001
KPRC036	52	56	10	20	2.00E-03	0.001
KPRC036	56	60	50	260	2.60E-02	5.00E-03
KPRC036	60	64	20	290	2.90E-02	2.00E-03
KPRC036	64	68	-10	410	4.10E-02	-0.001
KPRC036	68	72	40	1900	0.19	4.00E-03
KPRC036	72	76	10	750	7.50E-02	0.001
KPRC036	76	79	-10	1370	0.13699999	-0.001
KPRC036	79	80	-10	3610	0.361	-0.001
KPRC036	80	81	-10	1360	0.13600001	-0.001
KPRC036	81	82	10	680	6.80E-02	0.001
KPRC036	82	83	10	170	1.70E-02	0.001
KPRC036	83	84	10	80	8.00E-03	0.001
KPRC036	84	85	-10	150	0.015	-0.001
KPRC036	85	86	10	100	1.00E-02	0.001
KPRC036	87	88	-10	550	0.055	-0.001
KPRC036	88	89	20	110	0.011	2.00E-03
KPRC036	89	90	20	80	8.00E-03	2.00E-03
KPRC036	90	91	10	230	0.023	0.001
KPRC036	91	92	20	330	0.033	2.00E-03
KPRC036	92	93	30	110	0.011	0.003
KPRC036	93	94	10	120	0.012	0.001
KPRC036	94	95	30	120	0.012	0.003
KPRC036	95	96	30	120	0.012	0.003
KPRC036	96	97	30	170	1.70E-02	0.003
KPRC036	97	98	30	240	0.024	0.003
KPRC036	98	99	20	150	0.015	2.00E-03
KPRC036	99	100	40	140	0.014	4.00E-03
KPRC036	100	101	50	130	0.013	5.00E-03
KPRC036	101	102	50	140	0.014	5.00E-03
KPRC036	102	103	20	70	7.00E-03	2.00E-03
KPRC036	103	104	20	90	9.00E-03	2.00E-03
KPRC036	104	105	40	60	6.00E-03	4.00E-03
KPRC036	105	106	30	60	6.00E-03	0.003
KPRC036	106	107	20	170	1.70E-02	2.00E-03
KPRC036	107	108	-10	40	4.00E-03	-0.001
KPRC036	108	109	20	50	5.00E-03	2.00E-03
KPRC036	109	110	30	50	5.00E-03	0.003
KPRC036	110	111	40	70	7.00E-03	4.00E-03
KPRC036	111	112	40	80	8.00E-03	4.00E-03
KPRC036	112	113	20	70	7.00E-03	2.00E-03
KPRC036	113	114	10	40	4.00E-03	0.001
KPRC036	114	115	40	40	4.00E-03	4.00E-03
KPRC036	115	116	30	50	5.00E-03	0.003
KPRC036	116	117	40	130	0.013	4.00E-03
KPRC036	117	118	20	60	6.00E-03	2.00E-03
KPRC036	118	119	20	50	5.00E-03	2.00E-03
KPRC036	119	120	50	50	5.00E-03	5.00E-03

KPRC036	120	121	30	80	8.00E-03	0.003
KPRC036	121	122	20	170	1.70E-02	2.00E-03
KPRC036	122	123	50	80	8.00E-03	5.00E-03
KPRC036	123	124	50	80	8.00E-03	5.00E-03
KPRC036	124	125	20	90	9.00E-03	2.00E-03
KPRC036	125	126	40	100	1.00E-02	4.00E-03
KPRC036	126	127	50	70	7.00E-03	5.00E-03
KPRC036	127	128	50	70	7.00E-03	5.00E-03
KPRC036	128	129	50	50	5.00E-03	5.00E-03
KPRC036	129	130	40	60	6.00E-03	4.00E-03
KPRC036	130	131	30	50	5.00E-03	0.003
KPRC036	131	132	50	70	7.00E-03	5.00E-03
KPRC036	132	133	40	80	8.00E-03	4.00E-03
KPRC036	133	134	20	50	5.00E-03	2.00E-03
KPRC036	134	135	30	90	9.00E-03	0.003
KPRC036	135	136	30	100	1.00E-02	0.003
KPRC036	136	137	20	40	4.00E-03	2.00E-03
KPRC036	137	138	20	60	6.00E-03	2.00E-03
KPRC036	138	139	20	60	6.00E-03	2.00E-03
KPRC036	139	140	20	100	1.00E-02	2.00E-03
KPRC037	0	4	-10	360	3.60E-02	-0.001
KPRC037	4	8	10	240	0.024	0.001
KPRC037	8	12	10	300	3.00E-02	0.001
KPRC037	12	16	10	250	0.025	0.001
KPRC037	16	20	10	160	1.60E-02	0.001
KPRC037	20	24	10	220	0.022	0.001
KPRC037	24	28	-10	180	1.80E-02	-0.001
KPRC037	28	32	50	560	5.60E-02	5.00E-03
KPRC037	32	36	20	1010	0.101	2.00E-03
KPRC037	36	40	40	320	3.20E-02	4.00E-03
KPRC037	40	44	10	400	4.00E-02	0.001
KPRC037	44	48	-10	160	1.60E-02	-0.001
KPRC037	48	52	-10	280	2.80E-02	-0.001
KPRC037	52	56	20	310	3.10E-02	2.00E-03
KPRC037	56	60	-10	420	4.20E-02	-0.001
KPRC037	60	64	30	460	0.046	0.003
KPRC037	64	68	20	630	6.30E-02	2.00E-03
KPRC037	68	72	-10	720	7.20E-02	-0.001
KPRC037	72	76	10	670	6.70E-02	0.001
KPRC037	76	80	30	1280	0.12800001	0.003
KPRC037	80	84	10	1120	0.112	0.001
KPRC037	84	88	20	680	6.80E-02	2.00E-03
KPRC037	88	92	40	3480	0.34799999	4.00E-03
KPRC037	92	96	70	3310	0.331	7.00E-03
KPRC037	96	100	80	1790	0.17900001	8.00E-03
KPRC037	100	103	100	3970	0.39700001	1.00E-02
KPRC037	103	105	100	9760	0.97600001	1.00E-02
KPRC037	105	106	70	13400	1.34	7.00E-03
KPRC037	106	107	190	33400	3.3399999	1.90E-02
KPRC037	107	108	180	17500	1.75	1.80E-02
KPRC037	108	109	130	7060	0.70599997	0.013
KPRC037	109	110	80	5360	0.53600001	8.00E-03
KPRC037	110	114	80	2470	0.24699999	8.00E-03
KPRC037	114	118	70	1750	0.175	7.00E-03
KPRC037	118	122	70	1720	0.17200001	7.00E-03
KPRC037	122	126	50	2160	0.21600001	5.00E-03
KPRC037	126	130	40	1270	0.127	4.00E-03
KPRC037	130	134	60	980	9.80E-02	6.00E-03
KPRC037	134	137	40	280	2.80E-02	4.00E-03
KPRC037	137	140	60	370	0.037	6.00E-03
KPRC038	0	4	120	840	8.40E-02	0.012
KPRC038	4	8	510	1510	0.15099999	5.10E-02
KPRC038	8	12	650	2950	0.29499999	6.50E-02

KPRC038	12	13	1270	11000	1.1	0.127
KPRC038	13	14	1200	7830	0.78299999	0.12
KPRC038	14	15	1640	30100	3.01	0.164
KPRC038	15	16	1800	53100	5.3099999	0.18000001
KPRC038	16	17	1580	62600	6.2600002	0.15800001
KPRC038	17	18	1390	35700	3.5699999	0.139
KPRC038	18	19	840	48000	4.8000002	8.40E-02
KPRC038	19	20	970	36800	3.6800001	9.70E-02
KPRC038	20	21	730	40600	4.0599999	7.30E-02
KPRC038	21	22	800	21400	2.1400001	8.00E-02
KPRC038	22	23	830	42100	4.21	8.30E-02
KPRC038	23	24	960	41000	4.0999999	9.60E-02
KPRC038	24	25	1070	47200	4.7199998	0.107
KPRC038	25	26	600	19800	1.98	6.00E-02
KPRC038	26	27	920	26100	2.6099999	0.092
KPRC038	27	28	2350	35200	3.52	0.235
KPRC038	28	29	620	24100	2.4100001	6.20E-02
KPRC038	29	30	600	38400	3.8399999	6.00E-02
KPRC038	30	31	260	32900	3.29	2.60E-02
KPRC038	31	32	220	17900	1.79	0.022
KPRC038	32	33	220	145000	14.5	0.022
KPRC038	33	34	190	218000	21.799999	1.90E-02
KPRC038	34	35	540	20200	2.02	5.40E-02
KPRC038	35	36	280	32600	3.26	2.80E-02
KPRC038	36	37	370	90700	9.0699997	0.037
KPRC038	37	38	250	162000	16.200001	0.025
KPRC038	38	39	220	98000	9.8000002	0.022
KPRC038	39	40	200	83900	8.3900003	0.02
KPRC038	40	41	180	97400	9.7399998	1.80E-02
KPRC038	41	42	180	117000	11.7	1.80E-02
KPRC038	42	43	160	25600	2.5599999	1.60E-02
KPRC038	43	44	100	70300	7.0300002	1.00E-02
KPRC038	44	45	110	22200	2.22	0.011
KPRC038	45	49	300	9070	0.90700001	3.00E-02
KPRC038	49	53	120	4850	0.48500001	0.012
KPRC038	53	57	160	1440	0.14399999	1.60E-02
KPRC038	57	61	430	570	0.057	4.30E-02
KPRC038	61	65	110	320	3.20E-02	0.011
KPRC038	65	69	70	310	3.10E-02	7.00E-03
KPRC038	69	73	60	240	0.024	6.00E-03
KPRC038	73	77	50	170	1.70E-02	5.00E-03
KPRC038	77	81	40	80	8.00E-03	4.00E-03
KPRC038	81	85	30	1570	0.15700001	0.003
KPRC038	85	89	30	360	3.60E-02	0.003
KPRC038	89	93	20	130	0.013	2.00E-03
KPRC038	93	96	20	40	4.00E-03	2.00E-03
KPRC039	1	5	1110	1420	0.142	0.111
KPRC039	5	9	50	460	0.046	5.00E-03
KPRC039	9	13	350	930	9.30E-02	0.035
KPRC039	13	17	500	1810	0.18099999	5.00E-02
KPRC039	17	21	190	3350	0.33500001	1.90E-02
KPRC039	21	25	110	1760	0.176	0.011
KPRC039	25	29	130	1160	0.116	0.013
KPRC039	29	33	250	2080	0.208	0.025
KPRC039	33	37	610	3790	0.37900001	6.10E-02
KPRC039	37	41	230	3170	0.317	0.023
KPRC039	41	45	290	3350	0.33500001	2.90E-02
KPRC039	45	49	50	800	8.00E-02	5.00E-03
KPRC039	49	53	20	40	4.00E-03	2.00E-03
KPRC039	53	57	20	10	0.001	2.00E-03
KPRC039	57	61	40	10	0.001	4.00E-03
KPRC039	61	65	40	140	0.014	4.00E-03
KPRC039	69	73	40	260	2.60E-02	4.00E-03

KPRC039	73	77	20	1180	0.118	2.00E-03
KPRC039	77	81	60	1490	0.149	6.00E-03
KPRC039	81	85	40	1430	0.14300001	4.00E-03
KPRC039	85	89	50	460	0.046	5.00E-03
KPRC039	89	93	360	5990	0.59899998	3.60E-02
KPRC039	93	97	260	450	4.50E-02	2.60E-02
KPRC039	97	100	190	530	5.30E-02	1.90E-02
KPRC040	1	5	100	180	1.80E-02	1.00E-02
KPRC040	5	9	20	70	7.00E-03	2.00E-03
KPRC040	9	13	40	40	4.00E-03	4.00E-03
KPRC040	13	17	10	30	0.003	0.001
KPRC040	17	21	-10	-10	-0.001	-0.001
KPRC040	21	25	10	-10	-0.001	0.001
KPRC040	25	29	50	40	4.00E-03	5.00E-03
KPRC040	29	33	100	400	4.00E-02	1.00E-02
KPRC040	33	37	40	560	5.60E-02	4.00E-03
KPRC040	37	41	40	350	0.035	4.00E-03
KPRC040	41	45	40	340	3.40E-02	4.00E-03
KPRC040	45	49	60	360	3.60E-02	6.00E-03
KPRC040	49	53	60	240	0.024	6.00E-03
KPRC040	53	57	80	270	2.70E-02	8.00E-03
KPRC040	57	61	40	330	0.033	4.00E-03
KPRC040	61	65	30	240	0.024	0.003
KPRC040	65	67	10	170	1.70E-02	0.001
KPRC040	67	69	-10	30	0.003	-0.001
KPRC040	69	71	20	40	4.00E-03	2.00E-03
KPRC040	71	73	20	40	4.00E-03	2.00E-03
KPRC040	73	75	20	40	4.00E-03	2.00E-03
KPRC040	75	77	30	50	5.00E-03	0.003
KPRC040	77	79	40	50	5.00E-03	4.00E-03
KPRC040	79	81	50	60	6.00E-03	5.00E-03
KPRC040	81	83	50	70	7.00E-03	5.00E-03
KPRC040	83	85	40	40	4.00E-03	4.00E-03
KPRC040	85	87	40	60	6.00E-03	4.00E-03
KPRC040	87	89	40	70	7.00E-03	4.00E-03
KPRC040	89	93	40	50	5.00E-03	4.00E-03
KPRC040	93	97	30	90	9.00E-03	0.003
KPRC040	97	100	20	50	5.00E-03	2.00E-03
KPRC041	3	7	10	460	0.046	0.001
KPRC041	7	11	20	600	6.00E-02	2.00E-03
KPRC041	11	15	10	590	0.059	0.001
KPRC041	15	19	30	530	5.30E-02	0.003
KPRC041	19	23	20	420	4.20E-02	2.00E-03
KPRC041	23	27	40	530	5.30E-02	4.00E-03
KPRC041	27	31	70	560	5.60E-02	7.00E-03
KPRC041	31	35	30	670	6.70E-02	0.003
KPRC041	35	39	80	720	7.20E-02	8.00E-03
KPRC041	39	43	340	2140	0.214	3.40E-02
KPRC041	43	45	280	3650	0.36500001	2.80E-02
KPRC041	45	46	320	6700	0.67000002	3.20E-02
KPRC041	46	47	280	74100	7.4099998	2.80E-02
KPRC041	47	48	160	64300	6.4299998	1.60E-02
KPRC041	48	49	160	23000	2.3	1.60E-02
KPRC041	49	51	70	10500	1.05	7.00E-03
KPRC041	51	53	80	18300	1.83	8.00E-03
KPRC041	53	55	80	24200	2.4200001	8.00E-03
KPRC041	55	59	90	11200	1.12	9.00E-03
KPRC041	59	63	70	12100	1.21	7.00E-03
KPRC041	63	67	70	22800	2.28	7.00E-03
KPRC041	67	71	90	16300	1.63	9.00E-03
KPRC041	71	75	70	16100	1.61	7.00E-03
KPRC041	75	79	70	5800	0.57999998	7.00E-03
KPRC041	79	83	40	3780	0.37799999	4.00E-03

KPRC041	83	87	40	4070	0.40700001	4.00E-03
KPRC041	87	91	90	3460	0.34599999	9.00E-03
KPRC041	91	94	40	3850	0.38499999	4.00E-03
KPRC041	94	97	60	4480	0.44800001	6.00E-03
KPRC041	97	100	70	4270	0.42699999	7.00E-03
KPRC042	1	5	40	1770	0.177	4.00E-03
KPRC042	5	9	170	1390	0.139	1.70E-02
KPRC042	9	13	270	23900	2.3900001	2.70E-02
KPRC042	13	17	860	4150	0.41499999	8.60E-02
KPRC042	17	19	640	5470	0.54699999	6.40E-02
KPRC042	19	20	700	7010	0.70099998	0.07
KPRC042	20	21	470	29400	2.9400001	4.70E-02
KPRC042	21	22	400	58900	5.8899999	4.00E-02
KPRC042	22	23	330	103500	10.35	0.033
KPRC042	23	24	590	74000	7.4000001	0.059
KPRC042	24	25	420	74800	7.48	4.20E-02
KPRC042	25	26	270	96500	9.6499996	2.70E-02
KPRC042	26	27	280	102500	10.25	2.80E-02
KPRC042	27	28	150	158500	15.85	0.015
KPRC042	28	29	250	225000	22.5	0.025
KPRC042	29	30	250	95300	9.5299997	0.025
KPRC042	30	31	240	54600	5.46	0.024
KPRC042	31	32	310	138000	13.8	3.10E-02
KPRC042	32	33	160	132000	13.2	1.60E-02
KPRC042	33	34	120	142500	14.25	0.012
KPRC042	34	35	120	99100	9.9099998	0.012
KPRC042	35	36	250	108000	10.8	0.025
KPRC042	36	37	330	122000	12.2	0.033
KPRC042	37	38	280	161000	16.1	2.80E-02
KPRC042	38	39	300	130500	13.05	3.00E-02
KPRC042	39	40	600	70700	7.0700002	6.00E-02
KPRC042	40	41	370	76800	7.6799998	0.037
KPRC042	41	42	190	46800	4.6799998	1.90E-02
KPRC042	42	43	520	67600	6.7600002	5.20E-02
KPRC042	43	44	730	36400	3.6400001	7.30E-02
KPRC042	44	45	350	60400	6.04	0.035
KPRC042	45	46	220	37500	3.75	0.022
KPRC042	46	47	170	88400	8.8400002	1.70E-02
KPRC042	47	48	180	32300	3.23	1.80E-02
KPRC042	48	49	90	47600	4.7600002	9.00E-03
KPRC042	49	50	130	62600	6.2600002	0.013
KPRC042	50	51	130	60500	6.0500002	0.013
KPRC042	51	52	60	9520	0.95200002	6.00E-03
KPRC042	52	53	350	27500	2.75	0.035
KPRC042	53	54	350	26400	2.6400001	0.035
KPRC042	54	55	300	18300	1.83	3.00E-02
KPRC042	55	56	290	7640	0.764	2.90E-02
KPRC042	56	60	320	13100	1.3099999	3.20E-02
KPRC042	60	64	100	5270	0.52700001	1.00E-02
KPRC042	64	68	10	380	3.80E-02	0.001
KPRC042	68	72	10	110	0.011	0.001
KPRC042	72	76	30	640	6.40E-02	0.003
KPRC042	76	80	20	170	1.70E-02	2.00E-03
KPRC042	80	84	10	140	0.014	0.001
KPRC042	84	88	10	60	6.00E-03	0.001
KPRC042	88	89	10	210	0.021	0.001
KPRC042	89	90	40	720	7.20E-02	4.00E-03
KPRC042	90	91	50	520	5.20E-02	5.00E-03
KPRC042	91	94	70	4100	0.41	7.00E-03
KPRC042	94	97	70	1600	0.16	7.00E-03
KPRC042	97	100	70	630	6.30E-02	7.00E-03
KPRC043	4	8	310	1160	0.116	3.10E-02
KPRC043	8	12	60	990	9.90E-02	6.00E-03

KPRC043	12	16	170	1350	0.13500001	1.70E-02
KPRC043	16	20	140	1740	0.17399999	0.014
KPRC043	20	24	210	2000	0.2	0.021
KPRC043	24	28	190	2620	0.26199999	1.90E-02
KPRC043	28	32	60	850	8.50E-02	6.00E-03
KPRC043	32	36	500	4820	0.48199999	5.00E-02
KPRC043	36	40	80	1750	0.175	8.00E-03
KPRC043	40	44	40	2730	0.273	4.00E-03
KPRC043	44	48	70	2050	0.205	7.00E-03
KPRC043	48	52	60	1790	0.17900001	6.00E-03
KPRC043	52	56	30	690	6.90E-02	0.003
KPRC043	56	60	40	590	0.059	4.00E-03
KPRC043	60	62	30	180	1.80E-02	0.003
KPRC043	62	64	60	6030	0.60299999	6.00E-03
KPRC043	64	66	80	2500	0.25	8.00E-03
KPRC043	66	68	70	160	1.60E-02	7.00E-03
KPRC043	68	70	60	170	1.70E-02	6.00E-03
KPRC043	70	72	70	110	0.011	7.00E-03
KPRC043	72	74	60	90	9.00E-03	6.00E-03
KPRC043	74	76	70	100	1.00E-02	7.00E-03
KPRC043	76	78	70	110	0.011	7.00E-03
KPRC043	78	80	60	60	6.00E-03	6.00E-03
KPRC043	80	82	30	200	0.02	0.003
KPRC043	82	84	40	40	4.00E-03	4.00E-03
KPRC043	84	86	50	130	0.013	5.00E-03
KPRC043	86	88	70	80	8.00E-03	7.00E-03
KPRC043	88	90	50	150	0.015	5.00E-03
KPRC043	90	94	-10	150	0.015	-0.001
KPRC043	94	98	-10	110	0.011	-0.001
KPRC043	98	102	20	270	2.70E-02	2.00E-03
KPRC043	102	105	40	380	3.80E-02	4.00E-03
KPRC044	2	6	50	170	1.70E-02	5.00E-03
KPRC044	6	10	60	170	1.70E-02	6.00E-03
KPRC044	10	14	60	360	3.60E-02	6.00E-03
KPRC044	14	18	30	140	0.014	0.003
KPRC044	18	22	40	20	2.00E-03	4.00E-03
KPRC044	22	26	20	10	0.001	2.00E-03
KPRC044	26	30	10	10	0.001	0.001
KPRC044	30	34	20	-10	-0.001	2.00E-03
KPRC044	34	38	20	10	0.001	2.00E-03
KPRC044	38	42	20	-10	-0.001	2.00E-03
KPRC044	42	45	10	-10	-0.001	0.001
KPRC044	45	49	10	-10	-0.001	0.001
KPRC044	49	53	20	-10	-0.001	2.00E-03
KPRC044	53	57	20	-10	-0.001	2.00E-03
KPRC044	57	61	20	-10	-0.001	2.00E-03
KPRC044	61	65	20	-10	-0.001	2.00E-03
KPRC044	65	69	40	20	2.00E-03	4.00E-03
KPRC044	69	73	20	30	0.003	2.00E-03
KPRC044	73	77	100	190	1.90E-02	1.00E-02
KPRC044	77	81	60	1190	0.119	6.00E-03
KPRC044	81	85	40	1680	0.168	4.00E-03
KPRC044	85	89	70	2860	0.28600001	7.00E-03
KPRC044	89	93	30	2550	0.255	0.003
KPRC044	93	97	10	1900	0.19	0.001
KPRC044	97	101	30	2340	0.234	0.003
KPRC044	101	105	20	1480	0.148	2.00E-03
KPRC044	105	107	30	820	8.20E-02	0.003
KPRC044	107	109	20	190	1.90E-02	2.00E-03
KPRC044	109	111	20	330	0.033	2.00E-03
KPRC044	111	112	-10	300	3.00E-02	-0.001
KPRC044	112	113	10	210	0.021	0.001
KPRC044	113	114	-10	290	2.90E-02	-0.001

KPRC044	114	116	30	210	0.021	0.003
KPRC044	116	118	30	330	0.033	0.003
KPRC044	118	120	30	140	0.014	0.003
KPRC045	4	8	10	410	4.10E-02	0.001
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KPRC045	12	16	20	230	0.023	2.00E-03
KPRC045	16	20	10	310	3.10E-02	0.001
KPRC045	20	24	10	160	1.60E-02	0.001
KPRC045	24	28	-10	180	1.80E-02	-0.001
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KPRC045	36	40	10	370	0.037	0.001
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KPRC045	88	92	20	140	0.014	2.00E-03
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KPRC046	19	23	30	360	3.60E-02	0.003
KPRC046	23	27	10	360	3.60E-02	0.001
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KPRC046	75	79	900	2440	0.244	9.00E-02
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KPRC046	87	91	20	300	3.00E-02	2.00E-03
KPRC046	91	94	90	500	5.00E-02	9.00E-03
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KPRC058	82	83	60	1290	0.12899999	6.00E-03
KPRC058	83	84	60	1300	0.13	6.00E-03
KPRC058	84	85	20	16200	1.62	2.00E-03
KPRC058	85	86	10	28200	2.8199999	0.001
KPRC058	86	87	10	17300	1.73	0.001
KPRC058	87	88	20	12400	1.24	2.00E-03
KPRC058	88	89	20	7590	0.759	2.00E-03
KPRC058	89	90	10	2450	0.245	0.001
KPRC058	90	91	20	640	6.40E-02	2.00E-03
KPRC058	91	92	20	1210	0.121	2.00E-03
KPRC058	92	93	40	800	8.00E-02	4.00E-03
KPRC058	93	94	30	2260	0.226	0.003
KPRC058	94	95	30	270	2.70E-02	0.003
KPRC058	95	96	40	510	5.10E-02	4.00E-03
KPRC058	96	97	40	210	0.021	4.00E-03
KPRC058	97	98	40	1230	0.123	4.00E-03
KPRC058	98	99	40	160	1.60E-02	4.00E-03
KPRC058	99	100	40	270	2.70E-02	4.00E-03
KPRC058	100	101	30	160	1.60E-02	0.003
KPRC058	101	102	50	360	3.60E-02	5.00E-03
KPRC058	102	103	40	300	3.00E-02	4.00E-03
KPRC058	103	104	40	120	0.012	4.00E-03
KPRC058	104	105	40	80	8.00E-03	4.00E-03
KPRC058	105	106	40	600	6.00E-02	4.00E-03
KPRC058	106	107	340	15100	1.51	3.40E-02
KPRC058	107	108	50	470	4.70E-02	5.00E-03
KPRC058	108	109	50	670	6.70E-02	5.00E-03
KPRC058	109	110	50	1120	0.112	5.00E-03
KPRC058	110	111	50	150	0.015	5.00E-03
KPRC058	111	112	60	730	7.30E-02	6.00E-03
KPRC058	112	113	60	420	4.20E-02	6.00E-03
KPRC058	113	114	60	800	8.00E-02	6.00E-03
KPRC058	114	115	60	640	6.40E-02	6.00E-03
KPRC058	115	116	50	360	3.60E-02	5.00E-03
KPRC058	116	117	60	850	8.50E-02	6.00E-03
KPRC058	117	118	40	190	1.90E-02	4.00E-03
KPRC058	118	119	40	90	9.00E-03	4.00E-03
KPRC058	119	120	50	220	0.022	5.00E-03
KPRC058	120	124	40	170	1.70E-02	4.00E-03
KPRC058	124	128	60	160	1.60E-02	6.00E-03
KPRC058	128	132	50	120	0.012	5.00E-03
KPRC058	132	136	50	230	0.023	5.00E-03
KPRC058	136	140	40	6190	0.61900002	4.00E-03
KPRC059	3	7	150	950	9.50E-02	0.015
KPRC059	7	11	140	960	9.60E-02	0.014

KPRC059	11	15	70	840	8.40E-02	7.00E-03
KPRC059	15	19	10	170	1.70E-02	0.001
KPRC059	19	23	10	170	1.70E-02	0.001
KPRC059	23	27	30	620	6.20E-02	0.003
KPRC059	27	31	30	650	6.50E-02	0.003
KPRC059	31	35	20	540	5.40E-02	2.00E-03
KPRC059	35	39	20	550	0.055	2.00E-03
KPRC059	39	43	20	870	8.70E-02	2.00E-03
KPRC059	43	47	30	460	0.046	0.003
KPRC059	47	51	30	850	8.50E-02	0.003
KPRC059	51	55	80	840	8.40E-02	8.00E-03
KPRC059	55	59	40	690	6.90E-02	4.00E-03
KPRC059	59	63	70	740	7.40E-02	7.00E-03
KPRC059	63	67	80	770	0.077	8.00E-03
KPRC059	67	71	40	1020	0.102	4.00E-03
KPRC059	71	75	40	1040	0.104	4.00E-03
KPRC059	75	79	80	430	4.30E-02	8.00E-03
KPRC059	79	83	80	410	4.10E-02	8.00E-03
KPRC059	83	87				
KPRC059	87	91	40	890	8.90E-02	4.00E-03
KPRC059	91	95	50	920	0.092	5.00E-03
KPRC059	95	99	40	930	9.30E-02	4.00E-03
KPRC059	99	103	40	950	9.50E-02	4.00E-03
KPRC059	103	107	70	1230	0.123	7.00E-03
KPRC059	107	111	90	1110	0.111	9.00E-03
KPRC059	111	115	90	1100	0.11	9.00E-03
KPRC059	115	119	190	1440	0.14399999	1.90E-02
KPRC059	119	120	180	1420	0.142	1.80E-02
KPRC060	1	5	150	510	5.10E-02	0.015
KPRC060	5	9	490	1240	0.124	4.90E-02
KPRC060	9	13	190	1270	0.127	1.90E-02
KPRC060	13	17	370	3610	0.361	0.037
KPRC060	17	20	580	33500	3.3499999	5.80E-02
KPRC060	20	22	360	34200	3.4200001	3.60E-02
KPRC060	22	23	360	30000	3	3.60E-02
KPRC060	23	24	320	15800	1.58	3.20E-02
KPRC060	24	25	340	27600	2.76	3.40E-02
KPRC060	25	26	260	14200	1.42	2.60E-02
KPRC060	26	27	190	13500	1.35	1.90E-02
KPRC060	27	28	180	7570	0.75700003	1.80E-02
KPRC060	28	29	180	37000	3.7	1.80E-02
KPRC060	29	30	180	15600	1.5599999	1.80E-02
KPRC060	30	34	240	5320	0.53200001	0.024
KPRC060	34	38	320	8550	0.85500002	3.20E-02
KPRC060	38	39	430	6980	0.69800001	4.30E-02
KPRC060	39	40	410	8370	0.83700001	4.10E-02
KPRC060	40	41	430	14100	1.41	4.30E-02
KPRC060	41	42	500	18700	1.87	5.00E-02
KPRC060	42	43	470	11900	1.1900001	4.70E-02
KPRC060	43	44	460	18700	1.87	0.046
KPRC060	44	45	340	27300	2.73	3.40E-02
KPRC060	45	46	400	14300	1.4299999	4.00E-02
KPRC060	46	47	50	380	3.80E-02	5.00E-03
KPRC060	47	48	230	18900	1.89	0.023
KPRC060	48	49	160	44300	4.4299998	1.60E-02
KPRC060	49	50	120	34900	3.49	0.012
KPRC060	50	51	170	17200	1.72	1.70E-02
KPRC060	51	52	190	19500	1.95	1.90E-02
KPRC060	52	53	210	16000	1.6	0.021
KPRC060	53	54	220	14500	1.45	0.022
KPRC060	54	55	230	12000	1.2	0.023
KPRC060	55	56	40	890	8.90E-02	4.00E-03
KPRC060	56	57	220	15000	1.5	0.022

KPRC060	57	58	230	14700	1.47	0.023
KPRC060	58	59	220	11400	1.14	0.022
KPRC060	59	60	220	12300	1.23	0.022
KPRC060	60	61	220	14200	1.42	0.022
KPRC060	61	62	40	770	0.077	4.00E-03
KPRC060	62	63	30	980	9.80E-02	0.003
KPRC060	63	64	40	940	9.40E-02	4.00E-03
KPRC060	64	65	30	750	7.50E-02	0.003
KPRC060	65	66	30	700	0.07	0.003
KPRC060	66	70	20	400	4.00E-02	2.00E-03
KPRC060	70	74	10	130	0.013	0.001
KPRC060	74	78	10	50	5.00E-03	0.001
KPRC060	78	82	20	50	5.00E-03	2.00E-03
KPRC060	82	85	20	30	0.003	2.00E-03
KPRC061	5	9	1020	1150	0.115	0.102
KPRC061	9	13	670	980	9.80E-02	6.70E-02
KPRC061	13	17	360	330	0.033	3.60E-02
KPRC061	17	21	2200	1610	0.161	0.22
KPRC061	21	25	1450	1520	0.152	0.145
KPRC061	25	29	1100	1790	0.17900001	0.11
KPRC061	29	31	210	38600	3.8599999	0.021
KPRC061	31	32	130	39400	3.9400001	0.013
KPRC061	32	33	70	11600	1.16	7.00E-03
KPRC061	33	34	50	8470	0.847	5.00E-03
KPRC061	34	35	50	16900	1.6900001	5.00E-03
KPRC061	35	37	80	12150	1.215	8.00E-03
KPRC061	37	39	180	13550	1.355	1.80E-02
KPRC061	39	40	50	12900	1.29	5.00E-03
KPRC061	40	41	50	13750	1.375	5.00E-03
KPRC061	41	42	20	19050	1.905	2.00E-03
KPRC061	42	43	30	78400	7.8400002	0.003
KPRC061	43	44	60	71100	7.1100001	6.00E-03
KPRC061	44	45	40	78600	7.8600001	4.00E-03
KPRC061	45	46	30	43800	4.3800001	0.003
KPRC061	46	47	10	23000	2.3	0.001
KPRC061	47	48	10	8890	0.889	0.001
KPRC061	48	49	10	1990	0.199	0.001
KPRC061	49	53	-10	270	2.70E-02	-0.001
KPRC061	53	57	-10	110	0.011	-0.001
KPRC061	57	61	20	450	4.50E-02	2.00E-03
KPRC061	61	65	10	300	3.00E-02	0.001
KPRC061	65	69	20	290	2.90E-02	2.00E-03
KPRC061	69	73	10	70	7.00E-03	0.001
KPRC061	73	77	40	420	4.20E-02	4.00E-03
KPRC061	77	81	70	870	8.70E-02	7.00E-03
KPRC061	81	85	60	1790	0.17900001	6.00E-03
KPRC061	85	89	40	3670	0.36700001	4.00E-03
KPRC061	89	93	50	6080	0.60799998	5.00E-03
KPRC061	93	97	120	1060	0.106	0.012
KPRC061	97	101	100	900	9.00E-02	1.00E-02
KPRC062	4	8	60	120	0.012	6.00E-03
KPRC062	8	12	10	20	2.00E-03	0.001
KPRC062	12	16	10	10	0.001	0.001
KPRC062	16	20	10	20	2.00E-03	0.001
KPRC062	20	24	10	-10	-0.001	0.001
KPRC062	24	28	20	10	0.001	2.00E-03
KPRC062	28	32	20	10	0.001	2.00E-03
KPRC062	32	36	30	-10	-0.001	0.003
KPRC062	36	40	40	-10	-0.001	4.00E-03
KPRC062	40	44	50	110	0.011	5.00E-03
KPRC062	44	48	40	120	0.012	4.00E-03
KPRC062	48	52	20	20	2.00E-03	2.00E-03
KPRC062	52	56	20	10	0.001	2.00E-03

KPRC062	56	60	20	-10	-0.001	2.00E-03
KPRC062	60	64	20	-10	-0.001	2.00E-03
KPRC062	64	68	10	-10	-0.001	0.001
KPRC062	68	72	20	-10	-0.001	2.00E-03
KPRC062	72	76	20	-10	-0.001	2.00E-03
KPRC062	76	80	20	10	0.001	2.00E-03
KPRC063	4	8	30	90	9.00E-03	0.003
KPRC063	8	12	50	40	4.00E-03	5.00E-03
KPRC063	12	16	30	10	0.001	0.003
KPRC063	16	20	20	10	0.001	2.00E-03
KPRC063	20	24	20	30	0.003	2.00E-03
KPRC063	24	28	20	20	2.00E-03	2.00E-03
KPRC063	28	32	20	20	2.00E-03	2.00E-03
KPRC063	32	36	30	20	2.00E-03	0.003
KPRC063	36	40	40	40	4.00E-03	4.00E-03
KPRC063	40	44	70	60	6.00E-03	7.00E-03
KPRC063	44	48	110	1030	0.103	0.011
KPRC063	48	52	30	1570	0.15700001	0.003
KPRC063	52	56	30	4810	0.48100001	0.003
KPRC063	56	57	70	13950	1.395	7.00E-03
KPRC063	57	58	30	4300	0.43000001	0.003
KPRC063	58	59	20	1770	0.177	2.00E-03
KPRC063	59	60	20	3720	0.37200001	2.00E-03
KPRC063	60	61	10	3060	0.30599999	0.001
KPRC063	61	62	30	3580	0.35800001	0.003
KPRC063	62	63	20	1590	0.15899999	2.00E-03
KPRC063	63	64	20	3080	0.308	2.00E-03
KPRC063	64	65	30	10700	1.0700001	0.003
KPRC063	65	66	20	1920	0.192	2.00E-03
KPRC063	66	67	20	4880	0.48800001	2.00E-03
KPRC063	67	69	30	1840	0.184	0.003
KPRC063	69	71	30	1920	0.192	0.003
KPRC063	71	72	10	1980	0.198	0.001
KPRC063	72	73	10	3790	0.37900001	0.001
KPRC063	73	74	10	1890	0.189	0.001
KPRC063	74	75	10	1570	0.15700001	0.001
KPRC063	75	76	20	80	8.00E-03	2.00E-03
KPRC063	76	77	20	80	8.00E-03	2.00E-03
KPRC063	77	78	30	620	6.20E-02	0.003
KPRC063	78	79	50	80	8.00E-03	5.00E-03
KPRC063	79	80	50	70	7.00E-03	5.00E-03
KPRC063	80	81	40	80	8.00E-03	4.00E-03
KPRC063	81	82	30	920	0.092	0.003
KPRC063	82	83	40	390	3.90E-02	4.00E-03
KPRC063	83	84	50	160	1.60E-02	5.00E-03
KPRC063	84	85	40	190	1.90E-02	4.00E-03
KPRC063	85	86	40	1850	0.185	4.00E-03
KPRC063	86	87	10	2210	0.221	0.001
KPRC063	87	88	40	90	9.00E-03	4.00E-03
KPRC063	88	89	40	100	1.00E-02	4.00E-03
KPRC063	89	90	40	1150	0.115	4.00E-03
KPRC063	90	91	40	580	5.80E-02	4.00E-03
KPRC063	91	92	40	540	5.40E-02	4.00E-03
KPRC063	92	93	50	110	0.011	5.00E-03
KPRC063	93	94	40	1140	0.114	4.00E-03
KPRC063	94	95	50	450	4.50E-02	5.00E-03
KPRC063	95	96	40	180	1.80E-02	4.00E-03
KPRC063	96	97	40	260	2.60E-02	4.00E-03
KPRC063	97	98	50	850	8.50E-02	5.00E-03
KPRC063	98	99	40	280	2.80E-02	4.00E-03
KPRC063	99	100	50	120	0.012	5.00E-03
KPRC063	100	101	50	180	1.80E-02	5.00E-03
KPRC063	101	102	40	560	5.60E-02	4.00E-03

KPRC063	102	103	40	380	3.80E-02	4.00E-03
KPRC063	103	104	40	200	0.02	4.00E-03
KPRC063	104	105	40	140	0.014	4.00E-03
KPRC063	105	106	40	480	0.048	4.00E-03
KPRC063	106	107	40	200	0.02	4.00E-03
KPRC063	107	108	40	330	0.033	4.00E-03
KPRC063	108	109	30	1030	0.103	0.003
KPRC063	109	110	40	260	2.60E-02	4.00E-03
KPRC063	110	111	50	180	1.80E-02	5.00E-03
KPRC063	111	112	40	180	1.80E-02	4.00E-03
KPRC063	112	113	40	140	0.014	4.00E-03
KPRC063	113	114	60	220	0.022	6.00E-03
KPRC063	114	115	70	240	0.024	7.00E-03
KPRC063	115	116	40	190	1.90E-02	4.00E-03
KPRC063	116	117	50	360	3.60E-02	5.00E-03
KPRC063	117	118	40	270	2.70E-02	4.00E-03
KPRC063	118	119	40	170	1.70E-02	4.00E-03
KPRC063	119	120	30	180	1.80E-02	0.003
KPRC063	120	121	40	370	0.037	4.00E-03
KPRC063	121	122	30	180	1.80E-02	0.003
KPRC063	122	123	30	110	0.011	0.003
KPRC063	123	124	30	350	0.035	0.003
KPRC063	124	125	30	160	1.60E-02	0.003
KPRC063	125	126	50	180	1.80E-02	5.00E-03
KPRC063	126	127	50	70	7.00E-03	5.00E-03
KPRC063	127	128	30	40	4.00E-03	0.003
KPRC063	128	129	40	200	0.02	4.00E-03
KPRC063	129	130	30	280	2.80E-02	0.003
KPRC063	130	131	50	210	0.021	5.00E-03
KPRC063	131	132	40	250	0.025	4.00E-03
KPRC063	132	133	60	220	0.022	6.00E-03
KPRC063	133	136	30	210	0.021	0.003
KPRC063	136	140	30	100	1.00E-02	0.003
KPRC064	4	8	10	440	0.044	0.001
KPRC064	8	12	30	360	3.60E-02	0.003
KPRC064	12	16	50	480	0.048	5.00E-03
KPRC064	16	20	70	540	5.40E-02	7.00E-03
KPRC064	20	24	60	560	5.60E-02	6.00E-03
KPRC064	24	28	60	560	5.60E-02	6.00E-03
KPRC064	28	32	30	360	3.60E-02	0.003
KPRC064	32	36	40	270	2.70E-02	4.00E-03
KPRC064	36	40	50	260	2.60E-02	5.00E-03
KPRC064	40	44	30	220	0.022	0.003
KPRC064	44	48	30	230	0.023	0.003
KPRC064	48	52	40	190	1.90E-02	4.00E-03
KPRC064	52	56	20	250	0.025	2.00E-03
KPRC064	56	60	40	1610	0.161	4.00E-03
KPRC064	60	64	50	370	0.037	5.00E-03
KPRC064	64	68	40	430	4.30E-02	4.00E-03
KPRC064	68	72	40	1650	0.16500001	4.00E-03
KPRC064	72	76	20	360	3.60E-02	2.00E-03
KPRC064	76	80	20	220	0.022	2.00E-03
KPRC064	80	84	20	130	0.013	2.00E-03
KPRC064	84	88	20	130	0.013	2.00E-03
KPRC064	88	92	20	110	0.011	2.00E-03
KPRC064	92	96	10	90	9.00E-03	0.001
KPRC064	96	100	20	270	2.70E-02	2.00E-03
KPRC065	6	10	30	510	5.10E-02	0.003
KPRC065	10	14	220	1770	0.177	0.022
KPRC065	14	18	240	1280	0.12800001	0.024
KPRC065	18	22	360	2160	0.21600001	3.60E-02
KPRC065	22	26	420	3380	0.338	4.20E-02
KPRC065	26	30	680	3260	0.32600001	6.80E-02

KPRC065	30	34	730	6580	0.65799999	7.30E-02
KPRC065	34	38	360	3950	0.39500001	3.60E-02
KPRC065	38	42	110	2880	0.28799999	0.011
KPRC065	42	46	370	3090	0.30899999	0.037
KPRC065	46	50	30	490	4.90E-02	0.003
KPRC065	50	54	20	310	3.10E-02	2.00E-03
KPRC065	54	58	10	230	0.023	0.001
KPRC065	58	62	10	150	0.015	0.001
KPRC065	62	66	-10	20	2.00E-03	-0.001
KPRC065	66	70	-10	20	2.00E-03	-0.001
KPRC065	70	74	10	80	8.00E-03	0.001
KPRC065	74	78	10	130	0.013	0.001
KPRC065	78	82	10	130	0.013	0.001
KPRC065	82	86	40	450	4.50E-02	4.00E-03
KPRC065	86	90	50	720	7.20E-02	5.00E-03
KPRC065	90	94	40	530	5.30E-02	4.00E-03
KPRC065	94	98	40	510	5.10E-02	4.00E-03
KPRC065	98	100	10	230	0.023	0.001
KPRC066	4	8	180	750	7.50E-02	1.80E-02
KPRC066	8	12	100	700	0.07	1.00E-02
KPRC066	12	16	230	740	7.40E-02	0.023
KPRC066	16	20	220	750	7.50E-02	0.022
KPRC066	20	24	70	1220	0.122	7.00E-03
KPRC066	24	28	110	1020	0.102	0.011
KPRC066	28	32	120	990	9.90E-02	0.012
KPRC066	32	36	280	2400	0.23999999	2.80E-02
KPRC066	36	40	160	3620	0.36199999	1.60E-02
KPRC066	40	44	90	180	1.80E-02	9.00E-03
KPRC066	44	48	110	440	0.044	0.011
KPRC066	48	52	100	440	0.044	1.00E-02
KPRC066	52	56	90	530	5.30E-02	9.00E-03
KPRC066	56	59	60	240	0.024	6.00E-03
KPRC067	3	7	40	80	8.00E-03	4.00E-03
KPRC067	7	11	20	30	0.003	2.00E-03
KPRC067	11	15	10	-10	-0.001	0.001
KPRC067	15	19	10	30	0.003	0.001
KPRC067	19	23	20	-10	-0.001	2.00E-03
KPRC067	23	27	20	-10	-0.001	2.00E-03
KPRC067	27	31	20	10	0.001	2.00E-03
KPRC067	31	35	10	10	0.001	0.001
KPRC067	35	39	20	-10	-0.001	2.00E-03
KPRC067	39	43	10	20	2.00E-03	0.001
KPRC067	43	47	10	10	0.001	0.001
KPRC067	47	51	10	-10	-0.001	0.001
KPRC067	51	55	20	-10	-0.001	2.00E-03
KPRC067	55	59	10	-10	-0.001	0.001
KPRC067	59	63	10	10	0.001	0.001
KPRC067	63	67	10	40	4.00E-03	0.001
KPRC067	67	71	20	30	0.003	2.00E-03
KPRC067	71	75	290	200	0.02	2.90E-02
KPRC067	75	79	320	880	0.088	3.20E-02
KPRC067	79	83	170	1810	0.18099999	1.70E-02
KPRC067	83	85	260	1940	0.19400001	2.60E-02
KPRC068	5	6	150	600	6.00E-02	0.015
KPRC068	8	12	40	50	5.00E-03	4.00E-03
KPRC068	12	16	20	10	0.001	2.00E-03
KPRC068	16	20	20	10	0.001	2.00E-03
KPRC068	20	24	20	10	0.001	2.00E-03
KPRC068	24	28	10	20	2.00E-03	0.001
KPRC068	28	32	20	20	2.00E-03	2.00E-03
KPRC068	32	36	10	30	0.003	0.001
KPRC068	36	40	10	10	0.001	0.001
KPRC068	40	44	20	20	2.00E-03	2.00E-03

KPRC068	44	48	50	70	7.00E-03	5.00E-03
KPRC068	48	52	50	150	0.015	5.00E-03
KPRC068	52	56	60	140	0.014	6.00E-03
KPRC068	56	60	150	320	3.20E-02	0.015
KPRC068	60	64	210	270	2.70E-02	0.021
KPRC068	64	68	170	440	0.044	1.70E-02
KPRC068	68	71	120	460	0.046	0.012
KPRC068	71	72	60	400	4.00E-02	6.00E-03
KPRC068	72	73	60	1140	0.114	6.00E-03
KPRC068	73	74	60	1190	0.119	6.00E-03
KPRC068	74	77	170	1130	0.113	1.70E-02
KPRC068	77	80	190	1190	0.119	1.90E-02
KPRC069	5	9	70	810	0.081	7.00E-03
KPRC069	9	13	50	790	7.90E-02	5.00E-03
KPRC069	13	17	70	4670	0.46700001	7.00E-03
KPRC069	17	21	100	4050	0.405	1.00E-02
KPRC069	21	25	90	2560	0.25600001	9.00E-03
KPRC069	25	29	90	2320	0.23199999	9.00E-03
KPRC069	29	33	70	1510	0.15099999	7.00E-03
KPRC069	33	37	80	1540	0.154	8.00E-03
KPRC069	37	41	100	7590	0.759	1.00E-02
KPRC069	41	45	140	3130	0.31299999	0.014
KPRC069	45	49	140	2480	0.248	0.014
KPRC069	49	51	250	1710	0.171	0.025
KPRC069	51	52	210	1100	0.11	0.021
KPRC069	52	53	140	9370	0.93699998	0.014
KPRC069	53	55	270	1630	0.163	2.70E-02
KPRC069	55	57	260	520	5.20E-02	2.60E-02
KPRC069	57	58	110	7610	0.76099998	0.011
KPRC069	58	59	90	2330	0.233	9.00E-03
KPRC069	59	60	80	1090	0.109	8.00E-03
KPRC069	60	64	60	790	7.90E-02	6.00E-03
KPRC069	64	68	40	540	5.40E-02	4.00E-03
KPRC069	68	72	30	430	4.30E-02	0.003
KPRC069	72	76	30	640	6.40E-02	0.003
KPRC069	76	80	20	140	0.014	2.00E-03
KPRC069	80	84	30	650	6.50E-02	0.003
KPRC069	84	88	20	100	1.00E-02	2.00E-03
KPRC069	88	92	20	60	6.00E-03	2.00E-03
KPRC069	92	96	20	100	1.00E-02	2.00E-03
KPRC070	96	100	20	90	9.00E-03	2.00E-03
KPRC070	2	5	60	400	4.00E-02	6.00E-03
KPRC070	8	12	430	500	5.00E-02	4.30E-02
KPRC070	12	16	500	1600	0.16	5.00E-02
KPRC070	16	20	450	1460	0.146	4.50E-02
KPRC070	20	24	260	1280	0.12800001	2.60E-02
KPRC070	24	28	230	2210	0.221	0.023
KPRC070	28	32	650	2040	0.204	6.50E-02
KPRC070	32	36	160	2620	0.26199999	1.60E-02
KPRC070	36	40	190	3760	0.37599999	1.90E-02
KPRC070	40	44	270	4000	0.40000001	2.70E-02
KPRC070	44	48	60	2860	0.28600001	6.00E-03
KPRC070	48	52	70	1080	0.108	7.00E-03
KPRC070	52	56	80	1790	0.17900001	8.00E-03
KPRC070	56	60	80	2410	0.241	8.00E-03
KPRC070	60	64	20	430	4.30E-02	2.00E-03
KPRC070	64	68	30	250	0.025	0.003
KPRC070	68	72	10	180	1.80E-02	0.001
KPRC070	72	76	10	150	0.015	0.001
KPRC070	76	80	20	120	0.012	2.00E-03
KPRC070	80	84	90	220	0.022	9.00E-03
KPRC070	84	88	40	120	0.012	4.00E-03
KPRC070	88	92	30	70	7.00E-03	0.003

KPRC070	92	96	50	40	4.00E-03	5.00E-03
KPRC071	5	9	650	770	0.077	6.50E-02
KPRC071	9	13	380	580	5.80E-02	3.80E-02
KPRC071	13	17	90	700	0.07	9.00E-03
KPRC071	17	21	120	540	5.40E-02	0.012
KPRC071	21	25	490	780	7.80E-02	4.90E-02
KPRC071	25	29	260	850	8.50E-02	2.60E-02
KPRC071	29	33	220	4920	0.49200001	0.022
KPRC071	33	37	30	4820	0.48199999	0.003
KPRC071	37	41	60	1370	0.13699999	6.00E-03
KPRC071	41	45	40	210	0.021	4.00E-03
KPRC071	45	49	60	520	5.20E-02	6.00E-03
KPRC071	49	53	50	950	9.50E-02	5.00E-03
KPRC071	53	57	100	610	6.10E-02	1.00E-02
KPRC072	5	9	840	1060	0.106	8.40E-02
KPRC072	9	13	220	770	0.077	0.022
KPRC072	13	17	200	1420	0.142	0.02
KPRC072	17	21	150	890	8.90E-02	0.015
KPRC072	21	22	140	830	8.30E-02	0.014
KPRC072	22	23	150	870	8.70E-02	0.015
KPRC072	23	24	350	6020	0.602	0.035
KPRC072	24	28	440	3130	0.31299999	0.044
KPRC072	28	32	110	3610	0.361	0.011
KPRC072	32	33	100	6690	0.66900003	1.00E-02
KPRC072	33	34	170	3790	0.37900001	1.70E-02
KPRC072	34	35	190	3790	0.37900001	1.90E-02
KPRC072	35	36	90	3240	0.324	9.00E-03
KPRC072	36	37	130	3050	0.30500001	0.013
KPRC072	37	38	160	3940	0.39399999	1.60E-02
KPRC072	38	39	140	5120	0.51200002	0.014
KPRC072	39	40	90	3630	0.36300001	9.00E-03
KPRC072	40	41	80	2350	0.235	8.00E-03
KPRC072	41	45	100	2360	0.236	1.00E-02
KPRC072	45	49	80	330	0.033	8.00E-03
KPRC072	49	53	90	170	1.70E-02	9.00E-03
KPRC072	53	57	70	80	8.00E-03	7.00E-03
KPRC073	5	9	180	540	5.40E-02	1.80E-02
KPRC073	9	13	100	650	6.50E-02	1.00E-02
KPRC073	13	17	80	540	5.40E-02	8.00E-03
KPRC073	17	21	70	270	2.70E-02	7.00E-03
KPRC073	21	25	50	140	0.014	5.00E-03
KPRC073	25	29	70	500	5.00E-02	7.00E-03
KPRC073	29	33	60	630	6.30E-02	6.00E-03
KPRC073	33	37	80	770	0.077	8.00E-03
KPRC073	37	41	110	1330	0.133	0.011
KPRC073	41	45	240	1610	0.161	0.024
KPRC073	45	49	80	920	0.092	8.00E-03
KPRC073	49	53	110	1220	0.122	0.011
KPRC073	53	57	110	520	5.20E-02	0.011
KPRC073	57	61	100	350	0.035	1.00E-02
KPRC073	61	65	70	140	0.014	7.00E-03
KPRC073	65	69	20	90	9.00E-03	2.00E-03
KPRC073	69	73	50	170	1.70E-02	5.00E-03
KPRC073	73	77	30	100	1.00E-02	0.003
KPRC073	77	80	20	110	0.011	2.00E-03
KPRC074	2	6	170	870	8.70E-02	1.70E-02
KPRC074	6	10	230	1670	0.167	0.023
KPRC074	10	14	320	1910	0.191	3.20E-02
KPRC074	14	18	370	1880	0.18799999	0.037
KPRC074	18	22	260	1800	0.18000001	2.60E-02
KPRC074	22	26	340	1900	0.19	3.40E-02
KPRC074	26	30	250	1510	0.15099999	0.025
KPRC074	30	34	270	1490	0.149	2.70E-02

KPRC074	34	38	220	1350	0.13500001	0.022
KPRC074	38	42	200	1370	0.13699999	0.02
KPRC074	42	46	200	1340	0.134	0.02
KPRC074	46	50	150	3430	0.34299999	0.015
KPRC074	50	54	160	3630	0.36300001	1.60E-02
KPRC074	54	58	100	1460	0.146	1.00E-02
KPRC074	58	62	80	1160	0.116	8.00E-03
KPRC074	62	66	90	1010	0.101	9.00E-03
KPRC074	66	70	70	630	6.30E-02	7.00E-03
KPRC074	70	74	70	630	6.30E-02	7.00E-03
KPRC074	74	78	50	450	4.50E-02	5.00E-03
KPRC074	78	80	70	670	6.70E-02	7.00E-03
KPRC075	5	9	90	920	0.092	9.00E-03
KPRC075	9	13	130	1170	0.117	0.013
KPRC075	13	17	270	1860	0.186	2.70E-02
KPRC075	17	21	140	1280	0.12800001	0.014
KPRC075	21	25	60	920	0.092	6.00E-03
KPRC075	25	29	80	1110	0.111	8.00E-03
KPRC075	29	33	170	1120	0.112	1.70E-02
KPRC075	33	37	110	1360	0.13600001	0.011
KPRC075	37	41	90	1270	0.127	9.00E-03
KPRC075	41	45	100	1530	0.153	1.00E-02
KPRC075	45	49	70	970	9.70E-02	7.00E-03
KPRC075	49	53	50	750	7.50E-02	5.00E-03
KPRC075	53	57	80	400	4.00E-02	8.00E-03
KPRC075	57	58	80	560	5.60E-02	8.00E-03
KPRC075	60	64	50	310	3.10E-02	5.00E-03
KPRC075	64	68	40	190	1.90E-02	4.00E-03
KPRC075	68	72	20	50	5.00E-03	2.00E-03
KPRC075	72	76	20	50	5.00E-03	2.00E-03
KPRC075	76	80	60	100	1.00E-02	6.00E-03
KPRC076	5	9	100	810	0.081	1.00E-02
KPRC076	9	13	80	1060	0.106	8.00E-03
KPRC076	13	17	100	1740	0.17399999	1.00E-02
KPRC076	17	21	110	1190	0.119	0.011
KPRC076	21	25	80	900	9.00E-02	8.00E-03
KPRC076	25	29	80	730	7.30E-02	8.00E-03
KPRC076	29	33	80	830	8.30E-02	8.00E-03
KPRC076	33	37	100	940	9.40E-02	1.00E-02
KPRC076	37	41	110	1370	0.13699999	0.011
KPRC076	41	45	250	2400	0.23999999	0.025
KPRC076	45	49	140	1170	0.117	0.014
KPRC076	49	53	170	1770	0.177	1.70E-02
KPRC076	53	57	150	2930	0.29300001	0.015
KPRC076	57	61	160	2700	0.27000001	1.60E-02
KPRC076	61	65	170	2470	0.24699999	1.70E-02
KPRC076	65	69	110	1580	0.15800001	0.011
KPRC076	69	73	90	1230	0.123	9.00E-03
KPRC076	73	77	60	540	5.40E-02	6.00E-03
KPRC076	77	80	30	1010	0.101	0.003
KPRC077	6	10	140	950	9.50E-02	0.014
KPRC077	10	14	120	1700	0.17	0.012
KPRC077	14	18	90	1320	0.132	9.00E-03
KPRC077	18	22	120	1580	0.15800001	0.012
KPRC077	22	26	100	1400	0.14	1.00E-02
KPRC077	26	30	120	2080	0.208	0.012
KPRC077	30	34	80	1040	0.104	8.00E-03
KPRC077	34	38	80	1000	0.1	8.00E-03
KPRC077	38	42	60	1420	0.142	6.00E-03
KPRC077	42	46	60	1940	0.19400001	6.00E-03
KPRC077	46	50	30	1420	0.142	0.003
KPRC077	50	54	30	1320	0.132	0.003
KPRC077	54	58	40	1650	0.16500001	4.00E-03

KPRC077	58	62	40	1560	0.156	4.00E-03
KPRC077	62	66	40	1570	0.15700001	4.00E-03
KPRC077	66	70	50	2340	0.234	5.00E-03
KPRC077	70	74	60	1850	0.185	6.00E-03
KPRC077	74	78	30	1360	0.13600001	0.003
KPRC077	78	80	30	360	3.60E-02	0.003
KPDH001	0	2	30	130	0.013	0.003
KPDH001	2	4	30	220	0.022	0.003
KPDH001	4	6	30	300	3.00E-02	0.003
KPDH001	6	8	20	300	3.00E-02	2.00E-03
KPDH001	8	10				
KPDH001	10	12	20	320	3.20E-02	2.00E-03
KPDH001	12	14	-10	350	0.035	-0.001
KPDH001	14	16	10	520	5.20E-02	0.001
KPDH001	16	18	10	780	7.80E-02	0.001
KPDH001	18	20	-10	1140	0.114	-0.001
KPDH001	20	22	10	1050	0.105	0.001
KPDH001	22	24	20	910	9.10E-02	2.00E-03
KPDH001	24	26	60	1220	0.122	6.00E-03
KPDH001	26	28	200	1650	0.16500001	0.02
KPDH001	28	29	90	2440	0.244	9.00E-03
KPDH001	29	30	90	2050	0.205	9.00E-03
KPDH001	30	31	140	6510	0.65100002	0.014
KPDH001	31	32	130	5060	0.50599998	0.013
KPDH001	32	33	70	1590	0.15899999	7.00E-03
KPDH001	33	34	70	1500	0.15000001	7.00E-03
KPDH001	34	35	30	1100	0.11	0.003
KPDH001	35	36	30	2630	0.26300001	0.003
KPDH001	36	37	20	1170	0.117	2.00E-03
KPDH001	37	38	50	1410	0.141	5.00E-03
KPDH001	38	39	40	1940	0.19400001	4.00E-03
KPDH001	39	40	40	1320	0.132	4.00E-03
KPDH001	40	41	220	2060	0.206	0.022
KPDH001	41	42	70	1820	0.182	7.00E-03
KPDH001	42	43	40	1900	0.19	4.00E-03
KPDH001	43	44	40	2750	0.27500001	4.00E-03
KPDH001	44	45	50	1530	0.153	5.00E-03
KPDH001	45	46	30	1490	0.149	0.003
KPDH001	46	47	30	1680	0.168	0.003
KPDH001	47	48	30	1360	0.13600001	0.003
KPDH001	48	49	40	1700	0.17	4.00E-03
KPDH001	49	50	20	2120	0.212	2.00E-03
KPDH001	50	51	20	970	9.70E-02	2.00E-03
KPDH001	51	52	50	1360	0.13600001	5.00E-03
KPDH001	52	53	20	770	0.077	2.00E-03
KPDH001	53	54	10	750	7.50E-02	0.001
KPDH001	54	55	10	860	8.60E-02	0.001
KPDH001	55	56	40	1420	0.142	4.00E-03
KPDH001	56	57	10	1370	0.13699999	0.001
KPDH001	57	58	20	8890	0.889	2.00E-03
KPDH001	58	59	-10	5070	0.50700003	-0.001
KPDH001	59	60	10	8290	0.829	0.001
KPDH001	60	61	-10	5800	0.57999998	-0.001
KPDH001	61	62	-10	1160	0.116	-0.001
KPDH001	62	63	-10	1720	0.17200001	-0.001
KPDH001	63	64	30	2910	0.29100001	0.003
KPDH001	64	65	10	12450	1.245	0.001
KPDH001	65	66	30	4350	0.435	0.003
KPDH001	66	67	20	130	0.013	2.00E-03
KPDH001	67	68	30	90	9.00E-03	0.003
KPDH001	68	69	20	100	1.00E-02	2.00E-03
KPDH001	69	70	20	100	1.00E-02	2.00E-03
KPDH001	70	71	20	140	0.014	2.00E-03

KPDH001	71	72	30	80	8.00E-03	0.003
KPDH001	72	73	30	80	8.00E-03	0.003
KPDH001	73	74	70	70	7.00E-03	7.00E-03
KPDH001	74	75	40	100	1.00E-02	4.00E-03
KPDH001	75	76	40	90	9.00E-03	4.00E-03
KPDH001	76	77	40	100	1.00E-02	4.00E-03
KPDH001	77	78	70	150	0.015	7.00E-03
KPDH001	78	79	90	300	3.00E-02	9.00E-03
KPDH001	79	80	80	110	0.011	8.00E-03
KPDH001	80	81	60	100	1.00E-02	6.00E-03
KPDH001	81	82	60	110	0.011	6.00E-03
KPDH001	82	83	70	160	1.60E-02	7.00E-03
KPDH001	83	84	80	200	0.02	8.00E-03
KPDH001	84	85	70	140	0.014	7.00E-03
KPDH001	85	86	40	100	1.00E-02	4.00E-03
KPDH001	86	87	30	110	0.011	0.003
KPDH001	87	88	40	100	1.00E-02	4.00E-03
KPDH001	88	89	30	120	0.012	0.003
KPDH001	89	90	50	110	0.011	5.00E-03
KPDH001	90	91	30	120	0.012	0.003
KPDH001	91	92	30	150	0.015	0.003
KPDH001	92	93	30	140	0.014	0.003
KPDH001	93	94	40	130	0.013	4.00E-03
KPDH001	94	95	30	130	0.013	0.003
KPDH001	95	96	30	150	0.015	0.003
KPDH001	96	97	30	140	0.014	0.003
KPDH001	97	98	30	130	0.013	0.003
KPDH001	98	99	30	110	0.011	0.003
KPDH001	99	100	40	100	1.00E-02	4.00E-03
KPDH001	100	101	40	90	9.00E-03	4.00E-03
KPDH001	101	102	40	80	8.00E-03	4.00E-03
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KPDH001	103	104	10	140	0.014	0.001
KPDH001	104	105	50	21100	2.1099999	5.00E-03
KPDH001	105	106	30	23700	2.3699999	0.003
KPDH001	106	107	10	14800	1.48	0.001
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KPDH001	109	110	40	20900	2.0899999	4.00E-03
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KPDH001	111	112	10	80	8.00E-03	0.001
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KPDH001	113	114	20	90	9.00E-03	2.00E-03
KPDH001	114	115	30	110	0.011	0.003
KPDH001	115	116	30	60	6.00E-03	0.003
KPDH001	116	117	10	120	0.012	0.001
KPDH001	117	118	10	70	7.00E-03	0.001
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KPDH001	148	149	30	480	0.048	0.003
KPDH001	149	150	40	550	0.055	4.00E-03
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KPDH001	165.10001	166.60001	20	230	0.023	2.00E-03
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KPDH001	172	173	-10	120	0.012	-0.001
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KPDH001	174	175	20	120	0.012	2.00E-03
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KVRC018	29	33	-10	480	0.048	-0.001
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KVRC018	45	49	110	860	8.60E-02	0.011
KVRC018	49	53	20	830	8.30E-02	2.00E-03
KVRC018	53	54	60	1080	0.108	6.00E-03
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KVRC018	55	56	10	13500	1.35	0.001
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KVRC018	65	66	50	29500	2.95	5.00E-03
KVRC018	66	67	50	28300	2.8299999	5.00E-03
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KVRC018	71	72	60	5390	0.53899997	6.00E-03
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KVRC018	73	77	40	960	9.60E-02	4.00E-03
KVRC018	77	81	40	150	0.015	4.00E-03
KVRC018	81	83	70	470	4.70E-02	7.00E-03
KVRC018	83	85	60	140	0.014	6.00E-03
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KVRC018	89	90	60	200	0.02	6.00E-03
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KVRC018	92	93	50	90	9.00E-03	5.00E-03
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KVRC018	94	95	50	230	0.023	5.00E-03
KVRC018	95	96	50	100	1.00E-02	5.00E-03
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KVRC018	105	106	70	90	9.00E-03	7.00E-03
KVRC018	106	107	70	200	0.02	7.00E-03
KVRC018	107	108	70	120	0.012	7.00E-03
KVRC018	108	109	50	140	0.014	5.00E-03
KVRC018	109	110	60	80	8.00E-03	6.00E-03
KVRC018	110	111	60	90	9.00E-03	6.00E-03
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KVRC018	112	113	50	130	0.013	5.00E-03
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KVRC018	114	115	40	170	1.70E-02	4.00E-03

KVRC018	115	116	50	170	1.70E-02	5.00E-03
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KVRC018	117	118	60	120	0.012	6.00E-03
KVRC018	118	119	50	100	1.00E-02	5.00E-03
KVRC018	119	120	50	110	0.011	5.00E-03
KVRC019	1	5	30	1900	0.19	0.003
KVRC019	5	9	30	970	9.70E-02	0.003
KVRC019	9	13	10	550	0.055	0.001
KVRC019	13	17	10	640	6.40E-02	0.001
KVRC019	17	21	-10	740	7.40E-02	-0.001
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KVRC019	59	60	40	180	1.80E-02	4.00E-03
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KVRC019	61	62	50	17000	1.7	5.00E-03
KVRC019	62	63	60	1680	0.168	6.00E-03
KVRC019	63	64	40	1640	0.164	4.00E-03
KVRC019	64	65	80	2170	0.21699999	8.00E-03
KVRC019	65	66	60	2050	0.205	6.00E-03
KVRC019	66	67	60	2840	0.28400001	6.00E-03
KVRC019	67	68	80	610	6.10E-02	8.00E-03
KVRC019	68	69	90	640	6.40E-02	9.00E-03
KVRC019	69	70	110	470	4.70E-02	0.011
KVRC019	70	71	70	7820	0.78200001	7.00E-03
KVRC019	71	72	70	17350	1.735	7.00E-03
KVRC019	72	73	50	7700	0.76999998	5.00E-03
KVRC019	73	74	60	2110	0.211	6.00E-03
KVRC019	74	75	40	1450	0.145	4.00E-03
KVRC019	75	79	40	670	6.70E-02	4.00E-03
KVRC019	79	82	40	440	0.044	4.00E-03
KVRC019	82	84	50	240	0.024	5.00E-03
KVRC019	84	86	60	120	0.012	6.00E-03
KVRC019	86	88	80	830	8.30E-02	8.00E-03
KVRC019	88	90	60	100	1.00E-02	6.00E-03
KVRC020	2	6	30	680	6.80E-02	0.003
KVRC020	6	10	40	560	5.60E-02	4.00E-03
KVRC020	10	14	40	1100	0.11	4.00E-03
KVRC020	14	18	60	1430	0.14300001	6.00E-03
KVRC020	18	22	70	2070	0.207	7.00E-03
KVRC020	22	26	50	3210	0.32100001	5.00E-03
KVRC020	26	30	30	1850	0.185	0.003
KVRC020	30	34	30	1690	0.169	0.003
KVRC020	34	36	20	2300	0.23	2.00E-03
KVRC020	36	37	10	1470	0.147	0.001
KVRC020	37	38	20	1370	0.13699999	2.00E-03
KVRC020	38	39	40	5520	0.55199999	4.00E-03
KVRC020	39	40	20	21900	2.1900001	2.00E-03
KVRC020	40	41	30	10800	1.08	0.003
KVRC020	41	42	40	15950	1.595	4.00E-03
KVRC020	42	43	20	15250	1.525	2.00E-03
KVRC020	43	44	-10	8480	0.84799999	-0.001
KVRC020	44	45	20	15000	1.5	2.00E-03

KVRC020	45	46	10	46000	4.5999999	0.001
KVRC020	46	47	30	44000	4.4000001	0.003
KVRC020	47	48	10	13000	1.3	0.001
KVRC020	48	49	10	7500	0.75	0.001
KVRC020	49	50	10	5090	0.509	0.001
KVRC020	50	51	10	5070	0.50700003	0.001
KVRC020	51	52	10	18500	1.85	0.001
KVRC020	52	54	-10	4990	0.49900001	-0.001
KVRC020	54	56	20	880	0.088	2.00E-03
KVRC020	56	58	30	330	0.033	0.003
KVRC020	58	59	40	270	2.70E-02	4.00E-03
KVRC020	59	60	40	250	0.025	4.00E-03
KVRC020	60	64	40	220	0.022	4.00E-03
KVRC020	64	66	40	120	0.012	4.00E-03
KVRC020	66	67	30	140	0.014	0.003
KVRC020	67	68	40	120	0.012	4.00E-03
KVRC020	68	72	40	100	1.00E-02	4.00E-03
KVRC020	72	76	30	140	0.014	0.003
KVRC020	76	80	30	120	0.012	0.003
KVRC021	1	5	140	1230	0.123	0.014
KVRC021	5	9	50	1110	0.111	5.00E-03
KVRC021	9	13	40	1310	0.131	4.00E-03
KVRC021	13	17	20	2020	0.20200001	2.00E-03
KVRC021	17	21	10	1930	0.193	0.001
KVRC021	21	25	30	2130	0.213	0.003
KVRC021	25	29	30	2190	0.219	0.003
KVRC021	29	33	30	2710	0.271	0.003
KVRC021	33	37	70	1600	0.16	7.00E-03
KVRC021	37	41	20	1330	0.133	2.00E-03
KVRC021	41	45	10	1260	0.126	0.001
KVRC021	45	48	30	1480	0.148	0.003
KVRC021	48	49	40	6910	0.69099998	4.00E-03
KVRC021	49	50	30	33800	3.3800001	0.003
KVRC021	50	51	40	24500	2.45	4.00E-03
KVRC021	51	52	60	238000	23.799999	6.00E-03
KVRC021	52	53	40	181000	18.1	4.00E-03
KVRC021	53	54	30	28400	2.8399999	0.003
KVRC021	54	55	40	22800	2.28	4.00E-03
KVRC021	55	56	30	54800	5.48	0.003
KVRC021	56	57	20	22200	2.22	2.00E-03
KVRC021	57	58	30	46600	4.6599998	0.003
KVRC021	58	59	30	10500	1.05	0.003
KVRC021	59	60	20	2780	0.278	2.00E-03
KVRC021	60	64	30	11900	1.1900001	0.003
KVRC021	64	68	40	7590	0.759	4.00E-03
KVRC021	68	71	20	14100	1.41	2.00E-03
KVRC021	71	72	30	4400	0.44	0.003
KVRC021	72	73	50	62900	6.29	5.00E-03
KVRC021	73	74	10	18400	1.84	0.001
KVRC021	74	75	10	37400	3.74	0.001
KVRC021	75	76	50	41700	4.1700001	5.00E-03
KVRC021	76	77	30	4020	0.40200001	0.003
KVRC021	77	78	30	16900	1.6900001	0.003
KVRC021	78	79	10	4670	0.46700001	0.001
KVRC021	79	80	10	8090	0.80900002	0.001
KVRC021	80	81	20	7820	0.78200001	2.00E-03
KVRC021	81	82	20	11300	1.13	2.00E-03
KVRC021	82	83	30	20400	2.04	0.003
KVRC021	83	84	40	22200	2.22	4.00E-03
KVRC021	84	85	-10	21800	2.1800001	-0.001
KVRC021	85	86	30	24400	2.4400001	0.003
KVRC021	86	87	10	47000	4.6999998	0.001
KVRC021	87	88	50	59600	5.96	5.00E-03

KVRC021	88	89	50	41300	4.1300001	5.00E-03
KVRC021	89	90	30	43500	4.3499999	0.003
KVRC021	90	91	20	6660	0.66600001	2.00E-03
KVRC021	91	92	30	7440	0.74400002	0.003
KVRC021	92	93	30	16100	1.61	0.003
KVRC021	93	95	10	7430	0.74299997	0.001
KVRC021	95	97	40	9090	0.90899998	4.00E-03
KVRC021	97	99	30	7530	0.75300002	0.003
KVRC021	99	101	30	6470	0.64700001	0.003
KVRC021	101	102	20	7560	0.75599998	2.00E-03
KVRC021	102	103	30	15700	1.5700001	0.003
KVRC021	103	104	10	6060	0.60600001	0.001
KVRC021	104	105	10	6500	0.64999998	0.001
KVRC021	105	107	-10	2760	0.27599999	-0.001
KVRC021	107	109	-10	2450	0.245	-0.001
KVRC021	109	111	10	2290	0.229	0.001
KVRC021	111	112	20	4110	0.41100001	2.00E-03
KVRC021	112	113	30	4920	0.49200001	0.003
KVRC021	113	114	20	16300	1.63	2.00E-03
KVRC021	114	115	30	5700	0.56999999	0.003
KVRC021	115	116	20	9910	0.991	2.00E-03
KVRC021	116	117	20	6010	0.60100001	2.00E-03
KVRC021	117	118	10	13600	1.36	0.001
KVRC021	118	119	10	12100	1.21	0.001
KVRC021	119	120	20	23900	2.3900001	2.00E-03
KVRC022	2	6	30	5090	0.509	0.003
KVRC022	6	10	40	4120	0.412	4.00E-03
KVRC022	10	14	50	5130	0.51300001	5.00E-03
KVRC022	14	18	60	5130	0.51300001	6.00E-03
KVRC022	18	22	50	11050	1.105	5.00E-03
KVRC022	22	26	40	7250	0.72500002	4.00E-03
KVRC022	26	30	120	11100	1.11	0.012
KVRC022	30	34	50	2520	0.252	5.00E-03
KVRC022	34	38	10	680	6.80E-02	0.001
KVRC022	38	42	10	680	6.80E-02	0.001
KVRC022	42	43	10	770	0.077	0.001
KVRC022	43	44	10	1120	0.112	0.001
KVRC022	44	45	10	1720	0.17200001	0.001
KVRC022	45	46	10	1180	0.118	0.001
KVRC022	46	48	10	690	6.90E-02	0.001
KVRC022	48	49	10	2740	0.27399999	0.001
KVRC022	49	50	10	2570	0.257	0.001
KVRC022	50	51	10	8900	0.88999999	0.001
KVRC022	51	52	20	18100	1.8099999	2.00E-03
KVRC022	52	53	10	2100	0.20999999	0.001
KVRC022	53	54	10	4250	0.42500001	0.001
KVRC022	54	55	20	26900	2.6900001	2.00E-03
KVRC022	55	56	20	5340	0.53399998	2.00E-03
KVRC022	56	57	20	3180	0.31799999	2.00E-03
KVRC022	57	58	-10	2890	0.289	-0.001
KVRC022	58	59	20	24000	2.4000001	2.00E-03
KVRC022	59	60	10	32500	3.25	0.001
KVRC022	60	61	10	35400	3.54	0.001
KVRC023	0	4	20	550	0.055	2.00E-03
KVRC023	4	8	50	210	0.021	5.00E-03
KVRC023	8	12	130	420	4.20E-02	0.013
KVRC023	12	16	120	1260	0.126	0.012
KVRC023	16	20	40	50	5.00E-03	4.00E-03
KVRC023	20	24	30	30	0.003	0.003
KVRC023	24	28	20	20	2.00E-03	2.00E-03
KVRC023	28	32	10	30	0.003	0.001
KVRC023	32	36	10	10	0.001	0.001
KVRC023	36	40	10	40	4.00E-03	0.001

KVRC023	40	44	-10	10	0.001	-0.001
KVRC023	44	48	10	10	0.001	0.001
KVRC023	48	52	10	10	0.001	0.001
KVRC023	52	56	-10	10	0.001	-0.001
KVRC023	56	60	10	10	0.001	0.001
KVRC023	60	64	10	10	0.001	0.001
KVRC023	64	68	-10	10	0.001	-0.001
KVRC023	68	72	10	10	0.001	0.001
KVRC023	72	76	10	10	0.001	0.001
KVRC023	76	80	-10	10	0.001	-0.001
KVRC023	80	84	10	10	0.001	0.001
KVRC023	84	88	10	10	0.001	0.001
KVRC023	88	91	10	10	0.001	0.001
KVRC023	91	93	10	10	0.001	0.001
KVRC024	0	4	20	430	4.30E-02	2.00E-03
KVRC024	4	8	20	170	1.70E-02	2.00E-03
KVRC024	8	12	20	60	6.00E-03	2.00E-03
KVRC024	12	16	20	30	0.003	2.00E-03
KVRC024	16	20	10	20	2.00E-03	0.001
KVRC024	20	24	20	20	2.00E-03	2.00E-03
KVRC024	24	28	20	20	2.00E-03	2.00E-03
KVRC024	28	32	20	10	0.001	2.00E-03
KVRC024	32	36	20	10	0.001	2.00E-03
KVRC024	36	40	20	10	0.001	2.00E-03
KVRC024	40	44	20	10	0.001	2.00E-03
KVRC024	44	48	20	20	2.00E-03	2.00E-03
KVRC024	48	52	20	20	2.00E-03	2.00E-03
KVRC024	52	56	50	20	2.00E-03	5.00E-03
KVRC024	56	60	60	30	0.003	6.00E-03
KVRC025	1	4	40	1760	0.176	4.00E-03
KVRC025	4	8	60	1340	0.134	6.00E-03
KVRC025	8	12	20	90	9.00E-03	2.00E-03
KVRC025	12	16	20	60	6.00E-03	2.00E-03
KVRC025	16	20	10	30	0.003	0.001
KVRC025	20	24	10	20	2.00E-03	0.001
KVRC025	24	28	10	10	0.001	0.001
KVRC025	28	32	10	20	2.00E-03	0.001
KVRC025	32	36	10	10	0.001	0.001
KVRC025	36	40	10	20	2.00E-03	0.001
KVRC025	40	44	10	10	0.001	0.001
KVRC025	44	48	-10	20	2.00E-03	-0.001
KVRC025	48	52	-10	10	0.001	-0.001
KVRC025	52	56	-10	10	0.001	-0.001
KVRC025	56	60	-10	20	2.00E-03	-0.001
KVRC026	3	7	80	870	8.70E-02	8.00E-03
KVRC026	7	11	110	940	9.40E-02	0.011
KVRC026	11	15	100	1090	0.109	1.00E-02
KVRC026	15	19	60	1250	0.125	6.00E-03
KVRC026	19	23	30	1130	0.113	0.003
KVRC026	23	27	-10	1290	0.12899999	-0.001
KVRC026	27	31	90	2320	0.23199999	9.00E-03
KVRC026	31	35	90	1790	0.17900001	9.00E-03
KVRC026	35	39	40	1100	0.11	4.00E-03
KVRC026	39	43	30	1430	0.14300001	0.003
KVRC026	43	47	50	1690	0.169	5.00E-03
KVRC026	47	51	70	1830	0.183	7.00E-03
KVRC026	51	52	30	2970	0.29699999	0.003
KVRC026	52	53	100	52100	5.21	1.00E-02
KVRC026	53	54	40	11700	1.17	4.00E-03
KVRC026	54	55	10	18550	1.855	0.001
KVRC026	55	56	-10	10100	1.01	-0.001
KVRC026	56	57	-10	2370	0.237	-0.001
KVRC026	57	58	40	4540	0.454	4.00E-03

KVRC026	58	59	120	24400	2.4400001	0.012
KVRC026	59	60	40	25800	2.5799999	4.00E-03
KVRC026	60	61	10	4890	0.48899999	0.001
KVRC026	61	62	-10	3230	0.32300001	-0.001
KVRC026	62	66	10	2360	0.236	0.001
KVRC026	66	70	20	1930	0.193	2.00E-03
KVRC026	70	74	-10	1050	0.105	-0.001
KVRC026	74	78	70	2110	0.211	7.00E-03
KVRC026	78	82	90	2780	0.278	9.00E-03
KVRC026	82	86	40	3150	0.315	4.00E-03
KVRC026	86	90	50	2800	0.28	5.00E-03
KVRC026	90	94	80	1300	0.13	8.00E-03
KVRC026	94	98	60	710	7.10E-02	6.00E-03
KVRC026	98	102	30	1090	0.109	0.003
KVRC026	102	106	30	1240	0.124	0.003
KVRC026	106	110	30	1120	0.112	0.003
KVRC027	1	5	50	720	7.20E-02	5.00E-03
KVRC027	5	9	20	520	5.20E-02	2.00E-03
KVRC027	9	13	-10	410	4.10E-02	-0.001
KVRC027	13	17	10	610	6.10E-02	0.001
KVRC027	17	21	60	3650	0.36500001	6.00E-03
KVRC027	21	25	90	9060	0.90600002	9.00E-03
KVRC027	25	29	130	4770	0.477	0.013
KVRC027	29	33	30	1750	0.175	0.003
KVRC027	33	37	10	2070	0.207	0.001
KVRC027	37	41	10	1480	0.148	0.001
KVRC027	41	44	30	1700	0.17	0.003
KVRC027	44	45	10	1780	0.178	0.001
KVRC027	45	46	60	13900	1.39	6.00E-03
KVRC027	46	47	60	3170	0.317	6.00E-03
KVRC027	47	48	1040	43000	4.3000002	0.104
KVRC027	48	49	40	1530	0.153	4.00E-03
KVRC027	49	50	70	1690	0.169	7.00E-03
KVRC027	50	51	80	6520	0.65200001	8.00E-03
KVRC027	51	52	20	5860	0.58600003	2.00E-03
KVRC027	52	53	50	30100	3.01	5.00E-03
KVRC027	53	54	30	72800	7.2800002	0.003
KVRC027	54	55	10	31900	3.1900001	0.001
KVRC027	55	56	20	45500	4.5500002	2.00E-03
KVRC027	56	57	30	58600	5.8600001	0.003
KVRC027	57	58	60	104500	10.45	6.00E-03
KVRC027	58	59	30	36200	3.6199999	0.003
KVRC027	59	60	30	23600	2.3599999	0.003
KVRC027	60	61	30	34700	3.47	0.003
KVRC027	61	62	20	15000	1.5	2.00E-03
KVRC027	62	63	10	3010	0.301	0.001
KVRC027	63	64	20	8130	0.81300002	2.00E-03
KVRC027	64	65	10	1690	0.169	0.001
KVRC027	65	66	10	1670	0.167	0.001
KVRC027	66	67	10	3180	0.31799999	0.001
KVRC027	67	68	20	2320	0.23199999	2.00E-03
KVRC027	68	69	-10	960	9.60E-02	-0.001
KVRC027	69	70	-10	640	6.40E-02	-0.001
KVRC027	70	73	20	7960	0.796	2.00E-03
KVRC027	73	76	40	4780	0.47799999	4.00E-03
KVRC027	76	77	20	1840	0.184	2.00E-03
KVRC027	77	78	30	410	4.10E-02	0.003
KVRC027	78	79	40	100	1.00E-02	4.00E-03
KVRC027	79	80	20	100	1.00E-02	2.00E-03
KVRC027	80	81	30	80	8.00E-03	0.003
KVRC027	81	82	30	550	0.055	0.003
KVRC027	82	83	40	170	1.70E-02	4.00E-03
KVRC027	83	84	20	70	7.00E-03	2.00E-03

KVRC027	84	85	50	440	0.044	5.00E-03
KVRC027	85	86	40	380	3.80E-02	4.00E-03
KVRC027	86	87	40	660	0.066	4.00E-03
KVRC027	87	88	50	840	8.40E-02	5.00E-03
KVRC027	88	89	40	560	5.60E-02	4.00E-03
KVRC027	89	90	40	470	4.70E-02	4.00E-03
KVRC027	90	92	40	190	1.90E-02	4.00E-03
KVRC027	92	94	30	100	1.00E-02	0.003
KVRC027	94	95	50	90	9.00E-03	5.00E-03
KVRC027	95	96	50	70	7.00E-03	5.00E-03
KVRC027	96	97	50	650	6.50E-02	5.00E-03
KVRC027	97	98	40	130	0.013	4.00E-03
KVRC027	98	99	60	130	0.013	6.00E-03
KVRC027	99	100	60	120	0.012	6.00E-03
KVRC027	100	101	70	350	0.035	7.00E-03
KVRC027	101	102	60	790	7.90E-02	6.00E-03
KVRC027	102	103	60	120	0.012	6.00E-03
KVRC027	103	104	60	110	0.011	6.00E-03
KVRC027	104	105	50	80	8.00E-03	5.00E-03
KVRC027	105	106	50	100	1.00E-02	5.00E-03
KVRC027	106	107	60	870	8.70E-02	6.00E-03
KVRC027	107	108	50	160	1.60E-02	5.00E-03
KVRC027	108	109	50	90	9.00E-03	5.00E-03
KVRC027	109	110	60	80	8.00E-03	6.00E-03
KVRC027	110	112	70	160	1.60E-02	7.00E-03
KVRC027	112	114	60	190	1.90E-02	6.00E-03
KVRC027	114	116	50	90	9.00E-03	5.00E-03
KVRC027	116	118	60	110	0.011	6.00E-03
KVRC027	118	120	80	60	6.00E-03	8.00E-03
KVRC027	120	122	50	130	0.013	5.00E-03
KVRC027	122	124	50	100	1.00E-02	5.00E-03
KVRC027	124	126	50	70	7.00E-03	5.00E-03
KVRC027	126	128	50	150	0.015	5.00E-03
KVRC027	128	130	40	80	8.00E-03	4.00E-03
KVRC027	130	131	30	60	6.00E-03	0.003
KVRC027	131	132	40	170	1.70E-02	4.00E-03
KVRC027	132	133	50	140	0.014	5.00E-03
KVRC027	133	135	40	80	8.00E-03	4.00E-03
KVRC027	135	137	20	50	5.00E-03	2.00E-03
KVRC027	137	139	50	80	8.00E-03	5.00E-03
KVRC027	139	141	50	110	0.011	5.00E-03
KVRC028	2	6	870	2140	0.214	8.70E-02
KVRC028	6	10	1290	2120	0.212	0.12899999
KVRC028	10	14	1310	3630	0.36300001	0.131
KVRC028	14	18	440	1760	0.176	0.044
KVRC028	18	22	300	1480	0.148	3.00E-02
KVRC028	22	26	220	1310	0.131	0.022
KVRC028	26	30	200	1180	0.118	0.02
KVRC028	30	34	170	1220	0.122	1.70E-02
KVRC028	34	38	240	1650	0.16500001	0.024
KVRC028	38	42	140	1240	0.124	0.014
KVRC028	42	46	100	1170	0.117	1.00E-02
KVRC028	46	50	160	1810	0.18099999	1.60E-02
KVRC028	50	51	140	2570	0.257	0.014
KVRC028	51	52	260	3190	0.31900001	2.60E-02
KVRC028	52	53	150	2760	0.27599999	0.015
KVRC028	53	54	120	2660	0.266	0.012
KVRC028	54	55	180	6310	0.63099998	1.80E-02
KVRC028	55	56	120	7000	0.69999999	0.012
KVRC028	56	57	170	7310	0.73100001	1.70E-02
KVRC028	57	58	170	6210	0.62099999	1.70E-02
KVRC028	58	59	560	83800	8.3800001	5.60E-02
KVRC028	59	60	1010	64600	6.46	0.101

KVRC028	60	61	1490	141500	14.15	0.149
KVRC028	61	62	1980	78300	7.8299999	0.198
KVRC028	62	63	430	6410	0.64099997	4.30E-02
KVRC028	63	64	500	33600	3.3599999	5.00E-02
KVRC028	64	65	430	63000	6.3000002	4.30E-02
KVRC028	65	66	590	22600	2.26	0.059
KVRC028	66	67	180	13800	1.38	1.80E-02
KVRC028	67	68	120	4920	0.49200001	0.012
KVRC028	68	69	130	14100	1.41	0.013
KVRC028	69	70	100	94100	9.4099998	1.00E-02
KVRC028	70	71	180	94300	9.4300003	1.80E-02
KVRC028	71	72	70	107000	10.7	7.00E-03
KVRC028	72	73	40	41900	4.1900001	4.00E-03
KVRC028	73	74	360	18500	1.85	3.60E-02
KVRC028	74	75	680	15350	1.535	6.80E-02
KVRC028	75	76	370	50200	5.02	0.037
KVRC028	76	77	450	74300	7.4299998	4.50E-02
KVRC028	77	78	350	38800	3.8800001	0.035
KVRC028	78	79	390	20400	2.04	3.90E-02
KVRC028	79	80	390	13200	1.3200001	3.90E-02
KVRC028	80	81	440	14650	1.465	0.044
KVRC028	81	82	340	19850	1.985	3.40E-02
KVRC028	82	83	270	17750	1.775	2.70E-02
KVRC028	83	84	370	50800	5.0799999	0.037
KVRC028	84	85	280	39400	3.9400001	2.80E-02
KVRC028	85	86	300	14350	1.4349999	3.00E-02
KVRC028	86	87	150	6720	0.67199999	0.015
KVRC028	87	88	200	3400	0.34	0.02
KVRC028	88	89	170	4470	0.447	1.70E-02
KVRC028	89	90	100	3600	0.36000001	1.00E-02
KVRC028	90	92	180	8370	0.83700001	1.80E-02
KVRC028	92	94	200	6180	0.61799997	0.02
KVRC028	94	96	180	7190	0.71899998	1.80E-02
KVRC028	96	98	320	6480	0.648	3.20E-02
KVRC028	98	100	180	7990	0.79900002	1.80E-02
KVRC028	100	101	290	12850	1.285	2.90E-02
KVRC028	101	102	120	6950	0.69499999	0.012
KVRC028	102	103	50	2410	0.241	5.00E-03
KVRC028	103	104	230	20800	2.0799999	0.023
KVRC028	104	105	250	17950	1.795	0.025
KVRC028	105	106	250	21300	2.1300001	0.025
KVRC028	106	107	270	22000	2.2	2.70E-02
KVRC028	107	108	250	40400	4.04	0.025
KVRC028	108	109	200	34200	3.4200001	0.02
KVRC028	109	110	110	5390	0.53899997	0.011
KVRC028	110	111	150	12750	1.275	0.015
KVRC028	111	112	130	10300	1.03	0.013
KVRC028	112	113	90	6540	0.65399998	9.00E-03
KVRC028	113	114	160	5560	0.55599999	1.60E-02
KVRC028	114	115	130	4880	0.48800001	0.013
KVRC028	115	116	190	8510	0.85100001	1.90E-02
KVRC028	116	117	380	5210	0.52100003	3.80E-02
KVRC028	117	118	300	8260	0.82599998	3.00E-02
KVRC028	118	119	210	23300	2.3299999	0.021
KVRC028	119	120	140	13050	1.3049999	0.014
KVRC028	120	121	220	13050	1.3049999	0.022
KVRC028	121	122	270	22400	2.24	2.70E-02
KVRC028	122	123	130	9520	0.95200002	0.013
KVRC028	123	124	130	5950	0.59500003	0.013
KVRC028	124	125	230	6410	0.64099997	0.023
KVRC028	125	126	110	4940	0.49399999	0.011
KVRC028	126	127	150	10950	1.095	0.015
KVRC028	127	128	110	5120	0.51200002	0.011

KVRC028	128	130	70	3200	0.31999999	7.00E-03
KVRC028	130	132	80	4650	0.465	8.00E-03
KVRC028	132	134	60	2280	0.228	6.00E-03
KVRC028	134	136	60	1410	0.141	6.00E-03
KVRC029	2	6	310	910	9.10E-02	3.10E-02
KVRC029	6	10	100	430	4.30E-02	1.00E-02
KVRC029	10	14	90	310	3.10E-02	9.00E-03
KVRC029	14	18	100	330	0.033	1.00E-02
KVRC029	18	22	130	640	6.40E-02	0.013
KVRC029	22	26	70	1030	0.103	7.00E-03
KVRC029	26	30	60	1680	0.168	6.00E-03
KVRC029	30	34	90	1680	0.168	9.00E-03
KVRC029	34	36	760	7700	0.76999998	7.60E-02
KVRC029	36	37	1160	11950	1.1950001	0.116
KVRC029	37	38	500	16550	1.655	5.00E-02
KVRC029	38	39	210	6530	0.653	0.021
KVRC029	39	40	270	11750	1.175	2.70E-02
KVRC029	40	41	1450	18600	1.86	0.145
KVRC029	41	42	650	13750	1.375	6.50E-02
KVRC029	42	43	530	5160	0.51599997	5.30E-02
KVRC029	43	45	840	8830	0.88300002	8.40E-02
KVRC029	45	48	1260	13850	1.385	0.126
KVRC029	48	52	1290	19650	1.965	0.12899999
KVRC029	52	56	1690	21800	2.1800001	0.169
KVRC030	1	5	2000	17650	1.765	0.2
KVRC030	5	9	90	960	9.60E-02	9.00E-03
KVRC030	9	13	10	610	6.10E-02	0.001
KVRC030	13	17	10	570	0.057	0.001
KVRC030	17	21	20	550	0.055	2.00E-03
KVRC030	21	25	30	460	0.046	0.003
KVRC030	25	29	30	450	4.50E-02	0.003
KVRC030	29	33	20	510	5.10E-02	2.00E-03
KVRC030	33	37	10	660	0.066	0.001
KVRC030	37	41	20	680	6.80E-02	2.00E-03
KVRC030	41	45	30	210	0.021	0.003
KVRC030	45	49	50	50	5.00E-03	5.00E-03
KVRC030	49	53	80	160	1.60E-02	8.00E-03
KVRC030	53	57	110	60	6.00E-03	0.011
KVRC030	57	61	160	90	9.00E-03	1.60E-02
KVRC030	61	64	160	70	7.00E-03	1.60E-02
KVRC030	64	67	110	40	4.00E-03	0.011
KVRC030	67	70	80	30	0.003	8.00E-03
KVRC031	2	6	230	940	9.40E-02	0.023
KVRC031	6	10	60	500	5.00E-02	6.00E-03
KVRC031	10	14	20	310	3.10E-02	2.00E-03
KVRC031	14	18	60	1290	0.12899999	6.00E-03
KVRC031	18	22	80	1710	0.171	8.00E-03
KVRC031	22	26	100	2910	0.29100001	1.00E-02
KVRC031	26	30	100	3780	0.37799999	1.00E-02
KVRC031	30	34	70	3570	0.35699999	7.00E-03
KVRC031	34	38	70	2400	0.23999999	7.00E-03
KVRC031	38	42	60	2290	0.229	6.00E-03
KVRC031	42	46	40	1550	0.155	4.00E-03
KVRC031	46	50	20	1110	0.111	2.00E-03
KVRC031	50	54	40	1540	0.154	4.00E-03
KVRC031	54	57	40	1210	0.121	4.00E-03
KVRC031	57	60	30	840	8.40E-02	0.003
KVRC032	0	3	260	1240	0.124	2.60E-02
KVRC032	4	8	160	850	8.50E-02	1.60E-02
KVRC032	8	12	20	780	7.80E-02	2.00E-03
KVRC032	12	16	50	920	0.092	5.00E-03
KVRC032	16	20	80	600	6.00E-02	8.00E-03
KVRC032	20	24	30	310	3.10E-02	0.003

KVRC032	24	28	20	210	0.021	2.00E-03
KVRC032	28	32	20	230	0.023	2.00E-03
KVRC032	32	36	10	40	4.00E-03	0.001
KVRC032	36	40	-10	40	4.00E-03	-0.001
KVRC032	40	41	20	80	8.00E-03	2.00E-03
KVRC032	41	42	100	5730	0.57300001	1.00E-02
KVRC032	42	43	170	3000	0.30000001	1.70E-02
KVRC032	43	44	130	2480	0.248	0.013
KVRC032	44	45	110	1770	0.177	0.011
KVRC032	45	46	120	2660	0.266	0.012
KVRC032	46	50	90	690	6.90E-02	9.00E-03
KVRC032	50	54	30	170	1.70E-02	0.003
KVRC032	54	58	40	70	7.00E-03	4.00E-03
KVRC032	58	62	80	40	4.00E-03	8.00E-03
KVRC032	62	66	70	70	7.00E-03	7.00E-03
KVRC033	1	3	150	1700	0.17	0.015
KVRC033	4	8	490	6210	0.62099999	4.90E-02
KVRC033	8	12	520	6390	0.639	5.20E-02
KVRC033	12	16	750	5590	0.55900002	7.50E-02
KVRC033	16	20	570	3330	0.333	0.057
KVRC033	20	24	470	4860	0.486	4.70E-02
KVRC033	24	25	530	8440	0.84399998	5.30E-02
KVRC033	25	26	450	2600	0.25999999	4.50E-02
KVRC033	26	27	360	2250	0.22499999	3.60E-02
KVRC033	27	28	900	9800	0.98000002	9.00E-02
KVRC033	28	29	400	1580	0.15800001	4.00E-02
KVRC033	29	30	310	1500	0.15000001	3.10E-02
KVRC033	30	34	230	3120	0.31200001	0.023
KVRC033	34	38	110	360	3.60E-02	0.011
KVRC033	38	42	40	130	0.013	4.00E-03
KVRC033	42	46	20	90	9.00E-03	2.00E-03
KVRC033	46	50	10	60	6.00E-03	0.001
KVRC033	50	54	20	140	0.014	2.00E-03
KVRC033	54	58	40	90	9.00E-03	4.00E-03
KVRC033	58	62	90	210	0.021	9.00E-03
KVRC033	62	66	70	100	1.00E-02	7.00E-03
KVRC033	66	70	20	30	0.003	2.00E-03
KVRC033	70	74	-10	30	0.003	-0.001
KVRC033	74	77	-10	40	4.00E-03	-0.001
KVRC033	77	80	-10	50	5.00E-03	-0.001
KVRC034	2	6	800	3030	0.303	8.00E-02
KVRC034	6	10	1560	4740	0.47400001	0.156
KVRC034	10	14	630	2630	0.26300001	6.30E-02
KVRC034	14	18	2400	6210	0.62099999	0.23999999
KVRC034	18	22	4900	11550	1.155	0.49000001
KVRC034	22	25	3310	5920	0.59200001	0.331
KVRC034	25	26	5320	7930	0.79299998	0.53200001
KVRC034	26	27	3080	25600	2.5599999	0.308
KVRC034	27	28	3310	22400	2.24	0.331
KVRC034	28	29	3010	23600	2.3599999	0.301
KVRC034	29	30	3740	36000	3.5999999	0.37400001
KVRC034	30	31	3830	31600	3.1600001	0.38299999
KVRC034	31	35	490	33000	3.3	4.90E-02
KVRC034	35	39	80	9350	0.935	8.00E-03
KVRC034	39	43	20	350	0.035	2.00E-03
KVRC034	43	47	20	280	2.80E-02	2.00E-03
KVRC034	47	51	10	160	1.60E-02	0.001
KVRC034	51	55	40	90	9.00E-03	4.00E-03
KVRC034	55	59	-10	60	6.00E-03	-0.001
KVRC034	59	63	-10	30	0.003	-0.001
KVRC034	63	67	-10	30	0.003	-0.001
KVRC034	67	71	-10	30	0.003	-0.001
KVRC034	71	75	-10	10	0.001	-0.001

KVRC034	75	79	-10	10	0.001	-0.001
KVRC034	79	83	-10	20	2.00E-03	-0.001
KVRC034	83	87	-10	10	0.001	-0.001
KVRC034	87	90	-10	10	0.001	-0.001
KVRC035	2	5	310	5450	0.54500002	3.10E-02
KVRC035	5	6	910	13400	1.34	9.10E-02
KVRC035	6	7	720	10300	1.03	7.20E-02
KVRC035	7	8	470	8470	0.847	4.70E-02
KVRC035	8	9	1970	45200	4.52	0.197
KVRC035	9	10	5340	111500	11.15	0.53399998
KVRC035	10	11	290	7620	0.76200002	2.90E-02
KVRC035	11	12	410	16400	1.64	4.10E-02
KVRC035	12	13	370	11500	1.15	0.037
KVRC035	13	14	300	47500	4.75	3.00E-02
KVRC035	14	15	360	87300	8.7299995	3.60E-02
KVRC035	15	16	410	164500	16.450001	4.10E-02
KVRC035	16	17	290	111000	11.1	2.90E-02
KVRC035	17	18	600	45900	4.5900002	6.00E-02
KVRC035	18	19	180	83000	8.3000002	1.80E-02
KVRC035	19	20	140	62300	6.23	0.014
KVRC035	20	21	200	118500	11.85	0.02
KVRC035	21	22	290	280000	28	2.90E-02
KVRC035	22	24	580	63300	6.3299999	5.80E-02
KVRC035	24	25	520	67000	6.6999998	5.20E-02
KVRC035	25	27	220	86100	8.6099997	0.022
KVRC035	27	28	60	12750	1.275	6.00E-03
KVRC035	28	29	20	4060	0.40599999	2.00E-03
KVRC035	29	30	10	11650	1.165	0.001
KVRC035	30	31	-10	1310	0.131	-0.001
KVRC035	31	33	-10	1200	0.12	-0.001
KVRC035	33	35	-10	430	4.30E-02	-0.001
KVRC035	35	39	-10	300	3.00E-02	-0.001
KVRC035	39	43	-10	100	1.00E-02	-0.001
KVRC035	43	47	-10	290	2.90E-02	-0.001
KVRC035	47	51	-10	40	4.00E-03	-0.001
KVRC035	51	55	-10	110	0.011	-0.001
KVRC035	55	59	-10	50	5.00E-03	-0.001
KVRC035	59	63	-10	90	9.00E-03	-0.001
KVRC035	63	67	-10	90	9.00E-03	-0.001
KVRC035	67	71	-10	110	0.011	-0.001
KVRC035	71	74	10	30	0.003	0.001
KVRC035	74	77	-10	30	0.003	-0.001
KVRC035	77	80	-10	20	2.00E-03	-0.001
KVRC036	1	2	370	65500	6.5500002	0.037
KVRC036	2	3	210	50700	5.0700002	0.021
KVRC036	3	4	270	51800	5.1799998	2.70E-02
KVRC036	4	5	190	45600	4.5599999	1.90E-02
KVRC036	5	6	200	49900	4.9899998	0.02
KVRC036	7	8	190	44900	4.4899998	1.90E-02
KVRC036	8	9	40	12800	1.28	4.00E-03
KVRC036	9	10	10	11350	1.135	0.001
KVRC036	10	11	30	10950	1.095	0.003
KVRC036	11	12	10	15700	1.5700001	0.001
KVRC036	12	13	-10	1700	0.17	-0.001
KVRC036	13	14	10	490	4.90E-02	0.001
KVRC036	14	18	10	1190	0.119	0.001
KVRC036	18	22	10	230	0.023	0.001
KVRC036	22	26	-10	40	4.00E-03	-0.001
KVRC036	26	30	10	90	9.00E-03	0.001
KVRC036	30	34	-10	110	0.011	-0.001
KVRC036	34	38	-10	70	7.00E-03	-0.001
KVRC036	38	42	10	40	4.00E-03	0.001
KVRC036	42	46	-10	30	0.003	-0.001

KVRC036	46	50	-10	20	2.00E-03	-0.001
KVRC036	50	54	-10	20	2.00E-03	-0.001
KVRC036	54	57	-10	10	0.001	-0.001
KVRC036	57	60	-10	10	0.001	-0.001
KVRC037	0	4	110	450	4.50E-02	0.011
KVRC037	4	6	70	530	5.30E-02	7.00E-03
KVRC037	6	7	80	1340	0.134	8.00E-03
KVRC037	7	8	70	6560	0.65600002	7.00E-03
KVRC037	8	9	70	12950	1.295	7.00E-03
KVRC037	9	10	60	6940	0.69400001	6.00E-03
KVRC037	10	14	90	2300	0.23	9.00E-03
KVRC037	14	18	100	1000	0.1	1.00E-02
KVRC037	18	22	80	1840	0.184	8.00E-03
KVRC037	22	26	50	160	1.60E-02	5.00E-03
KVRC037	26	30	60	800	8.00E-02	6.00E-03
KVRC037	30	34	60	400	4.00E-02	6.00E-03
KVRC037	34	38	20	50	5.00E-03	2.00E-03
KVRC037	38	42	10	30	0.003	0.001
KVRC037	42	46	10	20	2.00E-03	0.001
KVRC037	46	50	10	20	2.00E-03	0.001
KVRC037	50	54	10	30	0.003	0.001
KVRC037	54	58	-10	20	2.00E-03	-0.001
KVRC037	58	61	-10	10	0.001	-0.001
KVRC038	0	4	80	2180	0.21799999	8.00E-03
KVRC038	4	8	160	6060	0.60600001	1.60E-02
KVRC038	8	12	160	24000	2.4000001	1.60E-02
KVRC038	12	16	120	13400	1.34	0.012
KVRC038	16	20	60	1460	0.146	6.00E-03
KVRC038	20	24	20	260	2.60E-02	2.00E-03
KVRC038	24	28	70	200	0.02	7.00E-03
KVRC038	28	32	70	30	0.003	7.00E-03
KVRC038	32	36	80	250	0.025	8.00E-03
KVRC038	36	40	40	50	5.00E-03	4.00E-03
KVRC038	40	44	30	50	5.00E-03	0.003
KVRC038	44	47	10	30	0.003	0.001
KVRC038	47	50	10	20	2.00E-03	0.001
KVRC039	1	5	440	4510	0.45100001	0.044
KVRC039	5	9	760	6890	0.68900001	7.60E-02
KVRC039	9	13	640	4800	0.47999999	6.40E-02
KVRC039	13	17	310	4010	0.40099999	3.10E-02
KVRC039	17	21	270	3150	0.315	2.70E-02
KVRC039	21	23	110	2710	0.271	0.011
KVRC039	23	24	90	3290	0.329	9.00E-03
KVRC039	24	25	110	6110	0.611	0.011
KVRC039	25	26	160	6990	0.699	1.60E-02
KVRC039	26	27	180	6860	0.68599999	1.80E-02
KVRC039	27	28	320	13100	1.3099999	3.20E-02
KVRC039	28	29	180	23500	2.3499999	1.80E-02
KVRC039	29	30	100	9340	0.93400002	1.00E-02
KVRC039	30	31	140	25500	2.55	0.014
KVRC039	31	32	150	26000	2.5999999	0.015
KVRC039	32	33	170	18700	1.87	1.70E-02
KVRC039	33	34	210	29200	2.9200001	0.021
KVRC039	34	35	190	15000	1.5	1.90E-02
KVRC039	35	36	520	10500	1.05	5.20E-02
KVRC039	36	37	540	9780	0.97799999	5.40E-02
KVRC039	37	38	320	29100	2.9100001	3.20E-02
KVRC039	38	39	260	12000	1.2	2.60E-02
KVRC039	39	40	540	16300	1.63	5.40E-02
KVRC039	40	41	230	10900	1.09	0.023
KVRC039	41	42	150	4340	0.43399999	0.015
KVRC039	42	43	150	11700	1.17	0.015
KVRC039	43	44	190	14900	1.49	1.90E-02

KVRC039	44	45	90	5730	0.57300001	9.00E-03
KVRC039	45	46	100	4520	0.45199999	1.00E-02
KVRC039	46	47	120	2700	0.27000001	0.012
KVRC039	47	48	110	4010	0.40099999	0.011
KVRC039	48	49	100	2880	0.28799999	1.00E-02
KVRC039	49	52	60	1660	0.16599999	6.00E-03
KVRC039	52	55	60	5370	0.537	6.00E-03
KVRC039	55	58	60	4020	0.40200001	6.00E-03
KVRC039	58	60	40	3300	0.33000001	4.00E-03
KVRC039	60	61	40	4950	0.495	4.00E-03
KVRC039	61	62	150	6770	0.67699999	0.015
KVRC039	62	63	110	10700	1.0700001	0.011
KVRC039	63	64	130	14200	1.42	0.013
KVRC039	64	65	260	5420	0.542	2.60E-02
KVRC039	65	66	260	8500	0.85000002	2.60E-02
KVRC039	66	67	280	8450	0.84500003	2.80E-02
KVRC039	67	69	220	7610	0.76099998	0.022
KVRC039	69	71	230	3920	0.39199999	0.023
KVRC039	71	72	300	9670	0.96700001	3.00E-02
KVRC039	72	73	400	14100	1.41	4.00E-02
KVRC039	73	74	250	8150	0.815	0.025
KVRC039	74	75	210	12800	1.28	0.021
KVRC039	75	76	210	7830	0.78299999	0.021
KVRC039	76	77	270	8340	0.83399999	2.70E-02
KVRC039	77	78	100	3570	0.35699999	1.00E-02
KVRC039	78	79	120	8150	0.815	0.012
KVRC039	79	80	150	4460	0.44600001	0.015
KVRC039	80	81	100	4180	0.41800001	1.00E-02
KVRC039	81	82	140	8050	0.80500001	0.014
KVRC039	82	83	220	11500	1.15	0.022
KVRC039	83	84	130	7750	0.77499998	0.013
KVRC039	84	85	200	12400	1.24	0.02
KVRC039	85	86	120	29900	2.99	0.012
KVRC039	86	87	60	32400	3.24	6.00E-03
KVRC039	87	88	60	37000	3.7	6.00E-03
KVRC039	88	89	60	26600	2.6600001	6.00E-03
KVRC039	89	90	50	16800	1.6799999	5.00E-03
KVRC039	90	91	30	9830	0.98299998	0.003
KVRC039	91	92	120	45700	4.5700002	0.012
KVRC039	92	93	50	17900	1.79	5.00E-03
KVRC039	93	94	60	23900	2.3900001	6.00E-03
KVRC039	94	95	70	18000	1.8	7.00E-03
KVRC039	95	96	220	83100	8.3100004	0.022
KVRC039	96	97	250	53100	5.3099999	0.025
KVRC039	97	98	310	57700	5.77	3.10E-02
KVRC039	98	99	230	39500	3.95	0.023
KVRC039	99	100	360	58100	5.8099999	3.60E-02
KVRC039	100	101	630	29800	2.98	6.30E-02
KVRC039	101	102	840	43400	4.3400002	8.40E-02
KVRC039	102	103	460	86200	8.6199999	0.046
KVRC039	103	104	540	92900	9.29	5.40E-02
KVRC039	104	105	760	27400	2.74	7.60E-02
KVRC039	105	106	450	28100	2.8099999	4.50E-02
KVRC039	106	107	600	27200	2.72	6.00E-02
KVRC039	107	111	230	5790	0.579	0.023
KVRC039	111	115	130	3130	0.31299999	0.013
KVRC039	115	117	130	2210	0.221	0.013
KVRC039	117	118	110	620	6.20E-02	0.011
KVRC039	118	119	120	560	5.60E-02	0.012
KVRC039	119	123	120	3110	0.31099999	0.012
KVRC039	123	127	130	2260	0.226	0.013
KVRC039	127	129	300	1570	0.15700001	3.00E-02
KVRC039	129	130	260	340	3.40E-02	2.60E-02

KVRC039	130	133	130	1250	0.125	0.013
KVRC039	133	136	130	2450	0.245	0.013
KVRC040	2	6	110	1780	0.178	0.011
KVRC040	6	10	80	1850	0.185	8.00E-03
KVRC040	10	14	80	2080	0.208	8.00E-03
KVRC040	14	18	110	4320	0.43200001	0.011
KVRC040	18	22	140	4070	0.40700001	0.014
KVRC040	22	23	70	2610	0.26100001	7.00E-03
KVRC040	23	24	150	11100	1.11	0.015
KVRC040	24	25	120	9740	0.97399998	0.012
KVRC040	25	26	160	15600	1.5599999	1.60E-02
KVRC040	26	27	140	21300	2.1300001	0.014
KVRC040	27	28	210	23800	2.3800001	0.021
KVRC040	28	29	140	22400	2.24	0.014
KVRC040	29	30	210	22000	2.2	0.021
KVRC040	30	31	220	19300	1.9299999	0.022
KVRC040	31	32	240	76700	7.6700001	0.024
KVRC040	32	33	210	28500	2.8499999	0.021
KVRC040	33	34	220	27400	2.74	0.022
KVRC040	34	35	190	21100	2.1099999	1.90E-02
KVRC040	35	36	140	27000	2.7	0.014
KVRC040	36	37	190	21500	2.1500001	1.90E-02
KVRC040	37	38	270	29000	2.9000001	2.70E-02
KVRC040	38	39	200	31800	3.1800001	0.02
KVRC040	39	40	160	27400	2.74	1.60E-02
KVRC040	40	41	160	44600	4.46	1.60E-02
KVRC040	41	42	190	39000	3.9000001	1.90E-02
KVRC040	42	43	180	47400	4.7399998	1.80E-02
KVRC040	43	44	190	19900	1.99	1.90E-02
KVRC040	44	45	180	17000	1.7	1.80E-02
KVRC040	45	46	170	17100	1.71	1.70E-02
KVRC040	46	47	170	26400	2.6400001	1.70E-02
KVRC040	47	48	190	21400	2.1400001	1.90E-02
KVRC040	48	49	180	18000	1.8	1.80E-02
KVRC040	49	50	260	35200	3.52	2.60E-02
KVRC040	50	52	210	36800	3.6800001	0.021
KVRC040	52	54	240	25100	2.51	0.024
KVRC040	56	57	110	6350	0.63499999	0.011
KVRC040	60	63	110	5720	0.57200003	0.011
KVRC040	63	66	30	940	9.40E-02	0.003
KVRC041	0	4	40	510	5.10E-02	4.00E-03
KVRC041	4	8	50	660	0.066	5.00E-03
KVRC041	8	11	60	1120	0.112	6.00E-03
KVRC041	11	12	50	1000	0.1	5.00E-03
KVRC041	12	13	80	1660	0.16599999	8.00E-03
KVRC041	13	14	50	1100	0.11	5.00E-03
KVRC041	14	18	40	1100	0.11	4.00E-03
KVRC041	18	19	40	1050	0.105	4.00E-03
KVRC041	19	20	50	1340	0.134	5.00E-03
KVRC041	20	21	130	1590	0.15899999	0.013
KVRC041	21	22	50	2330	0.233	5.00E-03
KVRC041	22	23	100	1950	0.19499999	1.00E-02
KVRC041	23	24	100	5250	0.52499998	1.00E-02
KVRC041	24	25	250	20400	2.04	0.025
KVRC041	25	26	200	12200	1.22	0.02
KVRC041	26	27	140	11200	1.12	0.014
KVRC041	27	28	190	19800	1.98	1.90E-02
KVRC041	28	29	270	7090	0.70899999	2.70E-02
KVRC041	29	30	60	2570	0.257	6.00E-03
KVRC041	30	31	40	2090	0.20900001	4.00E-03
KVRC041	31	32	50	1640	0.164	5.00E-03
KVRC041	32	33	70	1850	0.185	7.00E-03
KVRC041	33	34	210	15800	1.58	0.021

KVRC041	34	35	70	1480	0.148	7.00E-03
KVRC041	35	36	70	2850	0.285	7.00E-03
KVRC041	36	37	10	2210	0.221	0.001
KVRC041	37	38	20	4220	0.42199999	2.00E-03
KVRC041	38	39	-10	2480	0.248	-0.001
KVRC041	39	40	30	3840	0.384	0.003
KVRC041	40	41	10	12300	1.23	0.001
KVRC041	41	42	20	8530	0.85299999	2.00E-03
KVRC041	42	43	-10	2690	0.26899999	-0.001
KVRC041	43	44	-10	7480	0.74800003	-0.001
KVRC041	44	45	10	11800	1.1799999	0.001
KVRC041	45	46	20	8830	0.88300002	2.00E-03
KVRC041	46	47	30	9230	0.92299998	0.003
KVRC041	47	48	30	1720	0.17200001	0.003
KVRC041	48	50	100	1730	0.17299999	1.00E-02
KVRC041	50	52	60	1390	0.139	6.00E-03
KVRC041	52	54	50	30200	3.02	5.00E-03
KVRC041	54	55	50	20200	2.02	5.00E-03
KVRC041	55	56	70	13600	1.36	7.00E-03
KVRC041	56	57	40	2810	0.28099999	4.00E-03
KVRC041	57	58	20	25400	2.54	2.00E-03
KVRC041	58	59	-10	3910	0.391	-0.001
KVRC041	59	60	10	45500	4.5500002	0.001
KVRC041	60	61	10	39400	3.9400001	0.001
KVRC041	61	62	10	43500	4.3499999	0.001
KVRC041	62	63	10	45400	4.54	0.001
KVRC041	63	64	10	49100	4.9099998	0.001
KVRC041	64	65	-10	16300	1.63	-0.001
KVRC041	65	66	10	28100	2.8099999	0.001
KVRC041	66	67	20	45300	4.5300002	2.00E-03
KVRC041	67	68	10	48300	4.8299999	0.001
KVRC041	68	69	50	15000	1.5	5.00E-03
KVRC041	69	70	10	11000	1.1	0.001
KVRC041	70	71	80	3060	0.30599999	8.00E-03
KVRC041	71	72	20	23300	2.3299999	2.00E-03
KVRC041	72	73	20	8270	0.82700002	2.00E-03
KVRC041	73	74	10	14900	1.49	0.001
KVRC041	74	75	10	15600	1.5599999	0.001
KVRC041	75	76	-10	17600	1.76	-0.001
KVRC041	76	77	50	10900	1.09	5.00E-03
KVRC041	77	78	40	1060	0.106	4.00E-03
KVRC041	78	79	40	740	7.40E-02	4.00E-03
KVRC041	79	80	50	380	3.80E-02	5.00E-03
KVRC041	80	82	50	400	4.00E-02	5.00E-03
KVRC041	82	84	50	1320	0.132	5.00E-03
KVRC041	84	86	60	140	0.014	6.00E-03
KVRC041	86	88	60	270	2.70E-02	6.00E-03
KVRC041	88	91	60	120	0.012	6.00E-03
KVRC041	92	95	50	120	0.012	5.00E-03
KVRC041	95	98	50	220	0.022	5.00E-03
KVRC041	98	99	260	70	7.00E-03	2.60E-02
KVRC041	99	100	140	210	0.021	0.014
KVRC041	100	101	120	450	4.50E-02	0.012
KVRC041	101	102	170	210	0.021	1.70E-02
KVRC041	102	104	80	180	1.80E-02	8.00E-03
KVRC041	104	106	50	2920	0.292	5.00E-03
KVRC041	106	108	60	2300	0.23	6.00E-03
KVRC041	108	110	50	14400	1.4400001	5.00E-03
KVRC041	110	111	70	16200	1.62	7.00E-03
KVRC041	111	112	70	11000	1.1	7.00E-03
KVRC041	112	113	50	12100	1.21	5.00E-03
KVRC041	113	114	60	17100	1.71	6.00E-03
KVRC041	114	115	60	16700	1.67	6.00E-03

KVRC041	115	116	30	5510	0.551	0.003
KVRC041	116	117	320	20600	2.0599999	3.20E-02
KVRC041	117	118	210	46700	4.6700001	0.021
KVRC041	118	119	240	95000	9.5	0.024
KVRC041	119	120	80	148500	14.85	8.00E-03
KVRC041	120	121	100	49800	4.98	1.00E-02
KVRC041	121	122	170	86300	8.6300001	1.70E-02
KVRC041	122	123	100	60800	6.0799999	1.00E-02
KVRC041	123	124	150	84400	8.4399996	0.015
KVRC041	124	125	80	48600	4.8600001	8.00E-03
KVRC041	125	126	60	49700	4.9699998	6.00E-03
KVRC041	126	127	90	38900	3.8900001	9.00E-03
KVRC041	127	128	220	26000	2.5999999	0.022
KVRC041	128	129	110	15550	1.5549999	0.011
KVRC041	129	130	120	8690	0.86900002	0.012
KVRC041	130	131	60	4940	0.49399999	6.00E-03
KVRC041	131	132	70	10350	1.035	7.00E-03
KVRC041	132	133	50	5950	0.59500003	5.00E-03
KVRC041	133	135	30	1290	0.12899999	0.003
KVRC041	135	137	130	2400	0.23999999	0.013
KVRC041	137	140	110	2740	0.27399999	0.011
KVRC042	1	2	40	480	0.048	4.00E-03
KVRC042	2	3	70	670	6.70E-02	7.00E-03
KVRC042	3	4	80	810	0.081	8.00E-03
KVRC042	4	5	160	10050	1.005	1.60E-02
KVRC042	5	6	80	1870	0.18700001	8.00E-03
KVRC042	6	7	130	1640	0.164	0.013
KVRC042	7	8	270	5730	0.57300001	2.70E-02
KVRC042	8	9	190	10250	1.025	1.90E-02
KVRC042	9	10	190	26800	2.6800001	1.90E-02
KVRC042	10	11	80	33800	3.3800001	8.00E-03
KVRC042	11	12	90	10250	1.025	9.00E-03
KVRC042	12	13	60	4520	0.45199999	6.00E-03
KVRC042	13	14	40	3390	0.33899999	4.00E-03
KVRC042	14	15	40	6140	0.61400002	4.00E-03
KVRC042	15	16	50	6640	0.66399997	5.00E-03
KVRC042	16	17	300	75200	7.52	3.00E-02
KVRC042	17	18	230	26700	2.6700001	0.023
KVRC042	18	19	170	23700	2.3699999	1.70E-02
KVRC042	19	20	120	24600	2.46	0.012
KVRC042	20	21	130	19100	1.91	0.013
KVRC042	21	22	140	12100	1.21	0.014
KVRC042	22	23	140	24200	2.4200001	0.014
KVRC042	23	24	80	46300	4.6300001	8.00E-03
KVRC042	24	25	40	35600	3.5599999	4.00E-03
KVRC042	25	26	40	11800	1.1799999	4.00E-03
KVRC042	26	27	30	27200	2.72	0.003
KVRC042	27	28	20	27300	2.73	2.00E-03
KVRC042	28	29	20	57800	5.7800002	2.00E-03
KVRC042	29	30	10	49300	4.9299998	0.001
KVRC042	30	31	20	51300	5.1300001	2.00E-03
KVRC042	31	32	10	37600	3.76	0.001
KVRC042	32	33	20	34600	3.46	2.00E-03
KVRC042	33	34	20	12600	1.26	2.00E-03
KVRC042	34	35	20	10100	1.01	2.00E-03
KVRC042	35	36	10	9490	0.949	0.001
KVRC042	36	37	20	10300	1.03	2.00E-03
KVRC042	37	38	20	12200	1.22	2.00E-03
KVRC042	38	39	20	34200	3.4200001	2.00E-03
KVRC042	39	40	20	23400	2.3399999	2.00E-03
KVRC042	40	42	30	8850	0.88499999	0.003
KVRC042	42	44	30	12500	1.25	0.003
KVRC042	44	46	10	22300	2.23	0.001

KVRC042	46	48	20	11900	1.1900001	2.00E-03
KVRC042	48	50	10	12800	1.28	0.001
KVRC042	50	52	-10	6080	0.60799998	-0.001
KVRC042	52	54	20	15600	1.5599999	2.00E-03
KVRC042	54	56	10	6320	0.63200003	0.001
KVRC042	56	58	10	4570	0.45699999	0.001
KVRC042	58	60	10	4320	0.43200001	0.001
KVRC042	60	62	20	5040	0.50400001	2.00E-03
KVRC042	62	64	20	6260	0.62599999	2.00E-03
KVRC042	64	68	20	4230	0.42300001	2.00E-03
KVRC042	68	70	20	6810	0.68099999	2.00E-03
KVRC042	70	71	30	13500	1.35	0.003
KVRC042	71	73	30	12800	1.28	0.003
KVRC042	73	77	30	9300	0.93000001	0.003
KVRC042	77	80	20	4240	0.42399999	2.00E-03
KVRC043	1	5	-10	5940	0.59399998	-0.001
KVRC043	5	9	10	3860	0.38600001	0.001
KVRC043	9	10	40	5540	0.55400002	4.00E-03
KVRC043	10	11	10	14100	1.41	0.001
KVRC043	11	12	10	9030	0.903	0.001
KVRC043	12	13	10	7660	0.76599997	0.001
KVRC043	13	14	-10	6050	0.60500002	-0.001
KVRC043	14	15	10	7390	0.73900002	0.001
KVRC043	15	16	-10	23600	2.3599999	-0.001
KVRC043	16	17	-10	3270	0.32699999	-0.001
KVRC043	17	21	-10	3800	0.38	-0.001
KVRC043	21	25	-10	1930	0.193	-0.001
KVRC043	25	29	-10	100	1.00E-02	-0.001
KVRC043	29	33	-10	30	0.003	-0.001
KVRC043	33	37	-10	60	6.00E-03	-0.001
KVRC043	37	41	-10	60	6.00E-03	-0.001
KVRC043	41	45	-10	40	4.00E-03	-0.001
KVRC043	45	49	10	170	1.70E-02	0.001
KVRC043	49	51	-10	50	5.00E-03	-0.001
KVRC044	3	5	110	2910	0.29100001	0.011
KVRC044	5	7	150	3520	0.352	0.015
KVRC044	7	9	250	4980	0.498	0.025
KVRC044	9	11	100	7730	0.773	1.00E-02
KVRC044	11	13	100	8300	0.82999998	1.00E-02
KVRC044	13	15	80	6940	0.69400001	8.00E-03
KVRC044	15	17	100	13900	1.39	1.00E-02
KVRC044	17	19	90	9710	0.97100002	9.00E-03
KVRC044	19	21	140	6010	0.60100001	0.014
KVRC044	21	23	270	7390	0.73900002	2.70E-02
KVRC044	23	25	300	7620	0.76200002	3.00E-02
KVRC044	25	27	90	10400	1.04	9.00E-03
KVRC044	27	29	80	9640	0.96399999	8.00E-03
KVRC044	29	31	80	11500	1.15	8.00E-03
KVRC044	31	33	80	10400	1.04	8.00E-03
KVRC044	33	35	70	11700	1.17	7.00E-03
KVRC044	35	37	70	10300	1.03	7.00E-03
KVRC044	37	39	50	10800	1.08	5.00E-03
KVRC044	39	41	70	7530	0.75300002	7.00E-03
KVRC044	41	43	120	2640	0.264	0.012
KVRC044	43	45	10	570	0.057	0.001
KVRC044	45	49	10	70	7.00E-03	0.001
KVRC044	49	53	-10	60	6.00E-03	-0.001
KVRC044	53	57	10	20	2.00E-03	0.001
KVRC044	57	61	-10	60	6.00E-03	-0.001
KVRC044	61	65	20	50	5.00E-03	2.00E-03
KVRC044	65	69	-10	30	0.003	-0.001
KVRC044	69	73	-10	10	0.001	-0.001
KVRC044	73	77	-10	20	2.00E-03	-0.001

KVRC044	77	81	10	30	0.003	0.001
KVRC044	81	85	10	110	0.011	0.001
KVRC044	85	89	10	20	2.00E-03	0.001
KVRC044	89	93	-10	30	0.003	-0.001
KVRC044	93	97	10	50	5.00E-03	0.001
KVRC044	97	101	10	10	0.001	0.001
KVRC044	101	105	-10	20	2.00E-03	-0.001
KVRC044	105	109	10	20	2.00E-03	0.001
KVRC044	109	111	80	450	4.50E-02	8.00E-03
KVRC045	3	5	190	2340	0.234	1.90E-02
KVRC045	5	7	130	1580	0.15800001	0.013
KVRC045	7	9	90	1620	0.162	9.00E-03
KVRC045	9	11	70	2530	0.25299999	7.00E-03
KVRC045	11	13	230	4230	0.42300001	0.023
KVRC045	13	15	130	2910	0.29100001	0.013
KVRC045	15	17	90	2050	0.205	9.00E-03
KVRC045	17	19	110	3560	0.35600001	0.011
KVRC045	19	21	130	1760	0.176	0.013
KVRC045	21	23	200	1730	0.17299999	0.02
KVRC045	23	25	80	3210	0.32100001	8.00E-03
KVRC045	25	27	60	2150	0.215	6.00E-03
KVRC045	27	29	140	2740	0.27399999	0.014
KVRC045	29	31	120	5160	0.51599997	0.012
KVRC045	31	33	120	8550	0.85500002	0.012
KVRC045	33	35	140	6200	0.62	0.014
KVRC045	35	37	210	3720	0.37200001	0.021
KVRC045	37	39	150	6310	0.63099998	0.015
KVRC045	39	41	60	3910	0.391	6.00E-03
KVRC045	41	43	100	7140	0.71399999	1.00E-02
KVRC045	43	45	110	6200	0.62	0.011
KVRC045	45	47	90	5770	0.57700002	9.00E-03
KVRC045	47	49	100	6180	0.61799997	1.00E-02
KVRC045	49	51	110	6430	0.64300001	0.011
KVRC045	54	56	100	6420	0.64200002	1.00E-02
KVRC045	56	58	130	7600	0.75999999	0.013
KVRC045	59	60	80	4640	0.46399999	8.00E-03
KVRC045	66	67	240	29600	2.96	0.024
KVRC045	67	68	230	40700	4.0700002	0.023
KVRC045	68	69	610	95700	9.5699997	6.10E-02
KVRC045	69	70	780	86800	8.6800003	7.80E-02
KVRC045	70	71	830	81400	8.1400003	8.30E-02
KVRC045	71	72	710	99200	9.9200001	7.10E-02
KVRC045	72	73	630	96700	9.6700001	6.30E-02
KVRC045	73	74	580	95900	9.5900002	5.80E-02
KVRC045	74	75	560	51900	5.1900001	5.60E-02
KVRC045	75	76	870	102000	10.2	8.70E-02
KVRC045	76	77	840	125500	12.55	8.40E-02
KVRC045	77	78	780	139500	13.95	7.80E-02
KVRC045	78	79	770	152500	15.25	0.077
KVRC045	79	80	640	193000	19.299999	6.40E-02
KVRC045	80	81	610	228000	22.799999	6.10E-02
KVRC045	81	82	870	152500	15.25	8.70E-02
KVRC045	82	83	980	92900	9.29	9.80E-02
KVRC045	83	84	910	82300	8.2299995	9.10E-02
KVRC045	84	85	540	49100	4.9099998	5.40E-02
KVRC045	85	86	380	95300	9.5299997	3.80E-02
KVRC045	86	87	230	95700	9.5699997	0.023
KVRC045	87	88	300	184500	18.450001	3.00E-02
KVRC045	88	89	140	37100	3.71	0.014
KVRC045	89	90	160	54300	5.4299998	1.60E-02
KVRC045	90	91	170	55500	5.5500002	1.70E-02
KVRC045	91	92	150	45200	4.52	0.015
KVRC045	92	93	240	54500	5.4499998	0.024

KVRC045	93	94	280	49600	4.96	2.80E-02
KVRC045	94	95	220	62700	6.27	0.022
KVRC045	95	96	490	58100	5.8099999	4.90E-02
KVRC045	96	97	540	40300	4.0300002	5.40E-02
KVRC045	97	98	440	47200	4.7199998	0.044
KVRC045	98	99	490	85400	8.54	4.90E-02
KVRC045	99	100	580	222000	22.200001	5.80E-02
KVRC045	100	101	470	85600	8.5600004	4.70E-02
KVRC045	101	102	150	78700	7.8699999	0.015
KVRC045	102	103	110	40200	4.02	0.011
KVRC045	103	104	80	38100	3.8099999	8.00E-03
KVRC045	104	105	170	41000	4.0999999	1.70E-02
KVRC045	105	106	520	55300	5.5300002	5.20E-02
KVRC045	106	107	350	19050	1.905	0.035
KVRC045	107	108	240	55700	5.5700002	0.024
KVRC045	108	109	260	101000	10.1	2.60E-02
KVRC045	109	110	230	62900	6.29	0.023
KVRC045	110	111	230	64800	6.48	0.023
KVRC045	111	112	590	97500	9.75	0.059
KVRC045	112	113	190	58100	5.8099999	1.90E-02
KVRC045	113	114	220	134500	13.45	0.022
KVRC045	114	115	240	133500	13.35	0.024
KVRC045	115	116	130	83100	8.3100004	0.013
KVRC045	116	117	180	102000	10.2	1.80E-02
KVRC045	117	118	200	26300	2.6300001	0.02
KVRC046	3	7	300	1090	0.109	3.00E-02
KVRC046	7	11	190	690	6.90E-02	1.90E-02
KVRC046	11	15	180	1030	0.103	1.80E-02
KVRC046	15	19	100	930	9.30E-02	1.00E-02
KVRC046	19	23	80	920	0.092	8.00E-03
KVRC046	23	27	160	1430	0.14300001	1.60E-02
KVRC046	27	31	250	2820	0.28200001	0.025
KVRC046	31	35	230	5150	0.51499999	0.023
KVRC046	35	39	240	5530	0.55299997	0.024
KVRC046	39	40	250	8820	0.88200003	0.025
KVRC046	40	41	250	12900	1.29	0.025
KVRC046	41	42	80	4030	0.403	8.00E-03
KVRC046	42	43	130	3240	0.324	0.013
KVRC046	43	44	120	7650	0.76499999	0.012
KVRC046	44	45	140	7680	0.76800001	0.014
KVRC046	45	47	150	3340	0.33399999	0.015
KVRC046	47	49	330	7750	0.77499998	0.033
KVRC046	49	52	250	4110	0.41100001	0.025
KVRC046	52	55	770	3880	0.38800001	0.077
KVRC046	55	56	690	6560	0.65600002	6.90E-02
KVRC046	56	57	630	35800	3.5799999	6.30E-02
KVRC046	57	58	630	68700	6.8699999	6.30E-02
KVRC046	58	59	1890	37800	3.78	0.189
KVRC046	59	60	1800	61000	6.0999999	0.18000001
KVRC046	60	61	610	36600	3.6600001	6.10E-02
KVRC046	61	62	2270	51500	5.1500001	0.227
KVRC046	62	63	2050	14200	1.42	0.205
KVRC046	63	64	1390	47000	4.6999998	0.139
KVRC046	64	65	1910	25100	2.51	0.191
KVRC046	65	66	750	19850	1.985	7.50E-02
KVRC046	66	67	540	42300	4.23	5.40E-02
KVRC046	67	68	1550	45300	4.5300002	0.155
KVRC046	68	69	330	37100	3.71	0.033
KVRC046	69	70	1010	29400	2.9400001	0.101
KVRC046	70	71	1410	18150	1.8150001	0.141
KVRC046	71	72	800	23900	2.3900001	8.00E-02
KVRC046	72	73	420	39300	3.9300001	4.20E-02
KVRC046	73	74	310	36100	3.6099999	3.10E-02

KVRC046	74	75	500	41300	4.1300001	5.00E-02
KVRC046	75	76	200	55300	5.5300002	0.02
KVRC046	76	77	400	71700	7.1700001	4.00E-02
KVRC046	77	78	390	41200	4.1199999	3.90E-02
KVRC046	78	79	250	39100	3.9100001	0.025
KVRC046	79	80	260	28500	2.8499999	2.60E-02
KVRC046	80	81	300	45300	4.5300002	3.00E-02
KVRC046	81	82	1090	67500	6.75	0.109
KVRC046	82	83	740	37300	3.73	7.40E-02
KVRC046	83	84	1510	72000	7.1999998	0.15099999
KVRC046	84	85	3250	58600	5.8600001	0.32499999
KVRC046	85	86	2540	65300	6.5300002	0.25400001
KVRC046	86	87	2920	76300	7.6300001	0.292
KVRC046	87	88	1490	61100	6.1100001	0.149
KVRC046	88	89	1100	42400	4.2399998	0.11
KVRC046	89	90	1000	38200	3.8199999	0.1
KVRC046	90	91	860	22400	2.24	8.60E-02
KVRC046	91	92	980	28500	2.8499999	9.80E-02
KVRC046	92	93	760	19050	1.905	7.60E-02
KVRC046	93	94	940	29100	2.9100001	9.40E-02
KVRC046	94	95	1110	26500	2.6500001	0.111
KVRC046	101	103	320	7050	0.70499998	3.20E-02
KVRC046	103	106	190	3660	0.366	1.90E-02
KVRC047	1	5	110	790	7.90E-02	0.011
KVRC047	5	9	120	1170	0.117	0.012
KVRC047	9	13	30	1190	0.119	0.003
KVRC047	13	17	50	1750	0.175	5.00E-03
KVRC047	17	21	40	1860	0.186	4.00E-03
KVRC047	21	25	110	930	9.30E-02	0.011
KVRC047	25	29	100	1270	0.127	1.00E-02
KVRC047	29	33	100	990	9.90E-02	1.00E-02
KVRC047	33	37	140	1210	0.121	0.014
KVRC047	37	41	120	1060	0.106	0.012
KVRC047	41	45	170	1440	0.14399999	1.70E-02
KVRC047	45	49	520	2540	0.25400001	5.20E-02
KVRC047	49	53	300	3250	0.32499999	3.00E-02
KVRC047	53	57	250	4080	0.40799999	0.025
KVRC047	57	61	80	33500	3.3499999	8.00E-03
KVRC047	64	65	80	3100	0.31	8.00E-03
KVRC047	65	66	20	11500	1.15	2.00E-03
KVRC047	66	67	20	30600	3.0599999	2.00E-03
KVRC047	67	68	50	7490	0.74900001	5.00E-03
KVRC047	68	69	910	3960	0.396	9.10E-02
KVRC047	69	70	400	19000	1.9	4.00E-02
KVRC047	70	71	260	53500	5.3499999	2.60E-02
KVRC047	71	72	40	8310	0.83099997	4.00E-03
KVRC047	72	73	30	2410	0.241	0.003
KVRC047	73	74	60	970	9.70E-02	6.00E-03
KVRC047	74	75	60	810	0.081	6.00E-03
KVRC047	75	76	80	2200	0.22	8.00E-03
KVRC047	76	77	60	9030	0.903	6.00E-03
KVRC047	77	78	70	1540	0.154	7.00E-03
KVRC047	78	79	300	640	6.40E-02	3.00E-02
KVRC047	79	80	270	1880	0.18799999	2.70E-02
KVRC047	80	81	210	2890	0.289	0.021
KVRC047	81	82	180	1290	0.12899999	1.80E-02
KVRC047	82	83	90	3940	0.39399999	9.00E-03
KVRC047	83	84	40	1820	0.182	4.00E-03
KVRC047	84	85	20	750	7.50E-02	2.00E-03
KVRC047	85	86	30	1110	0.111	0.003
KVRC047	86	88	40	2110	0.211	4.00E-03
KVRC047	88	90	40	1700	0.17	4.00E-03
KVRC047	90	91	60	3240	0.324	6.00E-03

KVRC047	91	92	120	120000	12	0.012
KVRC047	92	93	120	273000	27.299999	0.012
KVRC047	93	94	80	60500	6.0500002	8.00E-03
KVRC047	94	95	110	29400	2.9400001	0.011
KVRC047	95	96	140	10300	1.03	0.014
KVRC047	96	97	120	26900	2.6900001	0.012
KVRC047	97	98	320	24600	2.46	3.20E-02
KVRC047	98	99	340	43000	4.3000002	3.40E-02
KVRC047	99	100	420	99200	9.9200001	4.20E-02
KVRC047	100	101	280	35100	3.51	2.80E-02
KVRC047	101	102	210	38500	3.8499999	0.021
KVRC047	102	104	180	5160	0.51599997	1.80E-02
KVRC047	104	106	220	3450	0.345	0.022
KVRC047	106	108	460	3580	0.35800001	0.046
KVRC047	108	110	270	2600	0.25999999	2.70E-02
KVRC048	2	6	180	900	9.00E-02	1.80E-02
KVRC048	6	10	180	1010	0.101	1.80E-02
KVRC048	10	14	90	710	7.10E-02	9.00E-03
KVRC048	14	18	110	560	5.60E-02	0.011
KVRC048	18	22	110	570	0.057	0.011
KVRC048	22	26	90	840	8.40E-02	9.00E-03
KVRC048	26	30	600	1230	0.123	6.00E-02
KVRC048	30	34	930	2280	0.228	9.30E-02
KVRC048	34	38	480	3170	0.317	0.048
KVRC048	38	42	460	3360	0.336	0.046
KVRC048	42	46	370	3220	0.322	0.037
KVRC048	46	50	310	3490	0.34900001	3.10E-02
KVRC048	50	54	790	3870	0.38699999	7.90E-02
KVRC048	54	58	590	2250	0.22499999	0.059
KVRC048	58	62	1190	2020	0.20200001	0.119
KVRC048	62	66	1950	2870	0.287	0.19499999
KVRC048	66	70	1050	1340	0.134	0.105
KVRC048	70	74	930	1470	0.147	9.30E-02
KVRC048	74	78	710	610	6.10E-02	7.10E-02
KVRC048	78	82	220	320	3.20E-02	0.022
KVRC048	82	86	190	590	0.059	1.90E-02
KVRC048	86	90	150	520	5.20E-02	0.015
KVRC048	90	93	330	420	4.20E-02	0.033
KVRC049	2	6	510	1090	0.109	5.10E-02
KVRC049	6	10	900	1950	0.19499999	9.00E-02
KVRC049	10	14	310	1400	0.14	3.10E-02
KVRC049	14	18	60	760	7.60E-02	6.00E-03
KVRC049	18	22	60	920	0.092	6.00E-03
KVRC049	22	26	120	1800	0.18000001	0.012
KVRC049	26	30	150	1200	0.12	0.015
KVRC049	30	34	60	840	8.40E-02	6.00E-03
KVRC049	34	38	70	1180	0.118	7.00E-03
KVRC049	38	42	170	1440	0.14399999	1.70E-02
KVRC049	42	46	250	1360	0.13600001	0.025
KVRC049	46	50	50	1690	0.169	5.00E-03
KVRC049	50	52	20	1020	0.102	2.00E-03
KVRC049	52	53	10	9880	0.98799998	0.001
KVRC049	53	54	10	7410	0.741	0.001
KVRC049	54	55	10	23200	2.3199999	0.001
KVRC049	55	56	10	17650	1.765	0.001
KVRC049	56	57	20	4150	0.41499999	2.00E-03
KVRC049	57	58	10	9810	0.98100001	0.001
KVRC049	58	59	90	47600	4.7600002	9.00E-03
KVRC049	59	60	100	90200	9.0200005	1.00E-02
KVRC049	60	62	30	7070	0.70700002	0.003
KVRC049	62	64	50	13700	1.37	5.00E-03
KVRC049	64	66	10	2170	0.21699999	0.001
KVRC049	66	68	10	3680	0.368	0.001

KVRC049	68	70	40	5750	0.57499999	4.00E-03
KVRC049	70	72	20	1910	0.191	2.00E-03
KVRC049	72	74	30	810	0.081	0.003
KVRC049	74	76	90	2920	0.292	9.00E-03
KVRC049	76	80	150	1880	0.18799999	0.015
KVRC049	80	84	140	1620	0.162	0.014
KVRC049	84	88	190	1800	0.18000001	1.90E-02
KVRC049	88	91	200	10250	1.025	0.02
KVRC049	92	95	450	2050	0.205	4.50E-02
KVRC049	95	97	350	5950	0.59500003	0.035
KVRC050	8	12	60	630	6.30E-02	6.00E-03
KVRC050	12	16	20	180	1.80E-02	2.00E-03
KVRC050	16	20	50	110	0.011	5.00E-03
KVRC050	20	24	40	80	8.00E-03	4.00E-03
KVRC050	24	28	140	1490	0.149	0.014
KVRC050	29	33	140	1680	0.168	0.014
KVRC050	33	37	30	320	3.20E-02	0.003
KVRC050	37	41	30	160	1.60E-02	0.003
KVRC050	41	45	370	14000	1.4	0.037
KVRC050	45	48	30	170	1.70E-02	0.003
KVRC051	4	6	340	1310	0.131	3.40E-02
KVRC051	8	12	250	850	8.50E-02	0.025
KVRC051	12	16	210	1320	0.132	0.021
KVRC051	16	20	370	3490	0.34900001	0.037
KVRC051	20	24	640	3690	0.36899999	6.40E-02
KVRC051	24	28	220	1370	0.13699999	0.022
KVRC051	28	32	260	3700	0.37	2.60E-02
KVRC051	32	36	380	5700	0.56999999	3.80E-02
KVRC051	36	40	220	1350	0.13500001	0.022
KVRC051	40	44	240	1270	0.127	0.024
KVRC051	44	48	710	1560	0.156	7.10E-02
KVRC051	48	52	70	840	8.40E-02	7.00E-03
KVRC051	52	56	180	1270	0.127	1.80E-02
KVRC051	56	60	110	1360	0.13600001	0.011
KVRC051	60	64	90	2440	0.244	9.00E-03
KVRC051	64	68	160	520	5.20E-02	1.60E-02
KVRC051	68	72	70	620	6.20E-02	7.00E-03
KVRC051	72	76	60	380	3.80E-02	6.00E-03
KVRC051	76	80	40	160	1.60E-02	4.00E-03
KVRC051	80	84	40	160	1.60E-02	4.00E-03
KVRC051	84	88	550	2900	0.28999999	0.055
KVRC051	88	92	80	460	0.046	8.00E-03
KVRC051	92	96	70	700	0.07	7.00E-03
KVRC051	96	100	60	860	8.60E-02	6.00E-03
KVRC052	1	5	70	470	4.70E-02	7.00E-03
KVRC052	5	9	-10	200	0.02	-0.001
KVRC052	9	13	10	310	3.10E-02	0.001
KVRC052	13	17	10	270	2.70E-02	0.001
KVRC052	17	21	20	220	0.022	2.00E-03
KVRC052	21	25	10	20	2.00E-03	0.001
KVRC052	25	29	10	40	4.00E-03	0.001
KVRC052	29	33	10	130	0.013	0.001
KVRC052	33	37	10	90	9.00E-03	0.001
KVRC052	37	41	20	10	0.001	2.00E-03
KVRC052	41	45	20	10	0.001	2.00E-03
KVRC052	45	49	10	10	0.001	0.001
KVRC052	49	53	10	10	0.001	0.001
KVRC052	53	57	10	10	0.001	0.001
KVRC052	57	60	10	10	0.001	0.001
KVRC053	1	5	240	1820	0.182	0.024
KVRC053	5	7	600	3760	0.37599999	6.00E-02
KVRC053	7	9	740	5270	0.52700001	7.40E-02
KVRC053	9	11	490	14100	1.41	4.90E-02

KVRC053	11	13	360	15000	1.5	3.60E-02
KVRC053	13	15	240	10600	1.0599999	0.024
KVRC053	15	17	250	20500	2.05	0.025
KVRC053	17	19	150	6430	0.64300001	0.015
KVRC053	19	23	30	1880	0.18799999	0.003
KVRC053	23	27	20	1770	0.177	2.00E-03
KVRC053	27	31	30	1000	0.1	0.003
KVRC053	31	35	-10	720	7.20E-02	-0.001
KVRC053	35	39	-10	250	0.025	-0.001
KVRC053	39	43	-10	100	1.00E-02	-0.001
KVRC053	43	47	-10	70	7.00E-03	-0.001
KVRC053	47	51	10	40	4.00E-03	0.001
KVRC053	51	54	-10	110	0.011	-0.001
KVRC053	54	57	-10	40	4.00E-03	-0.001
KVRC053	57	60	-10	10	0.001	-0.001
KVRC054	3	7	230	2160	0.21600001	0.023
KVRC054	7	11	120	1710	0.171	0.012
KVRC054	11	15	210	2770	0.27700001	0.021
KVRC054	15	19	440	5260	0.52600002	0.044
KVRC054	19	23	210	3370	0.33700001	0.021
KVRC054	23	24	210	2130	0.213	0.021
KVRC054	24	25	200	7340	0.73400003	0.02
KVRC054	25	26	650	25400	2.54	6.50E-02
KVRC054	26	27	220	24000	2.4000001	0.022
KVRC054	27	28	150	44800	4.48	0.015
KVRC054	28	29	370	25100	2.51	0.037
KVRC054	29	30	220	6110	0.611	0.022
KVRC054	30	31	180	177000	17.700001	1.80E-02
KVRC054	31	32	110	269000	26.9	0.011
KVRC054	32	33	260	26200	2.6199999	2.60E-02
KVRC054	33	34	160	11900	1.1900001	1.60E-02
KVRC054	34	35	240	16600	1.66	0.024
KVRC054	35	36	110	8390	0.83899999	0.011
KVRC054	36	37	150	6340	0.634	0.015
KVRC054	37	38	160	72600	7.2600002	1.60E-02
KVRC054	38	39	230	55500	5.5500002	0.023
KVRC054	39	40	10	58200	5.8200002	0.001
KVRC054	40	41	40	14900	1.49	4.00E-03
KVRC054	41	45	80	8570	0.85699999	8.00E-03
KVRC054	45	49	80	13300	1.33	8.00E-03
KVRC054	49	53	-10	510	5.10E-02	-0.001
KVRC054	53	57	-10	590	0.059	-0.001
KVRC054	57	60	-10	40	4.00E-03	-0.001
KVRC055	0	4	460	1760	0.176	0.046
KVRC055	4	8	390	2120	0.212	3.90E-02
KVRC055	8	12	180	1540	0.154	1.80E-02
KVRC055	12	16	130	1810	0.18099999	0.013
KVRC055	16	20	150	2290	0.229	0.015
KVRC055	20	24	120	2490	0.249	0.012
KVRC055	24	28	120	2360	0.236	0.012
KVRC055	28	32	210	3990	0.39899999	0.021
KVRC055	32	33	30	5630	0.56300002	0.003
KVRC055	33	34	40	9980	0.99800003	4.00E-03
KVRC055	34	35	60	11700	1.17	6.00E-03
KVRC055	35	36	40	29900	2.99	4.00E-03
KVRC055	36	37	50	13800	1.38	5.00E-03
KVRC055	37	38	60	12800	1.28	6.00E-03
KVRC055	38	39	50	5510	0.551	5.00E-03
KVRC055	39	40	170	17700	1.77	1.70E-02
KVRC055	40	41	60	24300	2.4300001	6.00E-03
KVRC055	41	42	300	18250	1.825	3.00E-02
KVRC055	42	43	260	4950	0.495	2.60E-02
KVRC055	43	44	140	2850	0.285	0.014

KVRC055	44	45	420	7480	0.74800003	4.20E-02
KVRC055	45	46	260	7000	0.69999999	2.60E-02
KVRC055	46	47	160	5470	0.54699999	1.60E-02
KVRC055	47	48	560	23600	2.3599999	5.60E-02
KVRC055	48	49	400	21100	2.1099999	4.00E-02
KVRC055	49	50	160	5160	0.51599997	1.60E-02
KVRC055	50	51	130	14350	1.4349999	0.013
KVRC055	51	52	100	9460	0.94599998	1.00E-02
KVRC055	52	53	110	7970	0.79699999	0.011
KVRC055	53	54	280	113500	11.35	2.80E-02
KVRC055	54	55	100	123000	12.3	1.00E-02
KVRC055	55	56	190	38900	3.8900001	1.90E-02
KVRC055	56	57	90	59100	5.9099998	9.00E-03
KVRC055	57	58	90	44200	4.4200001	9.00E-03
KVRC055	58	59	170	48300	4.8299999	1.70E-02
KVRC055	59	60	320	19600	1.96	3.20E-02
KVRC055	60	61	180	28400	2.8399999	1.80E-02
KVRC055	61	62	190	28700	2.8699999	1.90E-02
KVRC055	62	63	320	35200	3.52	3.20E-02
KVRC055	63	64	330	18400	1.84	0.033
KVRC055	64	65	200	17150	1.715	0.02
KVRC055	65	66	100	11500	1.15	1.00E-02
KVRC055	66	67	130	14350	1.4349999	0.013
KVRC055	67	68	280	24700	2.47	2.80E-02
KVRC055	68	69	60	15350	1.535	6.00E-03
KVRC055	71	72	30	4870	0.48699999	0.003
KVRC055	72	73	40	2230	0.223	4.00E-03
KVRC055	73	75	10	280	2.80E-02	0.001
KVRC055	75	77	-10	2130	0.213	-0.001
KVRC055	77	78	-10	1500	0.15000001	-0.001
KVRC055	78	79	10	1710	0.171	0.001
KVRC055	79	80	-10	1350	0.13500001	-0.001
KVRC055	80	82	-10	1690	0.169	-0.001
KVRC055	82	84	-10	490	4.90E-02	-0.001
KVRC055	84	86	-10	50	5.00E-03	-0.001
KVRC055	86	88	10	3060	0.30599999	0.001
KVRC055	88	90	-10	180	1.80E-02	-0.001
KVRC055	90	92	10	4030	0.403	0.001
KVRC055	92	94	-10	1670	0.167	-0.001
KVRC055	94	96	-10	2060	0.206	-0.001
KVRC055	96	98	-10	2260	0.226	-0.001
KVRC055	98	100	-10	310	3.10E-02	-0.001
KVRC055	100	102	10	5800	0.57999998	0.001
KVRC055	102	104	10	3560	0.35600001	0.001
KVRC055	104	106	10	2920	0.292	0.001
KVRC055	106	108	-10	8570	0.85699999	-0.001
KVRC055	108	110	10	9520	0.95200002	0.001
KVRC056	0	4	360	2220	0.222	3.60E-02
KVRC056	4	8	110	1930	0.193	0.011
KVRC056	8	12	280	1680	0.168	2.80E-02
KVRC056	12	16	180	1490	0.149	1.80E-02
KVRC056	16	20	190	1160	0.116	1.90E-02
KVRC056	20	24	150	2160	0.21600001	0.015
KVRC056	24	28	110	1600	0.16	0.011
KVRC056	28	32	80	1580	0.15800001	8.00E-03
KVRC056	32	36	200	3630	0.36300001	0.02
KVRC056	36	39	110	2770	0.27700001	0.011
KVRC056	40	41	50	2010	0.20100001	5.00E-03
KVRC056	41	42	90	3260	0.32600001	9.00E-03
KVRC056	42	43	200	7810	0.78100002	0.02
KVRC056	43	44	110	2220	0.222	0.011
KVRC056	44	45	100	2060	0.206	1.00E-02
KVRC056	45	46	160	5560	0.55599999	1.60E-02

KVRC056	46	47	50	24000	2.4000001	5.00E-03
KVRC056	47	49	40	12250	1.225	4.00E-03
KVRC056	49	51	90	31700	3.1700001	9.00E-03
KVRC056	51	53	110	11050	1.105	0.011
KVRC056	53	55	110	19750	1.975	0.011
KVRC056	55	56	420	44400	4.4400001	4.20E-02
KVRC056	56	57	70	10600	1.0599999	7.00E-03
KVRC056	57	58	660	22500	2.25	0.066
KVRC056	58	59	1010	32300	3.23	0.101
KVRC056	59	60	270	63200	6.3200002	2.70E-02
KVRC056	60	61	140	35400	3.54	0.014
KVRC056	61	62	160	77700	7.77	1.60E-02
KVRC056	62	63	150	11650	1.165	0.015
KVRC056	63	64	160	5330	0.53299999	1.60E-02
KVRC056	64	65	180	33400	3.3399999	1.80E-02
KVRC056	65	66	120	54300	5.4299998	0.012
KVRC056	66	67	150	390000	39	0.015
KVRC056	67	68	190	269000	26.9	1.90E-02
KVRC056	68	69	250	268000	26.799999	0.025
KVRC056	70	71	310	67600	6.7600002	3.10E-02
KVRC056	71	72	60	25900	2.5899999	6.00E-03
KVRC056	72	73	30	3790	0.37900001	0.003
KVRC056	73	74	90	10700	1.0700001	9.00E-03
KVRC056	74	75	350	26900	2.6900001	0.035
KVRC056	75	76	190	25500	2.55	1.90E-02
KVRC056	76	77	150	32800	3.28	0.015
KVRC056	77	78	90	5450	0.54500002	9.00E-03
KVRC056	78	79	30	1680	0.168	0.003
KVRC056	79	80	20	1560	0.156	2.00E-03
KVRC056	80	81	30	3100	0.31	0.003
KVRC056	81	82	50	52300	5.23	5.00E-03
KVRC056	82	83	100	9470	0.94700003	1.00E-02
KVRC056	83	84	150	6590	0.65899998	0.015
KVRC056	84	85	120	4860	0.486	0.012
KVRC056	85	86	150	4740	0.47400001	0.015
KVRC056	86	87	20	6320	0.63200003	2.00E-03
KVRC056	87	88	30	13200	1.3200001	0.003
KVRC056	88	89	10	8800	0.88	0.001
KVRC056	89	90	10	7360	0.736	0.001
KVRC056	90	91	10	6780	0.67799997	0.001
KVRC056	91	92	20	30600	3.0599999	2.00E-03
KVRC056	92	93	30	31800	3.1800001	0.003
KVRC056	93	94	30	42200	4.2199998	0.003
KVRC056	94	95	30	27500	2.75	0.003
KVRC056	95	96	30	44000	4.4000001	0.003
KVRC056	96	97	30	18600	1.86	0.003
KVRC056	97	98	40	36300	3.6300001	4.00E-03
KVRC056	98	99	30	15350	1.535	0.003
KVRC056	99	100	10	6010	0.60100001	0.001
KVRC056	100	101	20	24400	2.4400001	2.00E-03
KVRC056	101	102	20	21100	2.1099999	2.00E-03
KVRC056	102	103	10	22100	2.21	0.001
KVRC056	103	104	20	30100	3.01	2.00E-03
KVRC056	104	105	20	31000	3.0999999	2.00E-03
KVRC056	105	106	20	27400	2.74	2.00E-03
KVRC056	106	107	20	21400	2.1400001	2.00E-03
KVRC056	107	108	30	35400	3.54	0.003
KVRC056	108	109	20	20500	2.05	2.00E-03
KVRC056	109	110	30	27800	2.78	0.003
KVRC056	110	111	20	26500	2.6500001	2.00E-03
KVRC056	111	112	20	9490	0.949	2.00E-03
KVRC056	112	113	-10	8630	0.86299998	-0.001
KVRC056	113	114	10	13600	1.36	0.001

KVRC056	114	115	20	17250	1.725	2.00E-03
KVRC056	115	116	10	5790	0.579	0.001
KVRC056	116	117	20	17800	1.78	2.00E-03
KVRC056	117	118	10	7730	0.773	0.001
KVRC056	118	119	10	6510	0.65100002	0.001
KVRC056	119	120	10	6570	0.65700001	0.001
KVRC056	120	121	10	16150	1.615	0.001
KVRC056	121	122	10	19250	1.925	0.001
KVRC056	122	123	30	41900	4.1900001	0.003
KVRC056	123	124	30	28500	2.8499999	0.003
KVRC056	124	125	30	31100	3.1099999	0.003
KVRC056	125	126	30	33200	3.3199999	0.003
KVRC056	126	127	20	19750	1.975	2.00E-03
KVRC056	127	128	20	29700	2.97	2.00E-03
KVRC056	128	129	30	25500	2.55	0.003
KVRC056	129	130	20	22900	2.29	2.00E-03
KVRC056	130	131	20	11500	1.15	2.00E-03
KVRC056	131	132	20	11400	1.14	2.00E-03
KVRC056	132	133	20	22600	2.26	2.00E-03
KVRC056	133	134	10	33800	3.3800001	0.001
KVRC056	134	135	20	23000	2.3	2.00E-03
KVRC056	135	136	30	11300	1.13	0.003
KVRC056	136	137	20	13950	1.395	2.00E-03
KVRC056	137	138	20	17750	1.775	2.00E-03
KVRC056	138	139	30	24900	2.49	0.003
KVRC056	139	140	30	25000	2.5	0.003
KVRC056	140	141	20	8820	0.88200003	2.00E-03
KVRC056	141	142	10	8920	0.89200002	0.001
KVRC056	142	143	20	23500	2.3499999	2.00E-03
KVRC056	143	144	30	28500	2.8499999	0.003
KVRC056	144	145	30	11800	1.1799999	0.003
KVRC056	145	146	20	4410	0.44100001	2.00E-03
KVRC056	146	147	20	8060	0.80599999	2.00E-03
KVRC056	147	148	10	2420	0.242	0.001
KVRC056	148	149	40	39600	3.96	4.00E-03
KVRC056	149	150	50	24500	2.45	5.00E-03
KVRC057	1	5	170	1210	0.121	1.70E-02
KVRC057	5	9	140	970	9.70E-02	0.014
KVRC057	9	13	40	500	5.00E-02	4.00E-03
KVRC057	13	17	30	410	4.10E-02	0.003
KVRC057	17	21	40	440	0.044	4.00E-03
KVRC057	21	25	20	90	9.00E-03	2.00E-03
KVRC057	25	29	20	30	0.003	2.00E-03
KVRC057	29	33	20	170	1.70E-02	2.00E-03
KVRC057	33	37	20	140	0.014	2.00E-03
KVRC057	37	41	20	60	6.00E-03	2.00E-03
KVRC057	41	45	40	90	9.00E-03	4.00E-03
KVRC057	45	49	30	340	3.40E-02	0.003
KVRC057	49	53	40	1860	0.186	4.00E-03
KVRC057	53	57	30	760	7.60E-02	0.003
KVRC057	57	61	30	430	4.30E-02	0.003
KVRC057	61	65	40	40	4.00E-03	4.00E-03
KVRC057	65	69	20	40	4.00E-03	2.00E-03
KVRC057	69	73	30	20	2.00E-03	0.003
KVRC057	73	77	30	20	2.00E-03	0.003
KVRC057	77	80	30	30	0.003	0.003
KVRC058	1	5	480	1680	0.168	0.048
KVRC058	5	9	140	1550	0.155	0.014
KVRC058	9	13	120	1170	0.117	0.012
KVRC058	13	17	70	1080	0.108	7.00E-03
KVRC058	17	21	70	1290	0.12899999	7.00E-03
KVRC058	21	25	110	1340	0.134	0.011
KVRC058	25	29	200	1750	0.175	0.02

KVRC058	29	33	160	3460	0.34599999	1.60E-02
KVRC058	33	37	130	2940	0.294	0.013
KVRC058	37	41	160	2890	0.289	1.60E-02
KVRC058	41	45	120	2500	0.25	0.012
KVRC058	45	49	160	2630	0.26300001	1.60E-02
KVRC058	49	50	260	2910	0.29100001	2.60E-02
KVRC058	50	51	220	2630	0.26300001	0.022
KVRC058	51	52	170	5050	0.505	1.70E-02
KVRC058	52	53	110	3700	0.37	0.011
KVRC058	53	54	90	3180	0.31799999	9.00E-03
KVRC058	54	56	100	2760	0.27599999	1.00E-02
KVRC058	56	57	160	3850	0.38499999	1.60E-02
KVRC058	57	58	80	2830	0.28299999	8.00E-03
KVRC058	58	59	140	4190	0.419	0.014
KVRC058	59	60	190	9580	0.958	1.90E-02
KVRC058	60	61	190	8120	0.81199998	1.90E-02
KVRC058	61	62	120	8880	0.88800001	0.012
KVRC058	62	63	140	8970	0.89700001	0.014
KVRC058	63	64	190	15400	1.54	1.90E-02
KVRC058	64	65	180	21300	2.1300001	1.80E-02
KVRC058	65	66	140	31000	3.0999999	0.014
KVRC058	66	67	360	46800	4.6799998	3.60E-02
KVRC058	67	68	510	27100	2.71	5.10E-02
KVRC058	68	69	170	4030	0.403	1.70E-02
KVRC058	69	70	230	10500	1.05	0.023
KVRC058	70	71	330	9810	0.98100001	0.033
KVRC058	71	72	340	18500	1.85	3.40E-02
KVRC058	72	73	410	21400	2.1400001	4.10E-02
KVRC058	73	74	410	21000	2.0999999	4.10E-02
KVRC058	74	75	350	31100	3.1099999	0.035
KVRC058	75	76	280	29600	2.96	2.80E-02
KVRC058	76	77	200	47200	4.7199998	0.02
KVRC058	77	78	280	79000	7.9000001	2.80E-02
KVRC058	78	79	160	9480	0.94800001	1.60E-02
KVRC058	79	80	420	20700	2.0699999	4.20E-02
KVRC058	80	81	390	36500	3.6500001	3.90E-02
KVRC058	82	83	290	26600	2.6600001	2.90E-02
KVRC058	83	84	330	19700	1.97	0.033
KVRC058	84	85	390	17900	1.79	3.90E-02
KVRC058	85	86	430	25300	2.53	4.30E-02
KVRC058	86	87	230	9690	0.96899998	0.023
KVRC058	87	88	300	15000	1.5	3.00E-02
KVRC058	88	89	200	31100	3.1099999	0.02
KVRC058	89	90	320	11200	1.12	3.20E-02
KVRC058	90	91	230	7550	0.755	0.023
KVRC058	91	92	150	16500	1.65	0.015
KVRC058	92	93	440	15800	1.58	0.044
KVRC058	93	94	160	13400	1.34	1.60E-02
KVRC058	94	95	-10	-10	-0.001	-0.001
KVRC058	95	96	270	8850	0.88499999	2.70E-02
KVRC058	96	97	340	15200	1.52	3.40E-02
KVRC058	98	99	120	14100	1.41	0.012
KVRC058	99	100	80	1580	0.15800001	8.00E-03
KVRC058	100	101	80	1210	0.121	8.00E-03
KVRC058	101	102	30	1410	0.141	0.003
KVRC058	102	103	40	2960	0.296	4.00E-03
KVRC058	103	104	220	4180	0.41800001	0.022
KVRC058	104	105	150	3210	0.32100001	0.015
KVRC058	105	106	70	2630	0.26300001	7.00E-03
KVRC058	106	107	70	2160	0.21600001	7.00E-03
KVRC058	107	108	60	3420	0.34200001	6.00E-03
KVRC058	108	109	50	2920	0.292	5.00E-03
KVRC058	109	110	60	2400	0.23999999	6.00E-03

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KVRC058	111	112	110	4230	0.42300001	0.011
KVRC058	112	113	40	5440	0.54400003	4.00E-03
KVRC058	113	114	30	1730	0.17299999	0.003
KVRC058	114	115	50	2510	0.25099999	5.00E-03
KVRC058	115	116	40	3370	0.33700001	4.00E-03
KVRC058	116	117	100	25200	2.52	1.00E-02
KVRC058	117	118	90	29500	2.95	9.00E-03
KVRC058	118	119	90	12500	1.25	9.00E-03
KVRC058	119	120	70	8210	0.82099998	7.00E-03
KVRC058	120	121	90	10850	1.085	9.00E-03
KVRC058	121	122	80	10600	1.0599999	8.00E-03
KVRC058	122	123	70	10600	1.0599999	7.00E-03
KVRC058	123	124	60	9160	0.91600001	6.00E-03
KVRC058	124	125	60	8320	0.83200002	6.00E-03
KVRC058	125	126	90	7370	0.73699999	9.00E-03
KVRC058	126	127	100	7010	0.70099998	1.00E-02
KVRC058	127	128	80	8500	0.85000002	8.00E-03
KVRC058	128	129	80	10300	1.03	8.00E-03
KVRC058	129	130	60	6800	0.68000001	6.00E-03
KVRC058	130	131	80	9800	0.98000002	8.00E-03
KVRC058	131	132	100	7950	0.79500002	1.00E-02
KVRC058	132	134	40	2450	0.245	4.00E-03
KVRC058	134	136	60	5260	0.52600002	6.00E-03
KVRC058	136	138	60	6070	0.60699999	6.00E-03
KVRC058	138	140	40	7240	0.72399998	4.00E-03
KVRC058	140	142	60	6600	0.66000003	6.00E-03
KVRC058	142	144	50	5800	0.57999998	5.00E-03
KVRC058	144	146	40	5160	0.51599997	4.00E-03
KVRC058	146	148	50	4880	0.48800001	5.00E-03
KVRC058	148	150	60	5020	0.50199997	6.00E-03
KVRC059	5	9	90	1110	0.111	9.00E-03
KVRC059	9	13	200	1520	0.152	0.02
KVRC059	13	17	250	1450	0.145	0.025
KVRC059	17	21	300	2160	0.21600001	3.00E-02
KVRC059	21	25	220	2820	0.28200001	0.022
KVRC059	25	29	290	3970	0.39700001	2.90E-02
KVRC059	29	33	30	360	3.60E-02	0.003
KVRC059	33	37	10	20	2.00E-03	0.001
KVRC059	37	41	20	30	0.003	2.00E-03
KVRC059	41	45	40	10	0.001	4.00E-03
KVRC059	45	49	30	10	0.001	0.003
KVRC059	49	53	10	-10	-0.001	0.001
KVRC059	53	57	20	10	0.001	2.00E-03
KVRC059	57	61	20	10	0.001	2.00E-03
KVRC059	61	65	20	10	0.001	2.00E-03
KVRC059	65	69	10	80	8.00E-03	0.001
KVRC059	69	73	-10	10	0.001	-0.001
KVRC059	73	77	-10	20	2.00E-03	-0.001
KVRC059	77	80	-10	20	2.00E-03	-0.001
KVRC060	3	7	130	1190	0.119	0.013
KVRC060	7	11	80	1310	0.131	8.00E-03
KVRC060	11	15	130	1040	0.104	0.013
KVRC060	15	19	210	1570	0.15700001	0.021
KVRC060	19	23	150	1060	0.106	0.015
KVRC060	23	27	170	2600	0.25999999	1.70E-02
KVRC060	27	31	110	1240	0.124	0.011
KVRC060	31	35	150	1310	0.131	0.015
KVRC060	35	39	80	1360	0.13600001	8.00E-03
KVRC060	39	43	50	1620	0.162	5.00E-03
KVRC060	43	47	180	3060	0.30599999	1.80E-02
KVRC060	47	49	100	2590	0.259	1.00E-02
KVRC060	49	50	160	6630	0.66299999	1.60E-02

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KVRC064	43	44	60	20	2.00E-03	6.00E-03
KVRC064	44	45	60	20	2.00E-03	6.00E-03
KVRC064	45	46	60	30	0.003	6.00E-03
KVRC064	46	47	60	40	4.00E-03	6.00E-03
KVRC064	47	48	260	90	9.00E-03	2.60E-02
KVRC064	48	49	250	90	9.00E-03	0.025
KVRC064	49	50	70	70	7.00E-03	7.00E-03
KVRC064	50	54	110	90	9.00E-03	0.011
KVRC064	54	58	130	100	1.00E-02	0.013
KVRC064	58	62	100	70	7.00E-03	1.00E-02
KVRC064	62	66	90	70	7.00E-03	9.00E-03
KVRC064	66	70	120	170	1.70E-02	0.012
KVRC064	70	74	200	220	0.022	0.02
KVRC064	74	78	120	300	3.00E-02	0.012
KVRC064	78	82	110	360	3.60E-02	0.011
KVRC064	82	86	80	320	3.20E-02	8.00E-03
KVRC064	86	87	70	630	6.30E-02	7.00E-03

KVRC064	87	88	90	1190	0.119	9.00E-03
KVRC064	88	89	70	1100	0.11	7.00E-03
KVRC064	89	90	680	1980	0.198	6.80E-02
KVRC064	90	91	160	690	6.90E-02	1.60E-02
KVRC064	91	92	150	2330	0.233	0.015
KVRC064	92	93	120	1110	0.111	0.012
KVRC064	93	94	130	760	7.60E-02	0.013
KVRC064	94	95	160	920	0.092	1.60E-02
KVRC064	95	96	100	1340	0.134	1.00E-02
KVRC064	96	97	180	920	0.092	1.80E-02
KVRC064	97	98	110	920	0.092	0.011
KVRC064	98	99	110	730	7.30E-02	0.011
KVRC064	99	100	250	1990	0.199	0.025
KVRC064	100	101	280	390	3.90E-02	2.80E-02
KVRC064	101	102	150	610	6.10E-02	0.015
KVRC064	102	103	190	1630	0.163	1.90E-02
KVRC064	103	104	190	2010	0.20100001	1.90E-02
KVRC064	104	105	90	2060	0.206	9.00E-03
KVRC064	105	106	170	2020	0.20200001	1.70E-02
KVRC064	106	107	140	3460	0.34599999	0.014
KVRC064	107	108	80	2670	0.26699999	8.00E-03
KVRC064	108	109	90	3080	0.308	9.00E-03
KVRC064	109	110	100	2940	0.294	1.00E-02
KVRC064	110	111	150	4850	0.48500001	0.015
KVRC064	111	112	90	2330	0.233	9.00E-03
KVRC064	112	113	50	720	7.20E-02	5.00E-03
KVRC064	113	114	90	2130	0.213	9.00E-03
KVRC064	114	115	130	2940	0.294	0.013
KVRC064	115	116	70	710	7.10E-02	7.00E-03
KVRC064	116	117	60	390	3.90E-02	6.00E-03
KVRC064	117	118	70	1210	0.121	7.00E-03
KVRC064	118	119	120	1740	0.17399999	0.012
KVRC064	119	120	60	450	4.50E-02	6.00E-03
KVRC064	120	121	50	230	0.023	5.00E-03
KVRC064	121	122	60	740	7.40E-02	6.00E-03
KVRC064	122	123	70	650	6.50E-02	7.00E-03
KVRC064	123	124	90	1360	0.13600001	9.00E-03
KVRC064	124	125	50	260	2.60E-02	5.00E-03
KVRC064	125	126	70	1210	0.121	7.00E-03
KVRC064	126	127	150	2180	0.21799999	0.015
KVRC064	127	128	100	1050	0.105	1.00E-02
KVRC064	128	129	80	780	7.80E-02	8.00E-03
KVRC064	129	130	170	1970	0.197	1.70E-02
KVRC064	130	131	70	1250	0.125	7.00E-03
KVRC064	131	132	70	440	0.044	7.00E-03
KVRC064	132	133	40	180	1.80E-02	4.00E-03
KVRC064	133	134	110	1350	0.13500001	0.011
KVRC064	134	135	90	1200	0.12	9.00E-03
KVRC064	135	136	60	260	2.60E-02	6.00E-03
KVRC064	136	137	50	180	1.80E-02	5.00E-03
KVRC064	137	138	90	800	8.00E-02	9.00E-03
KVRC064	138	139	130	1440	0.14399999	0.013
KVRC064	139	140	70	230	0.023	7.00E-03
KVRC064	140	141	40	310	3.10E-02	4.00E-03
KVRC064	141	142	80	540	5.40E-02	8.00E-03
KVRC064	142	143	70	850	8.50E-02	7.00E-03
KVRC064	143	144	100	780	7.80E-02	1.00E-02
KVRC064	144	145	70	990	9.90E-02	7.00E-03
KVRC064	145	146	120	1470	0.147	0.012
KVRC064	146	147	90	1250	0.125	9.00E-03
KVRC064	147	148	90	670	6.70E-02	9.00E-03
KVRC064	148	149	90	580	5.80E-02	9.00E-03
KVRC064	149	150	90	580	5.80E-02	9.00E-03

KVRC065	3	7	300	560	5.60E-02	3.00E-02
KVRC065	7	11	3440	3430	0.34299999	0.34400001
KVRC065	11	15	2920	3920	0.39199999	0.292
KVRC065	15	19	310	1190	0.119	3.10E-02
KVRC065	19	23	210	990	9.90E-02	0.021
KVRC065	23	27	250	820	8.20E-02	0.025
KVRC065	27	31	140	1200	0.12	0.014
KVRC065	31	35	190	1410	0.141	1.90E-02
KVRC065	35	39	220	2790	0.27900001	0.022
KVRC065	39	43	100	1850	0.185	1.00E-02
KVRC065	43	47	650	1910	0.191	6.50E-02
KVRC065	47	51	440	1870	0.18700001	0.044
KVRC065	51	55	590	1940	0.19400001	0.059
KVRC065	55	59	430	2400	0.23999999	4.30E-02
KVRC065	59	63	170	2170	0.21699999	1.70E-02
KVRC065	63	67	430	3260	0.32600001	4.30E-02
KVRC065	67	71	730	2580	0.25799999	7.30E-02
KVRC065	71	75	460	2690	0.26899999	0.046
KVRC065	75	79	640	2170	0.21699999	6.40E-02
KVRC065	79	83	600	1340	0.134	6.00E-02
KVRC065	83	87	350	550	0.055	0.035
KVRC065	87	91	410	1010	0.101	4.10E-02
KVRC065	91	94	650	1420	0.142	6.50E-02
KVRC065	94	97	760	840	8.40E-02	7.60E-02
KVRC065	97	100	520	1470	0.147	5.20E-02
KVRC066	4	8	140	1290	0.12899999	0.014
KVRC066	8	12	40	1640	0.164	4.00E-03
KVRC066	12	16	60	1330	0.133	6.00E-03
KVRC066	16	20	80	1400	0.14	8.00E-03
KVRC066	20	24	60	1350	0.13500001	6.00E-03
KVRC066	24	28	40	1220	0.122	4.00E-03
KVRC066	28	32	60	1170	0.117	6.00E-03
KVRC066	32	36	50	1290	0.12899999	5.00E-03
KVRC066	36	40	60	1410	0.141	6.00E-03
KVRC066	40	44	40	1450	0.145	4.00E-03
KVRC066	44	48	30	920	0.092	0.003
KVRC066	48	52	60	1010	0.101	6.00E-03
KVRC066	52	53	60	1920	0.192	6.00E-03
KVRC066	53	54	40	2480	0.248	4.00E-03
KVRC066	54	55	30	2600	0.25999999	0.003
KVRC066	55	56	40	5780	0.57800001	4.00E-03
KVRC066	56	57	30	27400	2.74	0.003
KVRC066	57	58	40	8610	0.861	4.00E-03
KVRC066	58	59	50	4220	0.42199999	5.00E-03
KVRC066	59	60	50	7600	0.75999999	5.00E-03
KVRC066	60	64	120	2110	0.211	0.012
KVRC066	64	68	110	290	2.90E-02	0.011
KVRC066	68	72	50	130	0.013	5.00E-03
KVRC066	72	76	50	140	0.014	5.00E-03
KVRC066	76	80	30	70	7.00E-03	0.003
KVRC066	80	84	20	70	7.00E-03	2.00E-03
KVRC066	84	87	30	80	8.00E-03	0.003
KVRC066	87	90	60	120	0.012	6.00E-03
KVRC067	2	3	30	80	8.00E-03	0.003
KVRC067	5	9	80	800	8.00E-02	8.00E-03
KVRC067	9	13	120	1540	0.154	0.012
KVRC067	13	17	510	2690	0.26899999	5.10E-02
KVRC067	17	21	680	5430	0.54299998	6.80E-02
KVRC067	21	24	450	3830	0.38299999	4.50E-02
KVRC067	24	27	160	11100	1.11	1.60E-02
KVRC067	28	32	220	17600	1.76	0.022
KVRC067	32	36	160	20100	2.01	1.60E-02
KVRC067	36	37	100	3390	0.33899999	1.00E-02

KVRC067	37	38	100	22300	2.23	1.00E-02
KVRC067	38	39	90	16900	1.6900001	9.00E-03
KVRC067	39	40	220	25100	2.51	0.022
KVRC067	40	41	190	14300	1.4299999	1.90E-02
KVRC067	41	42	380	33800	3.3800001	3.80E-02
KVRC067	42	43	500	18300	1.83	5.00E-02
KVRC067	43	44	290	23600	2.3599999	2.90E-02
KVRC067	44	45	160	38400	3.8399999	1.60E-02
KVRC067	45	46	170	24700	2.47	1.70E-02
KVRC067	46	47	140	11800	1.1799999	0.014
KVRC067	47	48	200	12500	1.25	0.02
KVRC067	48	49	230	21000	2.0999999	0.023
KVRC067	49	51	190	26200	2.6199999	1.90E-02
KVRC067	58	61	150	2370	0.237	0.015
KVDH005	0	2	130	1020	0.102	0.013
KVDH005	2	4	200	1140	0.114	0.02
KVDH005	4	6	50	660	0.066	5.00E-03
KVDH005	6	8	10	570	0.057	0.001
KVDH005	8	10	20	620	6.20E-02	2.00E-03
KVDH005	10	12	20	400	4.00E-02	2.00E-03
KVDH005	12	14	50	580	5.80E-02	5.00E-03
KVDH005	14	16	60	1410	0.141	6.00E-03
KVDH005	16	18	70	1320	0.132	7.00E-03
KVDH005	18	20	220	2090	0.20900001	0.022
KVDH005	20	22	100	1560	0.156	1.00E-02
KVDH005	22	24	90	1350	0.13500001	9.00E-03
KVDH005	24	26	40	950	9.50E-02	4.00E-03
KVDH005	26	28	30	920	0.092	0.003
KVDH005	28	30	20	860	8.60E-02	2.00E-03
KVDH005	30	32	40	1000	0.1	4.00E-03
KVDH005	32	34	30	1350	0.13500001	0.003
KVDH005	34	36	30	940	9.40E-02	0.003
KVDH005	36	38	50	1080	0.108	5.00E-03
KVDH005	38	40	20	630	6.30E-02	2.00E-03
KVDH005	40	42	10	600	6.00E-02	0.001
KVDH005	42	44	50	1230	0.123	5.00E-03
KVDH005	44	46	10	660	0.066	0.001
KVDH005	46	48	40	730	7.30E-02	4.00E-03
KVDH005	48	50		420	4.20E-02	
KVDH005	50	52	50	810	0.081	5.00E-03
KVDH005	52	54	20	690	6.90E-02	2.00E-03
KVDH005	54	55	10	670	6.70E-02	0.001
KVDH005	55	56	30	1080	0.108	0.003
KVDH005	56	57	20	5820	0.58200002	2.00E-03
KVDH005	57	58	30	3810	0.38100001	0.003
KVDH005	58	59	10	240	0.024	0.001
KVDH005	59	60	10	130	0.013	0.001
KVDH005	60	62	20	220	0.022	2.00E-03
KVDH005	62	64	50	150	0.015	5.00E-03
KVDH005	64	66	40	60	6.00E-03	4.00E-03
KVDH005	66	68	40	80	8.00E-03	4.00E-03
KVDH005	68	70	40	30	0.003	4.00E-03
KVDH005	70	72	30	70	7.00E-03	0.003
KVDH005	72	74	10	90	9.00E-03	0.001
KVDH005	74	76	20	60	6.00E-03	2.00E-03
KVDH005	76	78	-10	20	2.00E-03	-0.001
KVDH005	78	80	-10	20	2.00E-03	-0.001
KVDH005	80	82	10	30	0.003	0.001
KVDH005	82	84	-10	20	2.00E-03	-0.001
KVDH005	84	86	10	40	4.00E-03	0.001
KVDH005	86	88	20	80	8.00E-03	2.00E-03
KVDH005	88	90	20	90	9.00E-03	2.00E-03
KVDH005	90	92	20	80	8.00E-03	2.00E-03

KVDH005	92	94	-10	30	0.003	-0.001
KVDH005	94	96	-10	20	2.00E-03	-0.001
KVDH005	96	98	-10	30	0.003	-0.001
KVDH005	98	100	-10	30	0.003	-0.001
KVDH005	100	102	-10	30	0.003	-0.001
KVDH005	102	104	-10	40	4.00E-03	-0.001
KVDH005	104	106	-10	50	5.00E-03	-0.001
KVDH005	106	108	-10	60	6.00E-03	-0.001
KVDH005	108	110	50	280	2.80E-02	5.00E-03
KVDH005	110	112	30	230	0.023	0.003
KVDH005	112	114	20	190	1.90E-02	2.00E-03
KVDH005	114	116	20	140	0.014	2.00E-03
KVDH005	116	117	10	260	2.60E-02	0.001
KVDH005	117	118	10	90	9.00E-03	0.001
KVDH005	118	119	20	200	0.02	2.00E-03
KVDH005	119	120	20	60	6.00E-03	2.00E-03
KVDH005	120	121	10	240	0.024	0.001
KVDH005	121	122	10	150	0.015	0.001
KVDH005	122	123	20	390	3.90E-02	2.00E-03
KVDH005	123	124	30	600	6.00E-02	0.003
KVDH005	124	125	10	300	3.00E-02	0.001
KVDH005	125	126	30	50	5.00E-03	0.003
KVDH005	126	127	20	30	0.003	2.00E-03
KVDH005	127	128	10	30	0.003	0.001
KVDH005	128	129	10	30	0.003	0.001
KVDH005	129	130	20	40	4.00E-03	2.00E-03
KVDH005	130	131	10	20	2.00E-03	0.001
KVDH005	131	132	40	50	5.00E-03	4.00E-03
KVDH005	132	133	10	20	2.00E-03	0.001
KVDH005	133	134	30	30	0.003	0.003
KVDH005	134	135	10	20	2.00E-03	0.001
KVDH005	135	136	20	50	5.00E-03	2.00E-03
KVDH005	136	137	30	40	4.00E-03	0.003
KVDH005	137	138	40	50	5.00E-03	4.00E-03
KVDH005	138	139	20	40	4.00E-03	2.00E-03
KVDH005	139	140	20	30	0.003	2.00E-03
KVDH005	140	141	30	40	4.00E-03	0.003
KVDH005	141	142	-10	10	0.001	-0.001
KVDH005	142	143	40	70	7.00E-03	4.00E-03
KVDH005	143	144	20	30	0.003	2.00E-03
KVDH005	144	145	10	60	6.00E-03	0.001
KVDH005	145	146	40	50	5.00E-03	4.00E-03
KVDH005	146	147	10	20	2.00E-03	0.001
KVDH005	147	148	30	50	5.00E-03	0.003
KVDH005	148	149	10	20	2.00E-03	0.001
KVDH005	149	150	40	50	5.00E-03	4.00E-03
KVDH005	150	151	20	20	2.00E-03	2.00E-03
KVDH005	151	152	50	70	7.00E-03	5.00E-03
KVDH005	152	153	50	250	0.025	5.00E-03
KVDH005	153	154	60	150	0.015	6.00E-03
KVDH005	154	155	40	90	9.00E-03	4.00E-03
KVDH005	155	156	70	350	0.035	7.00E-03
KVDH005	156	157	80	600	6.00E-02	8.00E-03
KVDH005	157	158	80	520	5.20E-02	8.00E-03
KVDH005	158	159	60	250	0.025	6.00E-03
KVDH005	159	160	40	210	0.021	4.00E-03
KVDH005	160	161	10	40	4.00E-03	0.001
KVDH005	161	162	60	220	0.022	6.00E-03
KVDH005	162	163	70	290	2.90E-02	7.00E-03
KVDH005	163	164	50	200	0.02	5.00E-03
KVDH005	164	165	50	60	6.00E-03	5.00E-03
KVDH005	165	166	70	80	8.00E-03	7.00E-03
KVDH005	166	167	60	120	0.012	6.00E-03

KVDH005	167	168	70	60	6.00E-03	7.00E-03
KVDH005	168	169	80	40	4.00E-03	8.00E-03
KVDH005	169	170	20	20	2.00E-03	2.00E-03
KVDH005	170	171	40	20	2.00E-03	4.00E-03
KVDH005	171	172	40	50	5.00E-03	4.00E-03
KVDH005	172	173	50	30	0.003	5.00E-03
KVDH005	173	174	50	40	4.00E-03	5.00E-03
KVDH005	174	175	60	20	2.00E-03	6.00E-03
KVDH005	175	176	30	20	2.00E-03	0.003
KVDH005	176	177	40	10	0.001	4.00E-03
KVDH005	177	178	10	10	0.001	0.001
KVDH005	178	179	80	110	0.011	8.00E-03
KVDH005	179	180	90	30	0.003	9.00E-03
KVDH005	180	181	70	40	4.00E-03	7.00E-03
KVDH005	181	182	60	20	2.00E-03	6.00E-03
KVDH005	182	183	90	30	0.003	9.00E-03
KVDH005	183	184	50	-10	-0.001	5.00E-03
KVDH005	184	185	60	-10	-0.001	6.00E-03
KVDH005	185	186	50	-10	-0.001	5.00E-03
KVDH005	186	187	30	-10	-0.001	0.003
KVDH005	187	188	30	-10	-0.001	0.003
KVDH005	188	189	50	-10	-0.001	5.00E-03
KVDH005	189	190	50	10	0.001	5.00E-03
KVDH005	190	191	20	20	2.00E-03	2.00E-03
KVDH005	191	192	50	10	0.001	5.00E-03
KVDH005	192	193	30	-10	-0.001	0.003
KVDH005	193	194	50	10	0.001	5.00E-03
KVDH005	194	195	40	10	0.001	4.00E-03
KVDH005	195	196	50	10	0.001	5.00E-03
KVDH005	196	197	20	-10	-0.001	2.00E-03
KVDH005	197	198	40	-10	-0.001	4.00E-03
KVDH005	198	199	50	60	6.00E-03	5.00E-03
KVDH005	199	200	30	10	0.001	0.003
KVDH005	200	201	50	-10	-0.001	5.00E-03
KVDH005	201	202	40	10	0.001	4.00E-03
KVDH005	202	203	40	60	6.00E-03	4.00E-03
KVDH005	203	204	40	40	4.00E-03	4.00E-03
KVDH005	204	205	50	10	0.001	5.00E-03
KVDH005	205	206	40	-10	-0.001	4.00E-03
KVDH005	206	207	20	-10	-0.001	2.00E-03
KVDH005	207	208	60	30	0.003	6.00E-03
KVDH005	208	209	50	20	2.00E-03	5.00E-03
KVDH005	209	210	60	10	0.001	6.00E-03
KVDH005	210	211	40	-10	-0.001	4.00E-03
KVDH005	211	212	60	-10	-0.001	6.00E-03
KVDH005	212	213	130	30	0.003	0.013
KVDH005	213	214	100	70	7.00E-03	1.00E-02
KVDH005	214	215	60	40	4.00E-03	6.00E-03
KVDH005	215	216	50	30	0.003	5.00E-03
KVDH005	216	217	40	90	9.00E-03	4.00E-03
KVDH005	217	218	70	50	5.00E-03	7.00E-03
KVDH005	218	219	50	30	0.003	5.00E-03
KVDH005	219	220	50	60	6.00E-03	5.00E-03
KVDH005	220	221	90	120	0.012	9.00E-03
KVDH005	221	222	100	50	5.00E-03	1.00E-02
KVDH005	222	223	70	10	0.001	7.00E-03
KVDH005	223	224	50	30	0.003	5.00E-03
KVDH005	224	225	90	30	0.003	9.00E-03
KVDH005	225	226	120	2200	0.22	0.012
KVDH005	226	227	60	30	0.003	6.00E-03
KVDH005	227	228	70	30	0.003	7.00E-03
KVDH005	228	229	70	30	0.003	7.00E-03
KVDH005	229	230	80	40	4.00E-03	8.00E-03

KVDH005	230	231	90	50	5.00E-03	9.00E-03
KVDH005	231	232.10001	80	40	4.00E-03	8.00E-03
KVDH005	232.60001	233	120	40	4.00E-03	0.012
KVDH005	233	234	100	80	8.00E-03	1.00E-02
KVDH005	234	235	150	70	7.00E-03	0.015
KVDH005	235	236	130	70	7.00E-03	0.013
KVDH005	236	237	180	100	1.00E-02	1.80E-02
KVDH005	237	238	110	70	7.00E-03	0.011
KVDH005	238	239	90	70	7.00E-03	9.00E-03
KVDH005	239	240	80	80	8.00E-03	8.00E-03
KVDH005	240	241	90	50	5.00E-03	9.00E-03
KVDH005	241	242	50	30	0.003	5.00E-03
KVDH005	242	243	80	50	5.00E-03	8.00E-03
KVDH005	243	244	60	40	4.00E-03	6.00E-03
KVDH005	244	246	50	60	6.00E-03	5.00E-03
KVDH005	246	248	50	40	4.00E-03	5.00E-03
KVDH005	248	250	70	40	4.00E-03	7.00E-03
KVDH005	250	252	60	50	5.00E-03	6.00E-03
KVDH005	252	254	40	50	5.00E-03	4.00E-03
KVDH005	254	256	40	30	0.003	4.00E-03
KVDH005	256	258	40	30	0.003	4.00E-03
KVDH005	258	260	60	30	0.003	6.00E-03
KVDH005	260	261.10001	50	1090	0.109	5.00E-03
KVDH005	262.60001	264	70	1190	0.119	7.00E-03
KVDH005	264	266	40	10	0.001	4.00E-03
KVDH005	266	268	30	10	0.001	0.003
KVDH005	268	270	30	10	0.001	0.003
KVDH005	270	272	40	50	5.00E-03	4.00E-03
KVDH005	272	274	40	40	4.00E-03	4.00E-03
KVDH005	274	276	30	30	0.003	0.003
KVDH005	276	278	60	60	6.00E-03	6.00E-03
KVDH005	278	280	40	30	0.003	4.00E-03
KVDH005	280	282	30	40	4.00E-03	0.003
KVDH005	282	284	20	20	2.00E-03	2.00E-03
KVDH005	284	285.60001	50	30	0.003	5.00E-03
KVDH006	0	2	290	930	9.30E-02	2.90E-02
KVDH006	2	4	480	1120	0.112	0.048
KVDH006	4	6	390	1190	0.119	3.90E-02
KVDH006	6	8	520	2040	0.204	5.20E-02
KVDH006	8	10	230	850	8.50E-02	0.023
KVDH006	10	12	730	2330	0.233	7.30E-02
KVDH006	12	14	2380	4600	0.46000001	0.23800001
KVDH006	14	16	480	1220	0.122	0.048
KVDH006	16	18	400	1320	0.132	4.00E-02
KVDH006	18	20	770	1880	0.18799999	0.077
KVDH006	20	22	1140	3600	0.36000001	0.114
KVDH006	22	24	890	8610	0.861	8.90E-02
KVDH006	24	26	880	3790	0.37900001	0.088
KVDH006	26	27	740	3610	0.361	7.40E-02
KVDH006	27	28	440	1960	0.19599999	0.044
KVDH006	28	29	60	260	2.60E-02	6.00E-03
KVDH006	29	30	40	210	0.021	4.00E-03
KVDH006	30	31	110	420	4.20E-02	0.011
KVDH006	33	34	1330	2410	0.241	0.133
KVDH006	34	35	1230	2660	0.266	0.123
KVDH006	35	36	640	2110	0.211	6.40E-02
KVDH006	36	37	320	1980	0.198	3.20E-02
KVDH006	37	38	790	2920	0.292	7.90E-02
KVDH006	38	39	1070	3430	0.34299999	0.107
KVDH006	39	40	830	3020	0.30199999	8.30E-02
KVDH006	40	41	390	1840	0.184	3.90E-02
KVDH006	41	42	1230	5290	0.52899998	0.123
KVDH006	42	43	210	2560	0.25600001	0.021

KVDH006	43	44	340	1960	0.19599999	3.40E-02
KVDH006	44	45	1110	5410	0.54100001	0.111
KVDH006	45	46	3010	14800	1.48	0.301
KVDH006	46	47	4260	18400	1.84	0.426
KVDH006	47	48	1570	8900	0.88999999	0.15700001
KVDH006	48	49	620	4020	0.40200001	6.20E-02
KVDH006	49	50	1340	9130	0.91299999	0.134
KVDH006	50	51	750	11350	1.135	7.50E-02
KVDH006	51	52	2550	36500	3.6500001	0.255
KVDH006	52	53	760	20400	2.04	7.60E-02
KVDH006	53	54	810	13750	1.375	0.081
KVDH006	54	55	1770	29100	2.9100001	0.177
KVDH006	55	56	1060	32700	3.27	0.106
KVDH006	56	57	1130	14150	1.415	0.113
KVDH006	57	58	1110	12950	1.295	0.111
KVDH006	58	59	1070	9800	0.98000002	0.107
KVDH006	59	60	1520	14250	1.425	0.152
KVDH006	62	63	10	790	7.90E-02	0.001
KVDH006	63	64	290	9080	0.90799999	2.90E-02
KVDH006	64	65	50	2940	0.294	5.00E-03
KVDH006	65	66	20	30	0.003	2.00E-03
KVDH006	66	67	280	9860	0.986	2.80E-02
TFRC026	0	1				
TFRC026	1	2				
TFRC026	3	4				
TFRC026	4	5	112	33700	3.3699999	0.0112
TFRC026	5	6	175	12300	1.23	0.0175
TFRC026	6	7	133	2350	0.235	0.0133
TFRC026	7	8	414	54600	5.46	0.0414
TFRC026	8	9	281	10150	1.015	2.81E-02
TFRC026	9	10	447	31300	3.1300001	0.0447
TFRC026	10	11	1460	44900	4.4899998	0.146
TFRC026	11	12	9380	67900	6.79	0.93800002
TFRC026	12	13		34700	3.47	
TFRC026	13	14		74500	7.4499998	
TFRC026	14	15		42300	4.23	
TFRC026	15	16		13950	1.395	
TFRC026	16	17		13050	1.3049999	
TFRC026	17	18				
TFRC026	18	19		12350	1.235	
TFRC026	19	20		30000	3	
TFRC026	20	21		16400	1.64	
TFRC026	21	22		12150	1.215	
TFRC026	22	26				
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TFRC026	27	28				
TFRC026	28	29				
TFRC026	29	30				
TFRC026	30	31				
TFRC026	31	32				
TFRC026	32	33				
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TFRC026	34	35				
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TFRC026	38	39				
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TFRC026	41	42				
TFRC026	42	43				
TFRC026	44	45				
TFRC026	45	46				
TFRC026	46	47		12650	1.265	

TFRC026	47	48	38000	3.8
TFRC026	48	49	23500	2.3499999
TFRC026	49	50	13200	1.3200001
TFRC026	50	52	12350	1.235
TFRC026	52	53	11000	1.1
TFRC026	53	54	26900	2.6900001
TFRC026	54	55	10250	1.025
TFRC026	55	56	35200	3.52
TFRC026	56	57	22600	2.26
TFRC026	57	58	17300	1.73
TFRC026	58	59	8550	0.85500002
TFRC026	59	60	11600	1.16
TFRC026	60	61	13200	1.3200001
TFRC026	61	62	6300	0.63
TFRC026	62	63		
TFRC026	63	64	5280	0.528
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TFRC026	65	66	4440	0.44400001
TFRC026	66	67	3520	0.352
TFRC026	67	68	5040	0.50400001
TFRC026	68	69		
TFRC026	69	70		
TFRC026	70	71		
TFRC026	71	72		
TFRC026	72	73		
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TFRC026	76	77		
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TFRC026	79	80	9200	0.92000002
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TFRC026	86	87	6910	0.69099998
TFRC026	87	88		
TFRC026	88	89		
TFRC026	89	90		
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TFRC029	66	67	45	181	1.81E-02	4.50E-03
TFRC029	67	71	33	29	0.0029	0.0033
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TFRC029	75	79	31	87	8.70E-03	3.10E-03
TFRC029	79	82	25	24	2.40E-03	2.50E-03
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TFRC029	87	88	55	1275	0.1275	0.0055
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TFRC029	89	91	54	733	7.33E-02	5.40E-03
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TFRC029	93	95	63	755	7.55E-02	0.0063
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TFRC029	97	99	50	640	6.40E-02	5.00E-03
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TFRC029	109	111	40	706	7.06E-02	4.00E-03
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TFRC029	163	167	53	83	8.30E-03	5.30E-03
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TFRC030	87	88	145	2110	0.211	0.0145
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TFRC030	89	90	73	360	3.60E-02	7.30E-03
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TFRC030	105	107	422	3970	0.39700001	4.22E-02
TFRC030	107	109	318	2310	0.23100001	3.18E-02
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TFRC030	111	113	295	2500	0.25	0.0295
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TFRC031	10	11	1900	41700	4.1700001	0.19
TFRC031	11	12	1270	25400	2.54	0.127
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TFRC031	14	15	1840	22700	2.27	0.184
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TFRC031	17	18	6620	101000	10.1	0.662
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TFRC031	23	24	340	75200	7.52	3.40E-02
TFRC031	24	25	340	41600	4.1599998	3.40E-02
TFRC031	25	26	290	37400	3.74	2.90E-02
TFRC031	26	27	260	31900	3.1900001	2.60E-02
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TFRC031	29	30	440	29000	2.9000001	0.044

TFRC031	30	31	270	14800	1.48	2.70E-02
TFRC031	31	32	5360	51900	5.1900001	0.53600001
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TFRC031	33	34	3150	38200	3.8199999	0.315
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TFRC031	41	42	180	41700	4.1700001	1.80E-02
TFRC031	42	43	100	7720	0.77200001	1.00E-02
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TFRC031	44	45	30	1820	0.182	0.003
TFRC031	45	46	90	6740	0.67400002	9.00E-03
TFRC031	46	47	200	31400	3.1400001	0.02
TFRC031	47	48	210	32600	3.26	0.021
TFRC031	48	49	600	25100	2.51	6.00E-02
TFRC031	49	50	3030	37000	3.7	0.303
TFRC031	50	51	700	23900	2.3900001	0.07
TFRC031	51	52	15850	58700	5.8699999	1.585
TFRC031	52	53	1540	34700	3.47	0.154
TFRC031	53	54	370	29000	2.9000001	0.037
TFRC031	54	55	130	22700	2.27	0.013
TFRC031	55	56	200	27600	2.76	0.02
TFRC031	56	57	290	21300	2.1300001	2.90E-02
TFRC031	57	58	540	20300	2.03	5.40E-02
TFRC031	58	60	2270	24800	2.48	0.227
TFRC031	60	62	1840	34900	3.49	0.184
TFRC031	62	64	500	20300	2.03	5.00E-02
TFRC031	64	65	1480	34000	3.4000001	0.148
TFRC031	65	66	970	37300	3.73	9.70E-02
TFRC031	66	67	270	15200	1.52	2.70E-02
TFRC031	67	68	220	12000	1.2	0.022
TFRC031	68	69	1340	37600	3.76	0.134
TFRC031	69	70	610	17500	1.75	6.10E-02
TFRC031	70	71	2380	18600	1.86	0.23800001
TFRC031	71	72	650	17800	1.78	6.50E-02
TFRC031	72	73	1830	63800	6.3800001	0.183
TFRC031	73	74	1920	107500	10.75	0.192
TFRC031	74	75	140	19300	1.9299999	0.014
TFRC031	75	76	1590	112000	11.2	0.15899999
TFRC031	76	77	1560	108500	10.85	0.156
TFRC031	77	78	1110	199500	19.950001	0.111
TFRC031	78	79	1060	90200	9.0200005	0.106
TFRC031	79	80	1020	138500	13.85	0.102
TFRC031	80	81	4020	113000	11.3	0.40200001
TFRC031	81	82	2120	126000	12.6	0.212
TFRC031	82	83	1470	57500	5.75	0.147
TFRC031	83	84	940	47900	4.79	9.40E-02
TFRC031	84	85	330	3870	0.38699999	0.033
TFRC031	85	86	80	2540	0.25400001	8.00E-03
TFRC031	86	87	1060	39000	3.9000001	0.106
TFRC031	87	88	240	9580	0.958	0.024
TFRC031	88	89	270	18100	1.8099999	2.70E-02
TFRC031	89	90	380	25100	2.51	3.80E-02
TFRC031	90	91	460	14000	1.4	0.046
TFRC031	91	92	1040	34800	3.48	0.104
TFRC031	92	93	700	34100	3.4100001	0.07
TFRC031	93	94	880	26000	2.5999999	0.088
TFRC031	94	95	980	20700	2.0699999	9.80E-02
TFRC031	95	96	980	24000	2.4000001	9.80E-02

TFRC031	96	97	970	78600	7.8600001	9.70E-02
TFRC031	97	98	1030	28400	2.8399999	0.103
TFRC031	98	99	1690	64300	6.4299998	0.169
TFRC031	99	100	5200	157000	15.7	0.51999998
TFRC031	100	101	4970	150500	15.05	0.49700001
TFRC031	101	102	3270	185000	18.5	0.32699999
TFRC031	102	103	3290	144000	14.4	0.329
TFRC031	103	104	1890	127000	12.7	0.189
TFRC031	104	105	1290	91200	9.1199999	0.12899999
TFRC031	105	106	9900	211000	21.1	0.99000001
TFRC031	106	107	1950	148500	14.85	0.19499999
TFRC031	107	108	2500	69500	6.9499998	0.25
TFRC031	108	109	11050	142000	14.2	1.105
TFRC031	109	110	1140	80100	8.0100002	0.114
TFRC031	110	111	8900	167500	16.75	0.88999999
TFRC031	111	112	7700	77300	7.73	0.76999998
TFRC031	112	113	4320	54600	5.46	0.43200001
TFRC031	113	114	4520	60900	6.0900002	0.45199999
TFRC031	114	115	4400	82700	8.2700005	0.44
TFRC031	115	116	4450	70000	7	0.44499999
TFRC031	116	117	8640	146000	14.6	0.86400002
TFRC031	117	118	4150	70000	7	0.41499999
TFRC031	118	119	4470	31700	3.1700001	0.447
TFRC031	119	120	5160	55600	5.5599999	0.51599997
TFRC031	120	121	9990	79800	7.98	0.99900001
TFRC031	121	122	8730	60800	6.0799999	0.87300003
TFRC031	122	123	6240	33000	3.3	0.62400001
TFRC031	123	124	3560	9940	0.99400002	0.35600001
TFRC031	124	125	6790	9560	0.95599997	0.67900002
TFRC031	125	127	6090	7170	0.71700001	0.60900003
TFRC031	127	129	14150	10700	1.0700001	1.415
TFRC031	129	131	5290	3850	0.38499999	0.52899998
TFRC031	131	133	8600	11000	1.1	0.86000001
TFRC031	133	135	5270	14900	1.49	0.52700001
TFRC031	135	137	4160	7830	0.78299999	0.41600001
TFRC031	137	139	2830	5350	0.53500003	0.28299999
TFRC031	139	141	3410	2510	0.25099999	0.34099999
TFRC031	141	143	2930	2950	0.29499999	0.29300001
TFRC031	143	145	7000	840	8.40E-02	0.69999999
TFRC031	145	147	3700	3760	0.37599999	0.37
TFRC031	147	149	3850	29100	2.9100001	0.38499999
TFRC031	149	151	2620	25000	2.5	0.26199999
TFRC031	151	153	1890	8290	0.829	0.189
TFRC031	153	157	4010	23900	2.3900001	0.40099999
TFRC031	157	161	2670	17500	1.75	0.26699999
TFRC032	1	5	570	2300	0.23	0.057
TFRC032	5	9	1850	3770	0.377	0.185
TFRC032	9	10	3040	5420	0.542	0.30399999
TFRC032	10	11	1720	8370	0.83700001	0.17200001
TFRC032	11	12	1220	3480	0.34799999	0.122
TFRC032	12	13	2730	19200	1.92	0.273
TFRC032	13	14	2360	13150	1.3150001	0.236
TFRC032	14	15	3300	10100	1.01	0.33000001
TFRC032	15	16	2810	37800	3.78	0.28099999
TFRC032	16	17	4110	14200	1.42	0.41100001
TFRC032	17	18	3050	25700	2.5699999	0.30500001
TFRC032	18	19	2880	19350	1.9349999	0.28799999
TFRC032	19	20	2650	7030	0.70300001	0.26499999
TFRC032	20	21	3110	6060	0.60600001	0.31099999
TFRC032	21	22	2880	4600	0.46000001	0.28799999
TFRC032	22	23	7090	28500	2.8499999	0.70899999
TFRC032	23	24	3200	44800	4.48	0.31999999
TFRC032	24	25	1340	4890	0.48899999	0.134

TFRC032	25	26	1450	7930	0.79299998	0.145
TFRC032	26	27	1210	4250	0.42500001	0.121
TFRC032	27	28	2910	9520	0.95200002	0.29100001
TFRC032	28	29	2130	8680	0.86799997	0.213
TFRC032	29	30	1630	5200	0.51999998	0.163
TFRC032	30	31	2450	8470	0.847	0.245
TFRC032	31	32	9880	52800	5.2800002	0.98799998
TFRC032	32	33	14200	61600	6.1599998	1.42
TFRC032	33	34	12750	22100	2.21	1.275
TFRC032	34	35	4800	30600	3.0599999	0.47999999
TFRC032	35	36	20600	55700	5.5700002	2.0599999
TFRC032	36	37	7620	32900	3.29	0.76200002
TFRC032A	0	1	840	4060	0.40599999	8.40E-02
TFRC032A	1	2	410	1950	0.19499999	4.10E-02
TFRC032A	2	3	300	2590	0.259	3.00E-02
TFRC032A	3	4	1150	41500	4.1500001	0.115
TFRC032A	4	5	1350	66100	6.6100001	0.13500001
TFRC032A	5	6	190	5810	0.58099997	1.90E-02
TFRC032A	6	7	1660	18050	1.8049999	0.16599999
TFRC032A	7	8	1110	16400	1.64	0.111
TFRC032A	8	9	580	22900	2.29	5.80E-02
TFRC032A	9	10	1650	33700	3.3699999	0.16500001
TFRC032A	10	11	890	22900	2.29	8.90E-02
TFRC032A	11	12	2280	29900	2.99	0.228
TFRC032A	12	13	1460	13300	1.33	0.146
TFRC032A	13	14	1240	15900	1.59	0.124
TFRC032A	14	15	3380	21000	2.0999999	0.338
TFRC032A	15	16	9980	31200	3.1199999	0.99800003
TFRC032A	16	17	2780	13050	1.3049999	0.278
TFRC032A	17	18	11400	25700	2.5699999	1.14
TFRC032A	18	19	7580	18100	1.8099999	0.75800002
TFRC032A	19	20	2540	6530	0.653	0.25400001
TFRC032A	20	21	4020	12150	1.215	0.40200001
TFRC032A	21	22	5330	25100	2.51	0.53299999
TFRC032A	22	23	5930	18050	1.8049999	0.59299999
TFRC032A	23	24	4240	18100	1.8099999	0.42399999
TFRC032A	24	25	3630	24600	2.46	0.36300001
TFRC032A	25	26	2190	11900	1.1900001	0.219
TFRC032A	26	27	900	13700	1.37	9.00E-02
TFRC032A	27	28	500	4740	0.47400001	5.00E-02
TFRC032A	28	29	980	7080	0.708	9.80E-02
TFRC032A	29	30	760	7040	0.704	7.60E-02
TFRC032A	30	31	630	3660	0.366	6.30E-02
TFRC032A	31	32	790	4670	0.46700001	7.90E-02
TFRC032A	32	33	11050	51600	5.1599998	1.105
TFRC032A	33	34	4300	39600	3.96	0.43000001
TFRC032A	34	35	7270	35500	3.55	0.727
TFRC032A	35	36	5610	30600	3.0599999	0.56099999
TFRC032A	36	37	5330	52800	5.2800002	0.53299999
TFRC032A	37	38	1460	44000	4.4000001	0.146
TFRC032A	38	39	1240	57300	5.73	0.124
TFRC032A	39	40	330	3800	0.38	0.033
TFRC032A	40	41	220	3930	0.39300001	0.022
TFRC032A	41	42	310	6220	0.62199998	3.10E-02
TFRC032A	42	43	50	30100	3.01	5.00E-03
TFRC032A	43	44	40	30000	3	4.00E-03
TFRC032A	44	45	2460	7150	0.71499997	0.24600001
TFRC032A	45	46	130	5640	0.56400001	0.013
TFRC032A	46	47	1720	3610	0.361	0.17200001
TFRC032A	47	48	200	1120	0.112	0.02
TFRC032A	48	49	110	840	8.40E-02	0.011
TFRC032A	49	50	6790	2420	0.242	0.67900002
TFRC032A	50	51	2500	1490	0.149	0.25

TFRC032A	51	53	350	1440	0.14399999	0.035
TFRC032A	53	55	1330	2430	0.243	0.133
TFRC032A	55	57	1200	3820	0.382	0.12
TFRC032A	57	59	360	3000	0.30000001	3.60E-02
TFRC032A	59	60	530	2410	0.241	5.30E-02
TFRC032A	60	61	6260	16700	1.67	0.62599999
TFRC032A	61	63	990	10200	1.02	9.90E-02
TFRC032A	63	65	990	6770	0.67699999	9.90E-02
TFRC032A	65	68	1730	4100	0.41	0.17299999
TFRC032A	68	71	740	2480	0.248	7.40E-02
TFRC032A	71	74	860	3290	0.329	8.60E-02
TFRC032A	74	77	260	1600	0.16	2.60E-02
TFRC032A	77	78	510	3470	0.347	5.10E-02
TFRC032A	78	79				
TFRC032A	79	80	890	4620	0.46200001	8.90E-02
TFRC032A	80	82	2270	11100	1.11	0.227
TFRC032A	82	84	1250	6250	0.625	0.125
TFRC032A	84	85	950	5330	0.53299999	9.50E-02
TFRC032A	85	86	1430	9960	0.99599999	0.14300001
TFRC032A	86	87	5350	27000	2.7	0.53500003
TFRC032A	87	88	1430	17100	1.71	0.14300001
TFRC032A	88	89	920	11600	1.16	0.092
TFRC032A	89	90	590	9950	0.995	0.059
TFRC032A	90	91	510	5460	0.546	5.10E-02
TFRC032A	91	92	2050	19000	1.9	0.205
TFRC032A	92	93	1310	19350	1.9349999	0.131
TFRC032A	93	94	260	4880	0.48800001	2.60E-02
TFRC032A	94	95	770	13800	1.38	0.077
TFRC032A	95	96	400	22300	2.23	4.00E-02
TFRC032A	96	97	1420	63100	6.3099999	0.142
TFRC032A	97	98	300	38800	3.8800001	3.00E-02
TFRC032A	98	99	250	72000	7.1999998	0.025
TFRC032A	99	100	360	73800	7.3800001	3.60E-02
TFRC032A	100	101	330	74300	7.4299998	0.033
TFRC032A	101	102	1020	77400	7.7399998	0.102
TFRC032A	102	103	140	52200	5.2199998	0.014
TFRC032A	103	104	1920	51000	5.0999999	0.192
TFRC032A	104	105	1340	61000	6.0999999	0.134
TFRC032A	105	106	990	83300	8.3299999	9.90E-02
TFRC032A	106	107	1920	114500	11.45	0.192
TFRC032A	107	108	1410	44200	4.4200001	0.141
TFRC032A	108	109	390	47300	4.73	3.90E-02
TFRC032A	109	110	200	28500	2.8499999	0.02
TFRC032A	110	111	3150	119500	11.95	0.315
TFRC032A	111	112	370	56100	5.6100001	0.037
TFRC032A	112	113	2710	77300	7.73	0.271
TFRC032A	113	114	1540	103500	10.35	0.154
TFRC032A	114	115	4500	121500	12.15	0.44999999
TFRC032A	115	116	970	121000	12.1	9.70E-02
TFRC032A	116	117	2290	103000	10.3	0.229
TFRC032A	117	118	5420	71100	7.1100001	0.542
TFRC032A	118	119	2770	39200	3.9200001	0.27700001
TFRC032A	119	120	2700	19600	1.96	0.27000001
TFRC032A	120	121	3750	17800	1.78	0.375
TFRC032A	121	122	3750	24100	2.4100001	0.375
TFRC032A	122	123	6270	40700	4.0700002	0.62699997
TFRC032A	123	124	4330	59600	5.96	0.433
TFRC032A	124	125	5040	91500	9.1499996	0.50400001
TFRC032A	125	126	2320	98600	9.8599997	0.23199999
TFRC032A	126	127	1550	23000	2.3	0.155
TFRC032A	127	128	5670	64700	6.4699998	0.56699997
TFRC032A	128	129	4030	74900	7.4899998	0.403
TFRC032A	129	130	3530	50500	5.0500002	0.35299999

TFRC032A	130	131	1770	24100	2.4100001	0.177
TFRC032A	131	132	2380	29300	2.9300001	0.23800001
TFRC032A	132	133	1040	69600	6.96	0.104
TFRC032A	133	134	1690	64500	6.4499998	0.169
TFRC032A	134	135	650	26700	2.6700001	6.50E-02
TFRC032A	135	136	1830	32100	3.21	0.183
TFRC032A	136	137	820	45900	4.5900002	8.20E-02
TFRC032A	137	138	1870	50200	5.02	0.18700001
TFRC032A	138	139	480	30200	3.02	0.048
TFRC032A	139	140	390	21000	2.0999999	3.90E-02
TFRC032A	140	141	1280	39700	3.97	0.12800001
TFRC032A	141	142	4020	43800	4.3800001	0.40200001
TFRC032A	142	143	2360	18700	1.87	0.236
TFRC032A	143	144	7480	28600	2.8599999	0.74800003
TFRC032A	144	145	2020	47900	4.79	0.20200001
TFRC032A	145	146	4130	32500	3.25	0.41299999
TFRC032A	146	147	4520	47300	4.73	0.45199999
TFRC032A	147	148	6130	66000	6.5999999	0.61299998
TFRC032A	148	149	1860	23800	2.3800001	0.186
TFRC032A	149	150	1890	46300	4.6300001	0.189
TFRC033	1	2	430	123500	12.35	4.30E-02
TFRC033	2	3	2620	91500	9.1499996	0.26199999
TFRC033	3	4	3670	46800	4.6799998	0.36700001
TFRC033	4	5	2460	42700	4.27	0.24600001
TFRC033	5	6	4450	39600	3.96	0.44499999
TFRC033	6	7	4420	60500	6.0500002	0.442
TFRC033	7	8	3210	75300	7.5300002	0.32100001
TFRC033	8	9	5770	85700	8.5699997	0.57700002
TFRC033	9	10	1650	84000	8.3999996	0.16500001
TFRC033	10	11	4250	87300	8.7299995	0.42500001
TFRC033	11	12	2720	63000	6.3000002	0.27200001
TFRC033	12	13	970	58000	5.8000002	9.70E-02
TFRC033	13	14	3640	42900	4.29	0.36399999
TFRC033	14	15	3810	52300	5.23	0.38100001
TFRC033	15	16	3730	43300	4.3299999	0.373
TFRC033	16	17	3060	50700	5.0700002	0.30599999
TFRC033	17	18	1900	38200	3.8199999	0.19
TFRC033	18	19	3910	59400	5.9400001	0.391
TFRC033	19	20	3530	62400	6.2399998	0.35299999
TFRC033	20	21	2280	50200	5.02	0.228
TFRC033	21	22	3330	80600	8.0600004	0.333
TFRC033	22	23	5130	153500	15.35	0.51300001
TFRC033	23	24	7290	133000	13.3	0.72899997
TFRC033	24	25	8400	67200	6.7199998	0.83999997
TFRC033	25	26	7950	80400	8.04	0.79500002
TFRC033	26	27	3590	106000	10.6	0.359
TFRC033	27	28	4440	62900	6.29	0.44400001
TFRC033	28	29	14050	141500	14.15	1.405
TFRC033	29	30	8420	56800	5.6799998	0.84200001
TFRC033	30	31	7280	68100	6.8099999	0.72799999
TFRC033	31	32	2840	70700	7.0700002	0.28400001
TFRC033	32	33	3100	52500	5.25	0.31
TFRC033	33	34	1630	124000	12.4	0.163
TFRC033	34	35	1060	119000	11.9	0.106
TFRC033	35	36	1260	121000	12.1	0.126
TFRC033	36	37	1690	67800	6.7800002	0.169
TFRC033	37	38	1160	87700	8.7700005	0.116
TFRC033	38	39	1200	121500	12.15	0.12
TFRC033	39	40	1300	86700	8.6700001	0.13
TFRC033	40	41	1110	66600	6.6599998	0.111
TFRC033	41	42	1210	54300	5.4299998	0.121
TFRC033	42	43	1040	68300	6.8299999	0.104
TFRC033	43	44	930	52100	5.21	9.30E-02

TFRC033	44	45	820	51200	5.1199999	8.20E-02
TFRC033	45	46	780	57900	5.79	7.80E-02
TFRC033	46	47	1640	100500	10.05	0.164
TFRC033	47	48	2960	44200	4.4200001	0.296
TFRC033	48	49	1930	17500	1.75	0.193
TFRC033	49	51	3300	28300	2.8299999	0.33000001
TFRC033	51	53	3640	33300	3.3299999	0.36399999
TFRC033	53	55	6120	29600	2.96	0.61199999
TFRC033	55	57	3340	45300	4.5300002	0.33399999
TFRC033	57	59	2230	32000	3.2	0.223
TFRC033	59	60	2400	41200	4.1199999	0.23999999
TFRC033	60	61	3260	36700	3.6700001	0.32600001
TFRC033	61	63	1070	46500	4.6500001	0.107
TFRC033	63	65	1440	38400	3.8399999	0.14399999
TFRC033	65	67	4210	33300	3.3299999	0.421
TFRC033	67	68	1750	33300	3.3299999	0.175
TFRC033	68	69	480	22400	2.24	0.048
TFRC033	69	70	3500	69300	6.9299998	0.34999999
TFRC033	70	71	5070	51100	5.1100001	0.50700003
TFRC033	71	72	1540	89000	8.8999996	0.154
TFRC033	72	73	1300	83200	8.3199997	0.13
TFRC033	73	74	1140	72400	7.2399998	0.114
TFRC033	74	75	1160	71800	7.1799998	0.116
TFRC033	75	76	2850	111000	11.1	0.285
TFRC033	76	77	4840	33700	3.3699999	0.484
TFRC033	77	78	2680	63500	6.3499999	0.26800001
TFRC033	78	79	1510	120500	12.05	0.15099999
TFRC033	79	80	1660	143500	14.35	0.16599999
TFRC033	80	81	1610	115500	11.55	0.161
TFRC033	81	82	840	25600	2.5599999	8.40E-02
TFRC033	82	83	490	9880	0.98799998	4.90E-02
TFRC033	83	84	4830	47600	4.7600002	0.48300001
TFRC033	84	85	450	20600	2.0599999	4.50E-02
TFRC033	85	86	1730	139500	13.95	0.17299999
TFRC033	86	87	2890	110000	11	0.289
TFRC033	87	88	1830	96500	9.6499996	0.183
TFRC033	88	89	2330	128000	12.8	0.233
TFRC033	89	90	1670	86600	8.6599998	0.167
TFRC033	90	91	3150	119500	11.95	0.315
TFRC033	91	92	4120	96800	9.6800003	0.412
TFRC033	92	93	2790	61700	6.1700001	0.27900001
TFRC033	93	94	1750	55400	5.54	0.175
TFRC033	94	95	2110	80200	8.0200005	0.211
TFRC033	95	96	1450	38800	3.8800001	0.145
TFRC033	96	97	1600	52100	5.21	0.16
TFRC033	97	98	1160	126500	12.65	0.116
TFRC033	98	99	1090	67900	6.79	0.109
TFRC033	99	100	1420	62500	6.25	0.142
TFRC033	100	101	2710	92100	9.21	0.271
TFRC033	101	102	780	55500	5.5500002	7.80E-02
TFRC033	102	103	340	33400	3.3399999	3.40E-02
TFRC033	103	104	1820	99100	9.9099998	0.182
TFRC033	104	105	1450	81900	8.1899996	0.145
TFRC033	105	106	660	17100	1.71	0.066
TFRC033	106	107	860	20900	2.0899999	8.60E-02
TFRC033	107	108	500	40700	4.0700002	5.00E-02
TFRC033	108	109	1880	92000	9.1999998	0.18799999
TFRC033	109	110	1940	35400	3.54	0.19400001
TFRC033	110	111	1300	44000	4.4000001	0.13
TFRC033	111	112	1510	47400	4.7399998	0.15099999
TFRC033	112	113	3160	87100	8.71	0.31600001
TFRC033	113	114	1330	46200	4.6199999	0.133
TFRC033	114	115	1510	45100	4.5100002	0.15099999

TFRC033	115	116	950	27700	2.77	9.50E-02
TFRC033	116	117	500	25700	2.5699999	5.00E-02
TFRC033	117	118	1340	53700	5.3699999	0.134
TFRC033	118	119	1080	26000	2.5999999	0.108
TFRC033	119	120	7810	77900	7.79	0.78100002
TFRC033	120	121	5640	60400	6.04	0.56400001
TFRC033	121	122	4400	63300	6.3299999	0.44
TFRC033	122	123	5690	12500	1.25	0.56900001
TFRC033	123	124	4770	30000	3	0.477
TFRC033	124	125	3220	50700	5.0700002	0.322
TFRC033	125	126	25900	34600	3.46	2.5899999
TFRC033	126	127	16550	12400	1.24	1.655
TFRC033	127	129	4450	44400	4.4400001	0.44499999
TFRC033	129	130	1540	18100	1.8099999	0.154
TFRC033	130	133	2610	2740	0.27399999	0.26100001
TFRC033	133	136	3190	5060	0.50599998	0.31900001
TFRC033	136	138	2880	86400	8.6400003	0.28799999
TFRC033	138	141	2960	58900	5.8899999	0.296
TFRC034	2	6	330	1900	0.19	0.033
TFRC034	6	10	250	1160	0.116	0.025
TFRC034	10	14	170	370	0.037	1.70E-02
TFRC034	14	18	160	140	0.014	1.60E-02
TFRC034	18	22	40	300	3.00E-02	4.00E-03
TFRC034	22	26	30	150	0.015	0.003
TFRC034	26	30	-10	380	3.80E-02	-0.001
TFRC034	30	34	1630	2650	0.26499999	0.163
TFRC034	34	38	10	380	3.80E-02	0.001
TFRC034	38	42	-10	530	5.30E-02	-0.001
TFRC034	42	46	-10	50	5.00E-03	-0.001
TFRC034	46	50	-10	40	4.00E-03	-0.001
TFRC034	50	54	-10	30	0.003	-0.001
TFRC034	54	58	-10	20	2.00E-03	-0.001
TFRC034	58	62	-10	110	0.011	-0.001
TFRC034	62	66	-10	20	2.00E-03	-0.001
TFRC034	66	70	-10	40	4.00E-03	-0.001
TFRC034	70	74	-10	60	6.00E-03	-0.001
TFRC034	74	78	-10	30	0.003	-0.001
TFRC034	78	81	-10	90	9.00E-03	-0.001
TFRC034	81	84	-10	40	4.00E-03	-0.001
TFRC035	0	4	2580	4650	0.465	0.25799999
TFRC035	4	8	660	4150	0.41499999	0.066
TFRC035	8	12	380	1020	0.102	3.80E-02
TFRC035	12	16	240	290	2.90E-02	0.024
TFRC035	16	20	590	770	0.077	0.059
TFRC035	20	24	2440	1160	0.116	0.244
TFRC035	24	28	130	150	0.015	0.013
TFRC035	28	32	50	50	5.00E-03	5.00E-03
TFRC035	32	36	20	40	4.00E-03	2.00E-03
TFRC035	36	40	10	20	2.00E-03	0.001
TFRC035	40	44	10	30	0.003	0.001
TFRC035	44	47	20	30	0.003	2.00E-03
TFRC035	47	50	10	40	4.00E-03	0.001
TFRC036	1	3	100	1100	0.11	1.00E-02
TFRC036	3	5	130	3240	0.324	0.013
TFRC036	5	6	170	32200	3.22	1.70E-02
TFRC036	6	7	210	16500	1.65	0.021
TFRC036	7	8	230	32000	3.2	0.023
TFRC036	8	9	220	59900	5.9899998	0.022
TFRC036	9	10	280	32000	3.2	2.80E-02
TFRC036	10	11	1070	29700	2.97	0.107
TFRC036	11	12	1290	26900	2.6900001	0.12899999
TFRC036	12	13	1100	40700	4.0700002	0.11
TFRC036	13	14	940	14400	1.4400001	9.40E-02

TFRC036	14	15	4410	33300	3.3299999	0.44100001
TFRC036	15	16	8780	63400	6.3400002	0.87800002
TFRC036	16	17	10350	133000	13.3	1.035
TFRC036	17	21	7330	29100	2.9100001	0.73299998
TFRC036	21	25	4620	3970	0.39700001	0.46200001
TFRC036	25	29	4300	4060	0.40599999	0.43000001
TFRC036	29	33	4180	4530	0.45300001	0.41800001
TFRC036	33	37	4120	4280	0.428	0.412
TFRC036	37	41	1720	3930	0.39300001	0.17200001
TFRC036	41	45	580	1360	0.13600001	5.80E-02
TFRC036	45	49	80	120	0.012	8.00E-03
TFRC036	49	53	160	50	5.00E-03	1.60E-02
TFRC036	53	57	60	200	0.02	6.00E-03
TFRC036	57	61	20	30	0.003	2.00E-03
TFRC036	61	65	20	20	2.00E-03	2.00E-03
TFRC036	65	69	50	110	0.011	5.00E-03
TFRC036	69	73	40	100	1.00E-02	4.00E-03
TFRC036	73	77	10	20	2.00E-03	0.001
TFRC036	77	81	20	60	6.00E-03	2.00E-03
TFRC036	81	85	20	20	2.00E-03	2.00E-03
TFRC036	85	89	50	130	0.013	5.00E-03
TFRC036	89	93	20	20	2.00E-03	2.00E-03
TFRC036	93	97	30	40	4.00E-03	0.003
TFRC036	97	101	30	40	4.00E-03	0.003
TFRC036	101	105	20	20	2.00E-03	2.00E-03
TFRC036	105	109	10	50	5.00E-03	0.001
TFRC036	109	112	30	100	1.00E-02	0.003
TFRC036	112	115	20	20	2.00E-03	2.00E-03
TFRC036	115	118	30	70	7.00E-03	0.003
TFRC036	118	120	20	-10	-0.001	2.00E-03
TFRC037	0	4	5020	1930	0.193	0.50199997
TFRC037	4	8	5160	1350	0.13500001	0.51599997
TFRC037	8	12	5520	1390	0.139	0.55199999
TFRC037	12	16	4580	1480	0.148	0.458
TFRC037	16	20	3460	1430	0.14300001	0.34599999
TFRC037	20	24	3080	1320	0.132	0.308
TFRC037	24	28	1620	1770	0.177	0.162
TFRC037	28	32	2230	3810	0.38100001	0.223
TFRC037	32	36	1460	2230	0.223	0.146
TFRC037	36	40	110	120	0.012	0.011
TFRC037	40	44	40	10	0.001	4.00E-03
TFRC037	44	48	20	-10	-0.001	2.00E-03
TFRC037	48	52	40	150	0.015	4.00E-03
TFRC037	52	55	90	50	5.00E-03	9.00E-03
TFRC038	1	5	500	4770	0.477	5.00E-02
TFRC038	5	9	240	4000	0.40000001	0.024
TFRC038	9	13	380	4960	0.49599999	3.80E-02
TFRC038	13	17	270	2650	0.26499999	2.70E-02
TFRC038	17	21	350	1720	0.17200001	0.035
TFRC038	21	25	410	2950	0.29499999	4.10E-02
TFRC038	25	29	480	2420	0.242	0.048
TFRC038	29	33	90	460	0.046	9.00E-03
TFRC038	33	37	30	390	3.90E-02	0.003
TFRC038	37	38	30	360	3.60E-02	0.003
TFRC038	41	44	60	540	5.40E-02	6.00E-03
TFRC039	1	5	80	3660	0.366	8.00E-03
TFRC039	5	9	70	6420	0.64200002	7.00E-03
TFRC039	9	13	80	9000	0.89999998	8.00E-03
TFRC039	13	17	50	9970	0.99699998	5.00E-03
TFRC039	17	21	40	2140	0.214	4.00E-03
TFRC039	21	25	70	680	6.80E-02	7.00E-03
TFRC039	25	29	30	190	1.90E-02	0.003
TFRC039	29	33	30	230	0.023	0.003

TFRC039	33	37	20	190	1.90E-02	2.00E-03
TFRC039	37	41	20	30	0.003	2.00E-03
TFRC039	41	45	10	40	4.00E-03	0.001
TFRC039	45	49	20	30	0.003	2.00E-03
TFRC039	49	53	30	20	2.00E-03	0.003
TFRC039	53	57	30	40	4.00E-03	0.003
TFRC039	57	60	20	20	2.00E-03	2.00E-03
TFRC040	0	4	60	510	5.10E-02	6.00E-03
TFRC040	4	8	60	2120	0.212	6.00E-03
TFRC040	8	12	50	5190	0.51899999	5.00E-03
TFRC040	12	16	60	8320	0.83200002	6.00E-03
TFRC040	16	20	30	2300	0.23	0.003
TFRC040	20	24	30	700	0.07	0.003
TFRC040	24	28	20	560	5.60E-02	2.00E-03
TFRC040	28	32	30	140	0.014	0.003
TFRC040	32	36	20	30	0.003	2.00E-03
TFRC040	36	40	10	30	0.003	0.001
TFRC040	40	44	20	30	0.003	2.00E-03
TFRC040	44	48	20	30	0.003	2.00E-03
TFRC040	48	52	30	850	8.50E-02	0.003
TFRC040	52	56	20	20	2.00E-03	2.00E-03
TFRC040	56	60	20	200	0.02	2.00E-03
TFRC041	0	4	180	710	7.10E-02	1.80E-02
TFRC041	4	7	30	500	5.00E-02	0.003
TFRC041	7	8	20	1600	0.16	2.00E-03
TFRC041	8	9	20	1500	0.15000001	2.00E-03
TFRC041	9	10	10	1540	0.154	0.001
TFRC041	10	11	40	9540	0.954	4.00E-03
TFRC041	11	12	20	7520	0.75199997	2.00E-03
TFRC041	12	13	50	5650	0.565	5.00E-03
TFRC041	13	14	40	6750	0.67500001	4.00E-03
TFRC041	14	18	20	4030	0.403	2.00E-03
TFRC041	18	22	20	5980	0.59799999	2.00E-03
TFRC041	22	26	20	1420	0.142	2.00E-03
TFRC041	26	30	10	500	5.00E-02	0.001
TFRC041	30	34	30	560	5.60E-02	0.003
TFRC041	34	38	20	70	7.00E-03	2.00E-03
TFRC041	38	42	10	40	4.00E-03	0.001
TFRC041	42	46	20	60	6.00E-03	2.00E-03
TFRC041	46	49	30	170	1.70E-02	0.003
TFRC041	49	52	40	80	8.00E-03	4.00E-03
TFRC041	52	55	20	490	4.90E-02	2.00E-03
TFRC042	2	6	450	850	8.50E-02	4.50E-02
TFRC042	6	10	430	1100	0.11	4.30E-02
TFRC042	10	14	1520	7260	0.72600001	0.152
TFRC042	14	18	1140	6850	0.685	0.114
TFRC042	18	21	950	5290	0.52899998	9.50E-02
TFRC042	21	22	1660	7930	0.79299998	0.16599999
TFRC042	22	23	50	180	1.80E-02	5.00E-03
TFRC042	23	24	440	3290	0.329	0.044
TFRC042	24	25	230	3600	0.36000001	0.023
TFRC042	25	26	320	2910	0.29100001	3.20E-02
TFRC042	26	27	220	910	9.10E-02	0.022
TFRC042	27	31	540	2280	0.228	5.40E-02
TFRC042	31	35	840	3000	0.30000001	8.40E-02
TFRC042	35	39	1600	5780	0.57800001	0.16
TFRC042	39	43	600	3390	0.33899999	6.00E-02
TFRC042	43	47	450	1420	0.142	4.50E-02
TFRC042	47	51	310	1470	0.147	3.10E-02
TFRC042	51	55	140	640	6.40E-02	0.014
TFRC042	55	59	70	410	4.10E-02	7.00E-03
TFRC042	59	63	50	150	0.015	5.00E-03
TFRC042	63	67	110	530	5.30E-02	0.011

TFRC042	67	71	40	170	1.70E-02	4.00E-03
TFRC042	71	75	30	100	1.00E-02	0.003
TFRC042	75	79	30	90	9.00E-03	0.003
TFRC042	79	83	30	50	5.00E-03	0.003
TFRC042	83	87	50	160	1.60E-02	5.00E-03
TFRC042	87	91	20	90	9.00E-03	2.00E-03
TFRC042	91	95	10	70	7.00E-03	0.001
TFRC042	95	99	20	90	9.00E-03	2.00E-03
TFRC042	99	103	20	60	6.00E-03	2.00E-03
TFRC042	103	107	30	130	0.013	0.003
TFRC042	107	111	20	100	1.00E-02	2.00E-03
TFRC043	0	4	260	880	0.088	2.60E-02
TFRC043	4	8	100	490	4.90E-02	1.00E-02
TFRC043	8	12	30	240	0.024	0.003
TFRC043	12	16	40	230	0.023	4.00E-03
TFRC043	16	20	70	470	4.70E-02	7.00E-03
TFRC043	20	24	20	140	0.014	2.00E-03
TFRC043	24	28	30	380	3.80E-02	0.003
TFRC043	28	32	20	320	3.20E-02	2.00E-03
TFRC043	32	36	20	50	5.00E-03	2.00E-03
TFRC043	36	40	20	40	4.00E-03	2.00E-03
TFRC043	40	44	10	40	4.00E-03	0.001
TFRC043	44	48	30	160	1.60E-02	0.003
TFRC043	48	52	20	70	7.00E-03	2.00E-03
TFRC043	52	56	10	50	5.00E-03	0.001
TFRC043	56	60	20	80	8.00E-03	2.00E-03
TFRC043	60	64	20	190	1.90E-02	2.00E-03
TFRC043	64	67	10	70	7.00E-03	0.001
TFRC043	67	70	20	80	8.00E-03	2.00E-03
TFRC044	3	7	130	750	7.50E-02	0.013
TFRC044	7	11	40	1300	0.13	4.00E-03
TFRC044	11	15	110	1710	0.171	0.011
TFRC044	15	19	70	1800	0.18000001	7.00E-03
TFRC044	19	20	130	2360	0.236	0.013
TFRC044	20	21	140	4630	0.463	0.014
TFRC044	21	22	80	1900	0.19	8.00E-03
TFRC044	22	23	150	26700	2.6700001	0.015
TFRC044	23	24	280	70200	7.02	2.80E-02
TFRC044	24	25	350	65300	6.5300002	0.035
TFRC044	25	26	640	38700	3.8699999	6.40E-02
TFRC044	26	27	770	88100	8.8100004	0.077
TFRC044	27	28	840	74900	7.4899998	8.40E-02
TFRC044	28	29	500	14500	1.45	5.00E-02
TFRC044	29	30	770	4690	0.46900001	0.077
TFRC044	30	31	2210	12200	1.22	0.221
TFRC044	31	32	1430	7380	0.73799998	0.14300001
TFRC044	32	33	1210	28600	2.8599999	0.121
TFRC044	33	34	1070	13200	1.3200001	0.107
TFRC044	34	35	380	3040	0.30399999	3.80E-02
TFRC044	35	36	470	2550	0.255	4.70E-02
TFRC044	36	37	430	2560	0.25600001	4.30E-02
TFRC044	37	38	430	6010	0.60100001	4.30E-02
TFRC044	38	39	790	4990	0.49900001	7.90E-02
TFRC044	39	40	680	4250	0.42500001	6.80E-02
TFRC044	40	43	2420	6870	0.68699998	0.242
TFRC044	43	44	1550	5220	0.52200001	0.155
TFRC044	44	45	1840	6230	0.62300003	0.184
TFRC044	45	46	2050	6130	0.61299998	0.205
TFRC044	46	47	1190	7940	0.79400003	0.119
TFRC044	47	48	1170	7760	0.77600002	0.117
TFRC044	48	49	2160	12200	1.22	0.21600001
TFRC044	49	50	2100	11000	1.1	0.20999999
TFRC044	50	51	360	4980	0.498	3.60E-02

TFRC044	51	52	400	5030	0.50300002	4.00E-02
TFRC044	52	53	550	4280	0.428	0.055
TFRC044	53	54	160	5410	0.54100001	1.60E-02
TFRC044	54	55	330	5790	0.579	0.033
TFRC044	55	56	280	9270	0.92699999	2.80E-02
TFRC044	56	57	290	10400	1.04	2.90E-02
TFRC044	57	58	410	11900	1.1900001	4.10E-02
TFRC044	58	59	490	12500	1.25	4.90E-02
TFRC044	59	60	410	11900	1.1900001	4.10E-02
TFRC044	60	61	330	5320	0.53200001	0.033
TFRC044	61	62	320	5850	0.58499998	3.20E-02
TFRC044	62	66	380	2550	0.255	3.80E-02
TFRC044	66	70	350	1850	0.185	0.035
TFRC044	70	74	310	1400	0.14	3.10E-02
TFRC044	74	78	160	810	0.081	1.60E-02
TFRC044	78	80	40	330	0.033	4.00E-03
TFRC044	80	82	50	1420	0.142	5.00E-03
TFRC044	82	84	60	750	7.50E-02	6.00E-03
TFRC044	84	86	40	610	6.10E-02	4.00E-03
TFRC044	86	87	520	4280	0.428	5.20E-02
TFRC044	87	88	540	11600	1.16	5.40E-02
TFRC044	88	89	570	16300	1.63	0.057
TFRC044	89	90	580	29700	2.97	5.80E-02
TFRC044	90	91	560	30100	3.01	5.60E-02
TFRC044	91	92	340	28900	2.8900001	3.40E-02
TFRC044	92	95	350	12700	1.27	0.035
TFRC044	95	98	390	15500	1.55	3.90E-02
TFRC044	98	101	590	20200	2.02	0.059
TFRC044	101	104	1390	16900	1.6900001	0.139
TFRC044	104	108	1070	14300	1.4299999	0.107
TFRC044	108	112	580	19400	1.9400001	5.80E-02
TFRC044	112	113	150	26200	2.6199999	0.015
TFRC044	113	114	160	28100	2.8099999	1.60E-02
TFRC044	114	115	110	23500	2.3499999	0.011
TFRC044	115	116	320	18100	1.8099999	3.20E-02
TFRC044	116	117	330	18200	1.8200001	0.033
TFRC044	117	118	330	18400	1.84	0.033
TFRC044	118	119	1500	27800	2.78	0.15000001
TFRC044	119	120	1400	26400	2.6400001	0.14
TFRC044	120	121	1620	27700	2.77	0.162
TFRC044	121	122	590	31400	3.1400001	0.059
TFRC044	122	123	560	22800	2.28	5.60E-02
TFRC044	123	124	420	23800	2.3800001	4.20E-02
TFRC044	124	125	350	23700	2.3699999	0.035
TFRC044	125	126	310	17300	1.73	3.10E-02
TFRC044	126	127	300	14000	1.4	3.00E-02
TFRC044	127	128	310	9770	0.977	3.10E-02
TFRC044	128	129	300	9630	0.963	3.00E-02
TFRC044	129	130	550	13300	1.33	0.055
TFRC044	130	131	610	15400	1.54	6.10E-02
TFRC045	2	6	700	1810	0.18099999	0.07
TFRC045	6	10	240	580	5.80E-02	0.024
TFRC045	10	14	180	560	5.60E-02	1.80E-02
TFRC045	14	18	330	670	6.70E-02	0.033
TFRC045	18	22	440	1410	0.141	0.044
TFRC045	22	26	1460	4920	0.49200001	0.146
TFRC045	26	30	260	1340	0.134	2.60E-02
TFRC045	30	34	230	1700	0.17	0.023
TFRC045	34	38	230	1290	0.12899999	0.023
TFRC045	38	42	250	1960	0.19599999	0.025
TFRC045	42	44	520	2710	0.271	5.20E-02
TFRC045	44	45	560	3960	0.396	5.60E-02
TFRC045	45	46	680	7380	0.73799998	6.80E-02

TFRC045	46	47	500	5450	0.54500002	5.00E-02
TFRC045	47	49	210	4450	0.44499999	0.021
TFRC045	49	51	100	2760	0.27599999	1.00E-02
TFRC045	51	52	710	8140	0.81400001	7.10E-02
TFRC045	52	53	3490	54500	5.4499998	0.34900001
TFRC045	53	54	4680	83100	8.3100004	0.46799999
TFRC045	54	55	4770	33300	3.3299999	0.477
TFRC045	55	56	3530	34000	3.4000001	0.35299999
TFRC045	56	57	2960	17900	1.79	0.296
TFRC045	57	58	940	6990	0.699	9.40E-02
TFRC045	58	59	420	33900	3.3900001	4.20E-02
TFRC045	59	60	80	3530	0.35299999	8.00E-03
TFRC045	60	62	260	7200	0.72000003	2.60E-02
TFRC045	62	64	50	6560	0.65600002	5.00E-03
TFRC045	64	66	110	16500	1.65	0.011
TFRC045	66	68	140	7760	0.77600002	0.014
TFRC045	68	69	150	8080	0.80800003	0.015
TFRC045	69	70	270	11800	1.1799999	2.70E-02
TFRC045	70	71	930	22100	2.21	9.30E-02
TFRC045	71	73	700	16400	1.64	0.07
TFRC045	73	75	440	14200	1.42	0.044
TFRC045	75	76	190	18500	1.85	1.90E-02
TFRC045	76	77	170	19800	1.98	1.70E-02
TFRC045	77	78	170	37700	3.77	1.70E-02
TFRC045	78	80	270	39500	3.95	2.70E-02
TFRC045	80	82	210	29000	2.9000001	0.021
TFRC045	82	84	510	28900	2.8900001	5.10E-02
TFRC045	84	85	580	18400	1.84	5.80E-02
TFRC045	85	86	560	25800	2.5799999	5.60E-02
TFRC045	86	87	430	25300	2.53	4.30E-02
TFRC045	87	88	530	29200	2.9200001	5.30E-02
TFRC045	88	89	440	20300	2.03	0.044
TFRC045	89	90	360	20500	2.05	3.60E-02
TFRC045	90	92	660	29700	2.97	0.066
TFRC045	92	94	390	13500	1.35	3.90E-02
TFRC045	94	96	390	13700	1.37	3.90E-02
TFRC045	96	98	280	18700	1.87	2.80E-02
TFRC045	98	99	300	62000	6.1999998	3.00E-02
TFRC045	99	100	330	35900	3.5899999	0.033
TFRC045	100	101	600	111000	11.1	6.00E-02
TFRC045	101	102	1020	44100	4.4099998	0.102
TFRC045	102	103	200	13900	1.39	0.02
TFRC045	103	104	170	11400	1.14	1.70E-02
TFRC045	104	105	170	11600	1.16	1.70E-02
TFRC046	7	11	1210	1680	0.168	0.121
TFRC046	11	15	680	2460	0.24600001	6.80E-02
TFRC046	15	19	1900	17800	1.78	0.19
TFRC046	19	20	2790	20600	2.0599999	0.27900001
TFRC046	20	21	1510	8300	0.82999998	0.15099999
TFRC046	21	22	1600	7190	0.71899998	0.16
TFRC046	22	23	2220	46500	4.6500001	0.222
TFRC046	23	24	1670	21200	2.1199999	0.167
TFRC046	24	25	1290	12550	1.255	0.12899999
TFRC046	25	26	1320	11500	1.15	0.132
TFRC046	26	27	2630	23800	2.3800001	0.26300001
TFRC046	27	28	4550	33400	3.3399999	0.45500001
TFRC046	28	29	2190	8060	0.80599999	0.219
TFRC046	29	30	1630	19300	1.9299999	0.163
TFRC046	30	31	4940	37100	3.71	0.49399999
TFRC046	31	32	4850	37900	3.79	0.48500001
TFRC046	32	33	6550	31300	3.1300001	0.65499997
TFRC046	33	34	3540	23700	2.3699999	0.354
TFRC046	34	35	3630	24100	2.4100001	0.36300001

TFRC046	35	36	2800	10500	1.05	0.28
TFRC046	36	37	2320	8130	0.81300002	0.23199999
TFRC046	37	38	2920	6970	0.69700003	0.292
TFRC046	38	40	2890	6950	0.69499999	0.289
TFRC046	40	41	3660	9830	0.98299998	0.366
TFRC046	41	42	2820	8980	0.898	0.28200001
TFRC046	42	43	2960	24200	2.4200001	0.296
TFRC046	43	44	4770	21600	2.1600001	0.477
TFRC046	44	45	2990	21300	2.1300001	0.29899999
TFRC046	45	46	4070	34600	3.46	0.40700001
TFRC046	46	47	2970	16900	1.6900001	0.29699999
TFRC046	47	48	2680	74600	7.46	0.26800001
TFRC046	48	49	1190	1980	0.198	0.119
TFRC046	49	50	1530	6290	0.62900001	0.153
TFRC046	50	51	1620	5990	0.59899998	0.162
TFRC046	51	52	980	5260	0.52600002	9.80E-02
TFRC046	52	53	820	3670	0.36700001	8.20E-02
TFRC046	53	54	5300	21600	2.1600001	0.52999997
TFRC046	54	55	3840	19900	1.99	0.384
TFRC046	55	56	3730	7980	0.79799998	0.373
TFRC046	56	57	4770	11500	1.15	0.477
TFRC046	57	58	6750	14800	1.48	0.67500001
TFRC046	58	59	7110	28900	2.8900001	0.71100003
TFRC046	59	60	6460	24000	2.4000001	0.64600003
TFRC046	60	61	5800	30800	3.0799999	0.57999998
TFRC046	61	62	5440	33200	3.3199999	0.54400003
TFRC046	62	63	11500	49700	4.9699998	1.15
TFRC046	63	64	8920	32000	3.2	0.89200002
TFRC046	64	65	6630	23700	2.3699999	0.66299999
TFRC046	65	66	500	1820	0.182	5.00E-02
TFRC046	66	67	8580	56100	5.6100001	0.85799998
TFRC046	67	68	11250	30900	3.0899999	1.125
TFRC046	68	69	12100	140500	14.05	1.21
TFRC046	69	70	9660	192000	19.200001	0.96600002
TFRC046	70	71	9330	225000	22.5	0.93300003
TFRC046	71	72	8710	112000	11.2	0.87099999
TFRC046	72	73	9880	102500	10.25	0.98799998
TFRC046	73	74	11500	61700	6.1700001	1.15
TFRC046	74	75	12350	41600	4.1599998	1.235
TFRC046	75	76	12550	29900	2.99	1.255
TFRC046	76	77	11750	43400	4.3400002	1.175
TFRC046	77	78	3690	21900	2.1900001	0.36899999
TFRC046	78	79	2080	8020	0.80199999	0.208
TFRC046	79	80	1860	8280	0.82800001	0.186
TFRC046	80	81	1220	7380	0.73799998	0.122
TFRC046	81	82	4070	14200	1.42	0.40700001
TFRC046	83	84	830	3580	0.35800001	8.30E-02
TFRC046	84	85	840	3570	0.35699999	8.40E-02
TFRC046	85	86	750	2620	0.26199999	7.50E-02
TFRC046	86	87	5720	17500	1.75	0.57200003
TFRC046	87	88	1940	5410	0.54100001	0.19400001
TFRC046	88	89	960	2260	0.226	9.60E-02
TFRC046	89	90	820	2390	0.23899999	8.20E-02
TFRC046	90	91	920	3010	0.301	0.092
TFRC046	91	92	1930	6110	0.611	0.193
TFRC046	92	93	1380	4280	0.428	0.138
TFRC046	93	94	900	2890	0.289	9.00E-02
TFRC047	0	4	180	460	0.046	1.80E-02
TFRC047	4	7	120	660	0.066	0.012
TFRC047	7	8	160	2020	0.20200001	1.60E-02
TFRC047	8	9	160	2670	0.26699999	1.60E-02
TFRC047	9	10	130	26900	2.6900001	0.013
TFRC047	10	11	210	19000	1.9	0.021

TFRC047	11	12	280	16500	1.65	2.80E-02
TFRC047	12	13	170	10400	1.04	1.70E-02
TFRC047	13	14	140	19000	1.9	0.014
TFRC047	14	15	180	7360	0.736	1.80E-02
TFRC047	15	16	210	7940	0.79400003	0.021
TFRC047	16	17	130	6200	0.62	0.013
TFRC047	17	18	200	27300	2.73	0.02
TFRC047	18	19	260	27500	2.75	2.60E-02
TFRC047	19	20	180	3950	0.39500001	1.80E-02
TFRC047	20	24	190	2460	0.24600001	1.90E-02
TFRC047	24	28	160	1150	0.115	1.60E-02
TFRC047	28	32	150	750	7.50E-02	0.015
TFRC047	32	36	130	650	6.50E-02	0.013
TFRC047	36	40	110	450	4.50E-02	0.011
TFRC047	40	44	110	360	3.60E-02	0.011
TFRC047	44	48	90	400	4.00E-02	9.00E-03
TFRC047	48	52	90	440	0.044	9.00E-03
TFRC047	52	56	110	470	4.70E-02	0.011
TFRC047	56	60	130	500	5.00E-02	0.013
TFRC047	60	64	260	990	9.90E-02	2.60E-02
TFRC047	64	66	680	2210	0.221	6.80E-02
TFRC047	66	67	580	1980	0.198	5.80E-02
TFRC047	67	68	300	14800	1.48	3.00E-02
TFRC047	68	69	490	8480	0.84799999	4.90E-02
TFRC047	69	73	610	3890	0.389	6.10E-02
TFRC047	73	77	610	2240	0.22400001	6.10E-02
TFRC047	77	81	190	610	6.10E-02	1.90E-02
TFRC047	81	85	530	1880	0.18799999	5.30E-02
TFRC047	85	89	1250	2900	0.28999999	0.125
TFRC047	89	93	630	1420	0.142	6.30E-02
TFRC047	93	97	320	1410	0.141	3.20E-02
TFRC047	97	98	190	1060	0.106	1.90E-02
TFRC048	0	4	10	100	1.00E-02	0.001
TFRC048	4	8	10	120	0.012	0.001
TFRC048	8	12	-10	280	2.80E-02	-0.001
TFRC048	12	16	10	290	2.90E-02	0.001
TFRC048	16	20	10	90	9.00E-03	0.001
TFRC048	20	24	10	10	0.001	0.001
TFRC048	24	28	-10	20	2.00E-03	-0.001
TFRC048	28	32	10	10	0.001	0.001
TFRC048	32	36	-10	10	0.001	-0.001
TFRC048	36	40	10	10	0.001	0.001
TFRC048	40	44	10	10	0.001	0.001
TFRC048	44	46	-10	50	5.00E-03	-0.001
TFRC048	46	52	10	20	2.00E-03	0.001
TFRC048	52	56	10	20	2.00E-03	0.001
TFRC048	56	60	-10	20	2.00E-03	-0.001
TFRC048	60	64	20	260	2.60E-02	2.00E-03
TFRC048	64	68	20	270	2.70E-02	2.00E-03
TFRC048	68	72	10	70	7.00E-03	0.001
TFRC048	72	76	10	40	4.00E-03	0.001
TFRC048	76	80	20	90	9.00E-03	2.00E-03
TFRC048	80	84	20	200	0.02	2.00E-03
TFRC048	84	88	20	170	1.70E-02	2.00E-03
TFRC048	88	92	30	230	0.023	0.003
TFRC048	92	96	30	230	0.023	0.003
TFRC048	96	100	30	170	1.70E-02	0.003
TFRC048	100	104	10	70	7.00E-03	0.001
TFRC048	104	108	20	80	8.00E-03	2.00E-03
TFRC048	108	112	30	50	5.00E-03	0.003
TFRC048	112	116	20	40	4.00E-03	2.00E-03
TFRC048	116	120	30	70	7.00E-03	0.003
TFRC048	120	124	30	30	0.003	0.003

TFRC048	124	127	20	20	2.00E-03	2.00E-03
TFRC048	127	130	10	10	0.001	0.001
TFRC049	0	4	40	170	1.70E-02	4.00E-03
TFRC049	4	8	10	20	2.00E-03	0.001
TFRC049	8	12	10	10	0.001	0.001
TFRC049	12	16	20	20	2.00E-03	2.00E-03
TFRC049	16	20	30	10	0.001	0.003
TFRC049	20	24	30	10	0.001	0.003
TFRC049	24	28	40	40	4.00E-03	4.00E-03
TFRC049	28	32	60	380	3.80E-02	6.00E-03
TFRC049	32	36	70	260	2.60E-02	7.00E-03
TFRC049	36	40	50	70	7.00E-03	5.00E-03
TFRC049	40	44	50	110	0.011	5.00E-03
TFRC049	44	48	200	70	7.00E-03	0.02
TFRC049	48	52	80	50	5.00E-03	8.00E-03
TFRC049	52	56	20	20	2.00E-03	2.00E-03
TFRC049	56	60	20	10	0.001	2.00E-03
TFRC049	60	64	30	10	0.001	0.003
TFRC049	64	68	20	10	0.001	2.00E-03
TFRC049	68	72	20	10	0.001	2.00E-03
TFRC049	72	76	20	10	0.001	2.00E-03
TFRC049	76	80	10	10	0.001	0.001
TFRC049	80	84	20	10	0.001	2.00E-03
TFRC049	84	88	20	10	0.001	2.00E-03
TFRC049	88	92	420	100	1.00E-02	4.20E-02
TFRC049	92	96	20	20	2.00E-03	2.00E-03
TFRC049	96	100	10	20	2.00E-03	0.001
TFRC049	100	104	20	20	2.00E-03	2.00E-03
TFRC049	104	108	10	10	0.001	0.001
TFRC049	108	112	30	20	2.00E-03	0.003
TFRC049	112	116	30	40	4.00E-03	0.003
TFRC049	116	120	1110	930	9.30E-02	0.111
TFRC050	0	4	370	870	8.70E-02	0.037
TFRC050	4	8	180	720	7.20E-02	1.80E-02
TFRC050	8	12	160	1150	0.115	1.60E-02
TFRC050	12	16	140	880	0.088	0.014
TFRC050	16	20	120	1150	0.115	0.012
TFRC050	20	21	140	1220	0.122	0.014
TFRC050	21	22	150	2210	0.221	0.015
TFRC050	22	23	190	5710	0.57099998	1.90E-02
TFRC050	23	24	120	8920	0.89200002	0.012
TFRC050	24	25	120	62600	6.2600002	0.012
TFRC050	25	26	290	5640	0.56400001	2.90E-02
TFRC050	26	27	350	4790	0.479	0.035
TFRC050	27	28	310	3740	0.37400001	3.10E-02
TFRC050	28	29	170	3570	0.35699999	1.70E-02
TFRC050	29	30	170	3830	0.38299999	1.70E-02
TFRC050	30	31	120	12300	1.23	0.012
TFRC050	31	32	140	3760	0.37599999	0.014
TFRC050	32	36	100	510	5.10E-02	1.00E-02
TFRC050	36	40	80	390	3.90E-02	8.00E-03
TFRC050	40	44	80	370	0.037	8.00E-03
TFRC050	44	48	70	350	0.035	7.00E-03
TFRC050	48	52	60	340	3.40E-02	6.00E-03
TFRC050	52	56	70	280	2.80E-02	7.00E-03
TFRC050	56	60	60	280	2.80E-02	6.00E-03
TFRC050	60	64	60	240	0.024	6.00E-03
TFRC050	64	68	70	610	6.10E-02	7.00E-03
TFRC050	68	71	90	720	7.20E-02	9.00E-03
TFRC050	71	72	50	600	6.00E-02	5.00E-03
TFRC050	72	73	60	750	7.50E-02	6.00E-03
TFRC050	73	74	70	960	9.60E-02	7.00E-03
TFRC050	74	75	80	2040	0.204	8.00E-03

TFRC050	75	76	50	1650	0.16500001	5.00E-03
TFRC050	76	80	60	1300	0.13	6.00E-03
TFRC051	0	4	580	980	9.80E-02	5.80E-02
TFRC051	4	8	220	480	0.048	0.022
TFRC051	8	12	100	640	6.40E-02	1.00E-02
TFRC051	12	16	120	550	0.055	0.012
TFRC051	16	20	60	290	2.90E-02	6.00E-03
TFRC051	20	24	150	1710	0.171	0.015
TFRC051	24	28	90	880	0.088	9.00E-03
TFRC051	28	32	60	620	6.20E-02	6.00E-03
TFRC051	32	36	150	730	7.30E-02	0.015
TFRC051	36	40	60	630	6.30E-02	6.00E-03
TFRC051	40	44	80	730	7.30E-02	8.00E-03
TFRC051	44	48	230	1160	0.116	0.023
TFRC051	48	49	1980	2220	0.222	0.198
TFRC051	49	50	1090	4420	0.442	0.109
TFRC051	50	51	500	10800	1.08	5.00E-02
TFRC051	51	52	50	4380	0.43799999	5.00E-03
TFRC051	52	56	140	1140	0.114	0.014
TFRC051	56	60	130	430	4.30E-02	0.013
TFRC051	60	64	20	50	5.00E-03	2.00E-03
TFRC051	64	68	10	-10	-0.001	0.001
TFRC051	68	72	-10	-10	-0.001	-0.001
TFRC051	72	76	40	80	8.00E-03	4.00E-03
TFRC051	76	80	20	-10	-0.001	2.00E-03
TFRC051	80	84	10	-10	-0.001	0.001
TFRC051	84	88	20	-10	-0.001	2.00E-03
TFRC051	88	92	10	60	6.00E-03	0.001
TFRC051	92	96	10	20	2.00E-03	0.001
TFRC051	96	100	40	80	8.00E-03	4.00E-03
TFRC051	100	101	1660	680	6.80E-02	0.16599999
TFRC051	101	102	8900	9220	0.92199999	0.88999999
TFRC051	102	103	880	12200	1.22	0.088
TFRC051	103	104	950	11200	1.12	9.50E-02
TFRC051	104	105	70	10700	1.0700001	7.00E-03
TFRC051	105	106	90	9060	0.90600002	9.00E-03
TFRC051	106	107	60	14300	1.4299999	6.00E-03
TFRC051	107	108	1030	15300	1.53	0.103
TFRC051	108	109	1210	10300	1.03	0.121
TFRC051	109	110	560	22900	2.29	5.60E-02
TFRC051	110	111	550	36500	3.6500001	0.055
TFRC051	111	112	360	38400	3.8399999	3.60E-02
TFRC051	112	113	280	37800	3.78	2.80E-02
TFRC051	113	114	290	58200	5.8200002	2.90E-02
TFRC051	114	115	630	30100	3.01	6.30E-02
TFRC051	115	116	3960	19600	1.96	0.396
TFRC051	116	117	5200	28400	2.8399999	0.51999998
TFRC051	117	118	5910	16200	1.62	0.59100002
TFRC051	118	119	6850	17000	1.7	0.685
TFRC051	119	120	1320	9780	0.97799999	0.132
TFRC052	0	4	180	870	8.70E-02	1.80E-02
TFRC052	4	8	830	950	9.50E-02	8.30E-02
TFRC052	8	12	220	460	0.046	0.022
TFRC052	12	16	150	380	3.80E-02	0.015
TFRC052	16	20	180	410	4.10E-02	1.80E-02
TFRC052	20	24	870	1750	0.175	8.70E-02
TFRC052	24	25	2880	7020	0.70200002	0.28799999
TFRC052	25	26	2750	16900	1.6900001	0.27500001
TFRC052	26	27	5200	12200	1.22	0.51999998
TFRC052	27	28	2560	8060	0.80599999	0.25600001
TFRC052	28	29	2500	15000	1.5	0.25
TFRC052	29	30	1550	10600	1.0599999	0.155
TFRC052	30	31	3550	10500	1.05	0.35499999

TFRC052	31	32	4560	12200	1.22	0.456
TFRC052	32	33	5480	37600	3.76	0.54799998
TFRC052	33	34	2700	6540	0.65399998	0.27000001
TFRC052	34	35	5100	31900	3.1900001	0.50999999
TFRC052	35	36	6240	22700	2.27	0.62400001
TFRC052	36	37	5390	80200	8.0200005	0.53899997
TFRC052	37	38	5550	19400	1.9400001	0.55500001
TFRC052	38	39	4000	8250	0.82499999	0.40000001
TFRC052	39	40	3610	6590	0.65899998	0.361
TFRC052	40	41	4390	6140	0.61400002	0.43900001
TFRC052	41	42	22700	18000	1.8	2.27
TFRC052	42	43	33100	46500	4.6500001	3.3099999
TFRC052	43	44	35400	61100	6.1100001	3.54
TFRC052	44	45	23500	42800	4.2800002	2.3499999
TFRC052	45	46	19200	43100	4.3099999	1.92
TFRC052	46	47	12200	82800	8.2799997	1.22
TFRC052	47	48	9870	63600	6.3600001	0.98699999
TFRC052	48	49				
TFRC052	49	50	820	22000	2.2	8.20E-02
TFRC052	50	51	1010	22300	2.23	0.101
TFRC052	51	52	700	17000	1.7	0.07
TFRC052	52	53	220	4640	0.46399999	0.022
TFRC052	53	54	210	17000	1.7	0.021
TFRC052	54	55	230	16400	1.64	0.023
TFRC052	55	56	250	13600	1.36	0.025
TFRC052	56	57	260	8360	0.83600003	2.60E-02
TFRC052	57	58	370	11900	1.1900001	0.037
TFRC052	58	59	320	10700	1.0700001	3.20E-02
TFRC052	59	60	510	7480	0.74800003	5.10E-02
TFRC052	60	61	510	6750	0.67500001	5.10E-02
TFRC053	0	4	1080	2900	0.28999999	0.108
TFRC053	4	8	760	1920	0.192	7.60E-02
TFRC053	8	12	330	1220	0.122	0.033
TFRC053	12	16	240	1130	0.113	0.024
TFRC053	16	20	180	1130	0.113	1.80E-02
TFRC053	20	24	170	2380	0.23800001	1.70E-02
TFRC053	24	28	470	2560	0.25600001	4.70E-02
TFRC053	28	32	190	2370	0.237	1.90E-02
TFRC053	32	36	200	1570	0.15700001	0.02
TFRC053	36	40	170	2160	0.21600001	1.70E-02
TFRC053	40	41	170	1710	0.171	1.70E-02
TFRC053	41	42	80	2480	0.248	8.00E-03
TFRC053	42	43	110	1640	0.164	0.011
TFRC053	43	44	60	26200	2.6199999	6.00E-03
TFRC053	44	45	40	8460	0.84600002	4.00E-03
TFRC053	45	46	70	2270	0.227	7.00E-03
TFRC053	46	47	60	3880	0.38800001	6.00E-03
TFRC053	47	48	80	18700	1.87	8.00E-03
TFRC053	48	49	60	4270	0.42699999	6.00E-03
TFRC053	49	50	90	3620	0.36199999	9.00E-03
TFRC053	50	51	60	3560	0.35600001	6.00E-03
TFRC053	51	52	50	5770	0.57700002	5.00E-03
TFRC053	52	53	60	1570	0.15700001	6.00E-03
TFRC053	53	54	70	960	9.60E-02	7.00E-03
TFRC053	54	55	120	850	8.50E-02	0.012
TFRC053	55	56	650	420	4.20E-02	6.50E-02
TFRC053	56	57	750	1390	0.139	7.50E-02
TFRC053	57	58	1330	2420	0.242	0.133
TFRC053	58	59	1110	2320	0.23199999	0.111
TFRC053	59	60	1490	2540	0.25400001	0.149
TFRC053	60	61	780	1550	0.155	7.80E-02
TFRC053	61	62	580	3170	0.317	5.80E-02
TFRC053	62	63	620	1620	0.162	6.20E-02

TFRC053	63	64	460	3580	0.35800001	0.046
TFRC053	64	65	430	1030	0.103	4.30E-02
TFRC053	65	66	740	1200	0.12	7.40E-02
TFRC053	66	67	730	1600	0.16	7.30E-02
TFRC053	67	68	640	1550	0.155	6.40E-02
TFRC053	68	69	660	940	9.40E-02	0.066
TFRC053	69	70	620	720	7.20E-02	6.20E-02
TFRC053	70	71	400	460	0.046	4.00E-02
TFRC053	71	72	450	550	0.055	4.50E-02
TFRC053	72	73	390	580	5.80E-02	3.90E-02
TFRC053	73	74	470	570	0.057	4.70E-02
TFRC053	74	75	460	1220	0.122	0.046
TFRC053	75	76	670	660	0.066	6.70E-02
TFRC053	76	77	660	440	0.044	0.066
TFRC053	77	78	990	420	4.20E-02	9.90E-02
TFRC053	78	79	1910	1370	0.13699999	0.191
TFRC053	79	80	1500	580	5.80E-02	0.15000001
TFRC053	80	81	2110	430	4.30E-02	0.211
TFRC053	81	82	1490	2440	0.244	0.149
TFRC053	82	83	1250	1090	0.109	0.125
TFRC053	83	84	990	1100	0.11	9.90E-02
TFRC053	84	85	1180	6410	0.64099997	0.118
TFRC053	85	86	790	6150	0.61500001	7.90E-02
TFRC053	86	87	1040	5060	0.50599998	0.104
TFRC053	87	88	1640	6600	0.66000003	0.164
TFRC053	88	89	1730	2840	0.28400001	0.17299999
TFRC053	89	90	1510	5620	0.56199998	0.15099999
TFRC053	90	91	1470	6210	0.62099999	0.147
TFRC053	91	92	1630	3090	0.30899999	0.163
TFRC053	92	93	1380	2190	0.219	0.138
TFRC053	93	94	910	1100	0.11	9.10E-02
TFRC053	94	95	1280	2480	0.248	0.12800001
TFRC053	95	96	1010	3910	0.391	0.101
TFRC053	96	97	1550	6100	0.61000001	0.155
TFRC053	97	98	1350	3690	0.36899999	0.13500001
TFRC053	98	99	1430	3950	0.39500001	0.14300001
TFRC053	99	100	570	2860	0.28600001	0.057
TFRC053	100	101	440	1160	0.116	0.044
TFRC053	101	102	1050	810	0.081	0.105
TFRC053	102	103	340	1060	0.106	3.40E-02
TFRC054	0	4	170	880	0.088	1.70E-02
TFRC054	4	8	160	860	8.60E-02	1.60E-02
TFRC054	8	12	1730	1680	0.168	0.17299999
TFRC054	12	16	3470	2190	0.219	0.347
TFRC054	16	20	2280	1640	0.164	0.228
TFRC054	20	24	6580	4030	0.403	0.65799999
TFRC054	24	28	3850	2050	0.205	0.38499999
TFRC054	28	32	2050	1290	0.12899999	0.205
TFRC054	32	36	3470	2830	0.28299999	0.347
TFRC054	36	37	4480	5560	0.55599999	0.44800001
TFRC054	37	38	11050	51200	5.1199999	1.105
TFRC054	38	39	11000	22500	2.25	1.1
TFRC054	39	40	5660	10450	1.045	0.56599998
TFRC054	40	41	9340	12150	1.215	0.93400002
TFRC054	41	42	21600	16900	1.6900001	2.1600001
TFRC054	42	44	14800	11050	1.105	1.48
TFRC054	44	46	18950	12900	1.29	1.895
TFRC054	46	48	21700	14850	1.485	2.1700001
TFRC054	48	49	19100	13900	1.39	1.91
TFRC054	49	50	14150	11250	1.125	1.415
TFRC054	50	51	19100	23600	2.3599999	1.91
TFRC054	51	52	16000	19800	1.98	1.6
TFRC054	52	53	11350	8870	0.88700002	1.135

TFRC054	53	56	5620	5320	0.53200001	0.56199998
TFRC054	56	59	3800	4210	0.421	0.38
TFRC054	59	62	1610	2600	0.25999999	0.161
TFRC054	62	66	550	1340	0.134	0.055
TFRC054	66	70	1000	2010	0.20100001	0.1
TFRC054	70	74	1570	3010	0.301	0.15700001
TFRC054	74	78	380	1060	0.106	3.80E-02
TFRC054	78	82	1010	2810	0.28099999	0.101
TFRC054	82	83	1550	3380	0.338	0.155
TFRC054	83	84	1550	3310	0.331	0.155
TFRC054	84	85	2270	4950	0.495	0.227
TFRC054	85	86	1590	3410	0.34099999	0.15899999
TFRC054	86	87	2260	13000	1.3	0.226
TFRC054	87	88	1870	7330	0.73299998	0.18700001
TFRC054	88	89	1820	7120	0.71200001	0.182
TFRC054	89	90	1900	7670	0.76700002	0.19
TFRC054	90	92	1770	5830	0.583	0.177
TFRC054	92	94	1500	4750	0.47499999	0.15000001
TFRC054	94	95	1480	7740	0.77399999	0.148
TFRC054	95	96	2310	8640	0.86400002	0.23100001
TFRC054	96	97	3190	29300	2.9300001	0.31900001
TFRC054	97	98	2620	98800	9.8800001	0.26199999
TFRC054	98	99	2570	109500	10.95	0.257
TFRC054	99	100	1260	12000	1.2	0.126
TFRC054	100	101	980	1910	0.191	9.80E-02
TFRC054	101	102	1340	12700	1.27	0.134
TFRC054	102	103	1960	28100	2.8099999	0.19599999
TFRC054	103	104	1880	12150	1.215	0.18799999
TFRC054	104	105	2120	7080	0.708	0.212
TFRC054	105	106	1710	8500	0.85000002	0.171
TFRC054	106	107	2060	10500	1.05	0.206
TFRC054	107	108	1150	3860	0.38600001	0.115
TFRC054	108	109	1200	9350	0.935	0.12
TFRC054	109	110	950	8830	0.88300002	9.50E-02
TFRC055	1	5	580	1420	0.142	5.80E-02
TFRC055	5	9	120	370	0.037	0.012
TFRC055	9	13	100	390	3.90E-02	1.00E-02
TFRC055	13	17	130	380	3.80E-02	0.013
TFRC055	17	21	180	300	3.00E-02	1.80E-02
TFRC055	21	25	140	330	0.033	0.014
TFRC055	25	29	90	250	0.025	9.00E-03
TFRC055	29	33	110	260	2.60E-02	0.011
TFRC055	33	37	80	280	2.80E-02	8.00E-03
TFRC055	37	41	100	440	0.044	1.00E-02
TFRC055	41	45	390	840	8.40E-02	3.90E-02
TFRC055	45	49	110	280	2.80E-02	0.011
TFRC055	49	53	80	280	2.80E-02	8.00E-03
TFRC055	53	57	130	400	4.00E-02	0.013
TFRC055	57	61	210	500	5.00E-02	0.021
TFRC055	61	65	130	380	3.80E-02	0.013
TFRC055	65	69	120	390	3.90E-02	0.012
TFRC055	69	73	120	370	0.037	0.012
TFRC055	73	77	130	420	4.20E-02	0.013
TFRC055	77	81	100	550	0.055	1.00E-02
TFRC055	81	85	90	400	4.00E-02	9.00E-03
TFRC055	85	89	60	70	7.00E-03	6.00E-03
TFRC055	89	93	60	100	1.00E-02	6.00E-03
TFRC055	93	95	70	140	0.014	7.00E-03
TFRC055	95	96	80	130	0.013	8.00E-03
TFRC055	96	97	80	220	0.022	8.00E-03
TFRC055	97	98	70	50	5.00E-03	7.00E-03
TFRC055	98	102	70	250	0.025	7.00E-03
TFRC055	102	106	60	310	3.10E-02	6.00E-03

TFRC055	106	110	50	130	0.013	5.00E-03
TFRC055	110	114	40	70	7.00E-03	4.00E-03
TFRC055	114	118	40	120	0.012	4.00E-03
TFRC055	118	121	30	150	0.015	0.003
TFRC056	1	3	420	2920	0.292	4.20E-02
TFRC056	3	4	430	3030	0.303	4.30E-02
TFRC056	4	5	2320	48700	4.8699999	0.23199999
TFRC056	5	6	810	74200	7.4200001	0.081
TFRC056	6	7	650	97200	9.7200003	6.50E-02
TFRC056	7	8	490	62300	6.23	4.90E-02
TFRC056	8	9	690	104000	10.4	6.90E-02
TFRC056	9	10	310	69400	6.9400001	3.10E-02
TFRC056	10	11	210	59600	5.96	0.021
TFRC056	11	12	320	73200	7.3200002	3.20E-02
TFRC056	12	13	790	80700	8.0699997	7.90E-02
TFRC056	13	14	920	84800	8.4799995	0.092
TFRC056	14	15	1190	73300	7.3299999	0.119
TFRC056	15	16	1310	11400	1.14	0.131
TFRC056	16	17	10000	67900	6.79	1
TFRC056	17	18	4560	20200	2.02	0.456
TFRC056	18	19	9460	65100	6.5100002	0.94599998
TFRC056	19	20	1910	18450	1.845	0.191
TFRC056	20	21	5640	35300	3.53	0.56400001
TFRC056	21	22	17550	76600	7.6599998	1.755
TFRC056	22	23	8400	26400	2.6400001	0.83999997
TFRC056	23	24	3310	6650	0.66500002	0.331
TFRC056	24	25	3970	21700	2.1700001	0.39700001
TFRC056	25	26	10600	39000	3.9000001	1.0599999
TFRC056	26	27	6360	21800	2.1800001	0.63599998
TFRC056	27	28	10200	30800	3.0799999	1.02
TFRC056	28	29	8450	69600	6.96	0.84500003
TFRC056	29	30	3840	56700	5.6700001	0.384
TFRC056	30	31	3640	47600	4.7600002	0.36399999
TFRC056	31	32	1900	29400	2.9400001	0.19
TFRC056	32	33	4250	69000	6.9000001	0.42500001
TFRC056	33	34	600	12300	1.23	6.00E-02
TFRC056	34	35	710	4550	0.45500001	7.10E-02
TFRC056	35	36	800	2740	0.27399999	8.00E-02
TFRC056	36	37	720	9020	0.90200001	7.20E-02
TFRC056	37	38	330	910	9.10E-02	0.033
TFRC056	38	42	60	200	0.02	6.00E-03
TFRC056	42	46	20	80	8.00E-03	2.00E-03
TFRC056	46	50	10	30	0.003	0.001
TFRC056	50	54	10	170	1.70E-02	0.001
TFRC056	54	58	20	110	0.011	2.00E-03
TFRC056	58	62	20	70	7.00E-03	2.00E-03
TFRC056	62	66	20	230	0.023	2.00E-03
TFRC056	66	70	20	320	3.20E-02	2.00E-03
TFRC056	70	74	30	490	4.90E-02	0.003
TFRC056	74	78	20	160	1.60E-02	2.00E-03
TFRC056	78	82	20	210	0.021	2.00E-03
TFRC056	82	86	20	170	1.70E-02	2.00E-03
TFRC056	86	90	30	150	0.015	0.003
TFRC056	90	94	40	100	1.00E-02	4.00E-03
TFRC056	94	97	30	50	5.00E-03	0.003
TFRC056	97	100	20	100	1.00E-02	2.00E-03
TFRC057	0	1	280	62600	6.2600002	2.80E-02
TFRC057	1	2	370	181500	18.15	0.037
TFRC057	2	3	80	51800	5.1799998	8.00E-03
TFRC057	3	4	240	94900	9.4899998	0.024
TFRC057	4	5	120	39100	3.9100001	0.012
TFRC057	5	6	90	6110	0.611	9.00E-03
TFRC057	6	7	270	7710	0.77100003	2.70E-02

TFRC057	7	8	150	6300	0.63	0.015
TFRC057	8	9	80	6220	0.62199998	8.00E-03
TFRC057	9	10	120	5550	0.55500001	0.012
TFRC057	10	11	160	13050	1.3049999	1.60E-02
TFRC057	11	12	260	34500	3.45	2.60E-02
TFRC057	12	13	720	96000	9.6000004	7.20E-02
TFRC057	13	14	530	44100	4.4099998	5.30E-02
TFRC057	14	15	420	73500	7.3499999	4.20E-02
TFRC057	15	16	1590	101500	10.15	0.15899999
TFRC057	16	17	1510	73900	7.3899999	0.15099999
TFRC057	17	18	890	16550	1.655	8.90E-02
TFRC057	18	19	100	11050	1.105	1.00E-02
TFRC057	19	20	80	9960	0.99599999	8.00E-03
TFRC057	20	21	50	26100	2.6099999	5.00E-03
TFRC057	21	22	150	35700	3.5699999	0.015
TFRC057	22	23	160	35300	3.53	1.60E-02
TFRC057	23	24	90	26300	2.6300001	9.00E-03
TFRC057	24	25	60	5310	0.53100002	6.00E-03
TFRC057	25	26	80	33500	3.3499999	8.00E-03
TFRC057	26	27	130	55200	5.52	0.013
TFRC057	27	28	200	85300	8.5299997	0.02
TFRC057	28	29	110	29900	2.99	0.011
TFRC057	29	30	130	52400	5.2399998	0.013
TFRC057	30	31	220	34000	3.4000001	0.022
TFRC057	31	32	480	41900	4.1900001	0.048
TFRC057	32	33	520	29300	2.9300001	5.20E-02
TFRC057	33	34	160	19300	1.9299999	1.60E-02
TFRC057	34	35	430	41200	4.1199999	4.30E-02
TFRC057	35	36	190	42100	4.21	1.90E-02
TFRC057	36	37	240	36900	3.6900001	0.024
TFRC057	37	38	2330	61700	6.1700001	0.233
TFRC057	38	39	820	21600	2.1600001	8.20E-02
TFRC057	39	40	1410	51800	5.1799998	0.141
TFRC057	40	41	1390	43900	4.3899999	0.139
TFRC057	41	42	1230	43500	4.3499999	0.123
TFRC057	42	43	500	57200	5.7199998	5.00E-02
TFRC057	43	44	1900	35700	3.5699999	0.19
TFRC057	44	45	670	56500	5.6500001	6.70E-02
TFRC057	45	46	160	63100	6.3099999	1.60E-02
TFRC057	46	50	280	24800	2.48	2.80E-02
TFRC057	50	54	350	12850	1.285	0.035
TFRC057	54	58	450	25700	2.5699999	4.50E-02
TFRC057	58	59	450	16200	1.62	4.50E-02
TFRC057	59	60	400	23200	2.3199999	4.00E-02
TFRC057	60	61	340	56700	5.6700001	3.40E-02
TFRC057	61	62	320	105000	10.5	3.20E-02
TFRC057	62	63	300	105000	10.5	3.00E-02
TFRC057	63	64	350	75000	7.5	0.035
TFRC057	64	65	520	60700	6.0700002	5.20E-02
TFRC057	65	66	600	55900	5.5900002	6.00E-02
TFRC057	66	67	2610	97700	9.7700005	0.26100001
TFRC057	67	68	3370	51900	5.1900001	0.33700001
TFRC057	68	69	3540	32500	3.25	0.354
TFRC057	69	70	6750	38000	3.8	0.67500001
TFRC057	70	71	2360	29500	2.95	0.236
TFRC057	71	72	1220	11750	1.175	0.122
TFRC057	72	73	450	3090	0.30899999	4.50E-02
TFRC057	73	74	710	2700	0.27000001	7.10E-02
TFRC057	74	75	1320	1530	0.153	0.132
TFRC057	75	79	2140	2310	0.23100001	0.214
TFRC057	79	83	1680	1840	0.184	0.168
TFRC057	83	87	2160	1370	0.13699999	0.21600001
TFRC057	87	91	3000	640	6.40E-02	0.30000001

TFRC057	91	95	2990	540	5.40E-02	0.29899999
TFRC057	95	99	1600	180	1.80E-02	0.16
TFRC057	99	103	1130	160	1.60E-02	0.113
TFRC057	103	107	470	460	0.046	4.70E-02
TFRC057	107	111	330	970	9.70E-02	0.033
TFRC057	111	115	900	3910	0.391	9.00E-02
TFRC057	115	119	1120	8460	0.84600002	0.112
TFRC057	119	125	3410	16500	1.65	0.34099999
TFRC057	125	126	1600	72800	7.2800002	0.16
TFRC057	126	127	1030	36200	3.6199999	0.103
TFRC057	127	129	280	10500	1.05	2.80E-02
TFRC057	129	130	800	18500	1.85	8.00E-02
TFRC057	130	134	1340	31500	3.1500001	0.134
TFRC057	134	135	1090	34600	3.46	0.109
TFRC057	135	136	2110	38600	3.8599999	0.211
TFRC057	136	137	1000	29300	2.9300001	0.1
TFRC057	137	138	1130	30700	3.0699999	0.113
TFRC057	138	139	910	27700	2.77	9.10E-02
TFRC057	139	140	900	28200	2.8199999	9.00E-02
TFRC057	140	141	22100	62700	6.27	2.21
TFRC057	141	142	12600	35000	3.5	1.26
TFRC057	142	143	1380	22500	2.25	0.138
TFRC057	143	144	2010	21500	2.1500001	0.20100001
TFRC057	144	145	760	18650	1.865	7.60E-02
TFRC057	145	146	880	19300	1.9299999	0.088
TFRC058	0	4	200	1180	0.118	0.02
TFRC058	4	8	80	1030	0.103	8.00E-03
TFRC058	8	12	70	630	6.30E-02	7.00E-03
TFRC058	12	13	50	700	0.07	5.00E-03
TFRC058	13	14	30	770	0.077	0.003
TFRC058	14	15	400	6730	0.67299998	4.00E-02
TFRC058	15	16	30	6670	0.667	0.003
TFRC058	16	17	40	12750	1.275	4.00E-03
TFRC058	17	18	40	4690	0.46900001	4.00E-03
TFRC058	18	19	30	6620	0.662	0.003
TFRC058	19	20	1050	30500	3.05	0.105
TFRC058	20	21	330	39900	3.99	0.033
TFRC058	21	22	600	110500	11.05	6.00E-02
TFRC058	22	23	760	36900	3.6900001	7.60E-02
TFRC058	23	24	980	128500	12.85	9.80E-02
TFRC058	24	25	470	64500	6.4499998	4.70E-02
TFRC058	25	26	450	84700	8.4700003	4.50E-02
TFRC058	26	27	60	19200	1.92	6.00E-03
TFRC058	27	28	40	11500	1.15	4.00E-03
TFRC058	28	29	200	40900	4.0900002	0.02
TFRC058	29	30	40	7020	0.70200002	4.00E-03
TFRC058	30	31	1950	53300	5.3299999	0.19499999
TFRC058	31	32	1480	27300	2.73	0.148
TFRC058	32	33	640	42900	4.29	6.40E-02
TFRC058	33	35	620	30700	3.0699999	6.20E-02
TFRC058	35	37	1040	21900	2.1900001	0.104
TFRC058	37	38	2020	15150	1.515	0.20200001
TFRC058	38	39	400	1440	0.14399999	4.00E-02
TFRC058	39	40	400	940	9.40E-02	4.00E-02
TFRC058	40	41	360	3710	0.37099999	3.60E-02
TFRC058	41	42	1250	92200	9.2200003	0.125
TFRC058	42	43	600	36200	3.6199999	6.00E-02
TFRC058	43	44	1400	64800	6.48	0.14
TFRC058	44	45	8540	63100	6.3099999	0.85399997
TFRC058	45	46	5240	33900	3.3900001	0.52399999
TFRC058	46	47	2270	74200	7.4200001	0.227
TFRC058	47	48	1880	109000	10.9	0.18799999
TFRC058	48	49	1150	118500	11.85	0.115

TFRC058	49	50	1180	103500	10.35	0.118
TFRC058	50	51	610	65600	6.5599999	6.10E-02
TFRC058	51	52	730	69500	6.9499998	7.30E-02
TFRC058	52	53	450	34900	3.49	4.50E-02
TFRC058	53	54	410	54100	5.4099998	4.10E-02
TFRC058	54	55	310	26400	2.6400001	3.10E-02
TFRC058	55	56	260	24600	2.46	2.60E-02
TFRC058	56	57	230	22400	2.24	0.023
TFRC058	57	58	160	38600	3.8599999	1.60E-02
TFRC058	58	59	230	34000	3.4000001	0.023
TFRC058	59	60	1450	33700	3.3699999	0.145
TFRC058	60	61	1180	28200	2.8199999	0.118
TFRC058	61	62	1050	19450	1.9450001	0.105
TFRC058	62	63	420	6810	0.68099999	4.20E-02
TFRC058	63	64	550	8710	0.87099999	0.055
TFRC058	64	65	580	9630	0.963	5.80E-02
TFRC058	65	66	1470	17250	1.725	0.147
TFRC058	66	67	2250	43100	4.3099999	0.22499999
TFRC058	67	68	5500	67300	6.73	0.55000001
TFRC058	68	69	5400	136500	13.65	0.54000002
TFRC058	69	70	8380	134000	13.4	0.838
TFRC058	70	71	9470	158500	15.85	0.94700003
TFRC058	71	72	15300	161500	16.15	1.53
TFRC058	72	73	9200	68000	6.8000002	0.92000002
TFRC058	73	74	8170	58700	5.8699999	0.81699997
TFRC058	74	75	6150	21700	2.1700001	0.61500001
TFRC058	75	76	5470	20000	2	0.54699999
TFRC058	76	77	6740	31000	3.0999999	0.67400002
TFRC058	77	78	3410	13300	1.33	0.34099999
TFRC058	78	79	2730	9720	0.972	0.273
TFRC058	79	80	2350	7780	0.778	0.235
TFRC058	80	82	3360	27500	2.75	0.336
TFRC058	82	84	3500	17800	1.78	0.34999999
TFRC058	84	86	2620	9530	0.95300001	0.26199999
TFRC058	86	88	1550	16700	1.67	0.155
TFRC058	88	90	1150	6320	0.63200003	0.115
TFRC058	90	94	640	3140	0.31400001	6.40E-02
TFRC058	94	98	290	2530	0.25299999	2.90E-02
TFRC058	98	102	290	2810	0.28099999	2.90E-02
TFRC058	102	106	270	2280	0.228	2.70E-02
TFRC058	106	110	400	1310	0.131	4.00E-02
TFRC058	110	114	960	2500	0.25	9.60E-02
TFRC058	114	118	930	960	9.60E-02	9.30E-02
TFRC058	118	122	350	610	6.10E-02	0.035
TFRC058	122	124	100	1290	0.12899999	1.00E-02
TFRC058	124	126	120	1300	0.13	0.012
TFRC058	126	128	70	4840	0.484	7.00E-03
TFRC058	128	130	120	9070	0.90700001	0.012
TFRC058	130	132	280	3440	0.34400001	2.80E-02
TFRC058	132	134	970	5450	0.54500002	9.70E-02
TFRC058	134	135	310	3260	0.32600001	3.10E-02
TFRC058	135	136	240	5740	0.574	0.024
TFRC058	136	137	240	4430	0.44299999	0.024
TFRC058	137	138	80	6570	0.65700001	8.00E-03
TFRC058	138	139	80	7590	0.759	8.00E-03
TFRC058	139	140	260	4970	0.49700001	2.60E-02
TFRC058	140	143	550	10600	1.0599999	0.055
TFRC058	143	146	540	12900	1.29	5.40E-02
TFRC058	146	150	200	9630	0.963	0.02
TFRC059	0	4	270	900	9.00E-02	2.70E-02
TFRC059	4	8	360	1550	0.155	3.60E-02
TFRC059	8	12	160	1270	0.127	1.60E-02
TFRC059	12	16	530	1520	0.152	5.30E-02

TFRC059	16	20	380	1070	0.107	3.80E-02
TFRC059	20	24	350	1080	0.108	0.035
TFRC059	24	28	260	1580	0.15800001	2.60E-02
TFRC059	28	32	360	1060	0.106	3.60E-02
TFRC059	32	36	150	1240	0.124	0.015
TFRC059	36	40	90	1700	0.17	9.00E-03
TFRC059	40	44	80	980	9.80E-02	8.00E-03
TFRC059	44	48	60	710	7.10E-02	6.00E-03
TFRC059	48	52	50	730	7.30E-02	5.00E-03
TFRC059	52	56	70	2040	0.204	7.00E-03
TFRC059	56	60	30	390	3.90E-02	0.003
TFRC059	60	64	140	6680	0.66799998	0.014
TFRC059	64	68	40	3880	0.38800001	4.00E-03
TFRC059	68	72	650	14400	1.4400001	6.50E-02
TFRC059	72	73	1830	24500	2.45	0.183
TFRC059	73	74	2190	31900	3.1900001	0.219
TFRC059	74	75	2880	24500	2.45	0.28799999
TFRC059	75	76	280	12800	1.28	2.80E-02
TFRC059	76	80	560	6730	0.67299998	5.60E-02
TFRC059	80	84	230	10100	1.01	0.023
TFRC059	84	88	110	2580	0.25799999	0.011
TFRC059	88	92	210	2670	0.26699999	0.021
TFRC059	92	96	120	2100	0.20999999	0.012
TFRC059	96	100	450	8180	0.81800002	4.50E-02
TFRC059	100	104	270	6900	0.69	2.70E-02
TFRC059	104	108	120	6160	0.616	0.012
TFRC059	108	112	130	5400	0.54000002	0.013
TFRC059	112	116	110	1550	0.155	0.011
TFRC059	116	120	90	1000	0.1	9.00E-03
TFRC059	120	124	160	1140	0.114	1.60E-02
TFRC059	124	128	190	1270	0.127	1.90E-02
TFRC059	128	132	220	730	7.30E-02	0.022
TFRC059	132	134	1900	1380	0.138	0.19
TFRC059	134	138	300	460	0.046	3.00E-02
TFRC059	138	142	70	1340	0.134	7.00E-03
TFRC059	142	143	30	620	6.20E-02	0.003
TFRC059	143	144	30	490	4.90E-02	0.003
TFRC059	144	147	30	340	3.40E-02	0.003
TFRC059	147	150	60	230	0.023	6.00E-03
TFRC060	1	5	820	990	9.90E-02	8.20E-02
TFRC060	5	9	270	490	4.90E-02	2.70E-02
TFRC060	9	13	140	450	4.50E-02	0.014
TFRC060	13	15	590	2460	0.24600001	0.059
TFRC060	15	16	410	2030	0.20299999	4.10E-02
TFRC060	16	17	380	2880	0.28799999	3.80E-02
TFRC060	17	18	230	9970	0.99699998	0.023
TFRC060	18	19	260	7950	0.79500002	2.60E-02
TFRC060	19	20	380	16500	1.65	3.80E-02
TFRC060	20	21	620	34200	3.4200001	6.20E-02
TFRC060	21	22	750	37500	3.75	7.50E-02
TFRC060	22	23	590	31600	3.1600001	0.059
TFRC060	23	24	670	86100	8.6099997	6.70E-02
TFRC060	24	25	990	135500	13.55	9.90E-02
TFRC060	25	26	1110	103000	10.3	0.111
TFRC060	26	27	860	97000	9.6999998	8.60E-02
TFRC060	27	28	2090	67400	6.7399998	0.20900001
TFRC060	28	29	2070	64000	6.4000001	0.207
TFRC060	29	30	1330	69900	6.9899998	0.133
TFRC060	30	31	2140	44000	4.4000001	0.214
TFRC060	31	32	2760	54700	5.4699998	0.27599999
TFRC060	32	33	1420	35500	3.55	0.142
TFRC060	33	34	2530	93000	9.3000002	0.25299999
TFRC060	34	35	2100	71500	7.1500001	0.20999999

TFRC060	35	36	1440	36600	3.6600001	0.14399999
TFRC060	36	37	2030	67000	6.6999998	0.20299999
TFRC060	37	38	2940	65000	6.5	0.294
TFRC060	38	39	3850	78200	7.8200002	0.38499999
TFRC060	39	40	2910	47500	4.75	0.29100001
TFRC060	40	41	2850	36900	3.6900001	0.285
TFRC060	41	42	2530	59100	5.9099998	0.25299999
TFRC060	42	43	2580	70600	7.0599999	0.25799999
TFRC060	43	44	5040	54000	5.4000001	0.50400001
TFRC060	44	45	8710	32500	3.25	0.87099999
TFRC060	45	46	9160	29500	2.95	0.91600001
TFRC060	46	47	10700	33700	3.3699999	1.0700001
TFRC060	47	58	11400	33300	3.3299999	1.14
TFRC060	49	50	5050	28500	2.8499999	
TFRC060	50	51	4870	26900	2.6900001	
TFRC060	52	54	4040	18650	1.865	
TFRC060	54	56	2450	11250	1.125	
TFRC060	56	58	690	6950	0.69499999	
TFRC060	58	60	650	8530	0.85299999	6.50E-02
TFRC060	60	62	450	6840	0.68400002	4.50E-02
TFRC060	62	64	140	3940	0.39399999	0.014
TFRC060	64	67	400	11700	1.17	4.00E-02
TFRC060	67	69	640	12450	1.245	6.40E-02
TFRC060	69	71	890	10300	1.03	8.90E-02
TFRC060	71	73	770	12500	1.25	0.077
TFRC060	73	75	170	4940	0.49399999	1.70E-02
TFRC060	75	77	220	5710	0.57099998	0.022
TFRC060	77	79	160	3540	0.354	1.60E-02
TFRC060	79	81	600	4440	0.44400001	6.00E-02
TFRC060	81	83	550	12050	1.205	0.055
TFRC060	83	85	240	3410	0.34099999	0.024
TFRC060	85	87	150	6060	0.60600001	0.015
TFRC060	87	89	130	6410	0.64099997	0.013
TFRC060	89	91	110	4750	0.47499999	0.011
TFRC060	91	93	170	8100	0.81	1.70E-02
TFRC060	93	95	190	6030	0.60299999	1.90E-02
TFRC060	95	97	290	8200	0.81999999	2.90E-02
TFRC060	97	100	270	5120	0.51200002	2.70E-02
TFRC060	100	104	300	3880	0.38800001	3.00E-02
TFRC060	104	108	350	2400	0.23999999	0.035
TFRC060	108	112	1160	1320	0.132	0.116
TFRC060	112	116	840	1120	0.112	8.40E-02
TFRC060	116	119	2500	1540	0.154	0.25
TFRC060	119	122	900	840	8.40E-02	9.00E-02
TFRC060	122	125	530	1510	0.15099999	5.30E-02
TFRC061	1	5	580	710	7.10E-02	5.80E-02
TFRC061	5	9	310	910	9.10E-02	3.10E-02
TFRC061	9	13	1200	1500	0.15000001	0.12
TFRC061	13	17	2710	3330	0.333	0.271
TFRC061	17	21	1910	2290	0.229	0.191
TFRC061	21	25	2480	2440	0.244	0.248
TFRC061	25	29	1530	1800	0.18000001	0.153
TFRC061	29	33	7770	7050	0.70499998	0.77700001
TFRC061	33	37	2080	2490	0.249	0.208
TFRC061	37	41	530	840	8.40E-02	5.30E-02
TFRC061	41	44	260	810	0.081	2.60E-02
TFRC061	44	45	280	32600	3.26	2.80E-02
TFRC061	45	46	210	42000	4.1999998	0.021
TFRC061	46	47	320	94600	9.46	3.20E-02
TFRC061	47	48	280	50000	5	2.80E-02
TFRC061	48	49	220	92500	9.25	0.022
TFRC061	49	50	240	33800	3.3800001	0.024
TFRC061	50	51	260	33400	3.3399999	2.60E-02

TFRC061	51	52	210	35100	3.51	0.021
TFRC061	52	53	190	34200	3.4200001	1.90E-02
TFRC061	53	54	170	64700	6.4699998	1.70E-02
TFRC061	54	55	140	65300	6.5300002	0.014
TFRC061	55	56	120	22700	2.27	0.012
TFRC061	56	57	50	3740	0.37400001	5.00E-03
TFRC061	57	58	50	25600	2.5599999	5.00E-03
TFRC061	58	59	40	21700	2.1700001	4.00E-03
TFRC061	59	60	90	21100	2.1099999	9.00E-03
TFRC061	60	61	100	11200	1.12	1.00E-02
TFRC061	61	62	80	4330	0.433	8.00E-03
TFRC061	62	63	40	1100	0.11	4.00E-03
TFRC061	63	65	80	1170	0.117	8.00E-03
TFRC061	65	67	110	3320	0.33199999	0.011
TFRC061	67	69	240	1040	0.104	0.024
TFRC061	69	71	1170	940	9.40E-02	0.117
TFRC061	71	73	2430	5320	0.53200001	0.243
TFRC061	73	75	720	3130	0.31299999	7.20E-02
TFRC061	75	77	630	4290	0.42899999	6.30E-02
TFRC061	77	79	680	2300	0.23	6.80E-02
TFRC061	79	81	420	3710	0.37099999	4.20E-02
TFRC061	81	82	3450	1710	0.171	0.345
TFRC061	82	83	2340	1080	0.108	0.234
TFRC061	83	84	970	650	6.50E-02	9.70E-02
TFRC061	84	85	350	340	3.40E-02	0.035
TFRC061	85	86	240	240	0.024	0.024
TFRC061	86	90	290	440	0.044	2.90E-02
TFRC061	90	94	190	810	0.081	1.90E-02
TFRC061	94	98	140	550	0.055	0.014
TFRC061	98	102	190	450	4.50E-02	1.90E-02
TFRC061	102	106	180	1870	0.18700001	1.80E-02
TFRC061	106	110	200	4300	0.43000001	0.02
TFRC061	110	114	160	17900	1.79	1.60E-02
TFRC061	114	115	70	3510	0.35100001	7.00E-03
TFRC061	115	116	90	6540	0.65399998	9.00E-03
TFRC061	116	117	140	30900	3.0899999	0.014
TFRC061	117	118	140	44000	4.4000001	0.014
TFRC061	118	119	150	76800	7.6799998	0.015
TFRC061	119	120	1640	38600	3.8599999	0.164
TFRC061	120	121	100	33100	3.3099999	1.00E-02
TFRC061	121	122	110	21700	2.1700001	0.011
TFRC061	122	123	110	39900	3.99	0.011
TFRC061	123	124	110	46200	4.6199999	0.011
TFRC061	124	125	130	71300	7.1300001	0.013
TFRC061	125	126	180	91300	9.1300001	1.80E-02
TFRC061	126	127	160	23300	2.3299999	1.60E-02
TFRC061	127	128	370	8640	0.86400002	0.037
TFRC061	128	129	430	10600	1.0599999	4.30E-02
TFRC061	129	130	360	7650	0.76499999	3.60E-02
TFRC061	130	131	210	33700	3.3699999	0.021
TFRC061	131	132	1730	15900	1.59	0.17299999
TFRC061	132	133	1610	2870	0.287	0.161
TFRC061	133	134	1120	1110	0.111	0.112
TFRC061	134	135	4750	3180	0.31799999	0.47499999
TFRC061	135	136	1310	800	8.00E-02	0.131
TFRC061	138	139	1110	2270	0.227	0.111
TFRC061	139	140	1190	2470	0.24699999	0.119
TFRC061	140	141	1370	2820	0.28200001	0.13699999
TFRC061	141	142	780	5670	0.56699997	7.80E-02
TFRC061	142	143	810	1680	0.168	0.081
TFRC061	143	146	360	380	3.80E-02	3.60E-02
TFRC061	146	150	440	1860	0.186	0.044
TFRC062	0	4	1730	1060	0.106	0.17299999

TFRC062	4	8	15900	6910	0.69099998	1.59
TFRC062	8	12	6240	4050	0.405	0.62400001
TFRC062	12	16	4490	2910	0.29100001	0.449
TFRC062	16	20	2530	1320	0.132	0.25299999
TFRC062	20	24	2880	1840	0.184	0.28799999
TFRC062	24	28	880	1360	0.13600001	0.088
TFRC062	28	30	2340	3700	0.37	0.234
TFRC062	30	31	9830	17900	1.79	0.98299998
TFRC062	31	32	3660	23200	2.3199999	0.366
TFRC062	32	33	6720	67700	6.77	0.67199999
TFRC062	33	34	11350	45000	4.5	1.135
TFRC062	34	35	9560	35300	3.53	0.95599997
TFRC062	35	36	8750	19400	1.9400001	0.875
TFRC062	36	37	15050	19600	1.96	1.505
TFRC062	37	38	5870	39000	3.9000001	0.58700001
TFRC062	38	39	5340	15700	1.5700001	0.53399998
TFRC062	39	40	12300	19500	1.95	1.23
TFRC062	40	41	25900	26600	2.6600001	2.5899999
TFRC062	41	42	17550	35500	3.55	1.755
TFRC062	42	43	12350	58000	5.8000002	1.235
TFRC062	43	44	6630	15000	1.5	0.66299999
TFRC062	44	45	6300	12400	1.24	0.63
TFRC062	45	46	4230	10300	1.03	0.42300001
TFRC062	46	47	2240	14600	1.46	0.22400001
TFRC062	47	48	2030	9770	0.977	0.20299999
TFRC062	48	49	3680	19000	1.9	0.368
TFRC062	49	50	1900	19800	1.98	0.19
TFRC062	50	51	2620	18100	1.8099999	0.26199999
TFRC062	51	52	2490	21000	2.0999999	0.249
TFRC062	52	53	3020	14900	1.49	0.30199999
TFRC062	53	54	2990	28400	2.8399999	0.29899999
TFRC062	54	55	3240	15200	1.52	0.324
TFRC062	55	56	2060	15700	1.5700001	0.206
TFRC062	56	57	1940	24200	2.4200001	0.19400001
TFRC062	57	58	2010	17700	1.77	0.20100001
TFRC062	58	59	2060	19400	1.9400001	0.206
TFRC062	59	60	2290	20100	2.01	0.229
TFRC062	60	61	2640	15500	1.55	0.264
TFRC062	61	62	2630	19100	1.91	0.26300001
TFRC062	62	63	2430	16500	1.65	0.243
TFRC062	63	65	1890	13700	1.37	0.189
TFRC062	65	67	1910	14600	1.46	0.191
TFRC062	67	69	1680	6550	0.65499997	0.168
TFRC062	69	73	1460	4970	0.49700001	0.146
TFRC062	73	77	1360	4380	0.43799999	0.13600001
TFRC062	77	81	1010	7950	0.79500002	0.101
TFRC062	81	85	220	32200	3.22	0.022
TFRC062	85	89	970	7580	0.75800002	9.70E-02
TFRC062	89	93	1080	4710	0.47099999	0.108
TFRC062	93	97	1580	3310	0.331	0.15800001
TFRC062	97	101	340	600	6.00E-02	3.40E-02
TFRC062	101	105	180	450	4.50E-02	1.80E-02
TFRC062	105	109	120	440	0.044	0.012
TFRC062	109	113	120	270	2.70E-02	0.012
TFRC062	113	117	100	200	0.02	1.00E-02
TFRC062	117	121	50	150	0.015	5.00E-03
TFRC062	121	125	90	560	5.60E-02	9.00E-03
TFRC062	125	129	30	150	0.015	0.003
TFRC062	129	133	40	320	3.20E-02	4.00E-03
TFRC062	133	137	40	100	1.00E-02	4.00E-03
TFRC062	137	141	20	50	5.00E-03	2.00E-03
TFRC062	141	144	160	650	6.50E-02	1.60E-02
TFRC062	144	147	60	160	1.60E-02	6.00E-03

TFRC062	147	150	40	110	0.011	4.00E-03
TFRC063	3	7	300	1180	0.118	3.00E-02
TFRC063	7	11	4270	2990	0.29899999	0.42699999
TFRC063	11	15	14750	9550	0.95499998	1.475
TFRC063	15	19	3900	4340	0.43399999	0.38999999
TFRC063	19	23	2190	2850	0.285	0.219
TFRC063	23	27	2600	2350	0.235	0.25999999
TFRC063	27	30	1920	2760	0.27599999	0.192
TFRC063	30	32	30500	26300	2.6300001	3.05
TFRC063	32	33	7500	10300	1.03	0.75
TFRC063	33	34	2870	5250	0.52499998	0.287
TFRC063	34	35	1940	4120	0.412	0.19400001
TFRC063	35	36	690	2770	0.27700001	6.90E-02
TFRC063	36	37	550	4260	0.426	0.055
TFRC063	37	38	280	1340	0.134	2.80E-02
TFRC063	38	39	630	4580	0.458	6.30E-02
TFRC063	39	40	880	8690	0.86900002	0.088
TFRC063	40	44	270	1020	0.102	2.70E-02
TFRC063	44	46	110	330	0.033	0.011
TFRC063	47	51	290	1100	0.11	2.90E-02
TFRC063	51	55	190	470	4.70E-02	1.90E-02
TFRC063	55	59	170	190	1.90E-02	1.70E-02
TFRC063	59	62	170	470	4.70E-02	1.70E-02
TFRC063	63	65	690	2250	0.22499999	6.90E-02
TFRC063	65	66	780	2280	0.228	7.80E-02
TFRC063	66	67	1570	4730	0.47299999	0.15700001
TFRC063	68	69	2520	5680	0.56800002	0.252
TFRC063	70	71	1490	7640	0.764	0.149
TFRC063	71	72	1400	6590	0.65899998	0.14
TFRC063	72	73	2020	11200	1.12	0.20200001
TFRC063	73	74	1510	7120	0.71200001	0.15099999
TFRC063	74	76	320	1730	0.17299999	3.20E-02
TFRC063	76	77	400	11400	1.14	4.00E-02
TFRC063	77	78	360	7860	0.78600001	3.60E-02
TFRC063	78	79	650	13700	1.37	6.50E-02
TFRC063	79	80	730	14700	1.47	7.30E-02
TFRC063	80	81	870	13400	1.34	8.70E-02
TFRC063	81	82	700	9070	0.90700001	0.07
TFRC063	82	84	660	8790	0.87900001	0.066
TFRC063	84	85	840	7700	0.76999998	8.40E-02
TFRC063	85	86	1750	14400	1.4400001	0.175
TFRC063	86	87	1310	12600	1.26	0.131
TFRC063	87	88	710	6350	0.63499999	7.10E-02
TFRC063	88	90	1060	7380	0.73799998	0.106
TFRC063	90	92	1190	8880	0.88800001	0.119
TFRC063	92	94	1050	7920	0.792	0.105
TFRC063	94	96	990	6070	0.60699999	9.90E-02
TFRC063	96	98	1210	7830	0.78299999	0.121
TFRC063	98	100	1160	6440	0.64399999	0.116
TFRC063	100	102	1540	10400	1.04	0.154
TFRC063	102	104	670	6570	0.65700001	6.70E-02
TFRC063	104	106	1010	6700	0.67000002	0.101
TFRC063	106	108	530	4210	0.421	5.30E-02
TFRC063	108	112	1230	7110	0.71100003	0.123
TFRC063	112	116	880	5850	0.58499998	0.088
TFRC063	116	120	840	7460	0.74599999	8.40E-02
TFRC063	120	122	1520	9130	0.91299999	0.152
TFRC063	122	123	1000	3980	0.398	0.1
TFRC063	123	124	710	3710	0.37099999	7.10E-02
TFRC063	124	128	830	3620	0.36199999	8.30E-02
TFRC063	128	131	1210	5400	0.54000002	0.121
TFRC064	1	5	1540	1690	0.169	0.154
TFRC064	5	9	260	480	0.048	2.60E-02

TFRC064	9	13	120	330	0.033	0.012
TFRC064	13	17	100	340	3.40E-02	1.00E-02
TFRC064	17	21	180	490	4.90E-02	1.80E-02
TFRC064	21	25	180	530	5.30E-02	1.80E-02
TFRC064	25	29	140	440	0.044	0.014
TFRC064	29	33	160	500	5.00E-02	1.60E-02
TFRC064	33	37	150	740	7.40E-02	0.015
TFRC064	37	41	200	1100	0.11	0.02
TFRC064	41	45	490	2900	0.28999999	4.90E-02
TFRC064	45	49	670	3520	0.352	6.70E-02
TFRC064	49	53	420	2220	0.222	4.20E-02
TFRC064	53	57	230	1440	0.14399999	0.023
TFRC064	57	58	460	2470	0.24699999	0.046
TFRC064	60	64	440	1870	0.18700001	0.044
TFRC064	64	68	330	1320	0.132	0.033
TFRC064	68	72	290	1030	0.103	2.90E-02
TFRC064	72	74	150	1680	0.168	0.015
TFRC064	74	75	60	2110	0.211	6.00E-03
TFRC064	75	76	50	2450	0.245	5.00E-03
TFRC064	76	77	120	2900	0.28999999	0.012
TFRC064	77	78	130	2440	0.244	0.013
TFRC064	78	82	80	850	8.50E-02	8.00E-03
TFRC064	82	86	110	530	5.30E-02	0.011
TFRC064	86	90	160	370	0.037	1.60E-02
TFRC064	90	94	180	530	5.30E-02	1.80E-02
TFRC064	94	98	200	620	6.20E-02	0.02
TFRC064	98	102	90	460	0.046	9.00E-03
TFRC064	102	106	460	1340	0.134	0.046
TFRC064	106	110	230	510	5.10E-02	0.023
TFRC064	110	113	310	780	7.80E-02	3.10E-02
TFRC064	113	116	340	380	3.80E-02	3.40E-02
TFRC065	1	5	860	990	9.90E-02	8.60E-02
TFRC065	5	9	130	320	3.20E-02	0.013
TFRC065	9	13	150	360	3.60E-02	0.015
TFRC065	13	19	190	410	4.10E-02	1.90E-02
TFRC065	19	21	80	370	0.037	8.00E-03
TFRC065	21	25	100	540	5.40E-02	1.00E-02
TFRC065	25	29	80	610	6.10E-02	8.00E-03
TFRC065	29	33	100	640	6.40E-02	1.00E-02
TFRC065	33	37	130	720	7.20E-02	0.013
TFRC065	37	41	110	660	0.066	0.011
TFRC065	41	45	100	680	6.80E-02	1.00E-02
TFRC065	45	49	120	710	7.10E-02	0.012
TFRC065	49	53	100	560	5.60E-02	1.00E-02
TFRC065	53	57	110	680	6.80E-02	0.011
TFRC065	57	61	40	550	0.055	4.00E-03
TFRC065	61	65	60	550	0.055	6.00E-03
TFRC065	65	69	50	300	3.00E-02	5.00E-03
TFRC065	69	73	40	370	0.037	4.00E-03
TFRC065	73	77	50	370	0.037	5.00E-03
TFRC065	77	81	30	350	0.035	0.003
TFRC066	2	6	610	590	0.059	6.10E-02
TFRC066	6	10	370	550	0.055	0.037
TFRC066	10	14	510	1440	0.14399999	5.10E-02
TFRC066	14	18	310	1740	0.17399999	3.10E-02
TFRC066	18	22	280	880	0.088	2.80E-02
TFRC066	22	26	190	510	5.10E-02	1.90E-02
TFRC066	26	30	150	500	5.00E-02	0.015
TFRC066	30	31	110	760	7.60E-02	0.011
TFRC066	34	38	120	980	9.80E-02	0.012
TFRC066	38	42	110	1080	0.108	0.011
TFRC066	42	46	90	1730	0.17299999	9.00E-03
TFRC066	46	50	80	1210	0.121	8.00E-03

TFRC066	50	54	110	900	9.00E-02	0.011
TFRC066	54	58	90	840	8.40E-02	9.00E-03
TFRC066	58	62	70	610	6.10E-02	7.00E-03
TFRC066	62	66	90	910	9.10E-02	9.00E-03
TFRC066	66	70	70	1250	0.125	7.00E-03
TFRC066	70	71	60	1900	0.19	6.00E-03
TFRC066	71	72	80	26700	2.6700001	8.00E-03
TFRC066	72	73	60	66600	6.6599998	6.00E-03
TFRC066	73	74	40	87700	8.7700005	4.00E-03
TFRC066	74	75	50	29200	2.9200001	5.00E-03
TFRC066	75	76	60	34100	3.4100001	6.00E-03
TFRC066	76	77	50	17000	1.7	5.00E-03
TFRC066	77	78	40	6620	0.662	4.00E-03
TFRC066	78	80	70	2210	0.221	7.00E-03
TFRC066	80	82	70	1660	0.16599999	7.00E-03
TFRC066	82	84	90	390	3.90E-02	9.00E-03
TFRC066	86	90	100	810	0.081	1.00E-02
TFRC066	90	94	110	710	7.10E-02	0.011
TFRC066	94	98	120	1700	0.17	0.012
TFRC066	98	102	270	1850	0.185	2.70E-02
TFRC066	102	105	150	1420	0.142	0.015
TFRC066	105	107	610	1570	0.15700001	6.10E-02
TFRC066	108	112	390	900	9.00E-02	3.90E-02
TFRC066	112	116	210	530	5.30E-02	0.021
TFRC066	116	118	210	910	9.10E-02	0.021
TFRC066	118	120	190	560	5.60E-02	1.90E-02
TFRC066	120	123	150	420	4.20E-02	0.015
TFRC066	123	126	140	260	2.60E-02	0.014
TFRC066	126	129	260	620	6.20E-02	2.60E-02
TFRC066	129	131	140	500	5.00E-02	0.014
TFRC067	0	4	120	270	2.70E-02	0.012
TFRC067	4	8	150	380	3.80E-02	0.015
TFRC067	8	12	160	380	3.80E-02	1.60E-02
TFRC067	12	16	80	650	6.50E-02	8.00E-03
TFRC067	16	20	70	220	0.022	7.00E-03
TFRC067	20	24	100	800	8.00E-02	1.00E-02
TFRC067	24	28	160	1120	0.112	1.60E-02
TFRC067	28	32	100	540	5.40E-02	1.00E-02
TFRC067	32	36	110	540	5.40E-02	0.011
TFRC067	36	40	270	1260	0.126	2.70E-02
TFRC067	40	44	710	2320	0.23199999	7.10E-02
TFRC067	44	48	400	4220	0.42199999	4.00E-02
TFRC067	48	52	140	2210	0.221	0.014
TFRC067	52	56	40	1150	0.115	4.00E-03
TFRC067	56	60	240	2590	0.259	0.024
TFRC067	60	64	170	2090	0.20900001	1.70E-02
TFRC067	64	68	100	1700	0.17	1.00E-02
TFRC067	68	72	230	1650	0.16500001	0.023
TFRC067	72	74	530	1820	0.182	5.30E-02
TFRC067	74	75	390	2980	0.29800001	3.90E-02
TFRC067	75	76	330	2520	0.252	0.033
TFRC067	76	77	330	1660	0.16599999	0.033
TFRC067	77	78	860	4360	0.43599999	8.60E-02
TFRC067	78	79	1080	2630	0.26300001	0.108
TFRC067	79	80	1360	6190	0.61900002	0.13600001
TFRC067	80	81	1420	22300	2.23	0.142
TFRC067	81	82	1040	14900	1.49	0.104
TFRC067	82	83	1590	22000	2.2	0.15899999
TFRC067	83	84	1130	22100	2.21	0.113
TFRC067	84	85	830	11500	1.15	8.30E-02
TFRC067	85	86	820	16200	1.62	8.20E-02
TFRC067	86	87	860	18500	1.85	8.60E-02
TFRC067	87	88	930	21200	2.1199999	9.30E-02

TFRC067	88	89	2290	15700	1.5700001	0.229
TFRC067	89	90	920	3480	0.34799999	0.092
TFRC067	90	91	1510	7220	0.722	0.15099999
TFRC067	91	93	520	2190	0.219	5.20E-02
TFRC067	93	95	850	2240	0.22400001	8.50E-02
TFRC067	95	99	820	1680	0.168	8.20E-02
TFRC067	99	103	520	1320	0.132	5.20E-02
TFRC067	103	107	310	1180	0.118	3.10E-02
TFRC067	107	111	340	1320	0.132	3.40E-02
TFRC067	111	115	260	1170	0.117	2.60E-02
TFRC067	115	119	150	1420	0.142	0.015
TFRC067	119	123	190	1170	0.117	1.90E-02
TFRC067	123	127	140	880	0.088	0.014
TFRC067	127	131	80	190	1.90E-02	8.00E-03
TFRC067	131	136	40	200	0.02	4.00E-03
TFRC068	0	4	970	480	0.048	9.70E-02
TFRC068	4	8	470	250	0.025	4.70E-02
TFRC068	8	12	550	430	4.30E-02	0.055
TFRC068	12	16	520	440	0.044	5.20E-02
TFRC068	16	20	890	720	7.20E-02	8.90E-02
TFRC068	20	24	240	330	0.033	0.024
TFRC068	24	28	180	230	0.023	1.80E-02
TFRC068	28	32	140	150	0.015	0.014
TFRC068	32	36	300	340	3.40E-02	3.00E-02
TFRC068	36	40	70	70	7.00E-03	7.00E-03
TFRC068	40	44	30	10	0.001	0.003
TFRC068	44	48	60	130	0.013	6.00E-03
TFRC068	48	52	40	20	2.00E-03	4.00E-03
TFRC068	52	56	40	10	0.001	4.00E-03
TFRC068	56	60	10	20	2.00E-03	0.001
TFRC068	60	64	20	10	0.001	2.00E-03
TFRC068	64	68	30	10	0.001	0.003
TFRC068	68	72	20	10	0.001	2.00E-03
TFRC068	72	76	40	10	0.001	4.00E-03
TFRC068	76	80	40	30	0.003	4.00E-03
TFRC068	80	83	60	20	2.00E-03	6.00E-03
TFRC068	83	86	80	30	0.003	8.00E-03
TFRC069	1	5	100	200	0.02	1.00E-02
TFRC069	5	9	530	1050	0.105	5.30E-02
TFRC069	9	13	50	290	2.90E-02	5.00E-03
TFRC069	13	17	50	290	2.90E-02	5.00E-03
TFRC069	17	21	40	130	0.013	4.00E-03
TFRC069	21	25	40	100	1.00E-02	4.00E-03
TFRC069	25	29	20	40	4.00E-03	2.00E-03
TFRC069	29	33	20	20	2.00E-03	2.00E-03
TFRC069	33	37	20	10	0.001	2.00E-03
TFRC069	37	41	20	10	0.001	2.00E-03
TFRC069	41	45	30	10	0.001	0.003
TFRC069	45	49	10	20	2.00E-03	0.001
TFRC069	49	53	20	10	0.001	2.00E-03
TFRC069	53	57	20	10	0.001	2.00E-03
TFRC069	57	61	20	10	0.001	2.00E-03
TFRC069	61	65	10	10	0.001	0.001
TFRC069	65	69	20	10	0.001	2.00E-03
TFRC069	69	73	20	20	2.00E-03	2.00E-03
TFRC069	73	77	20	10	0.001	2.00E-03
TFRC069	77	81	10	30	0.003	0.001
TFRC069	81	85	20	20	2.00E-03	2.00E-03
TFRC069	85	89	20	10	0.001	2.00E-03
TFRC069	89	93	20	20	2.00E-03	2.00E-03
TFRC069	93	97	20	10	0.001	2.00E-03
TFRC069	97	101	20	10	0.001	2.00E-03
TFRC070	1	5	90	180	1.80E-02	9.00E-03

TFRC070	5	9	510	680	6.80E-02	5.10E-02
TFRC070	9	13	40	160	1.60E-02	4.00E-03
TFRC070	13	17	30	40	4.00E-03	0.003
TFRC070	17	21	10	20	2.00E-03	0.001
TFRC070	21	25	20	10	0.001	2.00E-03
TFRC070	25	29	30	10	0.001	0.003
TFRC070	29	33	20	10	0.001	2.00E-03
TFRC070	33	37	20	10	0.001	2.00E-03
TFRC070	37	41	30	10	0.001	0.003
TFRC070	41	45	20	10	0.001	2.00E-03
TFRC070	45	49	30	30	0.003	0.003
TFRC070	49	53	20	20	2.00E-03	2.00E-03
TFRC070	53	57	20	10	0.001	2.00E-03
TFRC070	57	61	20	10	0.001	2.00E-03
TFRC070	61	65	20	10	0.001	2.00E-03
TFRC070	65	69	30	10	0.001	0.003
TFRC070	69	73	20	10	0.001	2.00E-03
TFRC070	73	77	-10	10	0.001	-0.001
TFRC070	77	80	20	10	0.001	2.00E-03
TFRC071	0	4	70	170	1.70E-02	7.00E-03
TFRC071	4	8	110	190	1.90E-02	0.011
TFRC071	8	12	30	160	1.60E-02	0.003
TFRC071	12	16	30	230	0.023	0.003
TFRC071	16	20	20	180	1.80E-02	2.00E-03
TFRC071	20	24	30	120	0.012	0.003
TFRC071	24	28	20	50	5.00E-03	2.00E-03
TFRC071	28	32	40	30	0.003	4.00E-03
TFRC071	32	36	30	30	0.003	0.003
TFRC071	36	40	20	30	0.003	2.00E-03
TFRC071	40	44	70	160	1.60E-02	7.00E-03
TFRC071	44	48	70	400	4.00E-02	7.00E-03
TFRC071	48	52	80	150	0.015	8.00E-03
TFRC071	52	56	40	30	0.003	4.00E-03
TFRC071	56	60	30	100	1.00E-02	0.003
TFRC071	60	64	30	130	0.013	0.003
TFRC071	64	68	20	120	0.012	2.00E-03
TFRC071	68	72	10	10	0.001	0.001
TFRC071	72	76	10	10	0.001	0.001
TFRC071	76	80	10	10	0.001	0.001
TFRC072	0	4	140	290	2.90E-02	0.014
TFRC072	4	8	340	810	0.081	3.40E-02
TFRC072	8	12	20	510	5.10E-02	2.00E-03
TFRC072	12	16	10	300	3.00E-02	0.001
TFRC072	16	20	10	260	2.60E-02	0.001
TFRC072	20	24	130	340	3.40E-02	0.013
TFRC072	24	28	390	640	6.40E-02	3.90E-02
TFRC072	28	32	300	510	5.10E-02	3.00E-02
TFRC072	32	36	270	1740	0.17399999	2.70E-02
TFRC072	36	40	180	2160	0.21600001	1.80E-02
TFRC072	40	44	520	2710	0.271	5.20E-02
TFRC072	44	48	440	1810	0.18099999	0.044
TFRC072	48	51	460	1520	0.152	0.046
TFRC072	51	53	410	1700	0.17	4.10E-02
TFRC072	53	54	700	3490	0.34900001	0.07
TFRC072	54	55	480	9820	0.98199999	0.048
TFRC072	55	56	1830	19400	1.9400001	0.183
TFRC072	56	57	220	6870	0.68699998	0.022
TFRC072	57	58	270	5700	0.56999999	2.70E-02
TFRC072	58	59	230	9220	0.92199999	0.023
TFRC072	59	60	140	17900	1.79	0.014
TFRC072	60	61	120	4150	0.41499999	0.012
TFRC072	61	62	230	12100	1.21	0.023
TFRC072	62	63	360	5440	0.54400003	3.60E-02

TFRC072	63	64	540	15600	1.5599999	5.40E-02
TFRC072	64	65	440	8120	0.81199998	0.044
TFRC072	65	66	410	3800	0.38	4.10E-02
TFRC072	66	67	530	4070	0.40700001	5.30E-02
TFRC072	67	68	830	6070	0.60699999	8.30E-02
TFRC072	68	69	420	2550	0.255	4.20E-02
TFRC072	69	70	770	8530	0.85299999	0.077
TFRC072	70	71	710	5710	0.57099998	7.10E-02
TFRC072	71	72	530	11900	1.1900001	5.30E-02
TFRC072	72	73	430	5800	0.57999998	4.30E-02
TFRC072	73	75	350	2110	0.211	0.035
TFRC072	75	77	310	2920	0.292	3.10E-02
TFRC072	77	81	220	1670	0.167	0.022
TFRC072	81	85	210	390	3.90E-02	0.021
TFRC072	85	89	160	490	4.90E-02	1.60E-02
TFRC072	89	93	180	690	6.90E-02	1.80E-02
TFRC072	93	97	110	230	0.023	0.011
TFRC072	97	100	70	270	2.70E-02	7.00E-03
TFRC072	100	101	190	1750	0.175	1.90E-02
TFRC072	101	102	160	1590	0.15899999	1.60E-02
TFRC072	102	103	110	1890	0.189	0.011
TFRC072	103	104	160	2060	0.206	1.60E-02
TFRC072	104	105	110	1140	0.114	0.011
TFRC072	105	106	120	2350	0.235	0.012
TFRC072	106	107	130	1940	0.19400001	0.013
TFRC072	107	108	70	800	8.00E-02	7.00E-03
TFRC072	108	112	50	60	6.00E-03	5.00E-03
TFRC072	112	116	10	40	4.00E-03	0.001
TFRC072	116	120	20	290	2.90E-02	2.00E-03
TFRC072	120	124	20	390	3.90E-02	2.00E-03
TFRC072	124	128	80	880	0.088	8.00E-03
TFRC072	128	132	110	900	9.00E-02	0.011
TFRC072	132	136	70	150	0.015	7.00E-03
TFRC072	136	140	70	780	7.80E-02	7.00E-03
TFRC073	1	5	50	320	3.20E-02	5.00E-03
TFRC073	5	9	50	370	0.037	5.00E-03
TFRC073	9	13	60	310	3.10E-02	6.00E-03
TFRC073	13	17	290	1830	0.183	2.90E-02
TFRC073	17	21	480	1030	0.103	0.048
TFRC073	21	25	270	660	0.066	2.70E-02
TFRC073	25	29	580	690	6.90E-02	5.80E-02
TFRC073	29	33	370	690	6.90E-02	0.037
TFRC073	33	37	860	1040	0.104	8.60E-02
TFRC073	37	41	1200	1340	0.134	0.12
TFRC073	41	45	1240	1100	0.11	0.124
TFRC073	45	49	790	760	7.60E-02	7.90E-02
TFRC073	49	53	710	1010	0.101	7.10E-02
TFRC073	53	57	1230	1460	0.146	0.123
TFRC073	57	61	420	1860	0.186	4.20E-02
TFRC073	61	63	130	1910	0.191	0.013
TFRC073	63	65	260	2850	0.285	2.60E-02
TFRC073	65	67	80	550	0.055	8.00E-03
TFRC073	67	69	100	2850	0.285	1.00E-02
TFRC073	69	71	70	3270	0.32699999	7.00E-03
TFRC073	71	73	50	6060	0.60600001	5.00E-03
TFRC073	73	74	70	6310	0.63099998	7.00E-03
TFRC073	74	75	90	9070	0.90700001	9.00E-03
TFRC073	75	77	80	5960	0.59600002	8.00E-03
TFRC073	77	78	140	16550	1.655	0.014
TFRC073	78	79	130	25200	2.52	0.013
TFRC073	79	80	200	32500	3.25	0.02
TFRC073	80	81	330	6930	0.69300002	0.033
TFRC073	81	82	670	4260	0.426	6.70E-02

TFRC073	82	83	220	490	4.90E-02	0.022
TFRC073	83	87	180	1420	0.142	1.80E-02
TFRC073	87	91	100	1200	0.12	1.00E-02
TFRC073	91	95	110	1020	0.102	0.011
TFRC073	95	99	110	1060	0.106	0.011
TFRC073	99	101	60	1330	0.133	6.00E-03
TFRC073	101	103	60	1400	0.14	6.00E-03
TFRC073	103	104	60	1380	0.138	6.00E-03
TFRC073	104	105	60	1380	0.138	6.00E-03
TFRC073	105	106	120	27900	2.79	0.012
TFRC073	106	107	80	18500	1.85	8.00E-03
TFRC073	107	108	190	46500	4.6500001	1.90E-02
TFRC073	108	109	90	38300	3.8299999	9.00E-03
TFRC073	109	110	480	88500	8.8500004	0.048
TFRC073	110	111	150	66100	6.6100001	0.015
TFRC073	111	112	570	6670	0.667	0.057
TFRC073	112	113	110	1690	0.169	0.011
TFRC073	113	114	80	3050	0.30500001	8.00E-03
TFRC073	114	115	40	1730	0.17299999	4.00E-03
TFRC073	115	116	160	4140	0.414	1.60E-02
TFRC073	116	117	70	2250	0.22499999	7.00E-03
TFRC073	117	118	120	4800	0.47999999	0.012
TFRC073	118	119	210	44300	4.4299998	0.021
TFRC073	119	120	250	74300	7.4299998	0.025
TFRC073	120	121	200	8960	0.89600003	0.02
TFRC073	121	122	160	3020	0.30199999	1.60E-02
TFRC073	122	123	200	14400	1.4400001	0.02
TFRC073	123	124	350	6740	0.67400002	0.035
TFRC073	124	125	320	4210	0.421	3.20E-02
TFRC073	125	126	370	5580	0.55800003	0.037
TFRC073	126	127	510	4220	0.42199999	5.10E-02
TFRC073	127	128	830	2530	0.25299999	8.30E-02
TFRC073	128	129	930	2140	0.214	9.30E-02
TFRC073	129	130	1170	2150	0.215	0.117
TFRC073	130	131	1740	4600	0.46000001	0.17399999
TFRC073	131	132	680	7620	0.76200002	6.80E-02
TFRC073	132	133	1190	10700	1.0700001	0.119
TFRC073	133	134	710	8700	0.87	7.10E-02
TFRC073	134	135	420	9290	0.92900002	4.20E-02
TFRC073	135	136	410	7370	0.73699999	4.10E-02
TFRC073	136	137	970	8810	0.88099998	9.70E-02
TFRC073	137	138	720	2510	0.25099999	7.20E-02
TFRC073	138	139	670	3220	0.322	6.70E-02
TFRC073	139	140	430	4220	0.42199999	4.30E-02
TFRC073	140	141	350	3600	0.36000001	0.035
TFRC073	141	142	760	7080	0.708	7.60E-02
TFRC073	142	143	570	3070	0.30700001	0.057
TFRC073	143	144	580	2870	0.287	5.80E-02
TFRC073	144	145	420	2880	0.28799999	4.20E-02
TFRC073	145	146	300	1470	0.147	3.00E-02
TFRC073	146	147	530	3650	0.36500001	5.30E-02
TFRC073	147	150	280	670	6.70E-02	2.80E-02
TFRC074	1	5	130	500	5.00E-02	0.013
TFRC074	5	9	500	800	8.00E-02	5.00E-02
TFRC074	9	13	3130	2720	0.27200001	0.31299999
TFRC074	13	17	400	1090	0.109	4.00E-02
TFRC074	17	21	910	1530	0.153	9.10E-02
TFRC074	21	25	310	710	7.10E-02	3.10E-02
TFRC074	25	29	1490	1650	0.16500001	0.149
TFRC074	29	33	410	610	6.10E-02	4.10E-02
TFRC074	33	37	280	890	8.90E-02	2.80E-02
TFRC074	37	40	390	1280	0.12800001	3.90E-02
TFRC074	40	42	440	1520	0.152	0.044

TFRC074	42	43	1360	1580	0.15800001	0.13600001
TFRC074	43	44	1320	5400	0.54000002	0.132
TFRC074	44	45	1100	5620	0.56199998	0.11
TFRC074	45	46	630	1810	0.18099999	6.30E-02
TFRC074	46	47	470	4570	0.45699999	4.70E-02
TFRC074	47	48	470	3250	0.32499999	4.70E-02
TFRC074	48	49	330	2600	0.25999999	0.033
TFRC074	49	50	610	2070	0.207	6.10E-02
TFRC074	50	54	1240	1360	0.13600001	0.124
TFRC074	54	58	980	1040	0.104	9.80E-02
TFRC074	58	62	720	950	9.50E-02	7.20E-02
TFRC074	62	66	980	670	6.70E-02	9.80E-02
TFRC074	66	70	1410	570	0.057	0.141
TFRC074	70	74	240	410	4.10E-02	0.024
TFRC074	74	78	790	1510	0.15099999	7.90E-02
TFRC074	78	82	980	760	7.60E-02	9.80E-02
TFRC074	82	86	850	340	3.40E-02	8.50E-02
TFRC074	86	90	830	310	3.10E-02	8.30E-02
TFRC074	90	94	920	370	0.037	0.092
TFRC074	94	98	240	650	6.50E-02	0.024
TFRC074	98	102	140	240	0.024	0.014
TFRC074	102	106	200	240	0.024	0.02
TFRC074	106	110	180	360	3.60E-02	1.80E-02
TFRC074	110	114	180	350	0.035	1.80E-02
TFRC074	114	117	240	980	9.80E-02	0.024
TFRC074	117	120	80	840	8.40E-02	8.00E-03
TFRC075	0	4	230	700	0.07	0.023
TFRC075	4	8	1530	1150	0.115	0.153
TFRC075	8	12	920	1080	0.108	0.092
TFRC075	12	16	940	1530	0.153	9.40E-02
TFRC075	16	20	1330	1690	0.169	0.133
TFRC075	20	24	7640	7590	0.759	0.764
TFRC075	24	28	16350	11750	1.175	1.635
TFRC075	28	32	39200	33200	3.3199999	3.9200001
TFRC075	32	35	4180	5720	0.57200003	0.41800001
TFRC075	35	37	3530	5560	0.55599999	0.35299999
TFRC075	37	38	2850	5760	0.57599998	0.285
TFRC075	38	39	1930	9850	0.98500001	0.193
TFRC075	39	40	1710	65900	6.5900002	0.171
TFRC075	40	41	620	79400	7.9400001	6.20E-02
TFRC075	41	42	650	80800	8.0799999	6.50E-02
TFRC075	42	43	760	74800	7.48	7.60E-02
TFRC075	43	44	1010	27500	2.75	0.101
TFRC075	44	45	2640	13300	1.33	0.264
TFRC075	45	46	7310	18400	1.84	0.73100001
TFRC075	46	47	2220	26500	2.6500001	0.222
TFRC075	47	48	600	48900	4.8899999	6.00E-02
TFRC075	48	49	420	23600	2.3599999	4.20E-02
TFRC075	49	50	460	27200	2.72	0.046
TFRC075	50	51	1320	5890	0.58899999	0.132
TFRC075	51	52	4070	12300	1.23	0.40700001
TFRC075	52	53	2150	8870	0.88700002	0.215
TFRC075	53	55	3490	9310	0.93099999	0.34900001
TFRC075	55	56	6790	17800	1.78	0.67900002
TFRC075	56	57	5100	13050	1.3049999	0.50999999
TFRC075	57	58	5950	11750	1.175	0.59500003
TFRC075	58	61	5820	8400	0.83999997	0.58200002
TFRC075	61	62	4740	6220	0.62199998	0.47400001
TFRC075	62	63	5020	6020	0.602	0.50199997
TFRC075	63	64	7050	7640	0.764	0.70499998
TFRC075	64	65	9760	14750	1.475	0.97600001
TFRC075	65	66	5110	10350	1.035	0.51099998
TFRC075	66	67	1700	4140	0.414	0.17

TFRC075	67	71	1870	2950	0.29499999	0.18700001
TFRC075	71	75	750	1810	0.18099999	7.50E-02
TFRC075	75	79	510	1600	0.16	5.10E-02
TFRC075	79	83	530	1640	0.164	5.30E-02
TFRC075	83	87	440	1700	0.17	0.044
TFRC075	87	91	780	2370	0.237	7.80E-02
TFRC075	91	95	2450	3610	0.361	0.245
TFRC075	95	99	5220	3260	0.32600001	0.52200001
TFRC075	99	103	3500	1390	0.139	0.34999999
TFRC075	103	107	1550	540	5.40E-02	0.155
TFRC075	107	111	1100	670	6.70E-02	0.11
TFRC075	111	116	970	1020	0.102	9.70E-02
TFRC076	0	2	130	610	6.10E-02	0.013
TFRC076	3	7	130	740	7.40E-02	0.013
TFRC076	8	12	200	990	9.90E-02	0.02
TFRC076	12	16	450	1110	0.111	4.50E-02
TFRC076	16	20	2610	2060	0.206	0.26100001
TFRC076	20	24	1160	2410	0.241	0.116
TFRC076	24	28	400	1020	0.102	4.00E-02
TFRC076	28	32	830	1700	0.17	8.30E-02
TFRC076	32	36	610	1480	0.148	6.10E-02
TFRC076	36	40	1460	2250	0.22499999	0.146
TFRC076	40	42	450	1130	0.113	4.50E-02
TFRC076	42	44	1000	3980	0.398	0.1
TFRC076	44	45	1190	4410	0.44100001	0.119
TFRC076	45	46	1020	7570	0.75700003	0.102
TFRC076	46	47	470	9840	0.98400003	4.70E-02
TFRC076	47	48	260	3780	0.37799999	2.60E-02
TFRC076	48	49	200	2040	0.204	0.02
TFRC076	49	51	50	320	3.20E-02	5.00E-03
TFRC076	51	55	350	2130	0.213	0.035
TFRC076	55	59	310	1640	0.164	3.10E-02
TFRC076	59	63	200	1090	0.109	0.02
TFRC076	63	67	130	740	7.40E-02	0.013
TFRC076	67	71	380	2450	0.245	3.80E-02
TFRC077	1	5	530	960	9.60E-02	5.30E-02
TFRC077	5	9	260	550	0.055	2.60E-02
TFRC077	9	13	160	410	4.10E-02	1.60E-02
TFRC077	13	17	90	350	0.035	9.00E-03
TFRC077	17	21	180	390	3.90E-02	1.80E-02
TFRC077	21	25	140	380	3.80E-02	0.014
TFRC077	25	29	100	390	3.90E-02	1.00E-02
TFRC077	29	33	100	360	3.60E-02	1.00E-02
TFRC077	33	37	200	500	5.00E-02	0.02
TFRC077	37	41	180	470	4.70E-02	1.80E-02
TFRC077	41	45	170	630	6.30E-02	1.70E-02
TFRC077	45	49	340	1640	0.164	3.40E-02
TFRC077	49	53	380	1990	0.199	3.80E-02
TFRC077	53	57	630	2840	0.28400001	6.30E-02
TFRC077	57	61	250	1440	0.14399999	0.025
TFRC077	61	65	250	1360	0.13600001	0.025
TFRC077	65	69	570	2840	0.28400001	0.057
TFRC077	69	73	600	1960	0.19599999	6.00E-02
TFRC077	73	77	190	780	7.80E-02	1.90E-02
TFRC077	77	80	350	1390	0.139	0.035
TFRC078	1	5	2490	1650	0.16500001	0.249
TFRC078	5	9	240	350	0.035	0.024
TFRC078	9	13	130	270	2.70E-02	0.013
TFRC078	13	17	140	290	2.90E-02	0.014
TFRC078	19	21	120	440	0.044	0.012
TFRC078	21	25	130	570	0.057	0.013
TFRC078	25	29	150	590	0.059	0.015
TFRC078	29	33	170	720	7.20E-02	1.70E-02

TFRC078	33	37	170	680	6.80E-02	1.70E-02
TFRC078	37	41	140	540	5.40E-02	0.014
TFRC078	41	45	140	480	0.048	0.014
TFRC078	45	49	90	420	4.20E-02	9.00E-03
TFRC078	49	53	140	560	5.60E-02	0.014
TFRC078	53	57	80	480	0.048	8.00E-03
TFRC078	57	61	100	550	0.055	1.00E-02
TFRC078	61	65	140	700	0.07	0.014
TFRC078	65	69	100	650	6.50E-02	1.00E-02
TFRC078	69	73	80	570	0.057	8.00E-03
TFRC078	73	77	50	210	0.021	5.00E-03
TFRC078	77	80	50	160	1.60E-02	5.00E-03
TFRC079	2	6	60	150	0.015	6.00E-03
TFRC079	6	10	120	180	1.80E-02	0.012
TFRC079	10	14	40	90	9.00E-03	4.00E-03
TFRC079	14	18	40	120	0.012	4.00E-03
TFRC079	18	22	30	110	0.011	0.003
TFRC079	22	26	30	100	1.00E-02	0.003
TFRC079	26	30	20	120	0.012	2.00E-03
TFRC079	30	34	10	110	0.011	0.001
TFRC079	34	38	10	150	0.015	0.001
TFRC079	38	42	10	30	0.003	0.001
TFRC079	42	46	20	30	0.003	2.00E-03
TFRC079	46	50	10	20	2.00E-03	0.001
TFRC079	50	54	10	30	0.003	0.001
TFRC079	54	58	20	30	0.003	2.00E-03
TFRC079	58	62	20	30	0.003	2.00E-03
TFRC079	62	66	20	30	0.003	2.00E-03
TFRC079	66	70	20	-10	-0.001	2.00E-03
TFRC079	70	74	10	-10	-0.001	0.001
TFRC079	74	77	10	-10	-0.001	0.001
TFRC079	77	80	20	-10	-0.001	2.00E-03
TFRC080	1	5	80	140	0.014	8.00E-03
TFRC080	5	9	110	150	0.015	0.011
TFRC080	9	13	70	80	8.00E-03	7.00E-03
TFRC080	13	17	60	50	5.00E-03	6.00E-03
TFRC080	19	21	10	-10	-0.001	0.001
TFRC080	21	25	10	-10	-0.001	0.001
TFRC080	25	29	10	-10	-0.001	0.001
TFRC080	29	33	10	-10	-0.001	0.001
TFRC080	33	37	10	10	0.001	0.001
TFRC080	37	41	20	250	0.025	2.00E-03
TFRC080	41	45	10	-10	-0.001	0.001
TFRC080	45	49	10	-10	-0.001	0.001
TFRC080	49	53	10	-10	-0.001	0.001
TFRC080	53	57	20	-10	-0.001	2.00E-03
TFRC080	57	61	70	-10	-0.001	7.00E-03
TFRC080	61	65	20	10	0.001	2.00E-03
TFRC080	65	69	20	-10	-0.001	2.00E-03
TFRC080	69	73	10	-10	-0.001	0.001
TFRC080	73	77	-10	-10	-0.001	-0.001
TFRC080	77	80	-10	-10	-0.001	-0.001
TFRC081	2	5	150	230	0.023	0.015
TFRC081	6	10	590	330	0.033	0.059
TFRC081	10	14	360	240	0.024	3.60E-02
TFRC081	14	18	310	240	0.024	3.10E-02
TFRC081	18	22	110	250	0.025	0.011
TFRC081	22	26	240	150	0.015	0.024
TFRC081	26	30	60	60	6.00E-03	6.00E-03
TFRC081	30	34	30	-10	-0.001	0.003
TFRC081	34	38	20	10	0.001	2.00E-03
TFRC081	38	42	30	20	2.00E-03	0.003
TFRC081	42	46	20	10	0.001	2.00E-03

TFRC081	46	50	20	20	2.00E-03	2.00E-03
TFRC081	50	54	30	20	2.00E-03	0.003
TFRC081	54	58	30	20	2.00E-03	0.003
TFRC081	58	62	40	40	4.00E-03	4.00E-03
TFRC081	62	66	80	30	0.003	8.00E-03
TFRC081	66	70	100	20	2.00E-03	1.00E-02
TFRC081	70	74	100	10	0.001	1.00E-02
TFRC081	74	77	50	20	2.00E-03	5.00E-03
TFRC081	77	80	30	10	0.001	0.003
TFRC082	4	8	230	660	0.066	0.023
TFRC082	8	12	600	810	0.081	6.00E-02
TFRC082	12	16	350	820	8.20E-02	0.035
TFRC082	16	20	40	1570	0.15700001	4.00E-03
TFRC082	20	24	20	1400	0.14	2.00E-03
TFRC082	24	28	20	1000	0.1	2.00E-03
TFRC082	28	32	10	220	0.022	0.001
TFRC082	32	36	20	190	1.90E-02	2.00E-03
TFRC082	36	40	10	90	9.00E-03	0.001
TFRC082	40	44	10	40	4.00E-03	0.001
TFRC082	44	48	-10	10	0.001	-0.001
TFRC082	48	52	-10	170	1.70E-02	-0.001
TFRC082	52	56	20	420	4.20E-02	2.00E-03
TFRC082	56	60	20	950	9.50E-02	2.00E-03
TFRC082	60	61	20	2080	0.208	2.00E-03
TFRC082	61	62	790	10600	1.0599999	7.90E-02
TFRC082	62	63	320	74000	7.4000001	3.20E-02
TFRC082	63	64	550	43500	4.3499999	0.055
TFRC082	64	65	340	76000	7.5999999	3.40E-02
TFRC082	65	66	580	96900	9.6899996	5.80E-02
TFRC082	66	67	1790	70700	7.0700002	0.17900001
TFRC082	67	68	1090	86700	8.6700001	0.109
TFRC082	68	69	1790	115500	11.55	0.17900001
TFRC082	69	70	1160	56500	5.6500001	0.116
TFRC082	70	71	560	98500	9.8500004	5.60E-02
TFRC082	71	72	1190	153000	15.3	0.119
TFRC082	72	73	1810	120000	12	0.18099999
TFRC082	73	74	1380	132000	13.2	0.138
TFRC082	74	75	880	129000	12.9	0.088
TFRC082	75	76	500	80300	8.0299997	5.00E-02
TFRC082	76	77	460	80300	8.0299997	0.046
TFRC082	77	78	360	66600	6.6599998	3.60E-02
TFRC082	78	79	480	45500	4.5500002	0.048
TFRC082	79	80	580	60700	6.0700002	5.80E-02
TFRC082	80	81	570	50000	5	0.057
TFRC082	81	82	1770	39900	3.99	0.177
TFRC082	82	83	2970	14900	1.49	0.29699999
TFRC082	83	84	4140	40700	4.0700002	0.414
TFRC082	84	85	6240	51400	5.1399999	0.62400001
TFRC082	85	86	5130	20100	2.01	0.51300001
TFRC082	86	87	3060	29100	2.9100001	0.30599999
TFRC082	87	88	1120	9860	0.986	0.112
TFRC082	88	89	5460	23500	2.3499999	0.546
TFRC082	89	90	2720	13200	1.3200001	0.27200001
TFRC082	90	91	1490	24800	2.48	0.149
TFRC082	91	92	6870	26900	2.6900001	0.68699998
TFRC082	92	93	8970	22200	2.22	0.89700001
TFRC082	93	94	230	15800	1.58	0.023
TFRC082	94	95	200	43400	4.3400002	0.02
TFRC082	95	96	200	23100	2.3099999	0.02
TFRC082	96	97	1270	79500	7.9499998	0.127
TFRC082	97	98	1930	40200	4.02	0.193
TFRC082	98	99	1190	31500	3.1500001	0.119
TFRC082	99	100	720	20700	2.0699999	7.20E-02

TFRC082	100	101	1850	28200	2.8199999	0.185
TFRC082	101	102	3530	29000	2.9000001	0.35299999
TFRC082	102	103	390	32100	3.21	3.90E-02
TFRC082	103	104	260	42200	4.2199998	2.60E-02
TFRC082	104	105	190	30000	3	1.90E-02
TFRC082	105	106	240	41500	4.1500001	0.024
TFRC082	107	108	140	51800	5.1799998	0.014
TFRC082	108	109	130	46200	4.6199999	0.013
TFRC082	109	110	230	19100	1.91	0.023
TFRC082	110	111	190	38700	3.8699999	1.90E-02
TFRC082	111	112	470	28000	2.8	4.70E-02
TFRC082	112	113	160	26700	2.6700001	1.60E-02
TFRC082	113	114	180	27400	2.74	1.80E-02
TFRC082	114	115	130	20000	2	0.013
TFRC082	115	116	130	24500	2.45	0.013
TFRC082	116	117	360	25600	2.5599999	3.60E-02
TFRC082	117	118	90	32800	3.28	9.00E-03
TFRC082	118	119	90	32200	3.22	9.00E-03
TFRC082	119	120	100	25600	2.5599999	1.00E-02
TFRC082	120	121	210	16900	1.6900001	0.021
TFRC082	121	122	100	20000	2	1.00E-02
TFRC082	122	123	100	22800	2.28	1.00E-02
TFRC082	123	124	180	22400	2.24	1.80E-02
TFRC082	124	125	190	29900	2.99	1.90E-02
TFRC082	125	126	410	62100	6.21	4.10E-02
TFRC082	126	127	1450	76100	7.6100001	0.145
TFRC082	127	128	740	44900	4.4899998	7.40E-02
TFRC082	128	129	700	14400	1.4400001	0.07
TFRC082	129	130	240	5980	0.59799999	0.024
TFRC082	130	131	230	8930	0.89300001	0.023
TFRC082	131	132	340	16800	1.6799999	3.40E-02
TFRC082	132	133	80	3500	0.34999999	8.00E-03
TFRC082	133	134	20	1720	0.17200001	2.00E-03
TFRC082	134	135	60	5220	0.52200001	6.00E-03
TFRC082	135	136	50	4100	0.41	5.00E-03
TFRC082	136	137	1010	13600	1.36	0.101
TFRC082	137	138	720	64300	6.4299998	7.20E-02
TFRC082	138	139	1100	42500	4.25	0.11
TFRC082	139	140	1460	89400	8.9399996	0.146
TFRC082	140	141	2120	60200	6.02	0.212
TFRC082	143	144	1050	49700	4.9699998	0.105
TFRC082	144	145	660	20200	2.02	0.066
TFRC082	145	146	300	30000	3	3.00E-02
TFRC082	146	147	540	37700	3.77	5.40E-02
TFRC082	147	148	540	28100	2.8099999	5.40E-02
TFRC082	148	149	490	45500	4.5500002	4.90E-02
TFRC082	149	150	680	50400	5.04	6.80E-02
TFRC083	0	4	70	330	0.033	7.00E-03
TFRC083	4	8	550	800	8.00E-02	0.055
TFRC083	8	12	40	160	1.60E-02	4.00E-03
TFRC083	12	16	30	40	4.00E-03	0.003
TFRC083	16	20	20	20	2.00E-03	2.00E-03
TFRC083	20	24	20	20	2.00E-03	2.00E-03
TFRC083	24	28	20	10	0.001	2.00E-03
TFRC083	28	32	20	10	0.001	2.00E-03
TFRC083	32	36	20	10	0.001	2.00E-03
TFRC083	36	40	20	20	2.00E-03	2.00E-03
TFRC083	40	44	20	10	0.001	2.00E-03
TFRC083	44	48	10	20	2.00E-03	0.001
TFRC083	48	52	20	10	0.001	2.00E-03
TFRC083	52	56	10	10	0.001	0.001
TFRC083	56	60	20	20	2.00E-03	2.00E-03
TFRC083	60	64	10	20	2.00E-03	0.001

TFRC083	64	68	30	20	2.00E-03	0.003
TFRC083	68	72	10	10	0.001	0.001
TFRC083	72	76	20	10	0.001	2.00E-03
TFRC083	76	80	20	10	0.001	2.00E-03
TFRC084	1	5	220	390	3.90E-02	0.022
TFRC084	5	9	1050	1110	0.111	0.105
TFRC084	9	13	120	560	5.60E-02	0.012
TFRC084	13	17	100	390	3.90E-02	1.00E-02
TFRC084	17	21	260	460	0.046	2.60E-02
TFRC084	21	24	90	490	4.90E-02	9.00E-03
TFRC084	24	25	370	1470	0.147	0.037
TFRC084	25	26	500	6340	0.634	5.00E-02
TFRC084	26	27	240	6290	0.62900001	0.024
TFRC084	27	28	350	15500	1.55	0.035
TFRC084	28	29	790	36300	3.6300001	7.90E-02
TFRC084	29	30	430	49300	4.9299998	4.30E-02
TFRC084	30	31	590	39800	3.98	0.059
TFRC084	31	32	770	43600	4.3600001	0.077
TFRC084	32	33	750	46100	4.6100001	7.50E-02
TFRC084	33	34	980	46300	4.6300001	9.80E-02
TFRC084	34	35	2380	26700	2.6700001	0.23800001
TFRC084	35	36	950	20900	2.0899999	9.50E-02
TFRC084	36	37	610	21900	2.1900001	6.10E-02
TFRC084	37	38	880	36500	3.6500001	0.088
TFRC084	38	39	430	37600	3.76	4.30E-02
TFRC084	39	40	450	19100	1.91	4.50E-02
TFRC084	40	41	420	27100	2.71	4.20E-02
TFRC084	41	42	920	35300	3.53	0.092
TFRC084	42	43	140	4810	0.48100001	0.014
TFRC084	43	45	920	10000	1	0.092
TFRC084	45	47	930	9850	0.98500001	9.30E-02
TFRC084	48	49	1020	13100	1.3099999	0.102
TFRC084	49	50	940	15200	1.52	9.40E-02
TFRC084	50	51	630	11000	1.1	6.30E-02
TFRC084	51	53	840	10200	1.02	8.40E-02
TFRC084	53	55	170	3070	0.30700001	1.70E-02
TFRC084	55	56	100	1990	0.199	1.00E-02
TFRC084	56	57	150	3710	0.37099999	0.015
TFRC084	57	58	760	19700	1.97	7.60E-02
TFRC084	58	59	260	6920	0.69199997	2.60E-02
TFRC084	59	60	160	5260	0.52600002	1.60E-02
TFRC084	60	61	150	8640	0.86400002	0.015
TFRC084	61	62	180	26200	2.6199999	1.80E-02
TFRC084	62	63	80	14400	1.4400001	8.00E-03
TFRC084	63	64	80	9720	0.972	8.00E-03
TFRC084	64	65	130	12400	1.24	0.013
TFRC084	65	66	290	18600	1.86	2.90E-02
TFRC084	66	67	260	12100	1.21	2.60E-02
TFRC084	67	68	240	10000	1	0.024
TFRC084	68	70	100	5890	0.58899999	1.00E-02
TFRC084	70	72	160	5190	0.51899999	1.60E-02
TFRC084	72	74	170	5970	0.597	1.70E-02
TFRC084	74	75	100	2110	0.211	1.00E-02
TFRC084	75	76	210	4460	0.44600001	0.021
TFRC084	76	77	320	8350	0.83499998	3.20E-02
TFRC084	77	78	180	3810	0.38100001	1.80E-02
TFRC084	78	79	190	2910	0.29100001	1.90E-02
TFRC084	79	80	210	2320	0.23199999	0.021
TFRC084	80	82	250	5650	0.565	0.025
TFRC084	82	84	190	7210	0.72100002	1.90E-02
TFRC084	84	86	300	4100	0.41	3.00E-02
TFRC084	86	88	290	5270	0.52700001	2.90E-02
TFRC084	88	90	160	4460	0.44600001	1.60E-02

TFRC084	90	91	110	5330	0.53299999	0.011
TFRC084	91	92	130	2730	0.273	0.013
TFRC084	92	93	120	1790	0.17900001	0.012
TFRC084	93	95	100	1720	0.17200001	1.00E-02
TFRC084	95	97	60	2440	0.244	6.00E-03
TFRC084	97	99	50	4450	0.44499999	5.00E-03
TFRC084	99	101	90	1360	0.13600001	9.00E-03
TFRC084	101	103	40	1300	0.13	4.00E-03
TFRC084	103	105	50	4150	0.41499999	5.00E-03
TFRC084	105	107	190	5490	0.54900002	1.90E-02
TFRC084	107	109	80	3260	0.32600001	8.00E-03
TFRC084	109	111	70	6360	0.63599998	7.00E-03
TFRC084	111	113	100	15650	1.5650001	1.00E-02
TFRC084	113	115	540	13600	1.36	5.40E-02
TFRC084	115	117	-10	-10	-0.001	-0.001
TFRC084	117	119	180	8160	0.81599998	1.80E-02
TFRC084	119	121	120	2480	0.248	0.012
TFRC084	121	123	140	3820	0.382	0.014
TFRC084	123	125	70	3320	0.33199999	7.00E-03
TFRC084	125	127	90	2100	0.20999999	9.00E-03
TFRC084	127	129	60	1490	0.149	6.00E-03
TFRC084	129	131	80	4020	0.40200001	8.00E-03
TFRC084	131	133	-10	-10	-0.001	-0.001
TFRC084	133	135	120	3420	0.34200001	0.012
TFRC084	135	137	190	3310	0.331	1.90E-02
TFRC084	137	139	220	6540	0.65399998	0.022
TFRC084	139	141	120	2790	0.27900001	0.012
TFRC084	141	143	200	1510	0.15099999	0.02
TFRC084	143	145	110	1430	0.14300001	0.011
TFRC084	145	147	120	930	9.30E-02	0.012
TFRC084	147	150	90	1550	0.155	9.00E-03
TFRC085	1	4	1800	1280	0.12800001	0.18000001
TFRC085	4	5	310	840	8.40E-02	3.10E-02
TFRC085	5	6	4180	16800	1.6799999	0.41800001
TFRC085	6	7	2370	2690	0.26899999	0.237
TFRC085	7	11	880	1340	0.134	0.088
TFRC085	11	15	410	590	0.059	4.10E-02
TFRC085	15	18	590	620	6.20E-02	0.059
TFRC085	18	19	720	760	7.60E-02	7.20E-02
TFRC085	19	20	750	1010	0.101	7.50E-02
TFRC085	20	21	480	990	9.90E-02	0.048
TFRC085	21	25	570	1330	0.133	0.057
TFRC085	25	29	1200	2030	0.20299999	0.12
TFRC085	29	32	490	2040	0.204	4.90E-02
TFRC085	32	33	440	1880	0.18799999	0.044
TFRC085	33	34	620	12750	1.275	6.20E-02
TFRC085	34	35	460	6850	0.685	0.046
TFRC085	35	36	1980	43100	4.3099999	0.198
TFRC085	36	37	1930	49400	4.9400001	0.193
TFRC085	37	38	2350	61200	6.1199999	0.235
TFRC085	38	39	360	98400	9.8400002	3.60E-02
TFRC085	39	40	510	37800	3.78	5.10E-02
TFRC085	40	41	460	23500	2.3499999	0.046
TFRC085	41	42	440	35900	3.5899999	0.044
TFRC085	43	44	310	14250	1.425	3.10E-02
TFRC085	44	45	310	12850	1.285	3.10E-02
TFRC085	45	46	290	7500	0.75	2.90E-02
TFRC085	46	47	280	14150	1.415	2.80E-02
TFRC085	47	48	290	13800	1.38	2.90E-02
TFRC085	48	49	270	8860	0.88599998	2.70E-02
TFRC085	49	50	280	9120	0.912	2.80E-02
TFRC085	50	51	260	5450	0.54500002	2.60E-02
TFRC085	51	52	260	5830	0.583	2.60E-02

TFRC085	52	54	220	8820	0.88200003	0.022
TFRC085	54	56	170	6400	0.63999999	1.70E-02
TFRC085	56	58	210	5830	0.583	0.021
TFRC085	58	60	250	8780	0.87800002	0.025
TFRC085	60	61	310	7570	0.75700003	3.10E-02
TFRC085	61	62	270	10500	1.05	2.70E-02
TFRC085	62	63	220	7800	0.77999997	0.022
TFRC085	63	64	190	5560	0.55599999	1.90E-02
TFRC085	64	65	160	4180	0.41800001	1.60E-02
TFRC085	65	66	170	5520	0.55199999	1.70E-02
TFRC085	66	67	190	5670	0.56699997	1.90E-02
TFRC085	67	68	410	20500	2.05	4.10E-02
TFRC085	68	69	450	27600	2.76	4.50E-02
TFRC085	69	70	370	16200	1.62	0.037
TFRC085	70	71	300	8700	0.87	3.00E-02
TFRC085	71	72	260	9050	0.90499997	2.60E-02
TFRC085	72	73	190	5040	0.50400001	1.90E-02
TFRC085	73	74	200	6010	0.60100001	0.02
TFRC085	74	75	160	30500	3.05	1.60E-02
TFRC085	75	76	230	5460	0.546	0.023
TFRC085	76	77	230	5970	0.597	0.023
TFRC085	77	78	160	5870	0.58700001	1.60E-02
TFRC085	78	79	150	7920	0.792	0.015
TFRC085	79	80	150	4710	0.47099999	0.015
TFRC085	80	81	140	6000	0.60000002	0.014
TFRC085	81	82	160	8670	0.86699998	1.60E-02
TFRC085	82	83	170	11800	1.1799999	1.70E-02
TFRC085	83	84	160	9590	0.95899999	1.60E-02
TFRC085	84	85	170	7880	0.78799999	1.70E-02
TFRC085	85	86	190	16200	1.62	1.90E-02
TFRC085	86	87	190	20100	2.01	1.90E-02
TFRC085	87	88	170	17900	1.79	1.70E-02
TFRC085	88	89	140	17100	1.71	0.014
TFRC085	89	90	150	24400	2.4400001	0.015
TFRC085	90	91	180	40900	4.0900002	1.80E-02
TFRC085	91	92	170	65600	6.5599999	1.70E-02
TFRC085	92	93	140	29800	2.98	0.014
TFRC085	93	94	170	46200	4.6199999	1.70E-02
TFRC085	94	95	220	50800	5.0799999	0.022
TFRC085	95	96	120	36800	3.6800001	0.012
TFRC085	96	97	160	62800	6.2800002	1.60E-02
TFRC085	97	98	170	22500	2.25	1.70E-02
TFRC085	98	99	170	48900	4.8899999	1.70E-02
TFRC085	99	100	180	38100	3.8099999	1.80E-02
TFRC085	100	101	210	29400	2.9400001	0.021
TFRC085	101	102	260	94700	9.4700003	2.60E-02
TFRC085	102	103	230	48400	4.8400002	0.023
TFRC085	103	104	410	25400	2.54	4.10E-02
TFRC085	104	105	410	16200	1.62	4.10E-02
TFRC085	108	110	210	21500	2.1500001	0.021
TFRC085	110	112	300	20500	2.05	3.00E-02
TFRC085	112	114	520	25100	2.51	5.20E-02
TFRC085	114	116	150	21200	2.1199999	0.015
TFRC085	116	118	400	26700	2.6700001	4.00E-02
TFRC085	118	120	770	18700	1.87	0.077
TFRC085	120	122	840	21200	2.1199999	8.40E-02
TFRC085	122	124	90	18300	1.83	9.00E-03
TFRC085	124	126	470	29500	2.95	4.70E-02
TFRC085	126	128	2890	23000	2.3	0.289
TFRC085	128	130	810	19400	1.9400001	0.081
TFRC085	130	132	1320	21200	2.1199999	0.132
TFRC085	132	134	960	29000	2.9000001	9.60E-02
TFRC085	134	136	1330	25900	2.5899999	0.133

TFRC085	136	138	5350	23500	2.3499999	0.53500003
TFRC085	138	141	460	18200	1.8200001	0.046
TFRC086	0	4	60	150	0.015	6.00E-03
TFRC086	4	8	1190	960	9.60E-02	0.119
TFRC086	8	12	40	140	0.014	4.00E-03
TFRC086	12	16	30	90	9.00E-03	0.003
TFRC086	16	20	20	30	0.003	2.00E-03
TFRC086	20	24	20	10	0.001	2.00E-03
TFRC086	24	28	20	20	2.00E-03	2.00E-03
TFRC086	28	32	10	10	0.001	0.001
TFRC086	32	36	-10	10	0.001	-0.001
TFRC086	36	40	-10	10	0.001	-0.001
TFRC086	40	44	-10	-10	-0.001	-0.001
TFRC086	44	48	10	10	0.001	0.001
TFRC086	48	52	-10	10	0.001	-0.001
TFRC086	52	56	10	60	6.00E-03	0.001
TFRC086	56	60	10	30	0.003	0.001
TFRC086	60	64	20	10	0.001	2.00E-03
TFRC086	64	68	10	10	0.001	0.001
TFRC086	68	72	10	-10	-0.001	0.001
TFRC086	72	76	10	-10	-0.001	0.001
TFRC086	76	80	10	10	0.001	0.001
TFRC086	80	84	-10	10	0.001	-0.001
TFRC086	84	88	10	10	0.001	0.001
TFRC086	88	92	10	120	0.012	0.001
TFRC086	92	96	10	30	0.003	0.001
TFRC086	96	100	20	20	2.00E-03	2.00E-03
TFRC086	100	103	20	10	0.001	2.00E-03
TFRC086	103	106	20	10	0.001	2.00E-03
TFRC087	0	4	1000	640	6.40E-02	0.1
TFRC087	4	8	150	750	7.50E-02	0.015
TFRC087	8	12	340	850	8.50E-02	3.40E-02
TFRC087	12	16	770	1010	0.101	0.077
TFRC087	16	20	470	430	4.30E-02	4.70E-02
TFRC087	20	24	340	390	3.90E-02	3.40E-02
TFRC087	24	28	750	570	0.057	7.50E-02
TFRC087	28	32	470	480	0.048	4.70E-02
TFRC087	32	36	250	550	0.055	0.025
TFRC087	36	40	300	480	0.048	3.00E-02
TFRC087	40	44	670	810	0.081	6.70E-02
TFRC087	44	47	2530	1510	0.15099999	0.25299999
TFRC087	47	48	240	690	6.90E-02	0.024
TFRC087	48	49	310	1640	0.164	3.10E-02
TFRC087	49	50	270	790	7.90E-02	2.70E-02
TFRC087	50	54	230	700	0.07	0.023
TFRC087	54	58	150	740	7.40E-02	0.015
TFRC087	58	62	90	590	0.059	9.00E-03
TFRC087	62	66	110	610	6.10E-02	0.011
TFRC087	66	70	30	130	0.013	0.003
TFRC087	70	74	10	20	2.00E-03	0.001
TFRC087	74	77	10	30	0.003	0.001
TFRC087	77	80	10	30	0.003	0.001
TFRC088	0	4	80	250	0.025	8.00E-03
TFRC088	4	8	260	440	0.044	2.60E-02
TFRC088	8	12	60	460	0.046	6.00E-03
TFRC088	12	16	30	370	0.037	0.003
TFRC088	16	20	90	800	8.00E-02	9.00E-03
TFRC088	20	24	-10	420	4.20E-02	-0.001
TFRC088	24	28	-10	430	4.30E-02	-0.001
TFRC088	28	32	10	360	3.60E-02	0.001
TFRC088	32	36	20	300	3.00E-02	2.00E-03
TFRC088	36	40	30	530	5.30E-02	0.003
TFRC088	40	44	90	800	8.00E-02	9.00E-03

TFRC088	44	48	10	570	0.057	0.001
TFRC088	48	52	40	1480	0.148	4.00E-03
TFRC088	52	56	90	1010	0.101	9.00E-03
TFRC088	56	60	140	1550	0.155	0.014
TFRC088	60	64	200	840	8.40E-02	0.02
TFRC088	64	68	140	480	0.048	0.014
TFRC088	68	72	110	290	2.90E-02	0.011
TFRC088	72	75	100	410	4.10E-02	1.00E-02
TFRC088	75	76	180	420	4.20E-02	1.80E-02
TFRC088	76	77	790	1590	0.15899999	7.90E-02
TFRC088	78	79	740	750	7.50E-02	7.40E-02
TFRC088	79	80	340	860	8.60E-02	3.40E-02
TFRC088	80	81	420	630	6.30E-02	4.20E-02
TFRC088	81	82	930	810	0.081	9.30E-02
TFRC088	82	83	350	470	4.70E-02	0.035
TFRC088	83	84	310	570	0.057	3.10E-02
TFRC088	84	85	390	7920	0.792	3.90E-02
TFRC088	85	86	350	3410	0.34099999	0.035
TFRC088	86	87	290	5350	0.53500003	2.90E-02
TFRC088	87	88	160	25100	2.51	1.60E-02
TFRC088	88	89	150	31200	3.1199999	0.015
TFRC088	89	90	130	9700	0.97000003	0.013
TFRC088	90	91	90	5620	0.56199998	9.00E-03
TFRC088	91	92	250	20600	2.0599999	0.025
TFRC088	92	93	130	32100	3.21	0.013
TFRC088	93	94	180	27000	2.7	1.80E-02
TFRC088	94	95	110	5990	0.59899998	0.011
TFRC088	95	96	110	5610	0.56099999	0.011
TFRC088	96	97	110	5270	0.52700001	0.011
TFRC088	97	98	290	3900	0.38999999	2.90E-02
TFRC088	98	99	130	5400	0.54000002	0.013
TFRC088	99	100	290	2980	0.29800001	2.90E-02
TFRC088	100	101	260	6280	0.62800002	2.60E-02
TFRC088	101	102	540	4440	0.44400001	5.40E-02
TFRC088	102	103	530	6390	0.639	5.30E-02
TFRC088	103	104	1070	5060	0.50599998	0.107
TFRC088	104	105	650	1970	0.197	6.50E-02
TFRC088	105	106	640	3640	0.36399999	6.40E-02
TFRC088	106	107	340	4560	0.456	3.40E-02
TFRC088	107	108	840	2820	0.28200001	8.40E-02
TFRC088	108	112	390	1060	0.106	3.90E-02
TFRC088	112	116	160	520	5.20E-02	1.60E-02
TFRC088	116	117	90	340	3.40E-02	9.00E-03
TFRC088	117	118	60	180	1.80E-02	6.00E-03
TFRC088	118	119	90	190	1.90E-02	9.00E-03
TFRC088	119	121	80	220	0.022	8.00E-03
TFRC088	121	123	250	1360	0.13600001	0.025
TFRC088	123	125	170	690	6.90E-02	1.70E-02
TFRC088	125	127	130	520	5.20E-02	0.013
TFRC088	127	130	100	420	4.20E-02	1.00E-02
TFRC089	0	4	100	380	3.80E-02	1.00E-02
TFRC089	4	8	450	520	5.20E-02	4.50E-02
TFRC089	8	12	320	470	4.70E-02	3.20E-02
TFRC089	12	16	290	280	2.80E-02	2.90E-02
TFRC089	16	20	540	410	4.10E-02	5.40E-02
TFRC089	20	24	520	930	9.30E-02	5.20E-02
TFRC089	24	28	1100	1920	0.192	0.11
TFRC089	28	32	700	1240	0.124	0.07
TFRC089	32	36	3810	2270	0.227	0.38100001
TFRC089	36	40	1190	1800	0.18000001	0.119
TFRC089	40	44	590	960	9.60E-02	0.059
TFRC089	44	48	1180	1230	0.123	0.118
TFRC089	48	52	740	1130	0.113	7.40E-02

TFRC089	52	56	280	1180	0.118	2.80E-02
TFRC089	56	60	160	1070	0.107	1.60E-02
TFRC089	60	62	110	520	5.20E-02	0.011
TFRC089	62	64	100	1640	0.164	1.00E-02
TFRC089	64	66	140	2530	0.25299999	0.014
TFRC089	66	68	180	1870	0.18700001	1.80E-02
TFRC089	68	70	110	1550	0.155	0.011
TFRC089	70	72	230	2230	0.223	0.023
TFRC089	72	74	170	3100	0.31	1.70E-02
TFRC089	74	76	230	1720	0.17200001	0.023
TFRC089	76	78	70	660	0.066	7.00E-03
TFRC089	78	80	120	1300	0.13	0.012
TFRC089	80	84	110	960	9.60E-02	0.011
TFRC089	84	88	70	820	8.20E-02	7.00E-03
TFRC089	88	92	50	800	8.00E-02	5.00E-03
TFRC089	92	94	40	940	9.40E-02	4.00E-03
TFRC089	94	95	40	1080	0.108	4.00E-03
TFRC089	95	96	30	6750	0.67500001	0.003
TFRC089	96	97	50	69600	6.96	5.00E-03
TFRC089	97	98	50	25700	2.5699999	5.00E-03
TFRC089	98	99	50	80700	8.0699997	5.00E-03
TFRC089	99	100	50	35700	3.5699999	5.00E-03
TFRC089	100	101	100	55100	5.5100002	1.00E-02
TFRC089	101	102	90	6710	0.671	9.00E-03
TFRC089	102	103	100	49200	4.9200001	1.00E-02
TFRC089	103	104	100	5860	0.58600003	1.00E-02
TFRC089	104	105	130	11850	1.1849999	0.013
TFRC089	105	106	120	3380	0.338	0.012
TFRC089	106	107	90	2250	0.22499999	9.00E-03
TFRC089	107	110	90	620	6.20E-02	9.00E-03
TFRC089	110	113	870	2720	0.27200001	8.70E-02
TFRC089	113	116	250	2200	0.22	0.025
TFRC090	0	4	80	360	3.60E-02	8.00E-03
TFRC090	4	8	100	340	3.40E-02	1.00E-02
TFRC090	8	12	240	500	5.00E-02	0.024
TFRC090	12	16	2130	1400	0.14	0.213
TFRC090	16	20	1730	880	0.088	0.17299999
TFRC090	20	24	1850	1780	0.178	0.185
TFRC090	24	28	1090	1030	0.103	0.109
TFRC090	28	32	1060	1100	0.11	0.106
TFRC090	32	36	1670	2220	0.222	0.167
TFRC090	36	40	2250	1540	0.154	0.22499999
TFRC090	40	44	1450	1260	0.126	0.145
TFRC090	44	48	1210	1270	0.127	0.121
TFRC090	48	52	1770	2790	0.27900001	0.177
TFRC090	52	56	2060	3680	0.368	0.206
TFRC090	56	60	2280	2310	0.23100001	0.228
TFRC090	60	64	3150	2710	0.271	0.315
TFRC090	64	68	1730	2480	0.248	0.17299999
TFRC090	68	72	1590	1300	0.13	0.15899999
TFRC090	72	76	1290	1000	0.1	0.12899999
TFRC090	76	80	910	1360	0.13600001	9.10E-02
TFRC090	80	84	670	16400	1.64	6.70E-02
TFRC090	84	88	780	35500	3.55	7.80E-02
TFRC090	88	92	560	4750	0.47499999	5.60E-02
TFRC090	92	96	510	4990	0.49900001	5.10E-02
TFRC090	96	100	490	520	5.20E-02	4.90E-02
TFRC091	0	4	130	680	6.80E-02	0.013
TFRC091	4	8	110	400	4.00E-02	0.011
TFRC091	8	12	370	440	0.044	0.037
TFRC091	12	16	1660	960	9.60E-02	0.16599999
TFRC091	16	20	2340	1740	0.17399999	0.234
TFRC091	20	24	3430	2090	0.20900001	0.34299999

TFRC091	24	28	8100	2650	0.26499999	0.81
TFRC091	28	32	1940	2170	0.21699999	0.19400001
TFRC091	32	36	9120	6420	0.64200002	0.912
TFRC091	36	40	3690	3880	0.38800001	0.36899999
TFRC091	40	44	13250	11800	1.1799999	1.325
TFRC091	44	48	10500	9610	0.96100003	1.05
TFRC091	48	52	4540	4380	0.43799999	0.454
TFRC091	52	56	4770	3990	0.39899999	0.477
TFRC091	56	60	19000	14500	1.45	1.9
TFRC091	60	64	5910	9180	0.91799998	0.59100002
TFRC091	64	65	3560	7130	0.713	0.35600001
TFRC091	65	66	1100	4860	0.486	0.11
TFRC091	66	67	1090	4570	0.45699999	0.109
TFRC091	67	68	900	4210	0.421	9.00E-02
TFRC091	68	69	1170	6350	0.63499999	0.117
TFRC091	69	70	1330	5500	0.55000001	0.133
TFRC091	70	71	420	2020	0.20200001	4.20E-02
TFRC091	71	72	680	3070	0.30700001	6.80E-02
TFRC091	72	73	640	8460	0.84600002	6.40E-02
TFRC091	73	74	470	4070	0.40700001	4.70E-02
TFRC091	74	75	270	2380	0.23800001	2.70E-02
TFRC091	75	76	320	1510	0.15099999	3.20E-02
TFRC091	76	77	730	4130	0.41299999	7.30E-02
TFRC091	77	78	810	10900	1.09	0.081
TFRC091	78	79	810	4010	0.40099999	0.081
TFRC091	79	80	440	2930	0.29300001	0.044
TFRC091	80	83	430	2030	0.20299999	4.30E-02
TFRC091	83	85	540	2640	0.264	5.40E-02
TFRC091	85	86	1350	4130	0.41299999	0.13500001
TFRC091	86	87	770	3780	0.37799999	0.077
TFRC091	87	88	1240	10600	1.0599999	0.124
TFRC091	88	89	1480	7120	0.71200001	0.148
TFRC091	89	91	610	3500	0.34999999	6.10E-02
TFRC091	91	93	460	2550	0.255	0.046
TFRC091	93	94	1510	6740	0.67400002	0.15099999
TFRC091	94	95	1390	5940	0.59399998	0.139
TFRC091	95	96	1540	11200	1.12	0.154
TFRC091	96	97	610	4580	0.458	6.10E-02
TFRC091	97	98	390	3130	0.31299999	3.90E-02
TFRC091	98	100	230	970	9.70E-02	0.023
TFRC091	100	101	860	3530	0.35299999	8.60E-02
TFRC091	101	102	110	2520	0.252	0.011
TFRC091	102	103	330	15000	1.5	0.033
TFRC091	103	104	220	12200	1.22	0.022
TFRC091	104	105	130	10700	1.0700001	0.013
TFRC091	105	106	70	1860	0.186	7.00E-03
TFRC091	106	108	110	1550	0.155	0.011
TFRC091	108	110	120	1280	0.12800001	0.012
TFRC091	110	111	60	1250	0.125	6.00E-03
TFRC091	111	112	280	1940	0.19400001	2.80E-02
TFRC091	112	113	420	19000	1.9	4.20E-02
TFRC091	113	114	550	4910	0.491	0.055
TFRC091	114	115	240	1560	0.156	0.024
TFRC091	115	116	100	730	7.30E-02	1.00E-02
TFRC091	116	117	500	4620	0.46200001	5.00E-02
TFRC091	117	118	510	7380	0.73799998	5.10E-02
TFRC091	118	119	450	2030	0.20299999	4.50E-02
TFRC091	119	120	350	1880	0.18799999	0.035
TFRC091	120	121	520	3530	0.35299999	5.20E-02
TFRC091	121	122	300	1520	0.152	3.00E-02
TFRC091	122	123	540	4310	0.43099999	5.40E-02
TFRC091	123	124	1990	5730	0.57300001	0.199
TFRC091	124	125	1990	5290	0.52899998	0.199

TFRC092	10	14	120	620	6.20E-02	0.012
TFRC092	14	18	330	640	6.40E-02	0.033
TFRC092	18	22	510	1160	0.116	5.10E-02
TFRC092	22	26	460	1000	0.1	0.046
TFRC092	26	30	470	940	9.40E-02	4.70E-02
TFRC092	30	34	500	1540	0.154	5.00E-02
TFRC092	34	38	500	1300	0.13	5.00E-02
TFRC092	38	42	800	1840	0.184	8.00E-02
TFRC092	42	46	920	1480	0.148	0.092
TFRC092	46	47	1190	1970	0.197	0.119
TFRC092	50	51	1200	1850	0.185	0.12
TFRC092	52	56	1150	1320	0.132	0.115
TFRC092	56	60	580	980	9.80E-02	5.80E-02
TFRC092	60	61	640	1420	0.142	6.40E-02
TFRC092	62	66	730	2410	0.241	7.30E-02
TFRC092	66	70	900	2690	0.26899999	9.00E-02
TFRC093	1	2	600	2340	0.234	6.00E-02
TFRC093	4	8	480	1470	0.147	0.048
TFRC093	8	12	200	360	3.60E-02	0.02
TFRC093	12	16	140	230	0.023	0.014
TFRC093	16	20	210	340	3.40E-02	0.021
TFRC093	20	24	290	450	4.50E-02	2.90E-02
TFRC093	24	28	920	1090	0.109	0.092
TFRC093	28	32	1480	2210	0.221	0.148
TFRC093	32	36	1100	1790	0.17900001	0.11
TFRC093	36	40	1960	2760	0.27599999	0.19599999
TFRC093	40	44	1210	1870	0.18700001	0.121
TFRC093	44	48	690	1160	0.116	6.90E-02
TFRC093	48	52	480	880	0.088	0.048
TFRC093	52	56	590	1400	0.14	0.059
TFRC093	56	60	640	2330	0.233	6.40E-02
TFRC093	60	64	220	770	0.077	0.022
TFRC093	64	68	300	1050	0.105	3.00E-02
TFRC093	68	72	470	2330	0.233	4.70E-02
TFRC093	72	76	180	670	6.70E-02	1.80E-02
TFRC093	76	81	90	290	2.90E-02	9.00E-03
TFRC094	3	7	140	400	4.00E-02	0.014
TFRC094	7	11	150	280	2.80E-02	0.015
TFRC094	11	15	150	330	0.033	0.015
TFRC094	15	19	150	320	3.20E-02	0.015
TFRC094	19	23	130	440	0.044	0.013
TFRC094	23	27	110	620	6.20E-02	0.011
TFRC094	27	31	110	600	6.00E-02	0.011
TFRC094	31	35	120	670	6.70E-02	0.012
TFRC094	35	39	120	600	6.00E-02	0.012
TFRC094	39	43	130	570	0.057	0.013
TFRC094	43	47	200	950	9.50E-02	0.02
TFRC094	47	51	90	510	5.10E-02	9.00E-03
TFRC094	51	55	130	620	6.20E-02	0.013
TFRC094	55	59	120	550	0.055	0.012
TFRC094	59	63	100	490	4.90E-02	1.00E-02
TFRC094	63	67	120	560	5.60E-02	0.012
TFRC094	67	71	80	420	4.20E-02	8.00E-03
TFRC094	71	74	60	490	4.90E-02	6.00E-03
TFRC094	74	77	70	580	5.80E-02	7.00E-03
TFRC094	77	80	50	370	0.037	5.00E-03
TFRC095	0	1	110	3050	0.30500001	0.011
TFRC095	1	2	120	760	7.60E-02	0.012
TFRC095	2	3	530	1130	0.113	5.30E-02
TFRC095	3	4	310	900	9.00E-02	3.10E-02
TFRC095	4	8	220	610	6.10E-02	0.022
TFRC095	8	12	180	880	0.088	1.80E-02
TFRC095	12	16	70	1100	0.11	7.00E-03

TFRC095	16	20	140	800	8.00E-02	0.014
TFRC095	20	24	150	1570	0.15700001	0.015
TFRC095	24	28	160	1250	0.125	1.60E-02
TFRC095	28	32	40	1300	0.13	4.00E-03
TFRC095	32	35	70	2190	0.219	7.00E-03
TFRC095	35	36	40	2050	0.205	4.00E-03
TFRC095	36	37	80	57100	5.71	8.00E-03
TFRC095	37	38	40	70100	7.0100002	4.00E-03
TFRC095	38	39	480	97500	9.75	0.048
TFRC095	39	40	20	12300	1.23	2.00E-03
TFRC095	40	42	-10	7290	0.72899997	-0.001
TFRC095	42	46	-10	4740	0.47400001	-0.001
TFRC095	46	48	-10	4010	0.40099999	-0.001
TFRC095	48	50	-10	1080	0.108	-0.001
TFRC095	50	52	20	1460	0.146	2.00E-03
TFRC095	52	56	50	1480	0.148	5.00E-03
TFRC095	56	60	160	1670	0.167	1.60E-02
TFRC095	60	61	90	2570	0.257	9.00E-03
TFRC095	61	62	140	2760	0.27599999	0.014
TFRC095	62	63	330	14800	1.48	0.033
TFRC095	63	64	220	85400	8.54	0.022
TFRC095	64	65	120	8450	0.84500003	0.012
TFRC095	65	67	50	2260	0.226	5.00E-03
TFRC095	67	69	60	3000	0.30000001	6.00E-03
TFRC095	69	71	20	390	3.90E-02	2.00E-03
TFRC095	71	73	190	550	0.055	1.90E-02
TFRC095	73	75	260	1900	0.19	2.60E-02
TFRC095	75	77	170	1920	0.192	1.70E-02
TFRC095	77	79	1670	33100	3.3099999	0.167
TFRC095	79	81	430	3440	0.34400001	4.30E-02
TFRC095	81	83	700	4660	0.46599999	0.07
TFRC095	83	85	670	370	0.037	6.70E-02
TFRC095	85	87	8040	24300	2.4300001	0.80400002
TFRC095	87	88	7840	20300	2.03	0.78399998
TFRC095	89	91	9940	45200	4.52	0.99400002
TFRC095	91	93	14500	49800	4.98	1.45
TFRC095	93	95	4170	22900	2.29	0.417
TFRC095	95	96	4100	26300	2.6300001	0.41
TFRC095	97	99	1890	32100	3.21	0.189
TFRC095	99	101	1090	20300	2.03	0.109
TFRC095	101	103	1010	32100	3.21	0.101
TFRC095	103	105	1210	21000	2.0999999	0.121
TFRC095	105	107	2640	34100	3.4100001	0.264
TFRC095	107	109	4100	42400	4.2399998	0.41
TFRC095	109	111	5130	51000	5.0999999	0.51300001
TFRC095	111	113	970	31500	3.1500001	9.70E-02
TFRC095	113	115	2620	34800	3.48	0.26199999
TFRC095	115	117	1290	27500	2.75	0.12899999
TFRC095	117	119	1570	20700	2.0699999	0.15700001
TFRC095	119	121	1990	33200	3.3199999	0.199
TFRC095	121	123	570	26100	2.6099999	0.057
TFRC095	123	125	1910	29800	2.98	0.191
TFRC095	125	127	1020	20500	2.05	0.102
TFRC095	127	129	-10	10	0.001	-0.001
TFRC095	129	131	5100	40500	4.0500002	0.50999999
TFRC095	131	133	1990	34600	3.46	0.199
TFRC095	133	135	3810	37500	3.75	0.38100001
TFRC095	135	137	3600	41000	4.0999999	0.36000001
TFRC095	137	139	4470	33000	3.3	0.447
TFRC095	139	141	3570	26200	2.6199999	0.35699999
TFRC095	141	143	2480	27500	2.75	0.248
TFRC095	143	145	980	15900	1.59	9.80E-02
TFRC095	145	147	2070	23200	2.3199999	0.207

TFRC095	147	150	1290	16100	1.61	0.12899999
TFRC096	0	4	5340	4040	0.40400001	0.53399998
TFRC096	4	8	5770	1350	0.13500001	0.57700002
TFRC096	8	12	4420	1330	0.133	0.442
TFRC096	12	16	3020	1020	0.102	0.30199999
TFRC096	16	20	810	700	0.07	0.081
TFRC096	20	24	1310	1550	0.155	0.131
TFRC096	24	28	790	1610	0.161	7.90E-02
TFRC096	28	29	4980	4190	0.419	0.498
TFRC096	29	30	6520	27700	2.77	0.65200001
TFRC096	30	31	1330	4960	0.49599999	0.133
TFRC096	31	35	1550	5040	0.50400001	0.155
TFRC096	35	39	2100	5940	0.59399998	0.20999999
TFRC096	39	40	610	1650	0.16500001	6.10E-02
TFRC096	40	41	260	8120	0.81199998	2.60E-02
TFRC096	41	42	40	1840	0.184	4.00E-03
TFRC096	42	43	40	1880	0.18799999	4.00E-03
TFRC096	43	44	10	790	7.90E-02	0.001
TFRC096	44	45	10	600	6.00E-02	0.001
TFRC096	45	46	20	980	9.80E-02	2.00E-03
TFRC096	46	47	90	6470	0.64700001	9.00E-03
TFRC096	47	48	160	11000	1.1	1.60E-02
TFRC096	48	49	2080	44100	4.4099998	0.208
TFRC096	49	50	380	2780	0.278	3.80E-02
TFRC096	50	51	1080	17600	1.76	0.108
TFRC096	51	52	180	4190	0.419	1.80E-02
TFRC096	52	53	90	2860	0.28600001	9.00E-03
TFRC096	53	54	660	10700	1.0700001	0.066
TFRC096	54	55	300	12400	1.24	3.00E-02
TFRC096	55	56	460	5490	0.54900002	0.046
TFRC096	56	57	230	3740	0.37400001	0.023
TFRC096	57	58	300	10900	1.09	3.00E-02
TFRC096	58	59	210	3210	0.32100001	0.021
TFRC096	59	60	240	4290	0.42899999	0.024
TFRC096	60	61	810	19300	1.9299999	0.081
TFRC096	61	62	770	12100	1.21	0.077
TFRC096	62	63	240	4640	0.46399999	0.024
TFRC096	63	64	110	1590	0.15899999	0.011
TFRC096	64	65	780	14500	1.45	7.80E-02
TFRC096	65	66	1660	13400	1.34	0.16599999
TFRC096	66	67	820	11500	1.15	8.20E-02
TFRC096	67	68	80	2510	0.25099999	8.00E-03
TFRC096	68	69	190	6710	0.671	1.90E-02
TFRC096	69	70	160	12200	1.22	1.60E-02
TFRC096	70	71	1010	29200	2.9200001	0.101
TFRC096	71	72	510	23800	2.3800001	5.10E-02
TFRC096	72	73	360	16700	1.67	3.60E-02
TFRC096	73	74	350	11000	1.1	0.035
TFRC096	74	78	510	6700	0.67000002	5.10E-02
TFRC096	78	80	1000	7970	0.79699999	0.1
TFRC096	80	82	1160	13000	1.3	0.116
TFRC096	82	84	370	10500	1.05	0.037
TFRC096	84	86	620	7670	0.76700002	6.20E-02
TFRC096	86	88	700	42700	4.27	0.07
TFRC096	88	92	490	14100	1.41	4.90E-02
TFRC096	92	96	550	79500	7.9499998	0.055
TFRC096	96	100	960	51900	5.1900001	9.60E-02
TFRC096	100	104	680	24400	2.4400001	6.80E-02
TFRC096	104	108	360	10000	1	3.60E-02
TFRC096	108	112	610	14500	1.45	6.10E-02
TFRC096	112	116	340	7500	0.75	3.40E-02
TFRC096	116	120	820	9720	0.972	8.20E-02
TFRC096	120	122	750	6820	0.68199998	7.50E-02

TFRC096	122	124	420	7740	0.77399999	4.20E-02
TFRC096	124	126	500	17600	1.76	5.00E-02
TFRC096	126	128	570	7180	0.71799999	0.057
TFRC096	128	130	400	7190	0.71899998	4.00E-02
TFRC096	130	132	610	18300	1.83	6.10E-02
TFRC096	132	134	390	14000	1.4	3.90E-02
TFRC096	134	136	760	6780	0.67799997	7.60E-02
TFRC096	136	138	710	12700	1.27	7.10E-02
TFRC096	138	140	970	10600	1.0599999	9.70E-02
TFRC096	140	142	690	17400	1.74	6.90E-02
TFRC096	142	144	830	21700	2.1700001	8.30E-02
TFRC096	144	146	1130	17600	1.76	0.113
TFRC096	146	148	760	20300	2.03	7.60E-02
TFRC096	148	150	520	17100	1.71	5.20E-02
TFRC097	0	4	1000	2260	0.226	0.1
TFRC097	4	8	440	930	9.30E-02	0.044
TFRC097	8	12	70	890	8.90E-02	7.00E-03
TFRC097	12	16	50	880	0.088	5.00E-03
TFRC097	16	20	50	690	6.90E-02	5.00E-03
TFRC097	20	24	290	730	7.30E-02	2.90E-02
TFRC097	24	28	1930	810	0.081	0.193
TFRC097	28	32	220	2270	0.227	0.022
TFRC097	32	36	140	3120	0.31200001	0.014
TFRC097	36	40	110	1420	0.142	0.011
TFRC097	40	41	10	1820	0.182	0.001
TFRC097	41	42	290	8770	0.87699997	2.90E-02
TFRC097	42	43	240	4020	0.40200001	0.024
TFRC097	43	44	80	4150	0.41499999	8.00E-03
TFRC097	44	45	10	620	6.20E-02	0.001
TFRC097	45	48	-10	220	0.022	-0.001
TFRC097	48	51	30	110	0.011	0.003
TFRC097	51	52	10	230	0.023	0.001
TFRC097	52	53	30	110	0.011	0.003
TFRC097	53	54	40	3750	0.375	4.00E-03
TFRC097	54	55	180	39200	3.9200001	1.80E-02
TFRC097	55	56	200	14900	1.49	0.02
TFRC097	56	57	230	11500	1.15	0.023
TFRC097	57	58	140	6830	0.68300003	0.014
TFRC097	58	59	120	6170	0.61699998	0.012
TFRC097	59	60	160	5670	0.56699997	1.60E-02
TFRC097	60	61	230	8260	0.82599998	0.023
TFRC097	61	62	170	11400	1.14	1.70E-02
TFRC097	62	63	190	10750	1.075	1.90E-02
TFRC097	63	64	120	16800	1.6799999	0.012
TFRC097	64	65	110	16000	1.6	0.011
TFRC097	65	67	120	11650	1.165	0.012
TFRC097	67	69	150	14300	1.4299999	0.015
TFRC097	69	71	140	10500	1.05	0.014
TFRC097	71	73	170	8860	0.88599998	1.70E-02
TFRC097	73	75	160	7330	0.73299998	1.60E-02
TFRC097	75	77	680	9030	0.903	6.80E-02
TFRC097	77	79	420	5400	0.54000002	4.20E-02
TFRC097	79	81	300	5560	0.55599999	3.00E-02
TFRC097	81	85	530	5580	0.55800003	5.30E-02
TFRC097	85	89	900	18800	1.88	9.00E-02
TFRC097	89	93	790	15250	1.525	7.90E-02
TFRC097	93	97	2470	13100	1.3099999	0.24699999
TFRC097	97	101	1480	12750	1.275	0.148
TFRC097	101	105	6120	30600	3.0599999	0.61199999
TFRC097	105	109	2200	35100	3.51	0.22
TFRC097	109	113	3280	45200	4.52	0.32800001
TFRC097	113	114	2450	50900	5.0900002	0.245
TFRC097	114	115	8850	85200	8.5200005	0.88499999

TFRC097	115	116	9420	93600	9.3599997	0.94199997
TFRC097	116	117	5500	71800	7.1799998	0.55000001
TFRC097	117	118	4440	107000	10.7	0.44400001
TFRC097	118	119	1780	59500	5.9499998	0.178
TFRC097	119	121	3700	42700	4.27	0.37
TFRC097	121	123	2670	40100	4.0100002	0.26699999
TFRC097	123	125	850	35100	3.51	8.50E-02
TFRC097	125	126	1460	33000	3.3	0.146
TFRC097	126	127	2100	37100	3.71	0.20999999
TFRC097	127	128	410	31400	3.1400001	4.10E-02
TFRC097	128	129	680	32800	3.28	6.80E-02
TFRC097	129	130	1200	26600	2.6600001	0.12
TFRC097	130	131	1080	27700	2.77	0.108
TFRC097	131	132	1790	43000	4.3000002	0.17900001
TFRC097	132	133	330	16100	1.61	0.033
TFRC097	133	134	460	5910	0.59100002	0.046
TFRC097	134	135	460	6040	0.60399997	0.046
TFRC097	135	136	880	22100	2.21	0.088
TFRC097	136	137	1550	19500	1.95	0.155
TFRC097	137	138	820	16800	1.6799999	8.20E-02
TFRC097	138	139	360	31400	3.1400001	3.60E-02
TFRC097	139	140	270	10300	1.03	2.70E-02
TFRC097	140	142	930	13550	1.355	9.30E-02
TFRC097	142	144	550	13800	1.38	0.055
TFRC097	144	146	780	7340	0.73400003	7.80E-02
TFRC097	146	148	740	22100	2.21	7.40E-02
TFRC097	148	150	480	10050	1.005	0.048
TFRC098	0	4	370	600	6.00E-02	0.037
TFRC098	4	8	930	1200	0.12	9.30E-02
TFRC098	8	12	100	370	0.037	1.00E-02
TFRC098	12	16	290	780	7.80E-02	2.90E-02
TFRC098	16	20	120	1080	0.108	0.012
TFRC098	20	24	80	940	9.40E-02	8.00E-03
TFRC098	24	26	150	1010	0.101	0.015
TFRC098	26	27	180	1150	0.115	1.80E-02
TFRC098	27	28	150	7670	0.76700002	0.015
TFRC098	28	29	100	6890	0.68900001	1.00E-02
TFRC098	29	30	150	3650	0.36500001	0.015
TFRC098	30	31	110	2010	0.20100001	0.011
TFRC098	31	32	150	9080	0.90799999	0.015
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TFRC098	33	34	140	16700	1.67	0.014
TFRC098	34	35	70	7160	0.71600002	7.00E-03
TFRC098	35	36	110	11700	1.17	0.011
TFRC098	36	37	100	23300	2.3299999	1.00E-02
TFRC098	37	38	90	19000	1.9	9.00E-03
TFRC098	38	39	70	22200	2.22	7.00E-03
TFRC098	39	40	90	19650	1.965	9.00E-03
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TFRC098	43	44	60	29400	2.9400001	6.00E-03
TFRC098	44	45	90	37200	3.72	9.00E-03
TFRC098	45	46	140	31500	3.1500001	0.014
TFRC098	46	47	120	26000	2.5999999	0.012
TFRC098	47	48	70	18950	1.895	7.00E-03
TFRC098	48	49	60	24600	2.46	6.00E-03
TFRC098	49	50	100	27200	2.72	1.00E-02
TFRC098	50	51	390	33700	3.3699999	3.90E-02
TFRC098	51	52	330	12500	1.25	0.033
TFRC098	52	53	240	1440	0.14399999	0.024
TFRC098	53	54	450	7440	0.74400002	4.50E-02
TFRC098	54	56	640	2070	0.207	6.40E-02

TFRC098	56	58	570	2290	0.229	0.057
TFRC098	58	62	220	1570	0.15700001	0.022
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TFRC098	66	70	250	2600	0.25999999	0.025
TFRC098	70	71	250	1220	0.122	0.025
TFRC098	71	72	320	7530	0.75300002	3.20E-02
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TFRC099	3	7	20	90	9.00E-03	2.00E-03
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TFRC099	15	19	30	130	0.013	0.003
TFRC099	19	23	20	360	3.60E-02	2.00E-03
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TFRC099	75	78	-10	10	0.001	-0.001
TFRC099	78	80	-10	20	2.00E-03	-0.001
TFRC100	0	4	210	910	9.10E-02	0.021
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TFRC100	12	16	500	920	0.092	5.00E-02
TFRC100	16	20	190	1220	0.122	1.90E-02
TFRC100	20	24	100	1170	0.117	1.00E-02
TFRC100	24	28	110	1380	0.138	0.011
TFRC100	28	32	100	1400	0.14	1.00E-02
TFRC100	32	36	150	1250	0.125	0.015
TFRC100	36	40	120	1070	0.107	0.012
TFRC100	40	44	80	1420	0.142	8.00E-03
TFRC100	44	48	80	1410	0.141	8.00E-03
TFRC100	48	52	90	1260	0.126	9.00E-03
TFRC100	52	56	90	1720	0.17200001	9.00E-03
TFRC100	56	60	100	1210	0.121	1.00E-02
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TFRC100	68	72	80	1110	0.111	8.00E-03
TFRC100	72	76	60	1010	0.101	6.00E-03
TFRC100	76	80	90	2080	0.208	9.00E-03
TFRC100	80	84	100	1230	0.123	1.00E-02
TFRC100	84	88	140	930	9.30E-02	0.014
TFRC100	88	92	120	1780	0.178	0.012
TFRC100	92	96	1680	1190	0.119	0.168
TFRC100	96	100	330	860	8.60E-02	0.033
TFRC101	0	4	2250	2470	0.24699999	0.22499999
TFRC101	4	8	970	1460	0.146	9.70E-02
TFRC101	8	12	460	620	6.20E-02	0.046
TFRC101	12	16	730	750	7.50E-02	7.30E-02

TFRC101	16	20	810	1070	0.107	0.081
TFRC101	20	24	590	1170	0.117	0.059
TFRC101	24	28	130	4310	0.43099999	0.013
TFRC101	28	32	610	1430	0.14300001	6.10E-02
TFRC101	32	36	1230	2030	0.20299999	0.123
TFRC101	36	40	490	1970	0.197	4.90E-02
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TFRC101	44	48	640	12850	1.285	6.40E-02
TFRC101	48	52	460	6860	0.68599999	0.046
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TFRC102	9	13	30	420	4.20E-02	0.003
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TFRC102	17	21	20	1290	0.12899999	2.00E-03
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TFRC102	29	32	50	2370	0.237	5.00E-03
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TFRC103	1	2	430	2580	0.25799999	4.30E-02
TFRC103	2	3	1050	1560	0.156	0.105
TFRC103	3	4	500	2880	0.28799999	5.00E-02
TFRC103	4	5	460	8380	0.838	0.046
TFRC103	5	6	660	13550	1.355	0.066
TFRC103	6	7	590	10650	1.0650001	0.059
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TFRC103	16	17	940	6400	0.63999999	9.40E-02
TFRC103	17	18	780	5990	0.59899998	7.80E-02

TFRC103	18	19	820	6470	0.64700001	8.20E-02
TFRC103	19	20	480	7960	0.796	0.048
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TFRC103	26	27	810	14450	1.4450001	0.081
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TFRC103	54	55	830	37800	3.78	8.30E-02
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TFRC103	73	74	1660	12500	1.25	0.16599999
TFRC103	74	75	3470	68000	6.8000002	0.347
TFRC103	75	76	2430	72600	7.2600002	0.243
TFRC103	76	77	2890	58300	5.8299999	0.289
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TFRC103	82	83	1620	11700	1.17	0.162
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TFRC103	84	85	3550	15900	1.59	0.35499999
TFRC103	85	86	3750	54400	5.4400001	0.375
TFRC103	86	87	2770	62600	6.2600002	0.27700001
TFRC103	87	88	1950	25000	2.5	0.19499999
TFRC103	88	89	1810	23100	2.3099999	0.18099999
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TFRC104	24	28	110	840	8.40E-02	0.011
TFRC104	28	32	140	1130	0.113	0.014
TFRC104	32	36	130	850	8.50E-02	0.013
TFRC104	36	40	100	580	5.80E-02	1.00E-02
TFRC104	40	44	120	620	6.20E-02	0.012
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TFRC104	52	56	120	460	0.046	0.012
TFRC104	56	60	90	480	0.048	9.00E-03
TFRC104	60	64	70	340	3.40E-02	7.00E-03
TFRC104	64	68	160	490	4.90E-02	1.60E-02
TFRC104	68	72	120	370	0.037	0.012
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TFRC104	84	88	150	610	6.10E-02	0.015
TFRC104	88	92	1090	2680	0.26800001	0.109
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TFDH005	0	1	400	20300	2.03	4.00E-02
TFDH005	1	2	320	580	5.80E-02	3.20E-02
TFDH005	2	3	340	720	7.20E-02	3.40E-02
TFDH005	3	4	120	370	0.037	0.012
TFDH005	4	5	120	450	4.50E-02	0.012
TFDH005	5	6	200	890	8.90E-02	0.02
TFDH005	6	7	380	3180	0.31799999	3.80E-02
TFDH005	7	8	150	8260	0.82599998	0.015
TFDH005	8	9	150	4230	0.42300001	0.015
TFDH005	9	10	180	3420	0.34200001	1.80E-02
TFDH005	10	11	130	2070	0.207	0.013
TFDH005	11	12	110	2030	0.20299999	0.011
TFDH005	12	13	160	8530	0.85299999	1.60E-02
TFDH005	13	14	140	11700	1.17	0.014
TFDH005	14	15	190	11400	1.14	1.90E-02
TFDH005	15	16	260	7460	0.74599999	2.60E-02
TFDH005	16	17	460	20400	2.04	0.046
TFDH005	17	18	1040	79000	7.9000001	0.104
TFDH005	18	19	760	51700	5.1700001	7.60E-02
TFDH005	19	20	1080	82300	8.2299995	0.108
TFDH005	20	21	640	8880	0.88800001	6.40E-02
TFDH005	21	22	860	103500	10.35	8.60E-02
TFDH005	22	23	960	72900	7.29	9.60E-02
TFDH005	23	24	1070	44300	4.4299998	0.107
TFDH005	24	25	1640	13500	1.35	0.164
TFDH005	25	26	1340	5660	0.56599998	0.134
TFDH005	26	27	880	26400	2.6400001	0.088
TFDH005	27	28	1710	110500	11.05	0.171
TFDH005	28	29	1360	57300	5.73	0.13600001
TFDH005	29	30	3390	40000	4	0.33899999
TFDH005	30	31	2840	16250	1.625	0.28400001
TFDH005	31	32	2200	12150	1.215	0.22
TFDH005	32	33	1630	11200	1.12	0.163
TFDH005	33	34	1360	14250	1.425	0.13600001
TFDH005	34	35	440	4700	0.47	0.044
TFDH005	35	36	1580	10350	1.035	0.15800001
TFDH005	36	37	320	4340	0.43399999	3.20E-02
TFDH005	37	38	230	2860	0.28600001	0.023
TFDH005	38	39	1510	9380	0.93800002	0.15099999
TFDH005	39	40	1140	8130	0.81300002	0.114
TFDH005	40	41	1470	7890	0.78899997	0.147
TFDH005	41	42	510	3210	0.32100001	5.10E-02
TFDH005	42	43	510	2930	0.29300001	5.10E-02
TFDH005	43	44	410	2410	0.241	4.10E-02
TFDH005	44	45	240	3350	0.33500001	0.024
TFDH005	45	47	170	4090	0.40900001	1.70E-02
TFDH005	47	49	230	1750	0.175	0.023
TFDH005	49	51	70	2130	0.213	7.00E-03
TFDH005	51	53	90	1680	0.168	9.00E-03

TFDH005	53	55	120	1710	0.171	0.012
TFDH005	55	57	40	1140	0.114	4.00E-03
TFDH005	57	59	70	670	6.70E-02	7.00E-03
TFDH005	59	61	740	1700	0.17	7.40E-02
TFDH005	61	63	3450	3370	0.33700001	0.345
TFDH005	63	65	860	4260	0.426	8.60E-02
TFDH005	65	67	380	2010	0.20100001	3.80E-02
TFDH005	67	69	640	2420	0.242	6.40E-02
TFDH005	69	71	630	1850	0.185	6.30E-02
TFDH005	71	73	690	1760	0.176	6.90E-02
TFDH005	73	75	360	1420	0.142	3.60E-02
TFDH005	75	77	230	1050	0.105	0.023
TFDH005	77	79	320	1360	0.13600001	3.20E-02
TFDH005	79	81	230	940	9.40E-02	0.023
TFDH005	81	83	130	950	9.50E-02	0.013
TFDH005	83	85	570	2840	0.28400001	0.057
TFDH005	85	87	280	1090	0.109	2.80E-02
TFDH005	87	89.099998	510	1930	0.193	5.10E-02
TFDH005	95.099998	96	10	60	6.00E-03	0.001
TFDH005	96	97	920	1590	0.15899999	0.092
TFDH005	97	98	2680	13500	1.35	0.26800001
TFDH005	98	98.099998	2010	16000	1.6	0.20100001
TFDH005	99.599998	100	14600	66100	6.6100001	1.46
TFDH005	100	101	14500	59100	5.9099998	1.45
TFDH005	101	101.1	10400	51200	5.1199999	1.04
TFDH005	102.6	103	1040	24600	2.46	0.104
TFDH005	103	104	1240	20900	2.0899999	0.124
TFDH005	104	105	1550	13900	1.39	0.155
TFDH005	105	106	4450	17200	1.72	0.44499999
TFDH005	106	107.1	7500	15400	1.54	0.75
TFDH005	107.1	109	3090	18200	1.8200001	0.30899999
TFDH005	109	110	1640	13300	1.33	0.164
TFDH005	110	111	3490	18500	1.85	0.34900001
TFDH005	111	112	2480	19500	1.95	0.248
TFDH005	112	113	4250	17400	1.74	0.42500001
TFDH005	113	114	3850	12500	1.25	0.38499999
TFDH005	114	114.6	1300	12500	1.25	0.13
TFDH005	116.1	117	2890	12000	1.2	0.289
TFDH005	117	118	7070	10500	1.05	0.70700002
TFDH005	118	119	18300	13600	1.36	1.83
TFDH005	119	120	14000	25400	2.54	1.4
TFDH005	120	121	5280	17700	1.77	0.528
TFDH005	121	122	16650	28600	2.8599999	1.665
TFDH005	122	123	16400	17000	1.7	1.64
TFDH005	123	124	2090	30200	3.02	0.20900001
TFDH005	124	125	2050	72600	7.2600002	0.205
TFDH005	125	126	2540	18100	1.8099999	0.25400001
TFDH005	126	127	930	78000	7.8000002	9.30E-02
TFDH005	127	128	460	80200	8.0200005	0.046
TFDH005	128	129	970	144500	14.45	9.70E-02
TFDH005	131	132	980	42900	4.29	9.80E-02
TFDH005	132	133	800	40400	4.04	8.00E-02
TFDH005	133	134	5540	68000	6.8000002	0.55400002
TFDH005	134	135	2080	12100	1.21	0.208
TFDH005	135	136	3530	12900	1.29	0.35299999
TFDH005	136	137	730	19700	1.97	7.30E-02
TFDH005	137	138	550	22100	2.21	0.055
TFDH005	138	139	1360	166500	16.65	0.13600001
TFDH005	139	140	1240	20800	2.0799999	0.124
TFDH005	140	141	4640	36500	3.6500001	0.46399999
TFDH005	141	142	6410	39200	3.9200001	0.64099997
TFDH005	142	143	2780	23100	2.3099999	0.278
TFDH005	143	144	870	7070	0.70700002	8.70E-02

TFDH005	144	145	250	50	5.00E-03	0.025
TFDH005	145	146	160	460	0.046	1.60E-02
TFDH005	146	148	150	20	2.00E-03	0.015
TFDH005	148	150	100	10	0.001	1.00E-02
TFDH005	150	152	110	20	2.00E-03	0.011
TFDH005	152	154	110	10	0.001	0.011
TFDH005	154	156	60	-10	-0.001	6.00E-03
TFDH005	156	158	60	-10	-0.001	6.00E-03
TFDH005	158	160	320	30	0.003	3.20E-02
TFDH005	160	162	410	30	0.003	4.10E-02
TFDH005	162	164	500	70	7.00E-03	5.00E-02
TFDH005	164	166	140	20	2.00E-03	0.014
TFDH005	166	168	350	50	5.00E-03	0.035
TFDH005	168	170	460	30	0.003	0.046
TFDH005	170	172	260	20	2.00E-03	2.60E-02
TFDH005	172	174	300	20	2.00E-03	3.00E-02
TFDH005	174	176	200	210	0.021	0.02
TFDH005	176	178	440	20	2.00E-03	0.044
TFDH005	178	180	250	20	2.00E-03	0.025
TFDH005	180	182	140	20	2.00E-03	0.014
TFDH005	182	184	140	10	0.001	0.014
TFDH005	184	186	90	20	2.00E-03	9.00E-03
TFDH005	186	188	130	10	0.001	0.013
TFDH005	188	190	180	10	0.001	1.80E-02
TFDH005	190	192	210	10	0.001	0.021
TFDH005	192	194	210	10	0.001	0.021
TFDH005	194	196	140	20	2.00E-03	0.014
TFDH005	196	198	260	20	2.00E-03	2.60E-02
TFDH005	198	200	140	660	0.066	0.014
TFDH005	200	202	70	4010	0.40099999	7.00E-03
TFDH005	202	204	550	100	1.00E-02	0.055
TFDH005	204	206	360	20	2.00E-03	3.60E-02
TFDH005	206	208	230	20	2.00E-03	0.023
TFDH005	208	210	230	20	2.00E-03	0.023
TFDH005	210	212	220	10	0.001	0.022
TFDH005	212	214	300	20	2.00E-03	3.00E-02
TFDH005	214	216	700	20	2.00E-03	0.07
TFDH005	216	218	1850	40	4.00E-03	0.185
TFDH005	218	220	400	30	0.003	4.00E-02
TFDH005	220	222	360	50	5.00E-03	3.60E-02
TFDH005	222	224	1070	40	4.00E-03	0.107
TFDH005	224	226	2560	140	0.014	0.25600001
TFDH005	226	228	670	50	5.00E-03	6.70E-02
TFDH005	228	230	280	660	0.066	2.80E-02
TFDH005	230	232	130	1350	0.13500001	0.013
TFDH005	232	233	110	1090	0.109	0.011
TFDH005	233	234	40	350	0.035	4.00E-03
TFDH005	234	236	30	20	2.00E-03	0.003
TFDH005	236	238	30	10	0.001	0.003
TFDH005	238	240	30	100	1.00E-02	0.003
TFDH005	240	242	50	510	5.10E-02	5.00E-03
TFDH005	242	243	100	1940	0.19400001	1.00E-02
TFDH005	243	244	140	3040	0.30399999	0.014
TFDH005	244	245	160	4690	0.46900001	1.60E-02
TFDH005	245	246	150	3410	0.34099999	0.015
TFDH005	246	247	240	11900	1.1900001	0.024
TFDH005	247	248	30	30	0.003	0.003
TFDH005	248	250	60	390	3.90E-02	6.00E-03
TFDH005	250	252	80	210	0.021	8.00E-03
TFDH005	252	254	20	180	1.80E-02	2.00E-03
TFDH005	254	256	30	330	0.033	0.003
TFDH005	256	258	140	610	6.10E-02	0.014
TFDH005	258	260	40	140	0.014	4.00E-03

TFDH005	260	262	-10	10	0.001	-0.001
TFDH005	262	264	10	20	2.00E-03	0.001
TFDH005	264	266	30	100	1.00E-02	0.003
TFDH005	266	268	30	200	0.02	0.003
TFDH005	268	270	900	170	1.70E-02	9.00E-02
TFDH005	270	272	610	120	0.012	6.10E-02
TFDH005	272	273	1010	140	0.014	0.101
TFDH005	273	274	1050	120	0.012	0.105
TFDH005	274	275	2100	400	4.00E-02	0.20999999
TFDH005	275	276	3930	840	8.40E-02	0.39300001
TFDH005	276	277	1610	240	0.024	0.161
TFDH005	277	278	1850	280	2.80E-02	0.185
TFDH005	278	280	850	70	7.00E-03	8.50E-02
TFDH005	280	282	2480	690	6.90E-02	0.248
TFDH005	282	284	5150	1550	0.155	0.51499999
TFDH005	284	286	7840	2460	0.24600001	0.78399998
TFDH005	286	288	2130	320	3.20E-02	0.213
TFDH005	288	289	2690	420	4.20E-02	0.26899999
TFDH005	289	290	1410	180	1.80E-02	0.141
TFDH005	290	291	1340	320	3.20E-02	0.134
TFDH005	291	292	750	290	2.90E-02	7.50E-02
TFDH005	292	293	620	1820	0.182	6.20E-02
TFDH005	293	294	1810	4470	0.447	0.18099999
TFDH005	294	295	4630	3090	0.30899999	0.463
TFDH005	295	296	7070	2150	0.215	0.70700002
TFDH005	296	297	5450	1670	0.167	0.54500002
TFDH005	297	298	3200	1410	0.141	0.31999999
TFDH005	298	299	14500	5540	0.55400002	1.45
TFDH005	299	300.60001	12700	5000	0.5	1.27
TFDH006	0	2	580	5490	0.54900002	5.80E-02
TFDH006	2	4	1670	3720	0.37200001	0.167
TFDH006	4	6	1760	1180	0.118	0.176
TFDH006	6	8	7590	2020	0.20200001	0.759
TFDH006	8	10	1590	860	8.60E-02	0.15899999
TFDH006	10	12	920	720	7.20E-02	0.092
TFDH006	12	14	1240	830	8.30E-02	0.124
TFDH006	14	16	6360	2010	0.20100001	0.63599998
TFDH006	16	18	1150	890	8.90E-02	0.115
TFDH006	18	20	920	1090	0.109	0.092
TFDH006	20	22	930	1610	0.161	9.30E-02
TFDH006	22	24	370	470	4.70E-02	0.037
TFDH006	24	26	180	380	3.80E-02	1.80E-02
TFDH006	26	28	320	380	3.80E-02	3.20E-02
TFDH006	28	30	260	460	0.046	2.60E-02
TFDH006	30	32	310	480	0.048	3.10E-02
TFDH006	32	34	420	1630	0.163	4.20E-02
TFDH006	34	36	640	3000	0.30000001	6.40E-02
TFDH006	36	38	930	3990	0.39899999	9.30E-02
TFDH006	38	39	2310	6830	0.68300003	0.23100001
TFDH006	39	40	1380	6940	0.69400001	0.138
TFDH006	40	41	790	5320	0.53200001	7.90E-02
TFDH006	41	42	1070	6030	0.60299999	0.107
TFDH006	42	43	1090	4980	0.498	0.109
TFDH006	43	44	1560	5620	0.56199998	0.156
TFDH006	44	45	3840	4770	0.477	0.384
TFDH006	45	46	1960	4770	0.477	0.19599999
TFDH006	46	47	800	2660	0.266	8.00E-02
TFDH006	47	48	110	3740	0.37400001	0.011
TFDH006	48	49	20	710	7.10E-02	2.00E-03
TFDH006	49	50	10	300	3.00E-02	0.001
TFDH006	50	51	20	940	9.40E-02	2.00E-03
TFDH006	51	52	30	510	5.10E-02	0.003
TFDH006	52	53	20	800	8.00E-02	2.00E-03

TFDH006	53	54	20	190	1.90E-02	2.00E-03
TFDH006	54	55	110	4110	0.41100001	0.011
TFDH006	55	56	30	4780	0.47799999	0.003
TFDH006	56	57	40	80	8.00E-03	4.00E-03
TFDH006	57	58	50	500	5.00E-02	5.00E-03
TFDH006	58	59	70	3570	0.35699999	7.00E-03
TFDH006	59	60	30	2220	0.222	0.003
TFDH006	60	61	50	270	2.70E-02	5.00E-03
TFDH006	61	62	100	2550	0.255	1.00E-02
TFDH006	62	63	70	3050	0.30500001	7.00E-03
TFDH006	63	64	70	1530	0.153	7.00E-03
TFDH006	64	65	60	2000	0.2	6.00E-03
TFDH006	65	66	60	1190	0.119	6.00E-03
TFDH006	66	67	50	560	5.60E-02	5.00E-03
TFDH006	67	68	250	4150	0.41499999	0.025
TFDH006	68	69	80	390	3.90E-02	8.00E-03
TFDH006	69	70	120	1950	0.19499999	0.012
TFDH006	70	71	80	320	3.20E-02	8.00E-03
TFDH006	71	72	90	2820	0.28200001	9.00E-03
TFDH006	72	73	120	2590	0.259	0.012
TFDH006	73	74	70	120	0.012	7.00E-03
TFDH006	74	75	80	170	1.70E-02	8.00E-03
TFDH006	75	76	90	5330	0.53299999	9.00E-03
TFDH006	76	77	120	5480	0.54799998	0.012
TFDH006	77	78	220	520	5.20E-02	0.022
TFDH006	78	79	70	610	6.10E-02	7.00E-03
TFDH006	79	80	150	1300	0.13	0.015
TFDH006	80	81	170	5770	0.57700002	1.70E-02
TFDH006	81	82	140	4850	0.48500001	0.014
TFDH006	82	83	130	5210	0.52100003	0.013
TFDH006	83	84	180	3280	0.32800001	1.80E-02
TFDH006	84	85	120	1720	0.17200001	0.012
TFDH006	85	86	170	1650	0.16500001	1.70E-02
TFDH006	86	87	190	4990	0.49900001	1.90E-02
TFDH006	87	88	490	7590	0.759	4.90E-02
TFDH006	88	89	780	10000	1	7.80E-02
TFDH006	89	90	290	7520	0.75199997	2.90E-02
TFDH006	90	91	190	3010	0.301	1.90E-02
TFDH006	91	92	180	4120	0.412	1.80E-02
TFDH006	92	93	2240	14100	1.41	0.22400001
TFDH006	93	94	610	6510	0.65100002	6.10E-02
TFDH006	94	95	620	9480	0.94800001	6.20E-02
TFDH006	95	96	140	11500	1.15	0.014
TFDH006	96	97	110	7640	0.764	0.011
TFDH006	97	98	120	3550	0.35499999	0.012
TFDH006	98	99	100	7010	0.70099998	1.00E-02
TFDH006	99	100	90	10600	1.0599999	9.00E-03
TFDH006	100	101	130	1090	0.109	0.013
TFDH006	101	102	70	1950	0.19499999	7.00E-03
TFDH006	102	103	140	2910	0.29100001	0.014
TFDH006	103	104	130	1970	0.197	0.013
TFDH006	104	105	210	3490	0.34900001	0.021
TFDH006	105	106	140	3850	0.38499999	0.014
TFDH006	106	107	220	11400	1.14	0.022
TFDH006	107	108	130	2230	0.223	0.013
TFDH006	108	109	190	3950	0.39500001	1.90E-02
TFDH006	109	110	110	10100	1.01	0.011
TFDH006	110	111	90	9910	0.991	9.00E-03
TFDH006	111	112	290	5570	0.55699998	2.90E-02
TFDH006	112	113	160	7560	0.75599998	1.60E-02
TFDH006	113	114	170	5870	0.58700001	1.70E-02
TFDH006	114	115	120	7200	0.72000003	0.012
TFDH006	115	116	180	3450	0.345	1.80E-02

TFDH006	116	117	90	7390	0.73900002	9.00E-03
TFDH006	117	118	120	850	8.50E-02	0.012
TFDH006	118	119	120	2690	0.26899999	0.012
TFDH006	119	120	110	4740	0.47400001	0.011
TFDH006	120	121	80	9930	0.99299997	8.00E-03
TFDH006	121	122	120	5910	0.59100002	0.012
TFDH006	122	123	170	1520	0.152	1.70E-02
TFDH006	123	124	210	1850	0.185	0.021
TFDH006	124	125	230	1970	0.197	0.023
TFDH006	125	126	140	9100	0.91000003	0.014
TFDH006	126	127	60	5450	0.54500002	6.00E-03
TFDH006	127	128	190	4140	0.414	1.90E-02
TFDH006	128	129	80	3340	0.33399999	8.00E-03
TFDH006	129	130	90	4500	0.44999999	9.00E-03
TFDH006	130	131	110	6540	0.65399998	0.011
TFDH006	131	132	250	7180	0.71799999	0.025
TFDH006	132	133	120	4340	0.43399999	0.012
TFDH006	133	134	120	7420	0.74199998	0.012
TFDH006	134	135	150	6610	0.66100001	0.015
TFDH006	135	136	210	7620	0.76200002	0.021
TFDH006	136	137	330	12400	1.24	0.033
TFDH006	137	138	130	6540	0.65399998	0.013
TFDH006	138	139	120	11000	1.1	0.012
TFDH006	139	140	220	8620	0.86199999	0.022
TFDH006	140	141	260	8120	0.81199998	2.60E-02
TFDH006	141	142	130	12750	1.275	0.013
TFDH006	142	143	650	3910	0.391	6.50E-02
TFDH006	143	144	450	8580	0.85799998	4.50E-02
TFDH006	144	145	80	16550	1.655	8.00E-03
TFDH006	145	146	180	6070	0.60699999	1.80E-02
TFDH006	146	147	170	5890	0.58899999	1.70E-02
TFDH006	147	148	90	13600	1.36	9.00E-03
TFDH006	148	149	1160	24100	2.4100001	0.116
TFDH006	149	150	110	10150	1.015	0.011
TFDH006	150	151	360	3760	0.37599999	3.60E-02
TFDH006	151	152	710	8120	0.81199998	7.10E-02
TFDH006	152	153	100	16750	1.675	1.00E-02
TFDH006	153	154	90	62500	6.25	9.00E-03
TFDH006	154	155	1160	16200	1.62	0.116
TFDH006	155	156	610	10050	1.005	6.10E-02
TFDH006	156	157	400	6670	0.667	4.00E-02
TFDH006	157	158	490	8420	0.84200001	4.90E-02
TFDH006	158	159	550	4130	0.41299999	0.055
TFDH006	159	160	100	7200	0.72000003	1.00E-02
TFDH006	160	161	50	14200	1.42	5.00E-03
TFDH006	161	162	70	11200	1.12	7.00E-03
TFDH006	162	163	50	12400	1.24	5.00E-03
TFDH006	163	164	1360	21500	2.1500001	0.13600001
TFDH006	164	165	30	22600	2.26	0.003
TFDH006	165	166	40	14900	1.49	4.00E-03
TFDH006	166	167	80	11100	1.11	8.00E-03
TFDH006	167	168	830	7790	0.77899998	8.30E-02
TFDH006	168	169	70	3860	0.38600001	7.00E-03
TFDH006	169	170	50	3980	0.398	5.00E-03
TFDH006	170	171	60	7050	0.70499998	6.00E-03
TFDH006	171	172	60	7450	0.745	6.00E-03
TFDH006	172	173	60	6310	0.63099998	6.00E-03
TFDH006	173	174	40	15500	1.55	4.00E-03
TFDH006	174	175	1590	14500	1.45	0.15899999
TFDH006	175	176	80	5670	0.56699997	8.00E-03
TFDH006	176	177	100	1640	0.164	1.00E-02
TFDH006	177	178	130	5740	0.574	0.013
TFDH006	178	179	170	2400	0.23999999	1.70E-02

TFDH006	179	180	670	4780	0.47799999	6.70E-02
TFDH006	180	181	9280	41200	4.1199999	0.92799997
TFDH006	181	182	4380	22500	2.25	0.43799999
TFDH006	182	183	5630	17800	1.78	0.56300002
TFDH006	183	184	2350	10300	1.03	0.235
TFDH006	184	185	120	11200	1.12	0.012
TFDH006	185	186	720	26300	2.6300001	7.20E-02
TFDH006	186	187	30	4580	0.458	0.003
TFDH006	187	188	10	5020	0.50199997	0.001
TFDH006	188	189	40	2490	0.249	4.00E-03
TFDH006	189	190	180	3320	0.33199999	1.80E-02
TFDH006	190	191	30	2130	0.213	0.003
TFDH006	191	192	30	3150	0.315	0.003
TFDH006	192	193	60	1960	0.19599999	6.00E-03
TFDH006	193	194	40	730	7.30E-02	4.00E-03
TFDH006	194	195	90	480	0.048	9.00E-03
TFDH006	195	196	40	490	4.90E-02	4.00E-03
TFDH006	196	197	20	1040	0.104	2.00E-03
TFDH006	197	198	40	1210	0.121	4.00E-03
TFDH006	198	199	80	1280	0.12800001	8.00E-03
TFDH006	199	200	90	360	3.60E-02	9.00E-03
TFDH006	200	201	90	690	6.90E-02	9.00E-03
TFDH006	201	202	100	600	6.00E-02	1.00E-02
TFDH006	202	203	300	700	0.07	3.00E-02
TFDH006	203	204	270	1590	0.15899999	2.70E-02
TFDH006	204	205	160	1250	0.125	1.60E-02
TFDH006	205	206	100	80	8.00E-03	1.00E-02
TFDH006	206	207	230	1370	0.13699999	0.023
TFDH006	207	208	90	140	0.014	9.00E-03
TFDH006	208	209	100	180	1.80E-02	1.00E-02
TFDH006	209	210	110	100	1.00E-02	0.011
TFDH006	210	211	140	440	0.044	0.014
TFDH006	211	212	190	920	0.092	1.90E-02
TFDH006	212	213	150	140	0.014	0.015
TFDH006	213	214	150	190	1.90E-02	0.015
TFDH006	214	215	120	370	0.037	0.012
TFDH006	215	216	90	350	0.035	9.00E-03
TFDH006	216	217	160	1420	0.142	1.60E-02
TFDH006	217	218	60	530	5.30E-02	6.00E-03
TFDH006	218	219	180	880	0.088	1.80E-02
TFDH006	219	220	180	270	2.70E-02	1.80E-02
TFDH006	220	221	140	140	0.014	0.014
TFDH006	221	222	130	170	1.70E-02	0.013
TFDH006	222	223	180	200	0.02	1.80E-02
TFDH006	223	224	140	170	1.70E-02	0.014
TFDH006	224	225	140	170	1.70E-02	0.014
TFDH006	225	226	190	310	3.10E-02	1.90E-02
TFDH006	226	227	150	190	1.90E-02	0.015
TFDH006	227	228	180	170	1.70E-02	1.80E-02
TFDH006	228	229	150	310	3.10E-02	0.015
TFDH006	229	230	160	260	2.60E-02	1.60E-02
TFDH006	230	231	70	80	8.00E-03	7.00E-03
TFDH006	231	232	50	100	1.00E-02	5.00E-03
TFDH006	232	233	160	390	3.90E-02	1.60E-02
TFDH006	233	234	50	290	2.90E-02	5.00E-03
TFDH006	234	235	30	90	9.00E-03	0.003
TFDH006	235	236	40	100	1.00E-02	4.00E-03
TFDH006	236	237	40	180	1.80E-02	4.00E-03
TFDH006	237	238	40	160	1.60E-02	4.00E-03
TFDH006	238	239	50	180	1.80E-02	5.00E-03
TFDH006	239	240	70	510	5.10E-02	7.00E-03
TFDH006	240	241	90	290	2.90E-02	9.00E-03
TFDH006	241	242	150	190	1.90E-02	0.015

TFDH006	242	243	100	250	0.025	1.00E-02
TFDH006	243	244	90	280	2.80E-02	9.00E-03
TFDH006	244	245	80	120	0.012	8.00E-03
TFDH006	245	246	100	90	9.00E-03	1.00E-02
TFDH006	246	247	280	490	4.90E-02	2.80E-02
TFDH006	247	248	140	100	1.00E-02	0.014
TFDH006	248	249	150	490	4.90E-02	0.015
TFDH006	249	250	60	60	6.00E-03	6.00E-03
TFDH006	250	251	40	80	8.00E-03	4.00E-03
TFDH006	251	252	30	120	0.012	0.003
TFDH006	252	253	30	100	1.00E-02	0.003
TFDH006	253	254	40	160	1.60E-02	4.00E-03
TFDH006	254	255	40	220	0.022	4.00E-03
TFDH006	255	256	40	250	0.025	4.00E-03
TFDH006	256	257	40	340	3.40E-02	4.00E-03
TFDH006	257	258	40	370	0.037	4.00E-03
TFDH006	258	259	50	310	3.10E-02	5.00E-03
TFDH006	259	260	40	90	9.00E-03	4.00E-03
TFDH006	260	261	20	60	6.00E-03	2.00E-03
TFDH006	261	262	40	70	7.00E-03	4.00E-03
TFDH006	262	263	50	110	0.011	5.00E-03
TFDH006	263	264	80	290	2.90E-02	8.00E-03
TFDH006	264	265	120	190	1.90E-02	0.012
TFDH006	265	266	110	130	0.013	0.011
TFDH006	266	267	130	240	0.024	0.013
TFDH006	267	268	60	60	6.00E-03	6.00E-03
TFDH006	268	269	120	110	0.011	0.012
TFDH006	269	270	60	290	2.90E-02	6.00E-03
TFDH006	270	271	50	730	7.30E-02	5.00E-03
TFDH006	271	272	110	260	2.60E-02	0.011
TFDH006	272	273	100	780	7.80E-02	1.00E-02
TFDH006	273	274	320	480	0.048	3.20E-02
TFDH006	274	275	110	2140	0.214	0.011
TFDH006	275	276	120	3440	0.34400001	0.012
TFDH006	276	277	170	420	4.20E-02	1.70E-02
TFDH006	277	278	120	550	0.055	0.012
TFDH006	278	279	140	330	0.033	0.014
TFDH006	279	280	130	550	0.055	0.013
TFDH006	280	281	90	120	0.012	9.00E-03
TFDH006	281	282	120	190	1.90E-02	0.012
TFDH006	282	283	80	230	0.023	8.00E-03
TFDH006	283	284	90	380	3.80E-02	9.00E-03
TFDH006	284	285	80	350	0.035	8.00E-03
TFDH006	285	286	90	640	6.40E-02	9.00E-03
TFDH006	286	287	110	780	7.80E-02	0.011
TFDH006	287	288	110	890	8.90E-02	0.011
TFDH006	288	289	120	1380	0.138	0.012
TFDH006	289	290	100	2430	0.243	1.00E-02
TFDH006	290	291	60	1970	0.197	6.00E-03
TFDH006	291	292	80	1520	0.152	8.00E-03
TFDH006	292	293	80	2380	0.23800001	8.00E-03
TFDH006	293	294	120	1600	0.16	0.012
TFDH006	294	295	100	560	5.60E-02	1.00E-02
TFDH006	295	296	70	420	4.20E-02	7.00E-03
TFDH006	296	297	110	280	2.80E-02	0.011
TFDH006	297	298	120	2690	0.26899999	0.012
TFDH006	298	299	140	2420	0.242	0.014
TFDH006	299	300	100	4900	0.49000001	1.00E-02
TFDH006	300	301	7470	24000	2.4000001	0.74699998
TFDH006	301	302	5600	4580	0.458	0.56
TFDH006	302	303	130	30	0.003	0.013
TFDH006	303	304	80	10	0.001	8.00E-03
TFDH006	304	306	40	30	0.003	4.00E-03

TFDH006	306	308	10	20	2.00E-03	0.001
TFDH006	308	310	30	20	2.00E-03	0.003
TFDH006	310	312	10	20	2.00E-03	0.001
TFDH004	0	2	30	970	9.70E-02	0.003
TFDH004	2	4	30	270	2.70E-02	0.003
TFDH004	4	6	30	30	0.003	0.003
TFDH004	6	8	50	30	0.003	5.00E-03
TFDH004	8	10	40	50	5.00E-03	4.00E-03
TFDH004	10	12	30	30	0.003	0.003
TFDH004	12	14	30	10	0.001	0.003
TFDH004	14	16	30	10	0.001	0.003
TFDH004	16	18	10	10	0.001	0.001
TFDH004	18	20	-10	10	0.001	-0.001
TFDH004	20	22	10	-10	-0.001	0.001
TFDH004	22	24	20	-10	-0.001	2.00E-03
TFDH004	24	26	-10	10	0.001	-0.001
TFDH004	26	28	10	10	0.001	0.001
TFDH004	28	30	10	20	2.00E-03	0.001
TFDH004	30	32	20	10	0.001	2.00E-03
TFDH004	32	34	20	10	0.001	2.00E-03
TFDH004	34	36	20	20	2.00E-03	2.00E-03
TFDH004	36	38	10	-10	-0.001	0.001
TFDH004	38	40	20	20	2.00E-03	2.00E-03
TFDH004	40	42	30	60	6.00E-03	0.003
TFDH004	42	44	20	90	9.00E-03	2.00E-03
TFDH004	44	46	20	320	3.20E-02	2.00E-03
TFDH004	46	48	50	1190	0.119	5.00E-03
TFDH004	48	50	50	460	0.046	5.00E-03
TFDH004	50	52	60	140	0.014	6.00E-03
TFDH004	52	54	10	60	6.00E-03	0.001
TFDH004	54	56	10	100	1.00E-02	0.001
TFDH004	56	58	20	50	5.00E-03	2.00E-03
TFDH004	58	60	10	40	4.00E-03	0.001
TFDH004	60	62	-10	50	5.00E-03	-0.001
TFDH004	62	64	-10	20	2.00E-03	-0.001
TFDH004	64	66	-10	20	2.00E-03	-0.001
TFDH004	66	68	-10	20	2.00E-03	-0.001
TFDH004	68	70	10	70	7.00E-03	0.001
TFDH004	70	72	-10	20	2.00E-03	-0.001
TFDH004	72	74	-10	50	5.00E-03	-0.001
TFDH004	74	76	-10	20	2.00E-03	-0.001
TFDH004	76	78	20	10	0.001	2.00E-03
TFDH004	78	80	50	30	0.003	5.00E-03
TFDH004	80	82	30	250	0.025	0.003
TFDH004	82	84	60	280	2.80E-02	6.00E-03
TFDH004	84	85	500	1680	0.168	5.00E-02
TFDH007	0	1	100	2850	0.285	1.00E-02
TFDH007	1	2	40	100	1.00E-02	4.00E-03
TFDH007	2	4	20	-10	-0.001	2.00E-03
TFDH007	4	6	20	-10	-0.001	2.00E-03
TFDH007	6	8	10	-10	-0.001	0.001
TFDH007	8	10	30	20	2.00E-03	0.003
TFDH007	10	12	70	350	0.035	7.00E-03
TFDH007	12	14	10	310	3.10E-02	0.001
TFDH007	14	16	20	260	2.60E-02	2.00E-03
TFDH007	16	18	10	450	4.50E-02	0.001
TFDH007	18	20	20	530	5.30E-02	2.00E-03
TFDH007	20	22	20	350	0.035	2.00E-03
TFDH007	22	24	10	-10	-0.001	0.001
TFDH007	24	26	30	60	6.00E-03	0.003
TFDH007	26	28	30	-10	-0.001	0.003
TFDH007	28	30	10	150	0.015	0.001
TFDH007	30	32	80	210	0.021	8.00E-03

TFDH007	32	34	90	-10	-0.001	9.00E-03
TFDH007	34	36	100	920	0.092	1.00E-02
TFDH007	36	38	130	1700	0.17	0.013
TFDH007	38	40	190	1820	0.182	1.90E-02
TFDH007	40	42	380	1630	0.163	3.80E-02
TFDH007	42	44	250	1110	0.111	0.025
TFDH007	44	46	330	1350	0.13500001	0.033
TFDH007	46	48	260	1580	0.15800001	2.60E-02
TFDH007	48	50	630	1850	0.185	6.30E-02
TFDH007	50	52	600	2370	0.237	6.00E-02
TFDH007	52	54	230	990	9.90E-02	0.023
TFDH007	54	56	210	1060	0.106	0.021
TFDH007	56	57	210	950	9.50E-02	0.021
TFDH007	57	58	290	1970	0.197	2.90E-02
TFDH007	58	59	360	3650	0.36500001	3.60E-02
TFDH007	59	60	190	3470	0.347	1.90E-02
TFDH007	60	61	170	5290	0.52899998	1.70E-02
TFDH007	61	62	220	6930	0.69300002	0.022
TFDH007	62	63	680	11300	1.13	6.80E-02
TFDH007	63	64	920	40700	4.0700002	0.092
TFDH007	64	65	370	103000	10.3	0.037
TFDH007	65	66	290	71300	7.1300001	2.90E-02
TFDH007	66	67	210	39600	3.96	0.021
TFDH007	67	68	360	20600	2.0599999	3.60E-02
TFDH007	68	69	300	16550	1.655	3.00E-02
TFDH007	69	70	300	37300	3.73	3.00E-02
TFDH007	70	71	360	43400	4.3400002	3.60E-02
TFDH007	71	72	230	37600	3.76	0.023
TFDH007	72	73	180	31800	3.1800001	1.80E-02
TFDH007	73	74	120	67800	6.7800002	0.012
TFDH007	74	75	130	48100	4.8099999	0.013
TFDH007	75	76	180	20200	2.02	1.80E-02
TFDH007	76	77	210	33700	3.3699999	0.021
TFDH007	77	78	250	39000	3.9000001	0.025
TFDH007	78	79	220	44500	4.4499998	0.022
TFDH007	79	80	320	61300	6.1300001	3.20E-02
TFDH007	80	81	300	20800	2.0799999	3.00E-02
TFDH007	81	82	310	39800	3.98	3.10E-02
TFDH007	82	83	300	41900	4.1900001	3.00E-02
TFDH007	83	84	210	27300	2.73	0.021
TFDH007	84	85	260	17700	1.77	2.60E-02
TFDH007	85	86	280	21400	2.1400001	2.80E-02
TFDH007	86	87	380	21900	2.1900001	3.80E-02
TFDH007	87	88	240	18600	1.86	0.024
TFDH007	88	89	290	31400	3.1400001	2.90E-02
TFDH007	89	90	920	58000	5.8000002	0.092
TFDH007	90	91	610	6600	0.66000003	6.10E-02
TFDH007	91	92	170	51300	5.1300001	1.70E-02
TFDH007	92	93	130	9290	0.92900002	0.013
TFDH007	93	94	130	2400	0.23999999	0.013
TFDH007	94	95	150	16000	1.6	0.015
TFDH007	95	96	140	15250	1.525	0.014
TFDH007	96	97	220	20300	2.03	0.022
TFDH007	97	98	520	9590	0.95899999	5.20E-02
TFDH007	98	99	270	5710	0.57099998	2.70E-02
TFDH007	99	100	790	9150	0.91500002	7.90E-02
TFDH007	100	101	3170	11550	1.155	0.317
TFDH007	101	102	350	3830	0.38299999	0.035
TFDH007	102	103	4400	26300	2.6300001	0.44
TFDH007	103	104	2150	22400	2.24	0.215
TFDH007	104	105	380	18150	1.8150001	3.80E-02
TFDH007	105	106	360	29900	2.99	3.60E-02
TFDH007	106	107	170	2270	0.227	1.70E-02

TFDH007	107	108	180	950	9.50E-02	1.80E-02
TFDH007	108	109	190	19400	1.9400001	1.90E-02
TFDH007	109	110	150	5640	0.56400001	0.015
TFDH007	110	111	150	17800	1.78	0.015
TFDH007	111	112	60	29900	2.99	6.00E-03
TFDH007	112	113	170	22300	2.23	1.70E-02
TFDH007	113	114	310	17250	1.725	3.10E-02
TFDH007	114	115	150	9270	0.92699999	0.015
TFDH007	115	116	180	4300	0.43000001	1.80E-02
TFDH007	116	117	190	1400	0.14	1.90E-02
TFDH007	117	118	190	480	0.048	1.90E-02
TFDH007	118	119	260	30400	3.04	2.60E-02
TFDH007	119	120	170	11600	1.16	1.70E-02
TFDH007	120	121	710	14950	1.495	7.10E-02
TFDH007	121	122	210	10750	1.075	0.021
TFDH007	122	123	80	22500	2.25	8.00E-03
TFDH007	123	124	70	4690	0.46900001	7.00E-03
TFDH007	124	125	220	2980	0.29800001	0.022
TFDH007	125	126	80	740	7.40E-02	8.00E-03
TFDH007	126	127	480	4490	0.449	0.048
TFDH007	127	128	110	1190	0.119	0.011
TFDH007	128	129	60	2990	0.29899999	6.00E-03
TFDH007	129	130	40	4330	0.433	4.00E-03
TFDH007	130	131	110	9050	0.90499997	0.011
TFDH007	131	132	100	800	8.00E-02	1.00E-02
TFDH007	132	133	120	920	0.092	0.012
TFDH007	133	134	70	4600	0.46000001	7.00E-03
TFDH007	134	135	50	6380	0.63800001	5.00E-03
TFDH007	135	136	100	8030	0.80299997	1.00E-02
TFDH007	136	137	60	9440	0.94400001	6.00E-03
TFDH007	137	138	60	2640	0.264	6.00E-03
TFDH007	138	139	110	4100	0.41	0.011
TFDH007	139	140	420	4160	0.41600001	4.20E-02
TFDH007	140	141	60	7910	0.79100001	6.00E-03
TFDH007	141	142	30	19500	1.95	0.003
TFDH007	142	143	30	9120	0.912	0.003
TFDH007	143	144	30	16200	1.62	0.003
TFDH007	144	145	160	7580	0.75800002	1.60E-02
TFDH007	145	146	110	3920	0.39199999	0.011
TFDH007	146	147	50	3120	0.31200001	5.00E-03
TFDH007	147	148	1510	6890	0.68900001	0.15099999
TFDH007	148	149	30	3760	0.37599999	0.003
TFDH007	149	150	40	2720	0.27200001	4.00E-03
TFDH007	150	151	70	2600	0.25999999	7.00E-03
TFDH007	151	152	50	6380	0.63800001	5.00E-03
TFDH007	152	153	40	8920	0.89200002	4.00E-03
TFDH007	153	154	420	2780	0.278	4.20E-02
TFDH007	154	155	110	6730	0.67299998	0.011
TFDH007	155	156	380	6070	0.60699999	3.80E-02
TFDH007	156	157	50	2790	0.27900001	5.00E-03
TFDH007	157	158	80	13950	1.395	8.00E-03
TFDH007	158	159	2330	8980	0.898	0.233
TFDH007	159	160	630	27100	2.71	6.30E-02
TFDH007	160	161	170	16350	1.635	1.70E-02
TFDH007	161	162	40	35900	3.5899999	4.00E-03
TFDH007	162	163	440	25000	2.5	0.044
TFDH007	163	164	30	28800	2.8800001	0.003
TFDH007	164	165	80	23300	2.3299999	8.00E-03
TFDH007	165	166	110	15300	1.53	0.011
TFDH007	166	167	50	23200	2.3199999	5.00E-03
TFDH007	167	168	240	30000	3	0.024
TFDH007	168	169	190	13800	1.38	1.90E-02
TFDH007	169	170	150	26100	2.6099999	0.015

TFDH007	170	171	100	15900	1.59	1.00E-02
TFDH007	171	172	80	18750	1.875	8.00E-03
TFDH007	172	173	340	4760	0.47600001	3.40E-02
TFDH007	173	174	230	1840	0.184	0.023
TFDH007	174	175	620	18250	1.825	6.20E-02
TFDH007	175	176	110	14650	1.465	0.011
TFDH007	176	177	120	32800	3.28	0.012
TFDH007	177	178	110	7830	0.78299999	0.011
TFDH007	178	179	180	13450	1.345	1.80E-02
TFDH007	179	180	90	18400	1.84	9.00E-03
TFDH007	180	181	210	25000	2.5	0.021
TFDH007	181	182	290	24600	2.46	2.90E-02
TFDH007	182	183	200	1800	0.18000001	0.02
TFDH007	183	184	330	9660	0.96600002	0.033
TFDH007	184	185	190	9050	0.90499997	1.90E-02
TFDH007	185	186	460	38600	3.8599999	0.046
TFDH007	186	187	680	11100	1.11	6.80E-02
TFDH007	187	188	130	4290	0.42899999	0.013
TFDH007	188	189	400	9150	0.91500002	4.00E-02
TFDH007	189	190	440	12150	1.215	0.044
TFDH007	190	191	1350	27800	2.78	0.13500001
TFDH007	191	192	70	6590	0.65899998	7.00E-03
TFDH007	192	193	70	4400	0.44	7.00E-03
TFDH007	193	194	60	1830	0.183	6.00E-03
TFDH007	194	195	50	1340	0.134	5.00E-03
TFDH007	195	196	100	1460	0.146	1.00E-02
TFDH007	196	197	70	3550	0.35499999	7.00E-03
TFDH007	197	198	550	4600	0.46000001	0.055
TFDH007	198	199	1180	8460	0.84600002	0.118
TFDH007	199	200	750	1430	0.14300001	7.50E-02
TFDH007	200	201	70	70	7.00E-03	7.00E-03
TFDH007	201	202	650	3870	0.38699999	6.50E-02
TFDH007	202	203	110	700	0.07	0.011
TFDH007	203	204	150	1720	0.17200001	0.015
TFDH007	204	205	50	650	6.50E-02	5.00E-03
TFDH007	205	206	40	1150	0.115	4.00E-03
TFDH007	206	207	30	2050	0.205	0.003
TFDH007	207	208	160	3300	0.33000001	1.60E-02
TFDH007	208	209	70	530	5.30E-02	7.00E-03
TFDH007	209	210	60	1490	0.149	6.00E-03
TFDH007	210	211	60	2730	0.273	6.00E-03
TFDH007	211	212	40	1280	0.12800001	4.00E-03
TFDH007	212	213	50	5200	0.51999998	5.00E-03
TFDH007	213	214	90	1660	0.16599999	9.00E-03
TFDH007	214	215	250	4820	0.48199999	0.025
TFDH007	215	216	20	190	1.90E-02	2.00E-03
TFDH007	216	217	350	1820	0.182	0.035
TFDH007	217	218	220	3670	0.36700001	0.022
TFDH007	218	219	220	800	8.00E-02	0.022
TFDH007	219	220	1040	5630	0.56300002	0.104
TFDH007	220	221	2510	5710	0.57099998	0.25099999
TFDH007	221	222	390	1380	0.138	3.90E-02
TFDH007	222	223	70	100	1.00E-02	7.00E-03
TFDH007	223	224	50	330	0.033	5.00E-03
TFDH007	224	225	440	1280	0.12800001	0.044
TFDH007	225	226	80	1360	0.13600001	8.00E-03
TFDH007	226	227	40	1350	0.13500001	4.00E-03
TFDH007	227	228	30	420	4.20E-02	0.003
TFDH007	228	229	140	3650	0.36500001	0.014
TFDH007	229	230	40	-10	-0.001	4.00E-03
TFDH007	230	231	40	660	0.066	4.00E-03
TFDH007	231	232	60	570	0.057	6.00E-03
TFDH007	232	233	100	3810	0.38100001	1.00E-02

TFDH007	233	234	40	250	0.025	4.00E-03
TFDH007	234	235	50	2560	0.25600001	5.00E-03
TFDH007	235	236	90	480	0.048	9.00E-03
TFDH007	236	237	80	1430	0.14300001	8.00E-03
TFDH007	237	238	70	1800	0.18000001	7.00E-03
TFDH007	238	239	320	4640	0.46399999	3.20E-02
TFDH007	239	240	120	1280	0.12800001	0.012
TFDH007	240	241	40	800	8.00E-02	4.00E-03
TFDH007	241	242	50	370	0.037	5.00E-03
TFDH007	242	243	90	1630	0.163	9.00E-03
TFDH007	243	244	30	1150	0.115	0.003
TFDH007	244	245	30	1280	0.12800001	0.003
TFDH007	245	246	110	1950	0.19499999	0.011
TFDH007	246	247	530	2550	0.255	5.30E-02
TFDH007	247	248	30	780	7.80E-02	0.003
TFDH007	248	249	50	1580	0.15800001	5.00E-03
TFDH007	249	250	80	580	5.80E-02	8.00E-03
TFDH007	250	251	50	920	0.092	5.00E-03
TFDH007	251	252	60	240	0.024	6.00E-03
TFDH007	252	253	90	1540	0.154	9.00E-03
TFDH007	253	254	40	1600	0.16	4.00E-03
TFDH007	254	255	50	2010	0.20100001	5.00E-03
TFDH007	255	256	110	3610	0.361	0.011
TFDH007	256	257	150	680	6.80E-02	0.015
TFDH007	257	258	50	950	9.50E-02	5.00E-03
TFDH007	258	259	110	650	6.50E-02	0.011
TFDH007	259	260	70	580	5.80E-02	7.00E-03
TFDH007	260	261	50	590	0.059	5.00E-03
TFDH007	261	262	80	710	7.10E-02	8.00E-03
TFDH007	262	263	80	40	4.00E-03	8.00E-03
TFDH007	263	264	80	80	8.00E-03	8.00E-03
TFDH007	264	265	80	550	0.055	8.00E-03
TFDH007	265	266	90	350	0.035	9.00E-03
TFDH007	266	267	80	280	2.80E-02	8.00E-03
TFDH007	267	268	90	440	0.044	9.00E-03
TFDH007	268	269	100	1030	0.103	1.00E-02
TFDH007	269	270	70	680	6.80E-02	7.00E-03
TFDH007	270	271	60	430	4.30E-02	6.00E-03
TFDH007	271	272	70	240	0.024	7.00E-03
TFDH007	272	273	30	1770	0.177	0.003
TFDH007	273	274	20	250	0.025	2.00E-03
TFDH007	274	275	60	1380	0.138	6.00E-03
TFDH007	275	276	60	350	0.035	6.00E-03
TFDH007	276	277	30	-10	-0.001	0.003
TFDH007	277	278	20	80	8.00E-03	2.00E-03
TFDH007	278	279	30	170	1.70E-02	0.003
TFDH007	279	280	90	170	1.70E-02	9.00E-03
TFDH007	280	281	70	210	0.021	7.00E-03
TFDH007	281	282	20	10	0.001	2.00E-03
TFDH007	282	283	30	190	1.90E-02	0.003
TFDH007	283	284	60	280	2.80E-02	6.00E-03
TFDH007	284	285	30	250	0.025	0.003
TFDH007	285	286	150	520	5.20E-02	0.015
TFDH007	286	287	80	190	1.90E-02	8.00E-03
TFDH007	287	288	70	340	3.40E-02	7.00E-03
TFDH007	288	289	70	440	0.044	7.00E-03
TFDH007	289	290	60	180	1.80E-02	6.00E-03
TFDH007	290	291	30	210	0.021	0.003
TFDH007	291	292	140	590	0.059	0.014
TFDH007	292	293	60	1070	0.107	6.00E-03
TFDH007	293	294	40	160	1.60E-02	4.00E-03
TFDH007	294	295	40	650	6.50E-02	4.00E-03
TFDH007	295	296	40	280	2.80E-02	4.00E-03

TFDH007	296	297	40	160	1.60E-02	4.00E-03
TFDH007	297	298	70	700	0.07	7.00E-03
TFDH007	298	299	60	320	3.20E-02	6.00E-03
TFDH007	299	300	60	190	1.90E-02	6.00E-03
TFDH007	300	301	60	1330	0.133	6.00E-03
TFDH007	301	302	80	240	0.024	8.00E-03
TFDH007	302	303	70	270	2.70E-02	7.00E-03
TFDH007	303	304	100	310	3.10E-02	1.00E-02
TFDH007	304	305	70	150	0.015	7.00E-03
TFDH007	305	306	50	90	9.00E-03	5.00E-03
TFDH007	306	307	80	740	7.40E-02	8.00E-03
TFDH007	307	308	130	200	0.02	0.013
TFDH007	308	309	50	-10	-0.001	5.00E-03
TFDH007	309	310	70	600	6.00E-02	7.00E-03
TFDH007	310	311	120	370	0.037	0.012
TFDH007	311	312	70	-10	-0.001	7.00E-03
TFDH007	312	313	90	170	1.70E-02	9.00E-03
TFDH007	313	314	50	-10	-0.001	5.00E-03
TFDH007	314	315	10	120	0.012	0.001
TFDH007	315	316	50	430	4.30E-02	5.00E-03
TFDH007	316	317	90	270	2.70E-02	9.00E-03
TFDH007	317	318	60	630	6.30E-02	6.00E-03
TFDH007	318	319	40	130	0.013	4.00E-03
TFDH007	319	320	70	260	2.60E-02	7.00E-03
TFDH007	320	321	80	310	3.10E-02	8.00E-03
TFDH007	321	322	50	500	5.00E-02	5.00E-03
TFDH007	322	323	60	310	3.10E-02	6.00E-03
TFDH007	323	324	50	300	3.00E-02	5.00E-03
TFDH007	324	325	40	80	8.00E-03	4.00E-03
TFDH007	325	326	70	180	1.80E-02	7.00E-03
TFDH007	326	327	50	290	2.90E-02	5.00E-03
TFDH007	327	328	60	900	9.00E-02	6.00E-03
TFDH007	328	329	50	1060	0.106	5.00E-03
TFDH007	329	330	40	1530	0.153	4.00E-03
TFDH007	330	331	40	180	1.80E-02	4.00E-03
TFDH007	331	332	40	100	1.00E-02	4.00E-03
TFDH007	332	333	30	520	5.20E-02	0.003
TFDH007	333	334	40	80	8.00E-03	4.00E-03
TFDH007	334	335	40	360	3.60E-02	4.00E-03
TFDH007	335	336	30	3900	0.38999999	0.003
TFDH007	336	337	30	2040	0.204	0.003
TFDH007	337	338	70	550	0.055	7.00E-03
TFDH007	338	339	50	430	4.30E-02	5.00E-03
TFDH007	339	340	80	270	2.70E-02	8.00E-03
TFDH007	340	341	40	280	2.80E-02	4.00E-03
TFDH007	341	342	80	750	7.50E-02	8.00E-03
TFDH007	342	343	70	410	4.10E-02	7.00E-03
TFDH007	343	344	50	290	2.90E-02	5.00E-03
TFDH007	344	345	50	330	0.033	5.00E-03
TFDH007	345	346	80	790	7.90E-02	8.00E-03
TFDH007	346	347	90	350	0.035	9.00E-03
TFDH007	347	348	80	1180	0.118	8.00E-03
TFDH007	348	349	50	630	6.30E-02	5.00E-03
TFDH007	349	350	60	440	0.044	6.00E-03
TFDH007	350	351	60	220	0.022	6.00E-03
TFDH007	351	352	30	150	0.015	0.003
TFDH007	352	353	60	640	6.40E-02	6.00E-03
TFDH007	353	354	60	900	9.00E-02	6.00E-03
TFDH007	354	355	80	510	5.10E-02	8.00E-03
TFDH007	355	356	70	150	0.015	7.00E-03
TFDH007	356	357	80	780	7.80E-02	8.00E-03
TFDH007	357	358	60	520	5.20E-02	6.00E-03
TFDH007	358	359	40	230	0.023	4.00E-03

TFDH007	359	360	80	370	0.037	8.00E-03
TFDH007	360	361	100	240	0.024	1.00E-02
TFDH007	361	362	90	60	6.00E-03	9.00E-03
TFDH007	362	363	60	230	0.023	6.00E-03
TFDH007	363	364	60	80	8.00E-03	6.00E-03
TFDH007	364	365	50	60	6.00E-03	5.00E-03
TFDH007	365	366	10	-10	-0.001	0.001
TFDH007	366	367	10	20	2.00E-03	0.001
TFDH007	367	368	10	20	2.00E-03	0.001
TFDH007	368	369	10	150	0.015	0.001
TFDH007	369	370	30	100	1.00E-02	0.003
TFDH007	370	371	30	230	0.023	0.003
TFDH007	371	372	10	160	1.60E-02	0.001
TFDH007	372	373	20	210	0.021	2.00E-03
TFDH007	373	374	20	50	5.00E-03	2.00E-03
TFDH007	374	375	60	90	9.00E-03	6.00E-03
TFDH007	375	376	90	450	4.50E-02	9.00E-03
TFDH007	376	377	90	270	2.70E-02	9.00E-03
TFDH007	377	378	40	140	0.014	4.00E-03
TFDH007	378	379	40	240	0.024	4.00E-03
TFDH007	379	380	60	1180	0.118	6.00E-03
TFDH007	380	381	90	1470	0.147	9.00E-03
TFDH007	381	382	20	1180	0.118	2.00E-03
TFDH007	382	383	20	90	9.00E-03	2.00E-03
TFDH007	383	384	40	150	0.015	4.00E-03
TFDH007	384	385	50	190	1.90E-02	5.00E-03
TFDH007	385	386	50	70	7.00E-03	5.00E-03
TFDH007	386	387	70	150	0.015	7.00E-03
TFDH007	387	388	80	140	0.014	8.00E-03
TFDH007	388	389	120	320	3.20E-02	0.012
TFDH007	389	390	130	240	0.024	0.013
TFDH007	390	391	70	80	8.00E-03	7.00E-03
TFDH007	391	392	50	230	0.023	5.00E-03
TFDH007	392	393	40	10	0.001	4.00E-03
TFDH007	393	394	60	60	6.00E-03	6.00E-03
TFDH007	394	395	30	-10	-0.001	0.003
TFDH007	395	396	90	220	0.022	9.00E-03
TFDH007	396	397	90	330	0.033	9.00E-03
TFDH007	397	398	120	360	3.60E-02	0.012
TFDH007	398	399	100	150	0.015	1.00E-02
TFDH007	399	400	80	210	0.021	8.00E-03
TFDH007	400	401	110	450	4.50E-02	0.011
TFDH007	401	402	70	-10	-0.001	7.00E-03
TFDH007	402	403	60	510	5.10E-02	6.00E-03
TFDH007	403	404	80	110	0.011	8.00E-03
TFDH007	404	405	110	580	5.80E-02	0.011
TFDH007	405	406	90	350	0.035	9.00E-03
TFDH007	406	407	40	190	1.90E-02	4.00E-03
TFDH007	407	408	110	230	0.023	0.011
TFDH007	408	409	90	310	3.10E-02	9.00E-03
TFDH007	409	410	70	450	4.50E-02	7.00E-03
TFDH007	410	411	40	260	2.60E-02	4.00E-03
TFDH007	411	412	100	200	0.02	1.00E-02
TFDH007	412	413	80	270	2.70E-02	8.00E-03
TFDH007	413	414	60	50	5.00E-03	6.00E-03
TFDH007	414	415	70	240	0.024	7.00E-03
TFDH007	415	416	40	250	0.025	4.00E-03
TFDH007	416	417	110	650	6.50E-02	0.011
TFDH007	417	418	30	120	0.012	0.003
TFDH007	418	419	40	230	0.023	4.00E-03
TFDH007	419	420	80	500	5.00E-02	8.00E-03
TFDH007	420	421	90	50	5.00E-03	9.00E-03
TFDH007	421	422	60	60	6.00E-03	6.00E-03

TFDH007	422	423	20	-10	-0.001	2.00E-03
TFDH007	423	424	40	180	1.80E-02	4.00E-03
TFDH007	424	425	120	460	0.046	0.012
TFDH007	425	426	70	80	8.00E-03	7.00E-03
TFDH007	426	427	110	440	0.044	0.011
TFDH007	427	428	240	590	0.059	0.024
TFDH007	428	429	80	220	0.022	8.00E-03
TFDH007	429	430	40	80	8.00E-03	4.00E-03
TFDH007	430	431	40	50	5.00E-03	4.00E-03
TFDH007	431	432	90	360	3.60E-02	9.00E-03
TFDH007	432	433	160	380	3.80E-02	1.60E-02
TFDH007	433	434	110	290	2.90E-02	0.011
TFDH007	434	435	50	140	0.014	5.00E-03
TFDH007	435	436	50	120	0.012	5.00E-03
TFDH007	436	437	230	550	0.055	0.023
TFDH007	437	438	90	30	0.003	9.00E-03
TFDH007	438	439	50	70	7.00E-03	5.00E-03
TFDH007	439	440	50	80	8.00E-03	5.00E-03
TFDH007	440	441	60	220	0.022	6.00E-03
TFDH007	441	442	90	360	3.60E-02	9.00E-03
TFDH007	442	443	30	130	0.013	0.003
TFDH007	443	444	30	80	8.00E-03	0.003
TFDH007	444	445	60	670	6.70E-02	6.00E-03
TFDH007	445	446	40	290	2.90E-02	4.00E-03
TFDH007	446	447	70	370	0.037	7.00E-03
TFDH007	447	448	60	1210	0.121	6.00E-03
TFDH007	448	449	60	800	8.00E-02	6.00E-03
TFDH007	449	450	100	520	5.20E-02	1.00E-02
TFDH007	450	451	80	750	7.50E-02	8.00E-03
TFDH007	451	452	50	830	8.30E-02	5.00E-03
TFDH007	452	453	110	590	0.059	0.011
TFDH007	453	454	90	1050	0.105	9.00E-03
TFDH007	454	455		1990	0.199	
TFDH007	455	456	550	18050	1.8049999	0.055
TFDH007	456	457	960	13000	1.3	9.60E-02
TFDH007	457	458	240	7500	0.75	0.024
TFDH007	458	459	590	7430	0.74299997	0.059
TFDH007	459	460	80	80	8.00E-03	8.00E-03
TFDH007	460	462	60	-10	-0.001	6.00E-03
TFDH007	462	464	70	-10	-0.001	7.00E-03
TFDH007	464	466	60	-10	-0.001	6.00E-03
TFDH007	466	468	70	-10	-0.001	7.00E-03
TFDH007	468	470	70	-10	-0.001	7.00E-03
TFDH007	470	472	70	-10	-0.001	7.00E-03
TFDH007	472	474	30	10	0.001	0.003
TFDH007	474	476	40	10	0.001	4.00E-03
TFDH007	476	478	40	10	0.001	4.00E-03
TFDH007	478	480	40	10	0.001	4.00E-03
TFDH007	480	482.29999	20	20	2.00E-03	2.00E-03
TCRD001	0	4	310	870	8.70E-02	3.10E-02
TCRD001	4	8	480	1350	0.13500001	0.048
TCRD001	8	12	380	1520	0.152	3.80E-02
TCRD001	12	16	480	1740	0.17399999	0.048
TCRD001	16	20	400	1710	0.171	4.00E-02
TCRD001	20	24	290	1700	0.17	2.90E-02
TCRD001	24	28	460	2340	0.234	0.046
TCRD001	28	32	210	1190	0.119	0.021
TCRD001	32	36	240	1230	0.123	0.024
TCRD001	36	40	160	1260	0.126	1.60E-02
TCRD001	40	44	350	1540	0.154	0.035
TCRD001	44	48	210	1270	0.127	0.021
TCRD001	48	52	80	160	1.60E-02	8.00E-03
TCRD001	52	56	320	250	0.025	3.20E-02

TCRD001	56	60	250	620	6.20E-02	0.025
TCRD001	60	64	160	420	4.20E-02	1.60E-02
TCRD001	64	68	230	660	0.066	0.023
TCRD001	68	72	390	560	5.60E-02	3.90E-02
TCRD001	72	76	120	620	6.20E-02	0.012
TCRD001	76	80	80	340	3.40E-02	8.00E-03
TCRD001	80	84	140	450	4.50E-02	0.014
TCRD001	84	88	150	610	6.10E-02	0.015
TCRD001	88	91	150	560	5.60E-02	0.015
TCRD001	91	94	150	400	4.00E-02	0.015
TCRD001	94	97	150	540	5.40E-02	0.015
TCRD001	97	100	120	550	0.055	0.012
TCRD001	100	102	110	440	0.044	0.011
TCRD002	0	4	330	780	7.80E-02	0.033
TCRD002	4	8	410	810	0.081	4.10E-02
TCRD002	8	12	240	760	7.60E-02	0.024
TCRD002	12	16	230	700	0.07	0.023
TCRD002	16	20	330	1020	0.102	0.033
TCRD002	20	24	440	830	8.30E-02	0.044
TCRD002	24	28	1220	3070	0.30700001	0.122
TCRD002	28	32	200	1540	0.154	0.02
TCRD002	32	36	130	1320	0.132	0.013
TCRD002	36	40	160	1000	0.1	1.60E-02
TCRD002	40	44	310	1500	0.15000001	3.10E-02
TCRD002	44	48	150	1170	0.117	0.015
TCRD002	48	50	200	1560	0.156	0.02
TCRD002	50	52	450	3220	0.322	4.50E-02
TCRD002	52	54	290	1810	0.18099999	2.90E-02
TCRD002	54	56	270	2790	0.27900001	2.70E-02
TCRD002	56	58	520	8240	0.824	5.20E-02
TCRD002	58	59	420	33200	3.3199999	4.20E-02
TCRD002	59	60	170	9770	0.977	1.70E-02
TCRD002	60	61	150	9720	0.972	0.015
TCRD002	61	62	170	22800	2.28	1.70E-02
TCRD002	62	63	210	21700	2.1700001	0.021
TCRD002	63	64	210	18200	1.8200001	0.021
TCRD002	64	65	230	6930	0.69300002	0.023
TCRD002	65	66	170	5880	0.588	1.70E-02
TCRD002	66	67	220	4900	0.49000001	0.022
TCRD002	67	68	260	47300	4.73	2.60E-02
TCRD002	68	69	440	61500	6.1500001	0.044
TCRD002	69	70	210	34100	3.4100001	0.021
TCRD002	70	71	200	102000	10.2	0.02
TCRD002	71	72	450	116000	11.6	4.50E-02
TCRD002	72	73	810	102500	10.25	0.081
TCRD002	73	74	370	87000	8.6999998	0.037
TCRD002	74	75	640	28200	2.8199999	6.40E-02
TCRD002	75	76	490	27100	2.71	4.90E-02
TCRD002	76	77	1310	10400	1.04	0.131
TCRD002	77	78	4600	7100	0.70999998	0.46000001
TCRD002	78	79	1970	4530	0.45300001	0.197
TCRD002	79	80	1600	1420	0.142	0.16
TCRD002	80	81	2110	2520	0.252	0.211
TCRD002	81	82	4350	4350	0.435	0.435
TCRD002	82	83	2040	4330	0.433	0.204
TCRD002	83	84	1920	3000	0.30000001	0.192
TCRD002	84	85	1850	4670	0.46700001	0.185
TCRD002	85	86	2630	9090	0.90899998	0.26300001
TCRD002	86	87	3010	9470	0.94700003	0.301
TCRD002	87	88	1260	4320	0.43200001	0.126
TCRD002	88	89	90	230	0.023	9.00E-03
TCRD002	89	90	1760	4510	0.45100001	0.176
TCRD002	90	91	510	1710	0.171	5.10E-02

TCRD002	91	92	500	950	9.50E-02	5.00E-02
TCRD002	92	93	880	2520	0.252	0.088
TCRD002	93	94	920	7580	0.75800002	0.092
TCRD002	94	95	390	4340	0.43399999	3.90E-02
TCRD002	95	96	270	2470	0.24699999	2.70E-02
TCRD002	96	98	320	2180	0.21799999	3.20E-02
TCRD002	98	100	140	2990	0.29899999	0.014
TCRD002	100	102	590	6910	0.69099998	0.059
TCRD002	102	104	300	2430	0.243	3.00E-02
TCRD002	104	106	260	3390	0.33899999	2.60E-02
TCRD002	106	107	620	6180	0.61799997	6.20E-02
TCRD002	107	108	220	1370	0.13699999	0.022
TCRD002	108	109	80	920	0.092	8.00E-03
TCRD002	109	110	110	4640	0.46399999	0.011
TCRD002	110	111	540	4640	0.46399999	5.40E-02
TCRD002	111	112	640	6580	0.65799999	6.40E-02
TCRD002	112	113	380	4050	0.405	3.80E-02
TCRD002	113	114	230	2190	0.219	0.023
TCRD002	114	115	130	2030	0.20299999	0.013
TCRD002	115	116	80	890	8.90E-02	8.00E-03
TCRD002	116	117	60	940	9.40E-02	6.00E-03
TCRD002	117	118	130	2390	0.23899999	0.013
TCRD002	118	119	100	2630	0.26300001	1.00E-02
TCRD002	119	120	140	2110	0.211	0.014
TCRD002	120	122	240	960	9.60E-02	0.024
TCRD002	122	124	220	5320	0.53200001	0.022
TCRD002	124	125	460	27500	2.75	0.046
TCRD002	125	126	290	40700	4.0700002	2.90E-02
TCRD002	126	127	300	31800	3.1800001	3.00E-02
TCRD002	127	128	360	62300	6.23	3.60E-02
TCRD002	128	129	220	22100	2.21	0.022
TCRD002	129	130	60	4150	0.41499999	6.00E-03
TCRD003	0	4	610	700	0.07	6.10E-02
TCRD003	4	8	310	670	6.70E-02	3.10E-02
TCRD003	8	12	730	1420	0.142	7.30E-02
TCRD003	12	14	130	3830	0.38299999	0.013
TCRD003	14	16	150	4210	0.421	0.015
TCRD003	16	20	580	1100	0.11	5.80E-02
TCRD003	20	24	720	810	0.081	7.20E-02
TCRD003	24	28	460	780	7.80E-02	0.046
TCRD003	28	32	780	1720	0.17200001	7.80E-02
TCRD003	32	36	1800	3400	0.34	0.18000001
TCRD003	36	39	210	740	7.40E-02	0.021
TCRD003	39	40	30	36500	3.6500001	0.003
TCRD003	40	41	40	42200	4.2199998	4.00E-03
TCRD003	41	42	20	17850	1.785	2.00E-03
TCRD003	42	46	140	14700	1.47	0.014
TCRD003	46	50	60	7160	0.71600002	6.00E-03
TCRD003	50	54	11550	75400	7.54	1.155
TCRD003	54	58	1230	55000	5.5	0.123
TCRD003	58	62	830	76200	7.6199999	8.30E-02
TCRD003	62	66	16500	113000	11.3	1.65
TCRD003	66	70	730	72000	7.1999998	7.30E-02
TCRD003	70	74	580	20200	2.02	5.80E-02
TCRD003	74	78	360	8870	0.88700002	3.60E-02
TCRD003	78	82	440	8430	0.84299999	0.044
TCRD003	82	86	900	8650	0.86500001	9.00E-02
TCRD003	86	90	3410	24500	2.45	0.34099999
TCRD003	90	94	2030	20800	2.0799999	0.20299999
TCRD003	94	98	3380	20000	2	0.338
TCRD003	98	100	3710	21100	2.1099999	0.37099999
TCRD003	100	102	3500	21100	2.1099999	0.34999999
TCRD003	102	104	1700	14650	1.465	0.17

TCRD003	104	106	2710	19600	1.96	0.271
TCRD003	106	108	1920	12750	1.275	0.192
TCRD003	108	110	1360	32800	3.28	0.13600001
TCRD003	110	112	3950	26300	2.6300001	0.39500001
TCRD003	112	114	1690	11000	1.1	0.169
TCRD003	114	116	2050	9550	0.95499998	0.205
TCRD003	116	118	1400	11650	1.165	0.14
TCRD003	118	120	2060	16400	1.64	0.206
TCRD003	120	124	5750	8450	0.84500003	0.57499999
TCRD003	124	128	430	11200	1.12	4.30E-02
TCRD003	128	132	290	6670	0.667	2.90E-02
TCRD003	132	134	290	25300	2.53	2.90E-02
TCRD003	134	136	380	67800	6.7800002	3.80E-02
TCRD003	136	138	170	7530	0.75300002	1.70E-02
TCRD003	138	140	330	83500	8.3500004	0.033
TCRD004	0	4	30	70	7.00E-03	0.003
TCRD004	4	8	10	70	7.00E-03	0.001
TCRD004	8	12	10	10	0.001	0.001
TCRD004	12	16	10	10	0.001	0.001
TCRD004	16	20	10	10	0.001	0.001
TCRD004	20	24	10	10	0.001	0.001
TCRD004	24	28	10	-10	-0.001	0.001
TCRD004	28	32	10	-10	-0.001	0.001
TCRD004	32	36	10	-10	-0.001	0.001
TCRD004	36	40	10	-10	-0.001	0.001
TCRD004	40	44	10	-10	-0.001	0.001
TCRD004	44	48	10	-10	-0.001	0.001
TCRD004	48	52	10	-10	-0.001	0.001
TCRD004	52	56	10	-10	-0.001	0.001
TCRD004	56	60	10	10	0.001	0.001
TCRD004	60	64	20	-10	-0.001	2.00E-03
TCRD004	64	68	30	-10	-0.001	0.003
TCRD004	68	72	50	10	0.001	5.00E-03
TCRD004	72	76	60	10	0.001	6.00E-03
TCRD004	76	80	80	20	2.00E-03	8.00E-03
TCRD004	80	84	70	-10	-0.001	7.00E-03
TCRD004	84	88	70	20	2.00E-03	7.00E-03
TCRD004	88	92	50	10	0.001	5.00E-03
TCRD004	92	96	70	20	2.00E-03	7.00E-03
TCRD004	96	100	80	90	9.00E-03	8.00E-03
TCRD004	100	104	110	400	4.00E-02	0.011
TCRD004	104	108	120	170	1.70E-02	0.012
TCRD004	108	112	110	220	0.022	0.011
TCRD004	112	116	230	320	3.20E-02	0.023
TCRD004	116	120	290	520	5.20E-02	2.90E-02
TCRD004	120	124	380	590	0.059	3.80E-02
TCRD004	124	128	240	620	6.20E-02	0.024
TCRD004	128	131	320	620	6.20E-02	3.20E-02
TCRD004	131	134	300	620	6.20E-02	3.00E-02
TCRD004	134	136	580	620	6.20E-02	5.80E-02
TCRD005	0	4	20	10	0.001	2.00E-03
TCRD005	4	8	10	-10	-0.001	0.001
TCRD005	8	12	-10	-10	-0.001	-0.001
TCRD005	12	16	-10	-10	-0.001	-0.001
TCRD005	16	20	10	-10	-0.001	0.001
TCRD005	20	24	10	-10	-0.001	0.001
TCRD005	24	28	10	-10	-0.001	0.001
TCRD005	28	32	10	-10	-0.001	0.001
TCRD005	32	36	-10	-10	-0.001	-0.001
TCRD005	36	40	10	-10	-0.001	0.001
TCRD005	40	44	-10	-10	-0.001	-0.001
TCRD005	44	48	-10	-10	-0.001	-0.001
TCRD005	48	52	-10	-10	-0.001	-0.001

TCRD005	52	56	10	-10	-0.001	0.001
TCRD005	56	60	10	-10	-0.001	0.001
TCRD005	60	64	10	-10	-0.001	0.001
TCRD005	64	68	10	-10	-0.001	0.001
TCRD005	68	72	-10	-10	-0.001	-0.001
TCRD005	72	76	10	-10	-0.001	0.001
TCRD005	76	80	-10	-10	-0.001	-0.001
TCRD005	80	84	10	-10	-0.001	0.001
TCRD005	84	88	-10	-10	-0.001	-0.001
TCRD005	88	92	-10	-10	-0.001	-0.001
TCRD005	92	96	-10	-10	-0.001	-0.001
TCRD005	96	100	-10	-10	-0.001	-0.001
TCRD005	100	104	-10	-10	-0.001	-0.001
TCRD005	104	108	-10	-10	-0.001	-0.001
TCRD005	108	112	10	-10	-0.001	0.001
TCRD005	112	116	10	-10	-0.001	0.001
TCRD005	116	120	-10	-10	-0.001	-0.001
TCRD005	120	124	10	-10	-0.001	0.001
TCRD005	124	128	-10	-10	-0.001	-0.001
TCRD005	128	132	10	-10	-0.001	0.001
TCRD005	132	136	10	-10	-0.001	0.001
TCRD005	136	140	140	170	1.70E-02	0.014
TCRD006	0	4	980	490	4.90E-02	9.80E-02
TCRD006	4	8	70	190	1.90E-02	7.00E-03
TCRD006	8	12	70	210	0.021	7.00E-03
TCRD006	12	16	70	270	2.70E-02	7.00E-03
TCRD006	16	20	80	450	4.50E-02	8.00E-03
TCRD006	20	24	140	550	0.055	0.014
TCRD006	24	28	200	620	6.20E-02	0.02
TCRD006	28	32	230	590	0.059	0.023
TCRD006	32	36	280	550	0.055	2.80E-02
TCRD006	36	40	920	700	0.07	0.092
TCRD006	40	42	8240	9910	0.991	0.824
TCRD006	42	44	11700	28000	2.8	1.17
TCRD006	44	46	550	31700	3.1700001	0.055
TCRD006	46	47	640	24300	2.4300001	6.40E-02
TCRD006	47	48	260	45200	4.52	2.60E-02
TCRD006	48	49	440	50600	5.0599999	0.044
TCRD006	49	50	280	20500	2.05	2.80E-02
TCRD006	50	52	520	20600	2.0599999	5.20E-02
TCRD006	52	54	420	55400	5.54	4.20E-02
TCRD006	54	56	1070	32200	3.22	0.107
TCRD006	56	58	820	19700	1.97	8.20E-02
TCRD006	58	60	650	34200	3.4200001	6.50E-02
TCRD006	60	62	240	37900	3.79	0.024
TCRD006	62	64	3190	51800	5.1799998	0.31900001
TCRD006	64	66	150	31400	3.1400001	0.015
TCRD006	66	68	150	58500	5.8499999	0.015
TCRD006	68	70	140	32800	3.28	0.014
TCRD006	70	72	110	78100	7.8099999	0.011
TCRD006	72	74	100	77400	7.7399998	1.00E-02
TCRD006	74	76	320	66000	6.5999999	3.20E-02
TCRD006	76	78	3630	42900	4.29	0.36300001
TCRD006	78	80	4750	34600	3.46	0.47499999
TCRD006	80	82	7330	39600	3.96	0.73299998
TCRD006	82	84	170	26200	2.6199999	1.70E-02
TCRD006	84	86	7220	49700	4.9699998	0.722
TCRD006	86	88	19600	42700	4.27	1.96
TCRD006	88	90	7960	56100	5.6100001	0.796
TCRD006	90	91	13400	46700	4.6700001	1.34
TCRD006	91	92	7720	34800	3.48	0.77200001
TCRD006	92	93	15450	60700	6.0700002	1.545
TCRD006	93	94	15750	44500	4.4499998	1.575

TCRD006	94	95	11750	62200	6.2199998	1.175
TCRD006	95	96	5410	46500	4.6500001	0.54100001
TCRD006	96	97	16000	104500	10.45	1.6
TCRD006	97	98	4610	41800	4.1799998	0.461
TCRD006	98	99	6770	63800	6.3800001	0.67699999
TCRD006	99	100	7760	49000	4.9000001	0.77600002
TCRD006	100	101	7370	70400	7.04	0.73699999
TCRD006	101	102	4320	43600	4.3600001	0.43200001
TCRD006	102	103	4610	34800	3.48	0.461
TCRD006	103	104	8600	47600	4.7600002	0.86000001
TCRD006	104	105	6610	50300	5.0300002	0.66100001
TCRD006	105	106	2630	33500	3.3499999	0.26300001
TCRD006	106	107	14450	68600	6.8600001	1.4450001
TCRD006	107	108	8950	69800	6.98	0.89499998
TCRD006	108	109	9160	58100	5.8099999	0.91600001
TCRD006	109	110	2150	25900	2.5899999	0.215
TCRD006	110	111	4940	59600	5.96	0.49399999
TCRD006	111	112	3470	13050	1.3049999	0.347
TCRD006	112	113	1610	22000	2.2	0.161
TCRD006	113	114	1190	16900	1.6900001	0.119
TCRD006	114	115	4900	58400	5.8400002	0.49000001
TCRD006	115	116	2870	35400	3.54	0.287
TCRD006	116	117	2510	29300	2.9300001	0.25099999
TCRD006	117	118	1770	21800	2.1800001	0.177
TCRD006	118	119	2410	35600	3.5599999	0.241
TCRD006	119	120	1440	22500	2.25	0.14399999
TCRD006	120	121	1520	23000	2.3	0.152
TCRD006	121	122	8770	57200	5.7199998	0.87699997
TCRD006	122	123	5670	55600	5.5599999	0.56699997
TCRD006	123	124	8070	60100	6.0100002	0.80699998
TCRD006	124	125	2190	43000	4.3000002	0.219
TCRD006	125	126	1920	45500	4.5500002	0.192
TCRD006	126	127	4360	45500	4.5500002	0.43599999
TCRD006	127	128	2180	28900	2.8900001	0.21799999
TCRD006	128	129	12350	93000	9.3000002	1.235
TCRD006	129	130	7720	58900	5.8899999	0.77200001
TCRD006	130	132	7480	54100	5.4099998	0.74800003
TCRD006	132	135	5570	30500	3.05	0.55699998
TCRD006	135	137	7740	26400	2.6400001	0.77399999
TCRD006	137	140	4510	28500	2.8499999	0.45100001
TCRD007	0	4	120	210	0.021	0.012
TCRD007	4	8	200	390	3.90E-02	0.02
TCRD007	8	12	210	390	3.90E-02	0.021
TCRD007	12	16	250	330	0.033	0.025
TCRD007	16	20	240	300	3.00E-02	0.024
TCRD007	20	24	170	310	3.10E-02	1.70E-02
TCRD007	24	28	50	160	1.60E-02	5.00E-03
TCRD007	28	32	80	470	4.70E-02	8.00E-03
TCRD007	32	36	80	420	4.20E-02	8.00E-03
TCRD007	36	40	40	550	0.055	4.00E-03
TCRD007	40	44	70	460	0.046	7.00E-03
TCRD007	44	48	110	790	7.90E-02	0.011
TCRD007	48	50	80	790	7.90E-02	8.00E-03
TCRD007	50	52	60	4390	0.43900001	6.00E-03
TCRD007	52	54	120	2240	0.22400001	0.012
TCRD007	54	58	190	1690	0.169	1.90E-02
TCRD007	58	62	120	1380	0.138	0.012
TCRD007	62	64	110	2340	0.234	0.011
TCRD007	64	66	70	1810	0.18099999	7.00E-03
TCRD007	66	68	120	4030	0.403	0.012
TCRD007	68	70	90	1940	0.19400001	9.00E-03
TCRD007	70	72	110	7120	0.71200001	0.011
TCRD007	72	74	100	4940	0.49399999	1.00E-02

TCRD007	74	76	140	4970	0.49700001	0.014
TCRD007	76	78	190	5450	0.54500002	1.90E-02
TCRD007	78	80	120	5940	0.59399998	0.012
TCRD007	80	81	100	5540	0.55400002	1.00E-02
TCRD007	81	82	120	4630	0.463	0.012
TCRD007	82	83	220	7200	0.72000003	0.022
TCRD007	83	84	160	4670	0.46700001	1.60E-02
TCRD007	84	85	150	7800	0.77999997	0.015
TCRD007	85	86	160	4070	0.40700001	1.60E-02
TCRD007	86	87	190	6930	0.69300002	1.90E-02
TCRD007	87	88	1220	14600	1.46	0.122
TCRD007	88	89	750	12300	1.23	7.50E-02
TCRD007	89	90	820	31600	3.1600001	8.20E-02
TCRD007	90	91	1710	52200	5.2199998	0.171
TCRD007	91	92	1920	25500	2.55	0.192
TCRD007	92	93	1530	34700	3.47	0.153
TCRD007	93	94	560	20400	2.04	5.60E-02
TCRD007	94	95	640	45100	4.5100002	6.40E-02
TCRD007	95	96	540	13050	1.3049999	5.40E-02
TCRD007	96	97	530	30000	3	5.30E-02
TCRD007	97	98	740	18600	1.86	7.40E-02
TCRD007	98	99	1570	26300	2.6300001	0.15700001
TCRD007	99	100	510	7620	0.76200002	5.10E-02
TCRD007	100	101	460	7960	0.796	0.046
TCRD007	101	102	560	10500	1.05	5.60E-02
TCRD007	102	103	720	9120	0.912	7.20E-02
TCRD007	103	104	690	16200	1.62	6.90E-02
TCRD007	104	105	600	21800	2.1800001	6.00E-02
TCRD007	105	106	700	8550	0.85500002	0.07
TCRD007	106	107	3700	19200	1.92	0.37
TCRD007	107	108	35500	38500	3.8499999	3.55
TCRD007	108	109	24600	63700	6.3699999	2.46
TCRD007	109	110	4520	18000	1.8	0.45199999
TCRD007	110	111	6280	51400	5.1399999	0.62800002
TCRD007	111	112	6340	43000	4.3000002	0.634
TCRD007	112	113	14900	119000	11.9	1.49
TCRD007	113	114	3900	83900	8.3900003	0.38999999
TCRD007	114	115	1560	83200	8.3199997	0.156
TCRD007	115	116	1840	117500	11.75	0.184
TCRD007	116	117	1100	72600	7.2600002	0.11
TCRD007	117	118	570	72900	7.29	0.057
TCRD007	118	119	410	45300	4.5300002	4.10E-02
TCRD007	119	120	350	36500	3.6500001	0.035
TCRD007	120	121	420	40200	4.02	4.20E-02
TCRD007	121	122	410	54100	5.4099998	4.10E-02
TCRD007	122	123	950	81900	8.1899996	9.50E-02
TCRD007	123	124	690	95100	9.5100002	6.90E-02
TCRD007	124	125	320	54000	5.4000001	3.20E-02
TCRD007	125	126	270	59500	5.9499998	2.70E-02
TCRD007	126	127	300	76000	7.5999999	3.00E-02
TCRD007	127	128	730	190000	19	7.30E-02
TCRD007	128	129	860	155000	15.5	8.60E-02
TCRD007	129	130	650	130500	13.05	6.50E-02
TCRD007	130	131	400	64500	6.4499998	4.00E-02
TCRD007	131	132	420	82000	8.1999998	4.20E-02
TCRD007	132	133	310	48500	4.8499999	3.10E-02
TCRD007	133	134	660	68000	6.8000002	0.066
TCRD007	134	135	480	74200	7.4200001	0.048
TCRD007	135	136	350	47300	4.73	0.035
TCRD007	136	137	400	23900	2.3900001	4.00E-02
TCRD007	137	138	300	39300	3.9300001	3.00E-02
TCRD007	138	139	360	28200	2.8199999	3.60E-02
TCRD007	139	140	210	37100	3.71	0.021

TCRD008	0	4	-10	120	0.012	-0.001
TCRD008	4	8	-10	30	0.003	-0.001
TCRD008	8	12	-10	20	2.00E-03	-0.001
TCRD008	12	16	-10	-10	-0.001	-0.001
TCRD008	16	20	-10	-10	-0.001	-0.001
TCRD008	20	24	-10	40	4.00E-03	-0.001
TCRD008	24	28	-10	-10	-0.001	-0.001
TCRD008	28	32	-10	-10	-0.001	-0.001
TCRD008	32	36	-10	10	0.001	-0.001
TCRD008	36	40	-10	-10	-0.001	-0.001
TCRD008	40	44	-10	-10	-0.001	-0.001
TCRD008	44	48	-10	-10	-0.001	-0.001
TCRD008	48	52	-10	-10	-0.001	-0.001
TCRD008	52	56	-10	-10	-0.001	-0.001
TCRD008	56	60	-10	-10	-0.001	-0.001
TCRD008	60	64	-10	10	0.001	-0.001
TCRD008	64	68	-10	-10	-0.001	-0.001
TCRD008	68	72	-10	10	0.001	-0.001
TCRD008	72	76	-10	-10	-0.001	-0.001
TCRD008	76	80	-10	60	6.00E-03	-0.001
TCRD008	80	84	10	60	6.00E-03	0.001
TCRD008	84	88	-10	-10	-0.001	-0.001
TCRD008	88	92	-10	-10	-0.001	-0.001
TCRD008	92	96	-10	10	0.001	-0.001
TCRD008	96	100	10	-10	-0.001	0.001
TCRD008	100	104	10	10	0.001	0.001
TCRD008	104	108	-10	10	0.001	-0.001
TCRD008	108	112	-10	-10	-0.001	-0.001
TCRD008	112	116	-10	-10	-0.001	-0.001
TCRD008	116	120	-10	10	0.001	-0.001
TCRD008	120	124	-10	10	0.001	-0.001
TCRD008	124	128	-10	-10	-0.001	-0.001
TCRD008	128	132	-10	-10	-0.001	-0.001
TCRD008	132	136	-10	10	0.001	-0.001
TCRD008	136	140	-10	-10	-0.001	-0.001
TCRD009	0	4	1110	1160	0.116	0.111
TCRD009	4	8	280	650	6.50E-02	2.80E-02
TCRD009	8	12	740	1090	0.109	7.40E-02
TCRD009	12	16	560	980	9.80E-02	5.60E-02
TCRD009	16	20	500	1030	0.103	5.00E-02
TCRD009	20	24	940	1540	0.154	9.40E-02
TCRD009	24	28	1230	1830	0.183	0.123
TCRD009	28	32	1490	2710	0.271	0.149
TCRD009	32	36	1280	2500	0.25	0.12800001
TCRD009	36	40	1580	3820	0.382	0.15800001
TCRD009	40	44	1580	1850	0.185	0.15800001
TCRD009	44	48	2530	2360	0.236	0.25299999
TCRD009	48	52	2870	2960	0.296	0.287
TCRD009	52	56	1020	1700	0.17	0.102
TCRD009	56	60	560	1100	0.11	5.60E-02
TCRD009	60	64	500	1430	0.14300001	5.00E-02
TCRD009	64	69	470	1550	0.155	4.70E-02
TCRD009	69	73	760	1960	0.19599999	7.60E-02
TCRD009	73	77	220	1290	0.12899999	0.022
TCRD009	77	81	200	1180	0.118	0.02
TCRD009	81	85	440	1630	0.163	0.044
TCRD009	85	89	250	1050	0.105	0.025
TCRD009	89	93	250	1700	0.17	0.025
TCRD009	93	97	260	1150	0.115	2.60E-02
TCRD009	97	101	160	430	4.30E-02	1.60E-02
TCRD009	101	105	550	1130	0.113	0.055
TCRD009	105	109	560	1680	0.168	5.60E-02
TCRD010	1	5	240	830	8.30E-02	0.024

TCRD010	5	9	1430	1660	0.16599999	0.14300001
TCRD010	9	13	930	1360	0.13600001	9.30E-02
TCRD010	13	17	2370	2680	0.26800001	0.237
TCRD010	17	21	2850	3320	0.33199999	0.285
TCRD010	21	25	1710	2830	0.28299999	0.171
TCRD010	25	29	860	1770	0.177	8.60E-02
TCRD010	29	33	400	1510	0.15099999	4.00E-02
TCRD010	33	37	460	1400	0.14	0.046
TCRD010	37	41	860	1720	0.17200001	8.60E-02
TCRD010	41	45	2870	3850	0.38499999	0.287
TCRD010	45	49	10900	6860	0.68599999	1.09
TCRD010	49	51	4660	8280	0.82800001	0.46599999
TCRD010	51	53	1470	5880	0.588	0.147
TCRD010	53	55	2710	8450	0.84500003	0.271
TCRD010	55	59	1280	3010	0.301	0.12800001
TCRD010	59	63	2560	2520	0.252	0.25600001
TCRD010	63	67	2290	2980	0.29800001	0.229
TCRD010	67	71	1480	1940	0.19400001	0.148
TCRD010	71	75	1370	1520	0.152	0.13699999
TCRD010	75	79	1050	2010	0.20100001	0.105
TCRD010	79	83	620	1280	0.12800001	6.20E-02
TCRD010	83	87	2910	2340	0.234	0.29100001
TCRD010	87	89	610	2110	0.211	6.10E-02
TCRD010	89	91	940	3290	0.329	9.40E-02
TCRD010	91	93	400	890	8.90E-02	4.00E-02
TCRD010	93	97	150	490	4.90E-02	0.015
TCRD010	97	100	140	430	4.30E-02	0.014
TCRD011	1	5	610	1020	0.102	6.10E-02
TCRD011	5	9	930	1790	0.17900001	9.30E-02
TCRD011	9	13	1430	850	8.50E-02	0.14300001
TCRD011	13	17	990	1250	0.125	9.90E-02
TCRD011	17	21	2470	2820	0.28200001	0.24699999
TCRD011	21	25	3450	6760	0.676	0.345
TCRD011	25	27	5800	12400	1.24	0.57999998
TCRD011	27	28	2410	7950	0.79500002	0.241
TCRD011	28	29	1540	34100	3.4100001	0.154
TCRD011	29	30	1130	5740	0.574	0.113
TCRD011	30	31	2180	16200	1.62	0.21799999
TCRD011	31	32	2850	13250	1.325	0.285
TCRD011	32	33	1830	6370	0.63700002	0.183
TCRD011	33	34	2530	24200	2.4200001	0.25299999
TCRD011	34	35	5000	77800	7.7800002	0.5
TCRD011	35	36	1750	134000	13.4	0.175
TCRD011	36	37	2700	152500	15.25	0.27000001
TCRD011	37	38	1790	187500	18.75	0.17900001
TCRD011	38	39	2580	105000	10.5	0.25799999
TCRD011	39	40	1470	72300	7.23	0.147
TCRD011	40	41	1820	58800	5.8800001	0.182
TCRD011	41	42	1680	42900	4.29	0.168
TCRD011	42	43	1390	86700	8.6700001	0.139
TCRD011	43	44	950	69900	6.9899998	9.50E-02
TCRD011	44	45	770	14050	1.405	0.077
TCRD011	45	46	700	100500	10.05	0.07
TCRD011	46	47	3610	75900	7.5900002	0.361
TCRD011	47	48	6930	94000	9.3999996	0.69300002
TCRD011	48	49	6850	96500	9.6499996	0.685
TCRD011	49	50	2480	104500	10.45	0.248
TCRD011	50	51	1510	119500	11.95	0.15099999
TCRD011	51	52	1900	162500	16.25	0.19
TCRD011	52	53	800	64100	6.4099998	8.00E-02
TCRD011	53	54	1320	42500	4.25	0.132
TCRD011	54	55	560	46700	4.6700001	5.60E-02
TCRD011	55	56	520	31700	3.1700001	5.20E-02

TCRD011	56	57	470	32100	3.21	4.70E-02
TCRD011	57	58	550	55500	5.5500002	0.055
TCRD011	58	59	390	101500	10.15	3.90E-02
TCRD011	59	60	2090	49200	4.9200001	0.20900001
TCRD011	60	61	2180	55700	5.5700002	0.21799999
TCRD011	61	62	2290	60900	6.0900002	0.229
TCRD011	62	63	2370	48600	4.8600001	0.237
TCRD011	63	64	2680	76200	7.6199999	0.26800001
TCRD011	64	65	2110	102000	10.2	0.211
TCRD011	65	66	1830	96700	9.6700001	0.183
TCRD011	66	67	1370	190000	19	0.13699999
TCRD011	67	68	1400	129500	12.95	0.14
TCRD012	1	5	230	1660	0.16599999	0.023
TCRD012	5	9	390	770	0.077	3.90E-02
TCRD012	9	13	310	1080	0.108	3.10E-02
TCRD012	13	17	1890	1460	0.146	0.189
TCRD012	17	21	1850	2500	0.25	0.185
TCRD012	21	25	3910	4710	0.47099999	0.391
TCRD012	25	29	2200	2070	0.207	0.22
TCRD012	29	33	2140	2980	0.29800001	0.214
TCRD012	33	37	7880	9490	0.949	0.78799999
TCRD012	37	39	5150	6870	0.68699998	0.51499999
TCRD012	39	41	4340	6120	0.61199999	0.43399999
TCRD012	41	43	3370	5480	0.54799998	0.33700001
TCRD012	43	44	3750	8440	0.84399998	0.375
TCRD012	44	45	2160	9680	0.96799999	0.21600001
TCRD012	45	46	1610	4900	0.49000001	0.161
TCRD012	46	47	1770	9470	0.94700003	0.177
TCRD012	47	48	2850	23500	2.3499999	0.285
TCRD012	48	49	6270	54100	5.4099998	0.62699997
TCRD012	49	50	6110	21100	2.1099999	0.611
TCRD012	50	51	2550	8370	0.83700001	0.255
TCRD012	51	52	3260	15650	1.5650001	0.32600001
TCRD012	52	54	1490	3000	0.30000001	0.149
TCRD012	54	56	1590	9410	0.94099998	0.15899999
TCRD012	56	58	1270	4300	0.43000001	0.127
TCRD012	58	60	580	11700	1.17	5.80E-02
TCRD012	60	62	1290	5030	0.50300002	0.12899999
TCRD012	62	64	2040	5300	0.52999997	0.204
TCRD012	64	66	3210	19100	1.91	0.32100001
TCRD012	66	68	2600	18200	1.8200001	0.25999999
TCRD012	68	72	760	3710	0.37099999	7.60E-02
TCRD012	72	76	160	900	9.00E-02	1.60E-02
TCRD012	76	80	360	550	0.055	3.60E-02
TCRD012	80	84	2110	4070	0.40700001	0.211
TCRD012	84	88	570	5250	0.52499998	0.057
TCRD012	88	92	560	6840	0.68400002	5.60E-02
TCRD012	92	96	1170	5530	0.55299997	0.117
TCRD012	96	100	1250	3910	0.391	0.125
TCRD013	1	5	400	1020	0.102	4.00E-02
TCRD013	5	9	300	760	7.60E-02	3.00E-02
TCRD013	9	13	420	850	8.50E-02	4.20E-02
TCRD013	13	17	360	1020	0.102	3.60E-02
TCRD013	17	21	220	1070	0.107	0.022
TCRD013	21	25	120	810	0.081	0.012
TCRD013	25	29	180	850	8.50E-02	1.80E-02
TCRD013	29	33	200	900	9.00E-02	0.02
TCRD013	33	37	370	2270	0.227	0.037
TCRD013	37	41	300	1220	0.122	3.00E-02
TCRD013	41	45	580	2300	0.23	5.80E-02
TCRD013	45	47	230	14050	1.405	0.023
TCRD013	47	49	120	2260	0.226	0.012
TCRD013	49	51	60	2500	0.25	6.00E-03

TCRD013	51	53	10	3440	0.34400001	0.001
TCRD013	53	57	-10	1180	0.118	-0.001
TCRD013	57	60	-10	1200	0.12	-0.001
TCRD013	60	62	10	20100	2.01	0.001
TCRD013	62	66	10	1620	0.162	0.001
TCRD013	66	70	30	1570	0.15700001	0.003
TCRD013	70	74	30	7550	0.755	0.003
TCRD013	74	78	120	20100	2.01	0.012
TCRD013	78	82	50	11650	1.165	5.00E-03
TCRD013	82	84	40	8430	0.84299999	4.00E-03
TCRD013	84	86	60	40300	4.0300002	6.00E-03
TCRD013	86	88	100	22000	2.2	1.00E-02
TCRD013	88	90	50	2980	0.29800001	5.00E-03
TCRD013	90	92	90	4040	0.40400001	9.00E-03
TCRD013	92	94	120	4940	0.49399999	0.012
TCRD013	94	96	120	2590	0.259	0.012
TCRD013	96	98	150	3530	0.35299999	0.015
TCRD013	98	100	130	21700	2.1700001	0.013
TCRD013	100	104	2050	17850	1.785	0.205
TCRD013	104	108	370	6660	0.66600001	0.037
TCRD013	108	112	380	9530	0.95300001	3.80E-02
TCRD013	112	114	570	5780	0.57800001	0.057
TCRD013	114	116	660	8650	0.86500001	0.066
TCRD013	116	120	1540	5580	0.55800003	0.154
TCRD013	120	124	590	9520	0.95200002	0.059
TCRD013	124	128	770	5190	0.51899999	0.077
TCRD013	128	132	710	3830	0.38299999	7.10E-02
TCRD013	132	136	500	5240	0.52399999	5.00E-02
TCRD013	136	140	470	2930	0.29300001	4.70E-02
TCRD014	0	4	560	1250	0.125	5.60E-02
TCRD014	4	8	690	1870	0.18700001	6.90E-02
TCRD014	8	12	150	2890	0.289	0.015
TCRD014	12	16	620	3310	0.331	6.20E-02
TCRD014	16	18	420	3550	0.35499999	4.20E-02
TCRD014	18	20	1140	5500	0.55000001	0.114
TCRD014	20	22	1430	15750	1.575	0.14300001
TCRD014	22	24	490	7510	0.75099999	4.90E-02
TCRD014	24	26	1240	18100	1.8099999	0.124
TCRD014	26	27	4600	69000	6.9000001	0.46000001
TCRD014	27	28	6730	91000	9.1000004	0.67299998
TCRD014	28	29	5420	91800	9.1800003	0.542
TCRD014	29	31	1850	18450	1.845	0.185
TCRD014	31	33	1720	44100	4.4099998	0.17200001
TCRD014	33	34	1370	65100	6.5100002	0.13699999
TCRD014	34	35	4710	117500	11.75	0.47099999
TCRD014	35	36	7220	194500	19.450001	0.722
TCRD014	36	37	9650	42200	4.2199998	0.96499997
TCRD014	37	38	7010	21600	2.1600001	0.70099998
TCRD014	38	39	5800	12750	1.275	0.57999998
TCRD014	39	40	5020	11700	1.17	0.50199997
TCRD014	40	44	2370	5730	0.57300001	0.237
TCRD014	44	48	1350	860	8.60E-02	0.13500001
TCRD014	48	52	620	1120	0.112	6.20E-02
TCRD014	52	56	370	960	9.60E-02	0.037
TCRD014	56	60	430	1020	0.102	4.30E-02
TCRD015	2	6	650	1150	0.115	6.50E-02
TCRD015	6	10	230	1060	0.106	0.023
TCRD015	10	14	80	960	9.60E-02	8.00E-03
TCRD015	14	18	280	2290	0.229	2.80E-02
TCRD015	18	22	80	1350	0.13500001	8.00E-03
TCRD015	22	25	120	2100	0.20999999	0.012
TCRD015	25	27	200	17500	1.75	0.02
TCRD015	27	29	320	27100	2.71	3.20E-02

TCRD015	29	31	560	15150	1.515	5.60E-02
TCRD015	31	34	410	19100	1.91	4.10E-02
TCRD015	34	35	230	47700	4.77	0.023
TCRD015	35	36	650	120000	12	6.50E-02
TCRD015	36	37	940	60900	6.0900002	9.40E-02
TCRD015	37	38	330	32200	3.22	0.033
TCRD015	38	39	700	119000	11.9	0.07
TCRD015	39	40	1020	120000	12	0.102
TCRD015	40	41	1090	60800	6.0799999	0.109
TCRD015	41	42	370	68500	6.8499999	0.037
TCRD015	42	43	320	40700	4.0700002	3.20E-02
TCRD015	43	44	580	70000	7	5.80E-02
TCRD015	44	45	540	77000	7.6999998	5.40E-02
TCRD015	45	46	280	19300	1.9299999	2.80E-02
TCRD015	46	47	390	70800	7.0799999	3.90E-02
TCRD015	47	48	600	71700	7.1700001	6.00E-02
TCRD015	48	49	700	60900	6.0900002	0.07
TCRD015	49	50	330	164500	16.450001	0.033
TCRD015	50	51	500	269000	26.9	5.00E-02
TCRD015	52	53	510	56900	5.6900001	5.10E-02
TCRD015	53	54	520	50200	5.02	5.20E-02
TCRD015	54	55	310	39400	3.9400001	3.10E-02
TCRD015	55	56	400	88700	8.8699999	4.00E-02
TCRD015	56	57	500	82400	8.2399998	5.00E-02
TCRD015	57	58	520	122500	12.25	5.20E-02
TCRD015	58	59	590	59100	5.9099998	0.059
TCRD015	59	60	410	197500	19.75	4.10E-02
TCRD015	60	61	570	48800	4.8800001	0.057
TCRD015	61	62	690	47300	4.73	6.90E-02
TCRD015	62	63	610	28700	2.8699999	6.10E-02
TCRD015	63	64	550	18350	1.835	0.055
TCRD015	64	65	400	16050	1.605	4.00E-02
TCRD015	65	66	160	65500	6.5500002	1.60E-02
TCRD015	66	67	80	28200	2.8199999	8.00E-03
TCRD015	67	68	90	19300	1.9299999	9.00E-03
TCRD015	68	69	160	20700	2.0699999	1.60E-02
TCRD015	69	70	240	72400	7.2399998	0.024
TCRD015	70	71	650	74800	7.48	6.50E-02
TCRD015	71	72	670	49000	4.9000001	6.70E-02
TCRD015	72	73	430	103500	10.35	4.30E-02
TCRD015	73	74	270	64800	6.48	2.70E-02
TCRD015	74	75	170	105500	10.55	1.70E-02
TCRD015	75	76	120	76100	7.6100001	0.012
TCRD015	76	77	130	78200	7.8200002	0.013
TCRD016	1	5	90	560	5.60E-02	9.00E-03
TCRD016	5	9	540	1080	0.108	5.40E-02
TCRD016	9	13	4590	3220	0.322	0.45899999
TCRD016	13	17	4470	3580	0.35800001	0.447
TCRD016	17	21	1160	1850	0.185	0.116
TCRD016	21	25	4020	5730	0.57300001	0.40200001
TCRD016	25	29	2000	2260	0.226	0.2
TCRD016	29	33	3400	2860	0.28600001	0.34
TCRD016	33	37	940	1270	0.127	9.40E-02
TCRD016	37	41	3840	2530	0.25299999	0.384
TCRD016	41	45	450	22400	2.24	4.50E-02
TCRD016	45	49	1080	2530	0.25299999	0.108
TCRD016	49	53	450	1740	0.17399999	4.50E-02
TCRD016	53	56	750	1820	0.182	7.50E-02
TCRD016	56	61	1810	2750	0.27500001	0.18099999
TCRD016	61	65	750	1620	0.162	7.50E-02
TCRD016	65	69	820	1640	0.164	8.20E-02
TCRD016	69	73	560	2470	0.24699999	5.60E-02
TCRD016	73	77	820	2180	0.21799999	8.20E-02

TCRD016	77	81	1010	2800	0.28	0.101
TCRD016	81	85	780	2640	0.264	7.80E-02
TCRD017	0	4	640	670	6.70E-02	6.40E-02
TCRD017	4	8	390	970	9.70E-02	3.90E-02
TCRD017	8	12	20	400	4.00E-02	2.00E-03
TCRD017	12	16	10	430	4.30E-02	0.001
TCRD017	16	20	50	460	0.046	5.00E-03
TCRD017	20	24	60	350	0.035	6.00E-03
TCRD017	24	28	180	640	6.40E-02	1.80E-02
TCRD017	28	32	60	880	0.088	6.00E-03
TCRD017	32	36	80	610	6.10E-02	8.00E-03
TCRD017	36	40	70	660	0.066	7.00E-03
TCRD017	40	44	60	970	9.70E-02	6.00E-03
TCRD017	44	48	140	850	8.50E-02	0.014
TCRD017	48	52	110	950	9.50E-02	0.011
TCRD017	52	56	110	920	0.092	0.011
TCRD017	56	60	80	1500	0.15000001	8.00E-03
TCRD017	61	65	50	980	9.80E-02	5.00E-03
TCRD017	65	68	50	690	6.90E-02	5.00E-03
TCRD017	68	72	40	920	0.092	4.00E-03
TCRD017	72	75	30	890	8.90E-02	0.003
TCRD017	75	78	40	970	9.70E-02	4.00E-03
TCRD017	78	81	30	950	9.50E-02	0.003
TCRD017	81	85	40	1020	0.102	4.00E-03
TCRD017	85	89	50	880	0.088	5.00E-03
TCRD017	89	93	70	2500	0.25	7.00E-03
TCRD017	93	97	70	1400	0.14	7.00E-03
TCRD017	97	101	140	1340	0.134	0.014
TCRD017	101	105	50	1090	0.109	5.00E-03
TCRD017	105	108	60	2510	0.25099999	6.00E-03
TCRD017	108	109	70	15750	1.575	7.00E-03
TCRD017	109	110	120	88400	8.8400002	0.012
TCRD017	110	111	150	63400	6.3400002	0.015
TCRD017	111	112	150	135000	13.5	0.015
TCRD017	112	113	180	44100	4.4099998	1.80E-02
TCRD017	113	114	170	41200	4.1199999	1.70E-02
TCRD017	114	115	190	43700	4.3699999	1.90E-02
TCRD017	115	116	200	44300	4.4299998	0.02
TCRD017	116	117	250	71000	7.0999999	0.025
TCRD017	117	118	280	20000	2	2.80E-02
TCRD017	118	119	140	15700	1.5700001	0.014
TCRD017	119	120	140	14200	1.42	0.014
TCRD017	120	121	150	112500	11.25	0.015
TCRD017	121	123	120	3080	0.308	0.012
TCRD017	123	125	140	22200	2.22	0.014
TCRD017	125	127	170	4230	0.42300001	1.70E-02
TCRD017	127	129	140	4890	0.48899999	0.014
TCRD017	129	131	210	1910	0.191	0.021
TCRD017	131	133	270	7670	0.76700002	2.70E-02
TCRD017	133	135	200	1690	0.169	0.02
TCRD017	135	137	190	2530	0.25299999	1.90E-02
TCRD017	137	140	270	680	6.80E-02	2.70E-02
TCRD018	0	6	760	620	6.20E-02	7.60E-02
TCRD018	6	10	1150	960	9.60E-02	0.115
TCRD018	10	14	4020	2960	0.296	0.40200001
TCRD018	14	18	5670	4500	0.44999999	0.56699997
TCRD018	18	22	5810	6300	0.63	0.58099997
TCRD018	22	26	10750	9470	0.94700003	1.075
TCRD018	26	30	4570	5780	0.57800001	0.45699999
TCRD018	30	34	8160	7550	0.755	0.81599998
TCRD018	34	38	5270	5050	0.505	0.52700001
TCRD018	38	42	4050	5040	0.50400001	0.405
TCRD018	42	44	2100	8080	0.80800003	0.20999999

TCRD018	44	46	3240	6560	0.65600002	0.324
TCRD018	46	48	2480	14900	1.49	0.248
TCRD018	48	50	2910	4910	0.491	0.29100001
TCRD018	50	52	4210	5000	0.5	0.421
TCRD018	52	54	2980	2200	0.22	0.29800001
TCRD018	54	56	1130	4160	0.41600001	0.113
TCRD018	56	58	1290	44600	4.46	0.12899999
TCRD018	58	60	2740	191000	19.1	0.27399999
TCRD018	60	62	1990	65200	6.52	0.199
TCRD018	62	64	190	12350	1.235	1.90E-02
TCRD018	64	66	660	8860	0.88599998	0.066
TCRD018	66	68	190	1520	0.152	1.90E-02
TCRD018	68	70	600	7150	0.71499997	6.00E-02
TCRD018	70	72	1020	2890	0.289	0.102
TCRD018	72	74	800	2350	0.235	8.00E-02
TCRD018	74	76	1110	2890	0.289	0.111
TCRD018	76	78	2730	3720	0.37200001	0.273
TCRD018	78	79	1680	2390	0.23899999	0.168
TCRD018	79	80	1160	2560	0.25600001	0.116
TCRD019	2	6	520	1110	0.111	5.20E-02
TCRD019	6	10	6500	2430	0.243	0.64999998
TCRD019	10	14	1730	1270	0.127	0.17299999
TCRD019	14	18	2760	1740	0.17399999	0.27599999
TCRD019	18	22	820	1520	0.152	8.20E-02
TCRD019	22	26	560	740	7.40E-02	5.60E-02
TCRD019	26	30	1350	1820	0.182	0.13500001
TCRD019	30	34	1310	2800	0.28	0.131
TCRD019	34	38	980	1550	0.155	9.80E-02
TCRD019	38	42	2980	1980	0.198	0.29800001
TCRD019	42	46	8670	6360	0.63599998	0.86699998
TCRD019	46	50	2000	2320	0.23199999	0.2
TCRD019	50	54	1410	2430	0.243	0.141
TCRD019	54	58	290	1180	0.118	2.90E-02
TCRD019	58	62	180	890	8.90E-02	1.80E-02
TCRD019	62	66	790	2490	0.249	7.90E-02
TCRD019	66	70	1060	2790	0.27900001	0.106
TCRD019	70	74	800	2360	0.236	8.00E-02
TCRD019	74	78	410	1420	0.142	4.10E-02
TCRD019	78	82	6700	9080	0.90799999	0.67000002
TCRD019	82	85	3680	5990	0.59899998	0.368
TCRD019	85	87	830	16900	1.6900001	8.30E-02
TCRD019	87	89	750	22000	2.2	7.50E-02
TCRD019	89	91	2140	14550	1.455	0.214
TCRD019	91	95	1230	6120	0.61199999	0.123
TCRD019	95	99	2550	8280	0.82800001	0.255
TCRD019	99	102	1850	5120	0.51200002	0.185
TCRD019	102	105	850	3320	0.33199999	8.50E-02
TCRD019	105	106	3390	21400	2.1400001	0.33899999
TCRD019	106	107	1020	10150	1.015	0.102
TCRD019	107	108	1440	6380	0.63800001	0.14399999
TCRD019	108	112	640	2650	0.26499999	6.40E-02
TCRD019	112	116	400	2500	0.25	4.00E-02
TCRD019	116	118	360	3910	0.391	3.60E-02
TCRD019	118	120	710	7820	0.78200001	7.10E-02
TCRD019	120	124	270	1610	0.161	2.70E-02
TCRD019	124	126	260	1530	0.153	2.60E-02
TCRD019	126	128	220	1610	0.161	0.022
TCRD019	128	130	2290	16350	1.635	0.229
TCRD020	0	4	130	280	2.80E-02	0.013
TCRD020	4	8	180	440	0.044	1.80E-02
TCRD020	8	12	130	370	0.037	0.013
TCRD020	12	16	80	410	4.10E-02	8.00E-03
TCRD020	16	20	190	280	2.80E-02	1.90E-02

TCRD020	20	24	50	380	3.80E-02	5.00E-03
TCRD020	24	28	60	570	0.057	6.00E-03
TCRD020	28	32	210	770	0.077	0.021
TCRD020	32	36	180	810	0.081	1.80E-02
TCRD020	36	40	360	460	0.046	3.60E-02
TCRD020	40	44	620	900	9.00E-02	6.20E-02
TCRD020	44	48	250	1570	0.15700001	0.025
TCRD020	48	50	160	9360	0.93599999	1.60E-02
TCRD020	50	51	90	5790	0.579	9.00E-03
TCRD020	51	52	210	43100	4.3099999	0.021
TCRD020	52	53	1010	23000	2.3	0.101
TCRD020	53	54	680	8910	0.89099997	6.80E-02
TCRD020	54	55	280	32300	3.23	2.80E-02
TCRD020	55	57	190	2790	0.27900001	1.90E-02
TCRD020	57	59	320	1360	0.13600001	3.20E-02
TCRD020	59	60	1190	6420	0.64200002	0.119
TCRD020	60	61	1390	11250	1.125	0.139
TCRD020	61	62	1690	44200	4.4200001	0.169
TCRD020	62	63	2650	28400	2.8399999	0.26499999
TCRD020	63	64	1590	52800	5.2800002	0.15899999
TCRD020	64	65	2850	38000	3.8	0.285
TCRD020	65	66	1380	9520	0.95200002	0.138
TCRD020	66	68	480	2320	0.23199999	0.048
TCRD020	68	70	590	1750	0.175	0.059
TCRD020	70	72	560	860	8.60E-02	5.60E-02
TCRD020	72	73	1670	4270	0.42699999	0.167
TCRD020	73	77	1180	1670	0.167	0.118
TCRD020	77	80	630	1370	0.13699999	6.30E-02
TCRD020	80	82	300	1110	0.111	3.00E-02
TCRD020	82	84	250	1260	0.126	0.025
TCRD020	84	86	230	1130	0.113	0.023
TCRD020	86	90	280	1150	0.115	2.80E-02
TCRD020	90	94	190	800	8.00E-02	1.90E-02
TCRD020	94	98	110	320	3.20E-02	0.011
TCRD020	98	100	70	410	4.10E-02	7.00E-03
TCRD020	100	102	140	700	0.07	0.014
TCRD020	102	104	240	1240	0.124	0.024
TCRD020	104	108	220	1310	0.131	0.022
TCRD020	108	111	180	990	9.90E-02	1.80E-02
TCRD020	111	113	220	1070	0.107	0.022
TCRD020	113	115	270	1010	0.101	2.70E-02
TCRD020	115	117	320	3260	0.32600001	3.20E-02
TCRD020	117	120	50	150	0.015	5.00E-03
TCRD020	120	124	90	220	0.022	9.00E-03
TCRD020	124	128	70	440	0.044	7.00E-03
TCRD020	128	132	40	460	0.046	4.00E-03
TCRD020	132	136	20	50	5.00E-03	2.00E-03
TCRD020	136	140	60	210	0.021	6.00E-03
TCRD021	0	4	740	590	0.059	7.40E-02
TCRD021	4	8	290	470	4.70E-02	2.90E-02
TCRD021	8	12	420	420	4.20E-02	4.20E-02
TCRD021	12	16	1420	1270	0.127	0.142
TCRD021	16	20	100	630	6.30E-02	1.00E-02
TCRD021	20	24	400	1310	0.131	4.00E-02
TCRD021	24	28	340	1940	0.19400001	3.40E-02
TCRD021	28	32	170	2140	0.214	1.70E-02
TCRD021	32	36	190	1770	0.177	1.90E-02
TCRD021	36	40	320	1570	0.15700001	3.20E-02
TCRD021	40	44	570	1470	0.147	0.057
TCRD021	44	48	230	580	5.80E-02	0.023
TCRD021	48	52	470	220	0.022	4.70E-02
TCRD021	52	56	120	130	0.013	0.012
TCRD021	56	60	170	450	4.50E-02	1.70E-02

TCRD021	60	64	140	500	5.00E-02	0.014
TCRD021	64	68	120	870	8.70E-02	0.012
TCRD021	68	72	180	900	9.00E-02	1.80E-02
TCRD021	72	76	170	3050	0.30500001	1.70E-02
TCRD021	76	80	310	1920	0.192	3.10E-02
TCRD021	80	83	190	1420	0.142	1.90E-02
TCRD021	83	85	220	720	7.20E-02	0.022
TCRD021	85	87	360	550	0.055	3.60E-02
TCRD021	87	89	290	600	6.00E-02	2.90E-02
TCRD021	89	91	210	370	0.037	0.021
TCRD021	91	92	230	320	3.20E-02	0.023
TCRD021	92	93	400	710	7.10E-02	4.00E-02
TCRD021	93	94	750	290	2.90E-02	7.50E-02
TCRD021	94	95	3890	1030	0.103	0.389
TCRD021	95	96	3810	1180	0.118	0.38100001
TCRD021	96	97	9720	4060	0.40599999	0.972
TCRD021	97	98	5810	2300	0.23	0.58099997
TCRD021	98	99	7180	2730	0.273	0.71799999
TCRD021	99	100	6160	7570	0.75700003	0.616
TCRD021	100	101	6620	7860	0.78600001	0.662
TCRD022	1	5	360	400	4.00E-02	3.60E-02
TCRD022	5	9	310	350	0.035	3.10E-02
TCRD022	9	13	390	430	4.30E-02	3.90E-02
TCRD022	13	17	200	300	3.00E-02	0.02
TCRD022	17	21	310	240	0.024	3.10E-02
TCRD022	21	25	80	130	0.013	8.00E-03
TCRD022	25	29	60	20	2.00E-03	6.00E-03
TCRD022	29	33	80	10	0.001	8.00E-03
TCRD022	33	37	130	20	2.00E-03	0.013
TCRD022	37	41	180	10	0.001	1.80E-02
TCRD022	41	45	140	30	0.003	0.014
TCRD022	45	49	180	370	0.037	1.80E-02
TCRD022	49	53	200	560	5.60E-02	0.02
TCRD022	53	57	450	690	6.90E-02	4.50E-02
TCRD022	57	61	570	770	0.077	0.057
TCRD022	61	65	230	460	0.046	0.023
TCRD022	65	69	140	130	0.013	0.014
TCRD022	69	73	60	70	7.00E-03	6.00E-03
TCRD022	73	77	70	40	4.00E-03	7.00E-03
TCRD022	77	81	60	30	0.003	6.00E-03
TCRD022	81	85	50	40	4.00E-03	5.00E-03
TCRD022	85	89	70	50	5.00E-03	7.00E-03
TCRD022	89	93	50	60	6.00E-03	5.00E-03
TCRD022	93	96	50	60	6.00E-03	5.00E-03
TCRD023	0	4	240	3810	0.38100001	0.024
TCRD023	4	8	150	450	4.50E-02	0.015
TCRD023	8	12	10	160	1.60E-02	0.001
TCRD023	12	16	10	40	4.00E-03	0.001
TCRD023	16	20	10	40	4.00E-03	0.001
TCRD023	20	24	10	30	0.003	0.001
TCRD023	24	28	20	20	2.00E-03	2.00E-03
TCRD023	28	32	10	-10	-0.001	0.001
TCRD023	32	36	10	-10	-0.001	0.001
TCRD023	36	40	10	50	5.00E-03	0.001
TCRD023	40	44	20	-10	-0.001	2.00E-03
TCRD023	44	48	20	20	2.00E-03	2.00E-03
TCRD023	48	52	10	10	0.001	0.001
TCRD023	52	56	20	10	0.001	2.00E-03
TCRD023	56	60	10	10	0.001	0.001
TCRD023	60	64	10	20	2.00E-03	0.001
TCRD023	64	68	10	10	0.001	0.001
TCRD023	68	72	20	30	0.003	2.00E-03
TCRD023	72	76	10	20	2.00E-03	0.001

TCRD023	76	80	10	10	0.001	0.001
TCRD023	80	84	20	80	8.00E-03	2.00E-03
TCRD023	84	88	10	70	7.00E-03	0.001
TCRD023	88	92	10	60	6.00E-03	0.001
TCRD023	92	96	10	70	7.00E-03	0.001
TCRD023	96	100	10	80	8.00E-03	0.001
TCRD023	100	104	10	70	7.00E-03	0.001
TCRD023	104	108	20	50	5.00E-03	2.00E-03
TCRD023	108	112	20	50	5.00E-03	2.00E-03
TCRD023	112	116	20	60	6.00E-03	2.00E-03
TCRD023	116	120	40	50	5.00E-03	4.00E-03
TCRD023	120	124	40	50	5.00E-03	4.00E-03
TCRD023	124	128	40	50	5.00E-03	4.00E-03
TCRD023	128	132	40	60	6.00E-03	4.00E-03
TCRD023	132	136	50	80	8.00E-03	5.00E-03
TCRD023	136	140	50	80	8.00E-03	5.00E-03
TCRD024	1	5	120	450	4.50E-02	0.012
TCRD024	5	10	1160	1420	0.142	0.116
TCRD024	10	14	820	2420	0.242	8.20E-02
TCRD024	14	18	910	2400	0.23999999	9.10E-02
TCRD024	18	22	1310	1260	0.126	0.131
TCRD024	22	26	1980	1490	0.149	0.198
TCRD024	26	30	3330	1490	0.149	0.333
TCRD024	30	34	3530	1570	0.15700001	0.35299999
TCRD024	34	38	3030	1300	0.13	0.303
TCRD024	38	41	1510	1310	0.131	0.15099999
TCRD024	41	43	1020	3060	0.30599999	0.102
TCRD024	43	45	680	7600	0.75999999	6.80E-02
TCRD024	45	48	820	5040	0.50400001	8.20E-02
TCRD024	48	52	590	2140	0.214	0.059
TCRD024	52	56	590	1730	0.17299999	0.059
TCRD024	56	60	1190	1150	0.115	0.119
TCRD024	60	64	560	840	8.40E-02	5.60E-02
TCRD024	64	68	190	990	9.90E-02	1.90E-02
TCRD024	68	72	760	1290	0.12899999	7.60E-02
TCRD024	72	76	650	850	8.50E-02	6.50E-02
TCRD024	76	80	1120	620	6.20E-02	0.112
TCRD024	80	83	940	600	6.00E-02	9.40E-02
TCRD024	83	86	410	650	6.50E-02	4.10E-02
TCRD025	1	5	70	340	3.40E-02	7.00E-03
TCRD025	5	9	420	720	7.20E-02	4.20E-02
TCRD025	9	13	230	590	0.059	0.023
TCRD025	13	17	740	1410	0.141	7.40E-02
TCRD025	17	21	2560	2830	0.28299999	0.25600001
TCRD025	21	25	4580	3370	0.33700001	0.458
TCRD025	25	29	1720	2010	0.20100001	0.17200001
TCRD025	29	33	850	1580	0.15800001	8.50E-02
TCRD025	33	37	1120	2130	0.213	0.112
TCRD025	37	41	1820	1690	0.169	0.182
TCRD025	41	45	3480	2100	0.20999999	0.34799999
TCRD025	45	49	2690	2270	0.227	0.26899999
TCRD025	49	53	1600	1390	0.139	0.16
TCRD025	53	57	4840	4290	0.42899999	0.484
TCRD025	57	61	2480	2780	0.278	0.248
TCRD025	61	65	1680	2150	0.215	0.168
TCRD025	65	69	2070	2190	0.219	0.207
TCRD025	69	71	1260	4860	0.486	0.126
TCRD025	71	73	790	5060	0.50599998	7.90E-02
TCRD025	73	77	230	14500	1.45	0.023
TCRD025	77	81	380	1230	0.123	3.80E-02
TCRD025	81	83	350	780	7.80E-02	0.035
TCRD025	83	84	440	2200	0.22	0.044
TCRD025	84	85	660	8680	0.86799997	0.066

TCRD025	85	86	920	1890	0.189	0.092
TCRD025	86	87	2590	1310	0.131	0.259
TCRD025	87	88	2660	1450	0.145	0.266
TCRD025	88	89	2860	4740	0.47400001	0.28600001
TCRD025	89	90	2410	2620	0.26199999	0.241
TCRD025	90	91	2120	4980	0.498	0.212
TCRD025	91	92	1010	2720	0.27200001	0.101
TCRD025	92	93	660	750	7.50E-02	0.066
TCRD025	93	95	310	630	6.30E-02	3.10E-02
TCRD025	95	97	290	1100	0.11	2.90E-02
TCRD025	97	99	250	1460	0.146	0.025
TCRD025	99	103	280	2190	0.219	2.80E-02
TCRD025	103	106	240	1910	0.191	0.024
TCRD025	106	110	210	1110	0.111	0.021
TCRD025	110	112	190	2990	0.29899999	1.90E-02
TCRD026	1	5	150	730	7.30E-02	0.015
TCRD026	5	10	1470	1170	0.117	0.147
TCRD026	10	14	3590	1360	0.13600001	0.359
TCRD026	14	18	6650	2780	0.278	0.66500002
TCRD026	18	22	6690	3300	0.33000001	0.66900003
TCRD026	22	26	2700	2170	0.21699999	0.27000001
TCRD026	26	30	3360	2410	0.241	0.336
TCRD026	30	34	2780	2310	0.23100001	0.278
TCRD026	34	38	4880	3460	0.34599999	0.48800001
TCRD026	38	42	3320	3390	0.33899999	0.33199999
TCRD026	42	46	3890	3520	0.352	0.389
TCRD026	46	50	3410	5050	0.505	0.34099999
TCRD026	50	54	4010	6250	0.625	0.40099999
TCRD026	54	56	3650	6840	0.68400002	0.36500001
TCRD026	56	58	960	9710	0.97100002	9.60E-02
TCRD026	58	60	1360	4640	0.46399999	0.13600001
TCRD026	60	63	990	3440	0.34400001	9.90E-02
TCRD026	63	65	520	1800	0.18000001	5.20E-02
TCRD026	65	68	2290	4340	0.43399999	0.229
TCRD026	68	71	1410	2460	0.24600001	0.141
TCRD026	71	72	1330	7660	0.76599997	0.133
TCRD027	0	4	330	5180	0.51800001	0.033
TCRD027	4	8	210	2680	0.26800001	0.021
TCRD027	8	12	100	850	8.50E-02	1.00E-02
TCRD027	12	16	180	860	8.60E-02	1.80E-02
TCRD027	16	20	130	850	8.50E-02	0.013
TCRD027	20	24	780	980	9.80E-02	7.80E-02
TCRD027	24	28	470	1190	0.119	4.70E-02
TCRD027	28	32	1740	3570	0.35699999	0.17399999
TCRD027	32	36	1160	1930	0.193	0.116
TCRD027	36	40	950	1480	0.148	9.50E-02
TCRD027	40	44	1280	1340	0.134	0.12800001
TCRD027	44	48	320	1140	0.114	3.20E-02
TCRD027	48	52	1440	2690	0.26899999	0.14399999
TCRD027	52	55	450	1880	0.18799999	4.50E-02
TCRD027	55	57	940	11700	1.17	9.40E-02
TCRD027	57	59	350	4040	0.40400001	0.035
TCRD027	59	63	450	2990	0.29899999	4.50E-02
TCRD027	63	67	340	2390	0.23899999	3.40E-02
TCRD027	67	71	280	1730	0.17299999	2.80E-02
TCRD027	71	75	170	1350	0.13500001	1.70E-02
TCRD027	75	80	290	2080	0.208	2.90E-02
TCRD027	80	85	190	1750	0.175	1.90E-02
TCRD027	85	89	500	2220	0.222	5.00E-02
TCRD027	89	92	460	1510	0.15099999	0.046
TCRD027	92	95	390	1780	0.178	3.90E-02
TCRD027	95	98	420	1670	0.167	4.20E-02
TCRD027	98	100	400	1160	0.116	4.00E-02

TCRD028	0	4	70	540	5.40E-02	7.00E-03
TCRD028	4	8	90	600	6.00E-02	9.00E-03
TCRD028	8	12	90	520	5.20E-02	9.00E-03
TCRD028	12	16	110	660	0.066	0.011
TCRD028	16	20	100	750	7.50E-02	1.00E-02
TCRD028	20	24	140	740	7.40E-02	0.014
TCRD028	24	28	1020	1210	0.121	0.102
TCRD028	28	32	870	890	8.90E-02	8.70E-02
TCRD028	32	36	390	780	7.80E-02	3.90E-02
TCRD028	36	40	520	1010	0.101	5.20E-02
TCRD028	40	44	700	1560	0.156	0.07
TCRD028	44	48	170	460	0.046	1.70E-02
TCRD028	48	52	60	140	0.014	6.00E-03
TCRD028	52	56	120	380	3.80E-02	0.012
TCRD028	56	60	140	540	5.40E-02	0.014
TCRD028	60	64	550	1990	0.199	0.055
TCRD028	64	68	580	2500	0.25	5.80E-02
TCRD028	68	72	210	1490	0.149	0.021
TCRD028	72	76	240	1370	0.13699999	0.024
TCRD028	76	80	120	1140	0.114	0.012
TCRD028	80	84	140	860	8.60E-02	0.014
TCRD028	84	88	120	640	6.40E-02	0.012
TCRD028	88	92	110	540	5.40E-02	0.011
TCRD028	92	94	60	420	4.20E-02	6.00E-03
TCRD028	94	96	90	440	0.044	9.00E-03
TCRD028	96	100	420	500	5.00E-02	4.20E-02
TCRD028	100	104	260	650	6.50E-02	2.60E-02
TCRD028	104	108	230	600	6.00E-02	0.023
TCRD028	108	112	120	290	2.90E-02	0.012
TCRD028	112	116	130	390	3.90E-02	0.013
TCRD028	116	120	250	800	8.00E-02	0.025
TCRD029	0	4	200	510	5.10E-02	0.02
TCRD029	4	8	210	420	4.20E-02	0.021
TCRD029	8	12	350	780	7.80E-02	0.035
TCRD029	12	16	1410	1360	0.13600001	0.141
TCRD029	16	20	920	1340	0.134	0.092
TCRD029	20	24	1020	1750	0.175	0.102
TCRD029	24	28	2150	2240	0.22400001	0.215
TCRD029	28	32	720	1320	0.132	7.20E-02
TCRD029	32	36	810	1750	0.175	0.081
TCRD029	36	40	870	1490	0.149	8.70E-02
TCRD029	40	44	170	370	0.037	1.70E-02
TCRD029	44	48	920	900	9.00E-02	0.092
TCRD029	48	50	210	3390	0.33899999	0.021
TCRD029	50	52	170	5180	0.51800001	1.70E-02
TCRD029	52	54	170	2380	0.23800001	1.70E-02
TCRD029	54	56	130	1460	0.146	0.013
TCRD029	56	58	120	3480	0.34799999	0.012
TCRD029	58	60	140	3030	0.303	0.014
TCRD029	60	62	140	4890	0.48899999	0.014
TCRD029	62	64	120	4610	0.461	0.012
TCRD029	64	66	120	2620	0.26199999	0.012
TCRD029	66	68	130	22100	2.21	0.013
TCRD029	68	70	150	13700	1.37	0.015
TCRD029	70	74	100	13400	1.34	1.00E-02
TCRD029	74	78	130	7640	0.764	0.013
TCRD029	78	82	130	6570	0.65700001	0.013
TCRD029	82	84	190	2980	0.29800001	1.90E-02
TCRD029	84	86	270	1830	0.183	2.70E-02
TCRD029	86	88	250	2220	0.222	0.025
TCRD029	88	89	240	2590	0.259	0.024
TCRD029	89	90	240	2950	0.29499999	0.024
TCRD029	90	92	210	4860	0.486	0.021

TCRD029	92	94	270	6450	0.64499998	2.70E-02
TCRD029	94	95	230	2240	0.22400001	0.023
TCRD029	95	96	290	17800	1.78	2.90E-02
TCRD029	96	97	270	25700	2.5699999	2.70E-02
TCRD029	97	98	190	4410	0.44100001	1.90E-02
TCRD029	98	100	140	2600	0.25999999	0.014
TCRD029	100	104	310	2290	0.229	3.10E-02
TCRD029	104	106	150	2430	0.243	0.015
TCRD029	106	108	120	1730	0.17299999	0.012
TCRD029	108	110	100	1610	0.161	1.00E-02
TCRD029	110	112	110	1820	0.182	0.011
TCRD029	112	114	160	2570	0.257	1.60E-02
TCRD029	114	116	100	2290	0.229	1.00E-02
TCRD029	116	118	100	2100	0.20999999	1.00E-02
TCRD029	118	120	90	2500	0.25	9.00E-03
TCRD029	120	124	120	1580	0.15800001	0.012
TCRD030	0	4	380	720	7.20E-02	3.80E-02
TCRD030	4	8	1680	1010	0.101	0.168
TCRD030	8	12	4980	1690	0.169	0.498
TCRD030	12	16	1370	900	9.00E-02	0.13699999
TCRD030	16	20	3300	1950	0.19499999	0.33000001
TCRD030	20	24	4960	4490	0.449	0.49599999
TCRD030	24	28	11150	12150	1.215	1.115
TCRD030	28	32	41900	34700	3.47	4.1900001
TCRD030	32	36	17450	21000	2.0999999	1.745
TCRD030	36	38	9050	13250	1.325	0.90499997
TCRD030	38	40	7010	8750	0.875	0.70099998
TCRD030	40	44	9750	9090	0.90899998	0.97500002
TCRD030	44	48	13050	10950	1.095	1.3049999
TCRD030	48	50	17900	17450	1.745	1.79
TCRD030	50	52	11200	51900	5.1900001	1.12
TCRD030	52	54	6400	24600	2.46	0.63999999
TCRD030	54	56	6150	31600	3.1600001	0.61500001
TCRD030	56	58	7510	19850	1.985	0.75099999
TCRD030	58	60	2920	12850	1.285	0.292
TCRD030	60	62	3500	34000	3.4000001	0.34999999
TCRD030	62	63	4160	19800	1.98	0.41600001
TCRD030	63	64	4060	55100	5.5100002	0.40599999
TCRD031	0	4	1040	7000	0.69999999	0.104
TCRD031	4	8	800	1470	0.147	8.00E-02
TCRD031	8	12	220	380	3.80E-02	0.022
TCRD031	12	16	170	400	4.00E-02	1.70E-02
TCRD031	16	20	150	390	3.90E-02	0.015
TCRD031	20	24	170	460	0.046	1.70E-02
TCRD031	24	28	200	800	8.00E-02	0.02
TCRD031	28	32	240	1280	0.12800001	0.024
TCRD031	32	35	530	2520	0.252	5.30E-02
TCRD031	35	40	730	2840	0.28400001	7.30E-02
TCRD031	40	44	390	1890	0.189	3.90E-02
TCRD031	44	48	300	1600	0.16	3.00E-02
TCRD031	48	52	700	3050	0.30500001	0.07
TCRD031	52	58	240	1160	0.116	0.024
TCRD031	58	62	160	2870	0.287	1.60E-02
TCRD031	62	66	60	1750	0.175	6.00E-03
TCRD031	66	70	170	960	9.60E-02	1.70E-02
TCRD031	70	72	150	710	7.10E-02	0.015
TCRD031	72	76	180	290	2.90E-02	1.80E-02
TCRD031	76	80	400	630	6.30E-02	4.00E-02
TCRD031	80	82	540	960	9.60E-02	5.40E-02
TCRD031	82	86	690	1420	0.142	6.90E-02
TCRD031	86	88	690	1460	0.146	6.90E-02
TCRD032	0	4	130	350	0.035	0.013
TCRD032	4	8	50	210	0.021	5.00E-03

TCRD032	8	12	40	230	0.023	4.00E-03
TCRD032	12	16	20	150	0.015	2.00E-03
TCRD032	16	20	90	290	2.90E-02	9.00E-03
TCRD032	20	24	80	280	2.80E-02	8.00E-03
TCRD032	24	28	10	280	2.80E-02	0.001
TCRD032	28	32	10	30	0.003	0.001
TCRD032	32	36	20	20	2.00E-03	2.00E-03
TCRD032	36	40	-10	10	0.001	-0.001
TCRD032	40	44	-10	10	0.001	-0.001
TCRD032	44	48	-10	20	2.00E-03	-0.001
TCRD032	48	52	-10	10	0.001	-0.001
TCRD032	52	56	10	-10	-0.001	0.001
TCRD032	56	60	-10	-10	-0.001	-0.001
TCRD032	60	64	-10	10	0.001	-0.001
TCRD032	64	68	-10	10	0.001	-0.001
TCRD032	68	72	10	10	0.001	0.001
TCRD032	72	76	-10	10	0.001	-0.001
TCRD032	76	80	10	10	0.001	0.001
TCRD032	80	82	-10	10	0.001	-0.001
TCRD032	82	85	-10	20	2.00E-03	-0.001
TCRD032	85	90	-10	20	2.00E-03	-0.001
TCRD032	90	94	10	20	2.00E-03	0.001
TCRD032	94	98	-10	20	2.00E-03	-0.001
TCRD032	98	100	-10	40	4.00E-03	-0.001
TCRD032	100	104	-10	10	0.001	-0.001
TCRD032	104	108	10	10	0.001	0.001
TCRD032	108	112	10	10	0.001	0.001
TCRD032	112	116	10	20	2.00E-03	0.001
TCRD032	116	120	10	10	0.001	0.001
TCRD032	120	124	20	20	2.00E-03	2.00E-03
TCRD032	124	128	20	30	0.003	2.00E-03
TCRD032	128	132	20	50	5.00E-03	2.00E-03
TCRD032	132	136	30	100	1.00E-02	0.003
TCRD032	136	140	20	90	9.00E-03	2.00E-03
TCRD033	0	4	320	510	5.10E-02	3.20E-02
TCRD033	4	8	680	790	7.90E-02	6.80E-02
TCRD033	8	12	500	670	6.70E-02	5.00E-02
TCRD033	12	16	740	690	6.90E-02	7.40E-02
TCRD033	16	20	540	510	5.10E-02	5.40E-02
TCRD033	20	24	260	300	3.00E-02	2.60E-02
TCRD033	24	28	310	510	5.10E-02	3.10E-02
TCRD033	28	32	400	760	7.60E-02	4.00E-02
TCRD033	32	36	800	630	6.30E-02	8.00E-02
TCRD033	36	40	910	600	6.00E-02	9.10E-02
TCRD033	40	44	450	940	9.40E-02	4.50E-02
TCRD033	44	48	40	1190	0.119	4.00E-03
TCRD033	48	52	40	1880	0.18799999	4.00E-03
TCRD033	52	56	20	1730	0.17299999	2.00E-03
TCRD033	56	60	30	1120	0.112	0.003
TCRD033	60	64	490	1360	0.13600001	4.90E-02
TCRD033	64	68	90	40800	4.0799999	9.00E-03
TCRD033	68	72	70	18700	1.87	7.00E-03
TCRD033	72	76	100	3110	0.31099999	1.00E-02
TCRD033	76	80	290	10100	1.01	2.90E-02
TCRD033	80	84	310	11100	1.11	3.10E-02
TCRD033	84	88	400	29600	2.96	4.00E-02
TCRD033	88	92	860	20300	2.03	8.60E-02
TCRD033	92	96	290	21700	2.1700001	2.90E-02
TCRD033	96	100	1230	25400	2.54	0.123
TCRD033	100	104	4660	54400	5.4400001	0.46599999
TCRD034	3	7	720	3390	0.33899999	7.20E-02
TCRD034	7	11	220	1380	0.138	0.022
TCRD034	11	15	760	1480	0.148	7.60E-02

TCRD034	15	19	860	800	8.00E-02	8.60E-02
TCRD034	19	23	3250	2140	0.214	0.32499999
TCRD034	23	27	4690	3210	0.32100001	0.46900001
TCRD034	27	31	2550	2210	0.221	0.255
TCRD034	31	35	21700	24500	2.45	2.1700001
TCRD034	35	39	15400	14450	1.4450001	1.54
TCRD034	39	43	7910	7690	0.76899999	0.79100001
TCRD034	43	45	2150	3030	0.303	0.215
TCRD034	45	47	1790	5310	0.53100002	0.17900001
TCRD034	47	49	1270	9290	0.92900002	0.127
TCRD034	49	51	1380	6600	0.66000003	0.138
TCRD034	51	53	510	7070	0.70700002	5.10E-02
TCRD034	53	54	800	19500	1.95	8.00E-02
TCRD034	54	55	1030	9060	0.90600002	0.103
TCRD034	55	56	950	15150	1.515	9.50E-02
TCRD034	56	57	650	14700	1.47	6.50E-02
TCRD034	57	58	660	6830	0.68300003	0.066
TCRD034	58	59	1420	10400	1.04	0.142
TCRD034	59	60	980	16700	1.67	9.80E-02
TCRD034	60	62	1500	41500	4.1500001	0.15000001
TCRD034	62	64	1880	9790	0.97899997	0.18799999
TCRD034	64	66	1730	12200	1.22	0.17299999
TCRD034	66	68	4100	34800	3.48	0.41
TCRD034	68	69	3360	55000	5.5	0.336
TCRD034	69	70	1680	65500	6.5500002	0.168
TCRD034	70	71	1280	31700	3.1700001	0.12800001
TCRD034	71	72	1330	141500	14.15	0.133
TCRD034	72	73	1520	156000	15.6	0.152
TCRD034	73	74	880	69200	6.9200001	0.088
TCRD034	74	76	1000	37100	3.71	0.1
TCRD034	76	78	790	18600	1.86	7.90E-02
TCRD034	78	80	1120	11250	1.125	0.112
TCRD034	80	82	2530	23200	2.3199999	0.25299999
TCRD034	82	84	4660	37800	3.78	0.46599999
TCRD034	84	86	1930	27100	2.71	0.193
TCRD034	86	87	2110	29200	2.9200001	0.211
TCRD035	0	4	1170	2140	0.214	0.117
TCRD035	4	8	930	2170	0.21699999	9.30E-02
TCRD035	8	12	1170	2880	0.28799999	0.117
TCRD035	12	16	2250	9080	0.90799999	0.22499999
TCRD035	16	20	1140	4970	0.49700001	0.114
TCRD035	20	24	2500	8300	0.82999998	0.25
TCRD035	24	28	12700	12200	1.22	1.27
TCRD035	28	32	4180	5610	0.56099999	0.41800001
TCRD035	32	34	1800	6300	0.63	0.18000001
TCRD035	34	36	1420	11300	1.13	0.142
TCRD035	36	38	780	14200	1.42	7.80E-02
TCRD035	38	39	920	19800	1.98	0.092
TCRD035	39	40	1050	23000	2.3	0.105
TCRD035	40	42	550	12300	1.23	0.055
TCRD035	42	44	610	6880	0.68800002	6.10E-02
TCRD035	44	46	1450	19300	1.9299999	0.145
TCRD035	46	48	470	10300	1.03	4.70E-02
TCRD035	48	51	540	3420	0.34200001	5.40E-02
TCRD035	51	53	730	2740	0.27399999	7.30E-02
TCRD035	53	55	490	1510	0.15099999	4.90E-02
TCRD035	55	57	760	6950	0.69499999	7.60E-02
TCRD035	57	58	730	11900	1.1900001	7.30E-02
TCRD035	58	59	600	8490	0.84899998	6.00E-02
TCRD035	59	60	910	17700	1.77	9.10E-02
TCRD035	60	62	1280	6800	0.68000001	0.12800001
TCRD035	62	64	2910	6800	0.68000001	0.29100001
TCRD035	64	66	3000	6090	0.60900003	0.30000001

TCRD035	66	70	3350	2860	0.28600001	0.33500001
TCRD035	70	74	1770	1360	0.13600001	0.177
TCRD035	74	78	980	1490	0.149	9.80E-02
TCRD035	78	82	970	2050	0.205	9.70E-02
TCRD035	82	86	400	1090	0.109	4.00E-02
TCRD035	86	90	1400	2080	0.208	0.14
TCRD035	90	94	2470	5010	0.50099999	0.24699999
TCRD035	94	98	980	1960	0.19599999	9.80E-02
TCRD035	98	104	1660	2350	0.235	0.16599999
TCRD036	0	4	1400	1660	0.16599999	0.14
TCRD036	4	8	1290	1960	0.19599999	0.12899999
TCRD036	8	12	1010	2170	0.21699999	0.101
TCRD036	12	16	400	1420	0.142	4.00E-02
TCRD036	16	20	620	2110	0.211	6.20E-02
TCRD036	20	24	1950	8410	0.84100002	0.19499999
TCRD036	24	26	1360	35100	3.51	0.13600001
TCRD036	26	28	5430	89000	8.8999996	0.54299998
TCRD036	28	30	3450	26900	2.6900001	0.345
TCRD036	30	32	4100	21000	2.0999999	0.41
TCRD036	32	36	1980	4600	0.46000001	0.198
TCRD036	36	40	5260	8170	0.81699997	0.52600002
TCRD036	40	44	2150	4190	0.419	0.215
TCRD036	44	48	1740	2200	0.22	0.17399999
TCRD036	48	52	570	1350	0.13500001	0.057
TCRD036	52	56	440	1390	0.139	0.044
TCRD036	56	60	470	1070	0.107	4.70E-02
TCRD036	60	64	740	2370	0.237	7.40E-02
TCRD036	64	67	710	4100	0.41	7.10E-02
TCRD036	67	70	1240	3210	0.32100001	0.124
TCRD037	0	5				
TCRD037	5	9				
TCRD037	9	13				
TCRD037	13	17				
TCRD037	17	21				
TCRD037	21	25	320	1130	0.113	3.20E-02
TCRD037	25	29	3730	3800	0.38	0.373
TCRD037	29	32	3190	2320	0.23199999	0.31900001
TCRD037	32	36	1300	1620	0.162	0.13
TCRD037	36	40	1370	1740	0.17399999	0.13699999
TCRD037	40	44	550	1130	0.113	0.055
TCRD037	44	48	550	1690	0.169	0.055
TCRD037	48	52	340	1370	0.13699999	3.40E-02
TCRD037	52	56	260	1040	0.104	2.60E-02
TCRD037	56	60	430	1160	0.116	4.30E-02
TCRD037	60	64	240	770	0.077	0.024
TCRD037	64	68	80	310	3.10E-02	8.00E-03
TCRD037	68	72	250	1770	0.177	0.025
TCRD037	72	76	480	3560	0.35600001	0.048
TCRD037	76	78	230	1930	0.193	0.023
TCRD037	78	80	240	2140	0.214	0.024
TCRD037	80	84	120	1340	0.134	0.012
TCRD037	84	88	200	2090	0.20900001	0.02
TCRD037	88	92	130	1080	0.108	0.013
TCRD037	92	96	280	1540	0.154	2.80E-02
TCRD037	96	100	230	2100	0.20999999	0.023
TCRD037	100	104	1260	4240	0.42399999	0.126
TCRD038	0	4	740	1000	0.1	7.40E-02
TCRD038	4	8	250	790	7.90E-02	0.025
TCRD038	8	12	190	810	0.081	1.90E-02
TCRD038	12	16	130	790	7.90E-02	0.013
TCRD038	16	20	240	1480	0.148	0.024
TCRD038	20	24	150	1110	0.111	0.015
TCRD038	24	28	170	980	9.80E-02	1.70E-02

TCRD038	28	32	120	1120	0.112	0.012
TCRD038	32	36	130	1290	0.12899999	0.013
TCRD038	36	40	140	1020	0.102	0.014
TCRD038	40	44	170	1030	0.103	1.70E-02
TCRD038	44	48	140	1090	0.109	0.014
TCRD038	48	52	120	1400	0.14	0.012
TCRD038	52	56	120	1560	0.156	0.012
TCRD038	56	60	1180	2640	0.264	0.118
TCRD038	60	64	1070	8300	0.82999998	0.107
TCRD038	64	68	110	2590	0.259	0.011
TCRD038	68	72	80	1550	0.155	8.00E-03
TCRD038	72	76	40	360	3.60E-02	4.00E-03
TCRD038	76	80	60	160	1.60E-02	6.00E-03
TCRD038	80	84	150	450	4.50E-02	0.015
TCRD038	84	87	110	280	2.80E-02	0.011
TCRD038	87	90	220	650	6.50E-02	0.022
TCRD038	90	92	280	830	8.30E-02	2.80E-02
TCRD038	92	94	250	650	6.50E-02	0.025
TCRD038	94	98	290	840	8.40E-02	2.90E-02
TCRD038	98	102	320	830	8.30E-02	3.20E-02
TCRD038	102	106	130	310	3.10E-02	0.013
TCRD038	106	110	920	840	8.40E-02	0.092
TCRD038	110	113	1520	1120	0.112	0.152
TCRD038	113	116	3270	3020	0.30199999	0.32699999
TCRD038	116	117	2380	9180	0.91799998	0.23800001
TCRD038	117	120	1750	7520	0.75199997	0.175
TCRD038	120	124	410	1270	0.127	4.10E-02
TCRD038	124	128	150	380	3.80E-02	0.015
TCRD038	128	132	180	340	3.40E-02	1.80E-02
TCRD038	132	135	220	470	4.70E-02	0.022
TCRD038	135	137	2150	5580	0.55800003	0.215
TCRD038	137	139	2090	5480	0.54799998	0.20900001
TCRD038	139	140	1220	6560	0.65600002	0.122
TCRD039	0	4	210	770	0.077	0.021
TCRD039	4	8	1220	1390	0.139	0.122
TCRD039	8	12	1350	1140	0.114	0.13500001
TCRD039	12	16	5120	2940	0.294	0.51200002
TCRD039	16	20	1770	1420	0.142	0.177
TCRD039	20	24	2910	1970	0.197	0.29100001
TCRD039	24	28	6280	6530	0.653	0.62800002
TCRD039	28	32	3530	2520	0.252	0.35299999
TCRD039	32	36	3260	1850	0.185	0.32600001
TCRD039	36	40	6790	6320	0.63200003	0.67900002
TCRD039	40	42	2690	6750	0.67500001	0.26899999
TCRD039	42	44	2740	5810	0.58099997	0.27399999
TCRD039	44	48	4230	5330	0.53299999	0.42300001
TCRD039	48	52	1470	2080	0.208	0.147
TCRD039	52	56	2280	1560	0.156	0.228
TCRD039	56	60	1000	1650	0.16500001	0.1
TCRD039	60	64	880	5790	0.579	0.088
TCRD039	64	68	780	10450	1.045	7.80E-02
TCRD039	68	72	1130	1340	0.134	0.113
TCRD040	0	1	847	4441	0.44409999	8.47E-02
TCRD040	1	2	366	2356	0.23559999	3.66E-02
TCRD040	2	3	297	1801	0.18009999	0.0297
TCRD040	3	4	539	2075	0.2075	0.0539
TCRD040	4	5	1711	3636	0.36359999	0.17110001
TCRD040	5	6	384	2074	0.20739999	3.84E-02
TCRD040	6	7	833	2159	0.2159	8.33E-02
TCRD040	7	8	842	2773	0.2773	8.42E-02
TCRD040	8	9	777	2578	0.25780001	7.77E-02
TCRD040	9	10	407	2686	0.26859999	0.0407
TCRD040	10	11	226	1749	0.1749	2.26E-02

TCRD040	11	12	239	2177	0.2177	0.0239
TCRD040	12	13	232	2223	0.22229999	0.0232
TCRD040	13	14	212	1150	0.115	2.12E-02
TCRD040	14	15	343	2213	0.22130001	3.43E-02
TCRD040	15	16	243	1613	0.1613	0.0243
TCRD040	16	17	200	1561	0.1561	0.02
TCRD040	17	18	268	1653	0.1653	2.68E-02
TCRD040	18	19	271	1776	0.1776	2.71E-02
TCRD040	19	20	270	1791	0.17910001	2.70E-02
TCRD040	20	21	306	1890	0.189	0.0306
TCRD040	21	22	286	1932	0.19320001	0.0286
TCRD040	22	23	317	2787	0.27869999	0.0317
TCRD040	23	24	746	8635	0.8635	7.46E-02
TCRD040	24	25	685	6108	0.61080003	6.85E-02
TCRD040	25	26	737	3816	0.38159999	7.37E-02
TCRD040	26	27	632	2677	0.26769999	6.32E-02
TCRD040	27	28	766	3144	0.31439999	0.0766
TCRD040	28	29	2270	7092	0.70920002	0.227
TCRD040	29	30	1633	7440	0.74400002	0.16329999
TCRD040	30	31	638	4292	0.42919999	0.0638
TCRD040	31	32	1041	7887	0.78869998	0.1041
TCRD040	32	33	476	3725	0.3725	4.76E-02
TCRD040	33	34	436	2220	0.222	0.0436
TCRD040	34	35	338	1922	0.19220001	3.38E-02
TCRD040	35	36	454	2607	0.26069999	4.54E-02
TCRD040	36	37	920	3753	0.37529999	0.092
TCRD040	37	38	556	2360	0.236	5.56E-02
TCRD040	38	39	2082	4880	0.48800001	0.20819999
TCRD040	39	40	3955	6862	0.68620002	0.3955
TCRD040	40	41	2400	4640	0.46399999	0.23999999
TCRD040	41	42	1577	2390	0.23899999	0.1577
TCRD040	42	43	846	1822	0.1822	8.46E-02
TCRD040	43	44	1595	2793	0.2793	0.1595
TCRD040	44	45	1517	2237	0.2237	0.1517
TCRD040	45	46	553	884	8.84E-02	5.53E-02
TCRD040	46	47	328	460	0.046	0.0328
TCRD040	47	48	330	543	5.43E-02	0.033
TCRD040	48	49	367	683	6.83E-02	3.67E-02
TCRD040	49	50	569	953	9.53E-02	5.69E-02
TCRD040	50	51	334	494	4.94E-02	3.34E-02
TCRD040	51	52	378	729	7.29E-02	3.78E-02
TCRD040	52	53	192	410	4.10E-02	1.92E-02
TCRD040	53	54	918	1502	0.15019999	9.18E-02
TCRD040	54	55	317	490	4.90E-02	0.0317
TCRD040	55	56	324	454	4.54E-02	3.24E-02
TCRD040	56	57	815	1546	0.15459999	8.15E-02
TCRD040	57	58	402	864	8.64E-02	4.02E-02
TCRD040	58	59	177	473	0.0473	0.0177
TCRD040	59	60	511	1660	0.16599999	5.11E-02
TCRD040	60	61	710	2353	0.2353	7.10E-02
TCRD040	61	62	1060	1889	0.18889999	0.106
TCRD040	62	63	1469	3102	0.31020001	0.1469
TCRD040	63	64	731	2035	0.2035	7.31E-02
TCRD040	64	65	444	1866	0.1866	4.44E-02
TCRD040	65	66	2104	2863	0.2863	0.2104
TCRD040	66	67	1236	2547	0.25470001	0.1236
TCRD040	67	68	681	1571	0.15710001	6.81E-02
TCRD040	68	69	536	1550	0.155	5.36E-02
TCRD040	69	70	2191	2784	0.2784	0.2191
TCRD040	70	71	1347	1741	0.1741	0.1347
TCRD040	71	72	858	1194	0.1194	0.0858
TCRD040	72	73	1558	2972	0.29719999	0.1558
TCRD040	73	74	2154	3517	0.35170001	0.2154

TCRD040	74	75	1109	2192	0.2192	0.1109
TCRD040	75	76	1145	2333	0.2333	0.1145
TCRD040	76	77	2050	4169	0.41690001	0.205
TCRD040	77	78	1442	2685	0.2685	0.1442
TCRD040	78	79	862	1965	0.1965	8.62E-02
TCRD040	79	80	913	2127	0.21269999	9.13E-02
TCRD040	80	81	734	1978	0.1978	7.34E-02
TCRD040	81	82	1374	2176	0.2176	0.1374
TCRD040	82	83	1351	2638	0.2638	0.13510001
TCRD040	83	84	508	1922	0.19220001	5.08E-02
TCRD040	84	85	988	2158	0.2158	9.88E-02
TCRD040	85	86	1789	3005	0.30050001	0.1789
TCRD040	86	87	975	2032	0.2032	9.75E-02
TCRD040	87	88	1047	2722	0.27219999	0.1047
TCRD040	88	89	1060	2356	0.23559999	0.106
TCRD040	89	90	2097	3757	0.3757	0.2097
TCRD041	0	1	2932	24037	2.4037001	0.29319999
TCRD041	1	2	2862	24024	2.4024	0.28619999
TCRD041	2	3	743	4589	0.4589	7.43E-02
TCRD041	3	4	525	4553	0.4553	5.25E-02
TCRD041	4	5	492	6418	0.64179999	4.92E-02
TCRD041	5	6	569	9417	0.94169998	5.69E-02
TCRD041	6	7	768	6039	0.60390002	7.68E-02
TCRD041	7	8	1141	8655	0.86549997	0.1141
TCRD041	8	9	1337	5486	0.54860002	0.1337
TCRD041	9	10	1618	2824	0.28240001	0.1618
TCRD041	10	11	296	1350	0.13500001	0.0296
TCRD041	11	12	266	1470	0.147	0.0266
TCRD041	12	13	365	1660	0.16599999	3.65E-02
TCRD041	13	14	445	1397	0.1397	4.45E-02
TCRD041	14	15	934	2340	0.234	9.34E-02
TCRD041	15	16	890	2590	0.259	8.90E-02
TCRD041	16	17	586	2324	0.2324	5.86E-02
TCRD041	17	18	204	1346	0.1346	2.04E-02
TCRD041	18	19	261	2879	0.2879	0.0261
TCRD041	19	20	334	3329	0.33289999	3.34E-02
TCRD041	20	21	425	4048	0.4048	0.0425
TCRD041	21	22	489	7527	0.75269997	4.89E-02
TCRD041	22	23	798	9954	0.99540001	7.98E-02
TCRD041	23	24	679	16779	1.6779	6.79E-02
TCRD041	24	25	1222	17732	1.7732	0.1222
TCRD041	25	26	1854	14456	1.4456	0.18539999
TCRD041	26	27	1541	15633	1.5633	0.1541
TCRD041	27	28	772	1394	0.13940001	7.72E-02
TCRD041	28	29	936	982	9.82E-02	9.36E-02
TCRD041	29	30	881	4753	0.47530001	8.81E-02
TCRD041	30	31	745	601	0.0601	7.45E-02
TCRD041	31	32	1914	918	9.18E-02	0.19140001
TCRD041	32	33	1908	1087	0.1087	0.1908
TCRD041	33	34	730	1718	0.1718	7.30E-02
TCRD041	34	35	379	820	8.20E-02	3.79E-02
TCRD041	35	36	229	355	3.55E-02	0.0229
TCRD041	36	37	257	294	0.0294	2.57E-02
TCRD041	37	38	485	1662	0.1662	4.85E-02
TCRD041	38	39	237	130	0.013	2.37E-02
TCRD041	39	40	376	378	3.78E-02	3.76E-02
TCRD041	40	41	722	458	0.0458	0.0722
TCRD041	41	42	846	620	6.20E-02	8.46E-02
TCRD041	42	43	1475	1167	0.1167	0.14749999
TCRD041	43	44	1191	882	8.82E-02	0.1191
TCRD041	44	45	583	261	0.0261	0.0583
TCRD041	45	46	921	445	4.45E-02	9.21E-02
TCRD041	46	47	964	386	3.86E-02	0.0964

TCRD041	47	48	1771	711	7.11E-02	0.1771
TCRD041	48	49	1720	786	7.86E-02	0.17200001
TCRD041	49	50	1629	779	0.0779	0.1629
TCRD041	50	51	1477	856	8.56E-02	0.1477
TCRD041	51	52	1170	695	6.95E-02	0.117
TCRD041	52	53	1220	603	0.0603	0.122
TCRD041	53	54	632	315	3.15E-02	6.32E-02
TCRD041	54	55	782	854	0.0854	7.82E-02
TCRD041	55	56	336	176	0.0176	3.36E-02
TCRD041	56	57	313	194	1.94E-02	3.13E-02
TCRD041	57	58	210	567	5.67E-02	0.021
TCRD041	58	59	321	285	0.0285	3.21E-02
TCRD041	59	60	416	272	0.0272	
TCRD041	59	60	417	271	2.71E-02	4.17E-02
TCRD041	60	61	342	258	2.58E-02	3.42E-02
TCRD041	61	62	319	1845	0.18449999	0.0319
TCRD041	62	63	290	1464	0.1464	2.90E-02
TCRD041	63	64	385	1208	0.1208	0.0385
TCRD041	64	65	694	377	3.77E-02	6.94E-02
TCRD041	68	69	2068	845	0.0845	0.2068
TCRD041	69	70	785	1726	0.1726	7.85E-02
TCRD041	70	71	282	612	0.0612	2.82E-02
TCRD041	71	72	476	1470	0.147	4.76E-02
TCRD041	72	73	338	1718	0.1718	3.38E-02
TCRD041	73	74	507	3124	0.31240001	5.07E-02
TCRD041	74	75	484	1839	0.1839	0.0484
TCRD041	75	76	290	1000	0.1	2.90E-02
TCRD041	76	77	210	900	9.00E-02	0.021
TCRD041	77	78	260	1200	0.12	2.60E-02
TCRD041	78	79	250	500	5.00E-02	0.025
TCRD041	79	80	420	1800	0.18000001	4.20E-02
TCRD041	80	81	490	2000	0.2	4.90E-02
TCRD041	81	82	1140	2900	0.28999999	0.114
TCRD041	82	83	560	900	9.00E-02	5.60E-02
TCRD041	83	84	670	1800	0.18000001	6.70E-02
TCRD041	84	85	550	2300	0.23	0.055
TCRD041	85	86	860	1800	0.18000001	8.60E-02
TCRD041	86	87	960	3400	0.34	9.60E-02
TCRD041	87	88	1300	2800	0.28	0.13
TCRD041	88	89	700	3400	0.34	0.07
TCRD041	89	90	530	2700	0.27000001	5.30E-02
TCRD041	90	91	640	1900	0.19	6.40E-02
TCRD041	91	92	630	1900	0.19	6.30E-02
TCRD041	92	93	610	1600	0.16	6.10E-02
TCRD042	0	1	300	1600	0.16	3.00E-02
TCRD042	1	2	290	1700	0.17	2.90E-02
TCRD042	2	3	100	1500	0.15000001	1.00E-02
TCRD042	3	4	240	1300	0.13	0.024
TCRD042	4	5	200	1900	0.19	0.02
TCRD042	5	6	190	1600	0.16	1.90E-02
TCRD042	6	7	190	1000	0.1	1.90E-02
TCRD042	7	8	120	1300	0.13	0.012
TCRD042	8	9	170	1700	0.17	1.70E-02
TCRD042	9	10	280	2700	0.27000001	2.80E-02
TCRD042	10	11	180	1800	0.18000001	1.80E-02
TCRD042	11	12	110	9500	0.94999999	0.011
TCRD042	12	13	110	47700	4.77	0.011
TCRD042	13	14	260	56100	5.6100001	2.60E-02
TCRD042	14	15	360	85400	8.54	3.60E-02
TCRD042	15	16	120	40700	4.0700002	0.012
TCRD042	16	17	200	85800	8.5799999	0.02
TCRD042	17	18	140	94200	9.4200001	0.014
TCRD042	18	19	140	52700	5.27	0.014

TCRD042	19	20	80	35800	3.5799999	8.00E-03
TCRD042	20	21	170	79200	7.9200001	1.70E-02
TCRD042	21	22	460	81500	8.1499996	0.046
TCRD042	22	23	1240	136000	13.6	0.124
TCRD042	23	24	1950	104300	10.43	0.19499999
TCRD042	24	25	1520	97800	9.7799997	0.152
TCRD042	25	26	1960	75900	7.5900002	0.19599999
TCRD042	26	27	860	91300	9.1300001	8.60E-02
TCRD042	27	28	900	90000	9	9.00E-02
TCRD042	28	29	6970	129100	12.91	0.69700003
TCRD042	29	30	6670	115400	11.54	0.667
TCRD042	30	31	8440	97400	9.7399998	0.84399998
TCRD042	31	32	10030	82300	8.2299995	1.003
TCRD042	32	33	14130	85700	8.5699997	1.413
TCRD042	33	34	11780	67800	6.7800002	1.178
TCRD042	34	35	10630	63300	6.3299999	1.063
TCRD042	35	36	8160	61700	6.1700001	0.81599998
TCRD042	36	37	10280	65800	6.5799999	1.028
TCRD042	37	38	4330	76200	7.6199999	0.433
TCRD042	38	39	6460	73000	7.3000002	0.64600003
TCRD042	39	40	12260	82100	8.21	1.226
TCRD042	40	41	6780	65000	6.5	0.67799997
TCRD042	41	42	340	45800	4.5799999	3.40E-02
TCRD042	42	43	320	97900	9.79	3.20E-02
TCRD042	43	44	4360	43300	4.3299999	0.43599999
TCRD042	44	45	3230	146000	14.6	0.32300001
TCRD042	45	46	1280	107400	10.74	0.12800001
TCRD042	46	47	890	41400	4.1399999	8.90E-02
TCRD042	47	48	850	15400	1.54	8.50E-02
TCRD042	48	49	10410	132300	13.23	1.041
TCRD042	49	50	9230	62300	6.23	0.92299998
TCRD042	50	51	8140	136600	13.66	0.81400001
TCRD042	51	52	10460	126200	12.62	1.046
TCRD042	52	53	16550	164300	16.43	1.655
TCRD042	53	54	4960	194700	19.469999	0.49599999
TCRD042	54	55	1630	214700	21.469999	0.163
TCRD042	55	56	1170	107700	10.77	0.117
TCRD042	56	57	5400	150100	15.01	0.54000002
TCRD042	57	58	6280	83700	8.3699999	0.62800002
TCRD042	58	59	7980	76500	7.6500001	0.79799998
TCRD042	59	60	7520	153700	15.37	0.75199997
TCRD042	60	61	7670	191200	19.120001	0.76700002
TCRD042	61	62	6080	316600	31.66	0.60799998
TCRD042	62	63	5980	324800	32.48	0.59799999
TCRD042	63	64	4480	131300	13.13	0.44800001
TCRD042	64	65	8820	258000	25.799999	0.88200003
TCRD042	65	66	1250	110400	11.04	0.125
TCRD042	66	67	4760	238600	23.860001	0.47600001
TCRD042	67	68	3580	102500	10.25	0.35800001
TCRD042	68	69	3510	103600	10.36	0.35100001
TCRD042	69	70	2870	78300	7.8299999	0.287
TCRD042	70	71	2610	52500	5.25	0.26100001
TCRD042	71	72	3100	110700	11.07	0.31
TCRD042	72	73	15870	192300	19.23	1.587
TCRD042	73	74	21990	159200	15.92	2.1989999
TCRD042	74	75	8530	90200	9.0200005	0.85299999
TCRD042	75	76	4870	93900	9.3900003	0.48699999
TCRD042	76	77	10970	202600	20.26	1.097
TCRD042	77	78	3630	94200	9.4200001	0.36300001
TCRD042	78	79	2550	66300	6.6300001	0.255
TCRD042	79	80	3840	37300	3.73	0.384
TCRD042	80	81	11930	162800	16.280001	1.193
TCRD042	81	82	9430	141800	14.18	0.94300002

TCRD042	82	83	18100	134600	13.46	1.8099999
TCRD042	83	84	17980	179200	17.92	1.798
TCRD042	84	85	12560	164900	16.49	1.256
TCRD042	85	86	10670	80500	8.0500002	1.067
TCRD042	86	87	3260	120700	12.07	0.32600001
TCRD042	87	88	3910	40600	4.0599999	0.391
TCRD042	88	89	2080	27600	2.76	0.208
TCRD042	89	90	2640	37100	3.71	0.264
TCRD042	90	91	4220	40700	4.0700002	0.42199999
TCRD042	91	92	7350	177900	17.790001	0.73500001
TCRD042	92	93	3290	35400	3.54	0.329
TCRD042	93	94	7490	167300	16.73	0.74900001
TCRD042	94	95	10040	173500	17.35	
TCRD042	95	96	5290	33300	3.3299999	
TCRD042	96	97	4870	25000	2.5	
TCRD042	97	98	3550	39200	3.9200001	
TCRD042	98	99	4790	70600	7.0599999	
TCRD042	99	100	4640	108700	10.87	
TCRD042	100	101	14300	282100	28.209999	
TCRD042	101	102	12270	227700	22.77	
TCRD042	102	103	5660	113900	11.39	
TCRD042	103	104	2210	67300	6.73	
TCRD043	4	5	1900	3600	0.36000001	0.19
TCRD043	0	1	2280	12000	1.2	0.228
TCRD043	1	2	1280	4400	0.44	0.12800001
TCRD043	2	3	1760	3000	0.30000001	0.176
TCRD043	3	4	1830	2100	0.20999999	0.183
TCRD043	5	6	1580	2800	0.28	0.15800001
TCRD043	6	7	1230	3900	0.38999999	0.123
TCRD043	7	8	1180	2800	0.28	0.118
TCRD043	8	9	1030	2200	0.22	0.103
TCRD043	9	10	1420	1700	0.17	0.142
TCRD043	10	11	1130	1900	0.19	0.113
TCRD043	11	12	890	1900	0.19	8.90E-02
TCRD043	12	13	1190	2100	0.20999999	0.119
TCRD043	13	14	1330	1800	0.18000001	0.133
TCRD043	14	15	850	1700	0.17	8.50E-02
TCRD043	15	16	140	1000	0.1	0.014
TCRD043	16	17	180	1000	0.1	1.80E-02
TCRD043	17	18	340	1200	0.12	3.40E-02
TCRD043	18	19	270	800	8.00E-02	2.70E-02
TCRD043	19	20	360	1100	0.11	3.60E-02
TCRD043	20	21	410	1600	0.16	4.10E-02
TCRD043	21	22	270	1000	0.1	2.70E-02
TCRD043	22	23	160	900	9.00E-02	1.60E-02
TCRD043	23	24	520	900	9.00E-02	5.20E-02
TCRD043	24	25	510	1000	0.1	5.10E-02
TCRD043	25	26	500	1200	0.12	5.00E-02
TCRD043	26	27	380	1200	0.12	3.80E-02
TCRD043	27	28	390	1000	0.1	3.90E-02
TCRD043	28	29	660	56500	5.6500001	0.066
TCRD043	29	30	570	226100	22.610001	0.057
TCRD043	30	31	1380	73500	7.3499999	0.138
TCRD043	31	32	3820	48800	4.8800001	0.382
TCRD043	32	33	1880	74200	7.4200001	0.18799999
TCRD043	33	34	2140	23100	2.3099999	0.214
TCRD043	34	35	3600	51700	5.1700001	0.36000001
TCRD043	35	36	3470	47700	4.77	0.347
TCRD043	36	37	1950	8800	0.88	0.19499999
TCRD043	37	38	1790	12100	1.21	0.17900001
TCRD043	38	39	2490	4900	0.49000001	0.249
TCRD043	39	40	1670	16800	1.6799999	0.167
TCRD043	40	41	1290	7261	0.72610003	0.12899999

TCRD043	41	42	2214	6748	0.67479998	0.22139999
TCRD043	42	43	2287	22831	2.2830999	0.2287
TCRD043	43	44	1227	14600	1.46	0.1227
TCRD043	44	45	1593	12526	1.2526	0.1593
TCRD043	45	46	865	4533	0.4533	8.65E-02
TCRD043	46	47	909	4477	0.44769999	9.09E-02
TCRD043	47	48	979	40203	4.0202999	9.79E-02
TCRD043	48	49	1156	77423	7.7423	0.1156
TCRD043	49	50	1592	34118	3.4117999	0.1592
TCRD043	50	51	1671	19682	1.9682	0.1671
TCRD043	51	52	1607	18934	1.8934	0.16069999
TCRD043	52	53	1512	6573	0.6573	0.1512
TCRD043	53	54	1623	7395	0.73949999	0.16230001
TCRD043	54	55	1691	4597	0.45969999	0.1691
TCRD043	55	56	1675	10593	1.0592999	0.1675
TCRD043	56	57	1263	84801	8.4800997	0.12630001
TCRD043	57	58	651	24502	2.4502001	6.51E-02
TCRD043	58	59	519	22937	2.2937	5.19E-02
TCRD043	59	60	309	20791	2.0790999	0.0309
TCRD043	60	61	415	35247	3.5246999	4.15E-02
TCRD043	61	62	1065	17407	1.7407	0.1065
TCRD043	62	63	1730	23563	2.3563001	0.17299999
TCRD043	63	64	1784	5657	0.56569999	0.17839999
TCRD043	64	65	1048	6804	0.68040001	0.1048
TCRD044	0	1	299	41216	4.1216002	2.99E-02
TCRD044	1	2	255	43643	4.3642998	0.0255
TCRD044	2	3	337	36168	3.6168001	0.0337
TCRD044	3	4	362	16498	1.6497999	3.62E-02
TCRD044	4	5	215	8171	0.81709999	2.15E-02
TCRD044	5	6	194	5432	0.54320002	1.94E-02
TCRD044	6	7	202	4102	0.4102	2.02E-02
TCRD044	7	8	229	3229	0.3229	0.0229
TCRD044	8	9	273	2797	0.27970001	0.0273
TCRD044	9	10	203	2541	0.25409999	2.03E-02
TCRD044	10	11	126	2357	0.2357	0.0126
TCRD044	11	12	104	12429	1.2429	0.0104
TCRD044	12	13	75	2368	0.2368	7.50E-03
TCRD044	13	14	131	2608	0.2608	0.0131
TCRD044	14	15	159	2273	0.2273	1.59E-02
TCRD044	15	16	258	13217	1.3217	2.58E-02
TCRD044	16	17	458	4394	0.43939999	0.0458
TCRD044	17	18	686	48904	4.8903999	6.86E-02
TCRD044	18	19	1003	50431	5.0430999	0.1003
TCRD044	19	20	938	58846	5.8846002	9.38E-02
TCRD044	20	21	912	38757	3.8757	9.12E-02
TCRD044	21	22	457	17764	1.7764	4.57E-02
TCRD044	22	23	257	12698	1.2697999	2.57E-02
TCRD044	23	24	124	18558	1.8558	0.0124
TCRD044	24	25	177	32453	3.2453001	0.0177
TCRD044	25	26	45	2003	0.20029999	4.50E-03
TCRD044	26	27	68	4533	0.4533	6.80E-03
TCRD044	27	28	454	26231	2.6231	4.54E-02
TCRD044	28	29	1222	97886	9.7886	0.1222
TCRD044	29	30	456	127100	12.71	4.56E-02
TCRD044	30	31	378	39229	3.9229	3.78E-02
TCRD044	31	32	1785	50657	5.0657001	0.1785
TCRD044	32	33	743	118500	11.85	7.43E-02
TCRD044	33	34	112	30220	3.0220001	0.0112
TCRD044	34	35	34	3509	0.35089999	0.0034
TCRD044	35	36	103	8792	0.87919998	0.0103
TCRD044	36	37	430	32575	3.2574999	4.30E-02
TCRD044	37	38	1264	33891	3.3891001	0.12639999
TCRD044	38	39	301	38900	3.8900001	3.01E-02

TCRD044	39	40	319	24487	2.4487	0.0319
TCRD044	40	41	83	5436	0.54360002	8.30E-03
TCRD044	41	42	77	1641	0.16410001	0.0077
TCRD044	42	43	212	85547	8.5546999	2.12E-02
TCRD044	43	44	240	39535	3.9535	0.024
TCRD044	44	45	455	77281	7.7280998	4.55E-02
TCRD044	45	46	436	60403	6.0402999	0.0436
TCRD044	46	47	191	2102	0.2102	1.91E-02
TCRD044	47	48	129	2487	0.24869999	0.0129
TCRD044	48	49	116	1361	0.13609999	0.0116
TCRD044	49	50	88	1349	0.1349	0.0088
TCRD044	50	51	183	1389	0.1389	1.83E-02
TCRD044	51	52	100	1150	0.115	1.00E-02
TCRD044	52	53	225	2013	0.2013	2.25E-02
TCRD044	53	54	109	1193	0.1193	0.0109
TCRD044	54	55	165	1248	0.1248	0.0165
TCRD044	55	56	157	1191	0.1191	1.57E-02
TCRD044	56	57	136	1502	0.15019999	0.0136
TCRD044	57	58	146	1525	0.1525	0.0146
TCRD044	58	59	132	1256	0.1256	0.0132
TCRD044	59	60	89	1069	0.1069	8.90E-03
TCRD044	60	61	92	1101	0.1101	9.20E-03
TCRD044	61	62	102	1110	0.111	0.0102
TCRD044	62	63	581	1599	0.15989999	0.0581
TCRD044	63	64	291	1814	0.1814	2.91E-02
TCRD044	64	65	125	1665	0.1665	0.0125
TCRD044	65	66	111	1263	0.12630001	0.0111
TCRD044	66	67	96	1154	0.1154	9.60E-03
TCRD044	67	68	220	1734	0.1734	0.022
TCRD044	68	69	140	1297	0.12970001	0.014
TCRD044	69	70	157	1390	0.139	1.57E-02
TCRD044	70	71	200	1649	0.1649	0.02
TCRD044	71	72	146	1315	0.13150001	0.0146
TCRD044	72	73	89	847	8.47E-02	8.90E-03
TCRD044	73	74	47	538	5.38E-02	4.70E-03
TCRD044	74	75	103	1018	0.1018	0.0103
TCRD044	75	76	85	1429	0.1429	8.50E-03
TCRD044	76	77	91	1107	0.1107	9.10E-03
TCRD044	77	78	76	861	8.61E-02	7.60E-03
TCRD044	78	79	103	868	8.68E-02	0.0103
TCRD044	79	80	122	939	9.39E-02	0.0122
TCRD044	80	81	256	982	9.82E-02	2.56E-02
TCRD044	81	82	218	1131	0.1131	0.0218
TCRD044	82	83	197	40311	4.0310998	0.0197
TCRD044	83	84	154	98771	9.8771	0.0154
TCRD044	84	85	143	86461	8.6461	0.0143
TCRD044	85	86	125	47065	4.7065001	0.0125
TCRD044	86	87	105	79205	7.9204998	0.0105
TCRD044	87	88	106	119400	11.94	0.0106
TCRD044	88	89	132	47630	4.763	0.0132
TCRD044	89	90	112	60689	6.0689001	0.0112
TCRD044	90	91	131	67654	6.7653999	0.0131
TCRD044	91	92	198	60650	6.0650001	0.0198
TCRD044	92	93	231	79400	7.9400001	0.0231
TCRD044	93	94	182	60978	6.0977998	1.82E-02
TCRD044	94	95	205	20087	2.0086999	2.05E-02
TCRD044	95	96	371	103700	10.37	3.71E-02
TCRD044	96	97	285	100900	10.09	0.0285
TCRD044	97	98	804	82349	8.2349005	8.04E-02
TCRD044	98	99	173	18391	1.8391	0.0173
TCRD044	99	100	139	17375	1.7375	0.0139
TCRD044	100	101	249	50269	5.0268998	2.49E-02
TCRD044	101	102	161	53240	5.3239999	1.61E-02

TCRD044	102	103	196	52563	5.2563	0.0196
TCRD044	103	104	111	19535	1.9535	0.0111
TCRD044	104	105	113	10558	1.0558	0.0113
TCRD044	105	106	314	33304	3.3304	3.14E-02
TCRD044	106	107	133	14050	1.405	0.0133
TCRD044	107	108	160	10567	1.0567	1.60E-02
TCRD044	108	109	566	25645	2.5645001	5.66E-02
TCRD044	109	110	930	19308	1.9308	9.30E-02
TCRD044	110	111	1252	18140	1.814	0.1252
TCRD044	111	112	523	11789	1.1789	5.23E-02
TCRD044	112	113	259	11576	1.1576	2.59E-02
TCRD044	113	114	870	16608	1.6608	8.70E-02
TCRD044	114	115	2841	19769	1.9769	0.2841
TCRD044	115	116	4349	20475	2.0474999	0.43489999
TCRD044	116	117	982	22085	2.2084999	9.82E-02
TCRD045	0	1	1977	873	8.73E-02	0.19769999
TCRD045	1	2	707	660	0.066	7.07E-02
TCRD045	2	3	1293	724	7.24E-02	0.1293
TCRD045	3	4	1001	530	5.30E-02	0.1001
TCRD045	4	5	987	842	8.42E-02	9.87E-02
TCRD045	5	6	847	587	5.87E-02	8.47E-02
TCRD045	6	7	7277	9458	0.94580001	0.7277
TCRD045	7	8	15302	21633	2.1633	1.5302
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TCRD045	9	10	20640	29591	2.9591	2.0639999
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TCRD045	11	12	17432	47779	4.7779002	1.7431999
TCRD045	13	14	6352	65551	6.5551	0.63520002
TCRD045	14	15	8750	43351	4.3351002	0.875
TCRD045	15	16	7916	88087	8.8086996	
TCRD045	15	16	3297	117400	11.74	0.32969999
TCRD045	16	17	16198	172300	17.23	1.6198
TCRD045	17	18	11140	132700	13.27	1.114
TCRD045	18	19	14641	68270	6.8270001	1.4641
TCRD045	19	20	17113	70688	7.0688	1.7113
TCRD045	20	21	11020	71869	7.1869001	1.102
TCRD045	21	22	19838	72859	7.2859001	1.9838001
TCRD045	22	23	62541	92423	9.2423	6.2540998
TCRD045	23	24	46245	72906	7.2905998	4.6244998
TCRD045	24	25	54577	89890	8.9890003	5.4576998
TCRD045	25	26	20773	117100	11.71	2.0773001
TCRD045	26	27	9315	96265	9.6265001	0.93150002
TCRD045	27	28	12774	110600	11.06	1.2774
TCRD045	28	29	32387	87375	8.7375002	3.2386999
TCRD045	29	30	32092	117200	11.72	3.2091999
TCRD045	30	31	14227	114500	11.45	1.4227
TCRD045	31	32	11671	119700	11.97	1.1671
TCRD045	32	33	17112	207100	20.709999	1.7112
TCRD045	33	34	14006	79969	7.9969001	1.4006
TCRD045	34	35	12881	62901	6.2901001	1.2881
TCRD045	35	36	7789	190900	19.09	0.77890003
TCRD045	36	37	2009	213000	21.299999	0.2009
TCRD045	37	38	3888	53835	5.3835001	0.3888
TCRD045	38	39	3064	80675	8.0675001	0.3064
TCRD045	39	40	4192	228900	22.889999	0.4192
TCRD045	40	41	15076	199100	19.91	1.5075999
TCRD045	41	42	5174	113600	11.36	0.51740003
TCRD045	42	43	3440	288800	28.879999	0.34400001
TCRD045	43	44	3849	305100	30.51	0.3849
TCRD045	44	45	4699	257900	25.790001	0.46990001
TCRD045	45	46	2920	87360	8.7360001	0.292
TCRD045	46	47	4088	165600	16.559999	0.40880001
TCRD045	47	48	2217	33010	3.3010001	0.2217

TCRD045	48	49	2721	41307	4.1307001	0.2721
TCRD045	49	50	2049	3316	0.33160001	0.2049
TCRD045	50	51	2027	17302	1.7302001	0.2027
TCRD045	51	52	1898	21972	2.1972001	0.18979999
TCRD045	52	53	7835	133100	13.31	0.78350002
TCRD045	53	54	6672	80062	8.0061998	0.66720003
TCRD045	54	55	4511	99515	9.9514999	0.45109999
TCRD045	55	56	3842	63137	6.3137002	0.38420001
TCRD045	56	57	2606	67485	6.7484999	0.2606
TCRD045	57	58	9160	73829	7.3829002	0.91600001
TCRD045	58	59	9544	78042	7.8042002	0.9544
TCRD045	59	60	5307	101000	10.1	0.53070003
TCRD046	1	2	793	79820	7.9819999	7.93E-02
TCRD046	2	3	279	85684	8.5684004	2.79E-02
TCRD046	3	4	1110	88943	8.8943005	0.111
TCRD046	4	5	263	82578	8.2578001	0.0263
TCRD046	5	6	767	97650	9.7650003	7.67E-02
TCRD046	6	7	421	98565	9.8564997	4.21E-02
TCRD046	7	8	596	77525	7.7525001	5.96E-02
TCRD046	8	9	1629	155200	15.52	0.1629
TCRD046	9	10	1256	121000	12.1	0.1256
TCRD046	10	11	349	47108	4.7108002	3.49E-02
TCRD046	11	12	337	39991	3.9991	0.0337
TCRD046	12	13	224	82074	8.2074003	2.24E-02
TCRD046	13	14	224	37865	3.7865	2.24E-02
TCRD046	14	15	469	87860	8.7860003	0.0469
TCRD046	15	16	1865	66156	6.6156001	0.1865
TCRD046	18	19	9371	85596	8.5595999	0.93709999
TCRD046	19	20	9749	87770	8.7770004	0.97490001
TCRD046	20	21	9016	81334	8.1334	0.9016
TCRD046	21	22	7883	89939	8.9939003	0.78829998
TCRD046	22	23	5846	103700	10.37	0.58459997
TCRD046	23	24	4818	99554	9.9554005	0.48179999
TCRD046	24	25	4837	102100	10.21	0.48370001
TCRD046	25	26	5099	96843	9.6843004	0.50989997
TCRD046	26	27	3867	169600	16.959999	0.3867
TCRD046	27	28	1296	65824	6.5823998	0.1296
TCRD046	28	29	1348	49580	4.9580002	0.1348
TCRD046	29	30	1509	59711	5.9710999	0.15090001
TCRD046	30	31	2082	52152	5.2151999	0.20819999
TCRD046	31	32	824	11115	1.1115	8.24E-02
TCRD046	32	33	461	3080	0.308	4.61E-02
TCRD046	33	34	350	2730	0.273	0.035
TCRD046	34	35	552	10606	1.0606	5.52E-02
TCRD046	35	36	835	21130	2.1129999	8.35E-02
TCRD046	36	37	2543	22120	2.2119999	0.2543
TCRD046	37	38	1126	10647	1.0647	0.1126
TCRD046	38	39	675	12132	1.2132	6.75E-02
TCRD046	39	40	1532	9381	0.93809998	0.1532
TCRD046	40	41	1067	13918	1.3918	0.1067
TCRD046	41	42	1395	12524	1.2524	0.13950001
TCRD046	42	43	1112	11225	1.1224999	0.1112
TCRD046	43	44	879	6500	0.64999998	8.79E-02
TCRD046	44	45	1877	70160	7.0159998	0.1877
TCRD046	45	46	11265	20440	2.0439999	1.1265
TCRD046	46	47	10995	19536	1.9536	1.0994999
TCRD046	47	48	12971	53936	5.3936	1.2970999
TCRD046	48	49	4079	64922	6.4921999	0.40790001
TCRD046	49	50	5257	30389	3.0388999	0.52569997
TCRD046	50	51	3195	32917	3.2916999	0.3195
TCRD046	51	52	4092	52140	5.2140002	0.40920001
TCRD046	52	53	9286	51743	5.1743002	0.92860001
TCRD046	53	54	3710	65116	6.5116	0.37099999

TCRD046	54	55	6173	24353	2.4353001	0.61729997
TCRD046	55	56	2327	76913	7.6912999	0.23270001
TCRD046	56	57	3962	130000	13	0.3962
TCRD046	57	58	2586	79496	7.9496002	0.2586
TCRD046	58	59	2247	90546	9.0545998	0.2247
TCRD046	59	60	2567	116400	11.64	0.25670001
TCRD046	60	61	2309	72487	7.2487001	0.2309
TCRD046	61	62	12158	64898	6.4898	1.2158
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TCRD046	63	64	1778	43764	4.3764	0.1778
TCRD046	64	65	2608	109000	10.9	0.2608
TCRD046	65	66	2830	106000	10.6	0.28299999
TCRD046	66	67	2112	88514	8.8514004	0.2112
TCRD046	67	68	1698	91730	9.1730003	0.1698
TCRD046	68	69	3097	120400	12.04	0.30970001
TCRD046	69	70	1128	50077	5.0077	0.1128
TCRD046	70	71	1487	58915	5.8915	0.1487
TCRD046	71	72	1286	46504	4.6504002	0.1286
TCRD046	72	73	1647	64828	6.4828	0.1647
TCRD046	73	74	1274	88105	8.8105001	0.1274
TCRD046	74	75	1699	120500	12.05	0.1699
TCRD046	75	76	2134	75907	7.5907001	0.21340001
TCRD046	76	77	1251	35031	3.5030999	0.1251
TCRD046	77	78	1556	48030	4.803	0.1556
TCRD046	78	79	3833	81116	8.1115999	0.38330001
TCRD046	79	80	4000	132200	13.22	0.40000001
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TCRD046	81	82	1833	109200	10.92	0.1833
TCRD046	82	83	2907	145800	14.58	0.29069999
TCRD046	83	84	4169	113100	11.31	0.41690001
TCRD046	84	85	6419	24094	2.4094	0.6419
TCRD046	85	86	3649	170200	17.02	0.36489999
TCRD046	86	87	3069	123800	12.38	0.30689999
TCRD046	87	88	1797	77588	7.7588	0.1797
TCRD046	88	89	1463	54486	5.4485998	0.1463
TCRD046	89	90	3694	190800	19.08	0.36939999
TCRD046	90	91	3580	124900	12.49	0.35800001
TCRD046	91	92	3599	112900	11.29	0.3599
TCRD046	95	96	1497	28990	2.8989999	0.1497
TCRD046	96	97	1039	22173	2.2172999	0.1039
TCRD046	97	98	666	29469	2.9468999	6.66E-02
TCRD046	98	99	704	50413	5.0412998	0.0704
TCRD046	99	100	858	26957	2.6956999	0.0858
TCRC151	0	4	142	60	6.00E-03	0.0142
TCRC151	4	8	94	20	2.00E-03	9.40E-03
TCRC151	8	12	85	-10	-0.001	8.50E-03
TCRC151	12	16	99	30	0.003	9.90E-03
TCRC151	16	20	142	40	4.00E-03	0.0142
TCRC151	20	24	72	-10	-0.001	7.20E-03
TCRC151	24	28	92	-10	-0.001	9.20E-03
TCRC151	28	32	45	20	2.00E-03	4.50E-03
TCRC151	32	36	54	-10	-0.001	5.40E-03
TCRC151	36	40	32	-10	-0.001	3.20E-03
TCRC151	40	44	62	-10	-0.001	6.20E-03
TCRC151	44	48	105	-10	-0.001	0.0105
TCRC151	48	52	41	-10	-0.001	0.0041
TCRC151	52	56	6	-10	-0.001	6.00E-04
TCRC151	56	60	83	-10	-0.001	8.30E-03
TCRC151	60	64	19	20	2.00E-03	0.0019
TCRC151	64	68	12	-10	-0.001	1.20E-03
TCRC151	68	72	-1	-10	-0.001	-1.00E-04
TCRC151	72	76	20	20	2.00E-03	2.00E-03
TCRC151	76	80	10	-10	-0.001	0.001

TCRC151	80	84	16	-10	-0.001	0.0016
TCRC151	84	88	21	10	0.001	2.10E-03
TCRC151	88	92	11	-10	-0.001	0.0011
TCRC151	92	96	31	60	6.00E-03	3.10E-03
TCRC151	96	100	51	30	0.003	5.10E-03
TCRC151	100	104	37	-10	-0.001	0.0037
TCRC151	104	108	20	40	4.00E-03	2.00E-03
TCRC151	108	112	23	-10	-0.001	2.30E-03
TCRC151	112	116	23	-10	-0.001	2.30E-03
TCRC151	116	120	7	20	2.00E-03	7.00E-04
TCRC151	120	124	-1	10	0.001	-1.00E-04
TCRC151	124	128	31	-10	-0.001	3.10E-03
TCRC151	128	132	-1	-10	-0.001	-1.00E-04
TCRC151	132	136	-1	-10	-0.001	-1.00E-04
TCRC151	136	140	13	-10	-0.001	0.0013
TCRC151	140	144	-1	-10	-0.001	-1.00E-04
TCRC151	144	147	1	-10	-0.001	1.00E-04
TCRC151	147	150	11	-10	-0.001	0.0011
TCRC152	0	4	198	120	0.012	0.0198
TCRC152	4	8	26	270	2.70E-02	0.0026
TCRC152	8	12	117	470	4.70E-02	0.0117
TCRC152	12	16	39	660	0.066	3.90E-03
TCRC152	16	20	36	740	7.40E-02	3.60E-03
TCRC152	20	24	10	460	0.046	0.001
TCRC152	24	28	13	290	2.90E-02	0.0013
TCRC152	28	32	18	140	0.014	0.0018
TCRC152	32	36	24	140	0.014	2.40E-03
TCRC152	36	40	17	310	3.10E-02	0.0017
TCRC152	40	44	68	230	0.023	6.80E-03
TCRC152	44	48	111	510	5.10E-02	0.0111
TCRC152	48	52	131	260	2.60E-02	0.0131
TCRC152	52	56	174	190	1.90E-02	0.0174
TCRC152	56	60	108	100	1.00E-02	0.0108
TCRC152	60	64	59	50	5.00E-03	5.90E-03
TCRC152	64	68	97	50	5.00E-03	9.70E-03
TCRC152	68	72	106	80	8.00E-03	0.0106
TCRC152	72	76	75	110	0.011	7.50E-03
TCRC152	76	80	97	390	3.90E-02	9.70E-03
TCRC152	80	84	79	720	7.20E-02	7.90E-03
TCRC152	84	88	59	880	0.088	5.90E-03
TCRC152	88	92	123	1290	0.12899999	0.0123
TCRC152	92	96	55	1130	0.113	0.0055
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TCRC152	100	104	43	2270	0.227	4.30E-03
TCRC152	104	108	85	2320	0.23199999	8.50E-03
TCRC152	108	112	116	2050	0.205	0.0116
TCRC152	112	116	133	1470	0.147	0.0133
TCRC152	116	120	96	1150	0.115	9.60E-03
TCRC152	120	124	87	1140	0.114	8.70E-03
TCRC152	124	128	103	1300	0.13	0.0103
TCRC152	128	132	111	2000	0.2	0.0111
TCRC152	132	136	88	1510	0.15099999	0.0088
TCRC152	136	140	122	1930	0.193	0.0122
TCRC152	140	144	133	1590	0.15899999	0.0133
TCRC152	144	147	96	1140	0.114	9.60E-03
TCRC152	147	150	90	2240	0.22400001	9.00E-03
TCRC153	0	4	43	2500	0.25	4.30E-03
TCRC153	4	8	43	480	0.048	4.30E-03
TCRC153	8	12	45	500	5.00E-02	4.50E-03
TCRC153	12	16	55	550	0.055	0.0055
TCRC153	16	20	191	540	5.40E-02	1.91E-02
TCRC153	20	24	165	550	0.055	0.0165
TCRC153	24	28	215	510	5.10E-02	2.15E-02

TCRC153	28	32	299	860	8.60E-02	2.99E-02
TCRC153	32	36	239	1080	0.108	0.0239
TCRC153	36	40	480	1000	0.1	0.048
TCRC153	40	44	800	2140	0.214	8.00E-02
TCRC153	44	48	418	1310	0.131	0.0418
TCRC153	48	52	373	2000	0.2	3.73E-02
TCRC153	52	56	582	1770	0.177	5.82E-02
TCRC153	56	60	876	2550	0.255	0.0876
TCRC153	60	64	1820	3550	0.35499999	0.182
TCRC153	64	68	1500	3600	0.36000001	0.15000001
TCRC153	68	72	1410	4750	0.47499999	0.141
TCRC153	72	76	410	620	6.20E-02	4.10E-02
TCRC153	76	80	791	1350	0.13500001	7.91E-02
TCRC153	80	84	364	680	6.80E-02	3.64E-02
TCRC153	84	88	349	720	7.20E-02	3.49E-02
TCRC153	88	92	325	610	6.10E-02	3.25E-02
TCRC153	92	96	561	1000	0.1	0.0561
TCRC153	96	100	383	880	0.088	0.0383
TCRC153	100	104	430	890	8.90E-02	4.30E-02
TCRC153	104	108	493	880	0.088	0.0493
TCRC153	108	112	713	490	4.90E-02	0.0713
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TCRC153	116	120	398	1340	0.134	3.98E-02
TCRC154	0	4	101	620	6.20E-02	0.0101
TCRC154	4	8	102	730	7.30E-02	0.0102
TCRC154	8	12	516	1130	0.113	5.16E-02
TCRC154	12	16	1410	1380	0.138	0.141
TCRC154	16	20	1150	1480	0.148	0.115
TCRC154	20	24	946	1800	0.18000001	9.46E-02
TCRC154	24	28	508	1680	0.168	5.08E-02
TCRC154	28	32	1030	2790	0.27900001	0.103
TCRC154	32	36	3640	4720	0.472	0.36399999
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TCRC154	40	44	6380	6620	0.662	0.63800001
TCRC154	44	48	3200	4030	0.403	0.31999999
TCRC154	48	52	2260	3190	0.31900001	0.226
TCRC154	52	56	1590	3010	0.301	0.15899999
TCRC154	56	60	952	2810	0.28099999	9.52E-02
TCRC154	60	64	2320	5270	0.52700001	0.23199999
TCRC154	64	68	805	3420	0.34200001	8.05E-02
TCRC154	68	72	2110	4370	0.43700001	0.211
TCRC154	72	76	1040	2960	0.296	0.104
TCRC154	76	80	768	2940	0.294	7.68E-02
TCRC155	0	4	286	230	0.023	0.0286
TCRC155	4	8	153	130	0.013	0.0153
TCRC155	8	12	103	180	1.80E-02	0.0103
TCRC155	12	16	122	260	2.60E-02	0.0122
TCRC155	16	20	74	140	0.014	0.0074
TCRC155	20	24	94	110	0.011	9.40E-03
TCRC155	24	28	172	410	4.10E-02	1.72E-02
TCRC155	28	32	169	460	0.046	1.69E-02
TCRC155	32	36	120	600	6.00E-02	0.012
TCRC155	36	40	137	650	6.50E-02	0.0137
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TCRC155	44	48	201	1270	0.127	2.01E-02
TCRC155	48	52	171	1230	0.123	1.71E-02
TCRC155	52	56	134	990	9.90E-02	0.0134
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TCRC155	64	68	703	830	8.30E-02	7.03E-02
TCRC155	68	72	593	700	0.07	5.93E-02
TCRC155	72	76	933	970	9.70E-02	0.0933
TCRC155	76	80	560	690	6.90E-02	5.60E-02

TCRC155	80	84	576	1020	0.102	5.76E-02
TCRC155	84	88	243	530	5.30E-02	0.0243
TCRC155	88	92	552	980	9.80E-02	5.52E-02
TCRC155	92	96	1040	1020	0.102	0.104
TCRC155	96	100	331	920	0.092	3.31E-02
TCRC155	100	104	526	1130	0.113	0.0526
TCRC155	104	108	765	8240	0.824	7.65E-02
TCRC155	108	112	330	6740	0.67400002	0.033
TCRC156	0	4	47	2130	0.213	4.70E-03
TCRC156	4	8	6	590	0.059	6.00E-04
TCRC156	8	12	-1	720	7.20E-02	-1.00E-04
TCRC156	12	16	-1	120	0.012	-1.00E-04
TCRC156	16	20	113	890	8.90E-02	0.0113
TCRC156	20	24	358	700	0.07	3.58E-02
TCRC156	24	28	480	820	8.20E-02	0.048
TCRC156	28	32	569	1030	0.103	5.69E-02
TCRC156	32	36	509	390	3.90E-02	5.09E-02
TCRC156	36	40	523	370	0.037	5.23E-02
TCRC156	40	44	440	200	0.02	0.044
TCRC156	44	48	385	60	6.00E-03	0.0385
TCRC156	48	52	267	20	2.00E-03	2.67E-02
TCRC156	52	56	276	20	2.00E-03	0.0276
TCRC156	56	60	297	10	0.001	0.0297
TCRC156	60	64	358	20	2.00E-03	3.58E-02
TCRC156	64	68	376	90	9.00E-03	3.76E-02
TCRC156	68	72	515	320	3.20E-02	0.0515
TCRC156	72	76	430	1680	0.168	4.30E-02
TCRC156	76	80	336	800	8.00E-02	3.36E-02
TCRC156	80	84	394	580	5.80E-02	0.0394
TCRC156	84	88	203	130	0.013	2.03E-02
TCRC156	88	92	83	120	0.012	8.30E-03
TCRC156	92	96	49	40	4.00E-03	4.90E-03
TCRC156	96	100	54	40	4.00E-03	5.40E-03
TCRC156	100	104	64	70	7.00E-03	6.40E-03
TCRC156	104	108	80	50	5.00E-03	8.00E-03
TCRC156	108	112	65	30	0.003	6.50E-03
TCRC156	112	116	44	60	6.00E-03	0.0044
TCRC156	116	120	76	150	0.015	7.60E-03
TCRC156	120	124	98	120	0.012	9.80E-03
TCRC156	124	128	151	480	0.048	0.0151
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TCRC156	132	136	177	270	2.70E-02	0.0177
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TCRC156	140	144	176	220	0.022	0.0176
TCRC156	144	147	180	210	0.021	1.80E-02
TCRC156	147	150	208	190	1.90E-02	0.0208
TCRC157	0	4	787	610	6.10E-02	7.87E-02
TCRC157	4	8	3480	900	9.00E-02	0.34799999
TCRC157	8	9	16500	3440	0.34400001	1.65
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TCRC157	12	13	410	38700	3.8699999	4.10E-02
TCRC157	13	14	5230	72500	7.25	0.523
TCRC157	14	15	630	6310	0.63099998	6.30E-02
TCRC157	15	16	713	3540	0.354	0.0713
TCRC157	16	17	180	5980	0.59799999	1.80E-02
TCRC157	17	18	355	5930	0.59299999	3.55E-02
TCRC157	18	19	525	56600	5.6599998	5.25E-02
TCRC157	19	20	778	11100	1.11	7.78E-02
TCRC157	20	21	560	1560	0.156	5.60E-02
TCRC157	21	22	790	31300	3.1300001	7.90E-02
TCRC157	22	23	137	2180	0.21799999	0.0137

TCRC157	23	24	105	1220	0.122	0.0105
TCRC157	24	25	123	2680	0.26800001	0.0123
TCRC157	25	26	234	9110	0.91100001	2.34E-02
TCRC157	26	27	374	15900	1.59	0.0374
TCRC157	27	28	176	31000	3.0999999	0.0176
TCRC157	28	29	173	61200	6.1199999	0.0173
TCRC157	29	30	169	47800	4.7800002	1.69E-02
TCRC157	30	31	182	85000	8.5	1.82E-02
TCRC157	31	32	220	37800	3.78	0.022
TCRC157	32	33	106	52000	5.1999998	0.0106
TCRC157	33	34	108	74900	7.4899998	0.0108
TCRC157	34	35	87	128000	12.8	8.70E-03
TCRC157	35	36	47	44300	4.4299998	4.70E-03
TCRC157	36	37	137	53500	5.3499999	0.0137
TCRC157	37	38	82	100000	10	0.0082
TCRC157	38	39	70	74800	7.48	7.00E-03
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TCRC157	42	43	176	74900	7.4899998	0.0176
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TCRC157	45	46	397	76100	7.6100001	3.97E-02
TCRC157	46	47	115	91900	9.1899996	0.0115
TCRC157	47	48	36	38200	3.8199999	3.60E-03
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TCRC157	52	53	721	47000	4.6999998	7.21E-02
TCRC157	53	54	635	64500	6.4499998	6.35E-02
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TCRC157	55	56	817	40700	4.0700002	8.17E-02
TCRC157	56	57	81	59700	5.9699998	8.10E-03
TCRC157	57	58	75	79100	7.9099998	7.50E-03
TCRC157	58	59	71	64700	6.4699998	0.0071
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TCRC157	61	62	67	85700	8.5699997	6.70E-03
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TCRC157	63	64	157	25200	2.52	1.57E-02
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TCRC157	65	66	392	78000	7.8000002	0.0392
TCRC157	66	67	230	93200	9.3199997	0.023
TCRC157	67	68	2060	69100	6.9099998	0.206
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TCRC157	69	70	211	15500	1.55	0.0211
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TCRC157	71	72	968	24400	2.4400001	9.68E-02
TCRC157	72	73	862	21800	2.1800001	8.62E-02
TCRC157	73	74	243	4030	0.403	0.0243
TCRC157	74	75	398	21800	2.1800001	3.98E-02
TCRC157	75	76	496	8230	0.82300001	4.96E-02
TCRC157	76	77	782	10700	1.0700001	7.82E-02
TCRC157	77	78	309	9270	0.92699999	0.0309
TCRC157	78	79	954	3450	0.345	9.54E-02
TCRC157	79	80	636	7670	0.76700002	6.36E-02
TCRC157	80	81	822	19300	1.9299999	8.22E-02
TCRC157	81	82	2170	44000	4.4000001	0.21699999
TCRC157	82	83	240	14000	1.4	0.024
TCRC157	83	84	6280	82400	8.2399998	0.62800002
TCRC157	84	85	2860	51800	5.1799998	0.28600001
TCRC157	85	86	882	71900	7.1900001	8.82E-02

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TCRC157	89	90	215	12900	1.29	2.15E-02
TCRC157	90	91	260	53900	5.3899999	2.60E-02
TCRC157	91	92	596	52000	5.1999998	5.96E-02
TCRC157	92	93	1180	46700	4.6700001	0.118
TCRC157	93	94	416	81600	8.1599998	0.0416
TCRC157	94	95	553	64800	6.48	5.53E-02
TCRC157	95	96	536	92800	9.2799997	5.36E-02
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TCRC157	97	98	546	62700	6.27	0.0546
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TCRC157	100	101	847	33200	3.3199999	8.47E-02
TCRC157	101	102	395	12800	1.28	3.95E-02
TCRC157	102	103	415	6730	0.67299998	4.15E-02
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TCRC157	109	110	213	10600	1.0599999	2.13E-02
TCRC157	110	111	357	23000	2.3	3.57E-02
TCRC157	111	112	336	20300	2.03	3.36E-02
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TCRC157	113	114	584	32900	3.29	5.84E-02
TCRC157	114	115	392	34900	3.49	0.0392
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TCRC157	116	117	1160	27600	2.76	0.116
TCRC157	117	118	1940	10700	1.0700001	0.19400001
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TCRC157	119	120	980	12400	1.24	9.80E-02
TCRC157	120	121	481	19100	1.91	4.81E-02
TCRC157	121	122	403	15800	1.58	0.0403
TCRC157	122	123	595	24000	2.4000001	5.95E-02
TCRC157	123	124	622	32100	3.21	6.22E-02
TCRC157	124	125	352	19700	1.97	0.0352
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TCRC157	126	127	344	58100	5.8099999	3.44E-02
TCRC157	127	128	4290	125000	12.5	0.42899999
TCRC157	128	129	505	64000	6.4000001	5.05E-02
TCRC157	129	130	649	38500	3.8499999	6.49E-02
TCRC157	130	131	481	37400	3.74	4.81E-02
TCRC157	131	132	343	14400	1.4400001	3.43E-02
TCRC157	132	133	1070	64500	6.4499998	0.107
TCRC157	133	134	2310	20000	2	0.23100001
TCRC157	134	135	722	9760	0.97600001	0.0722
TCRC157	135	136	735	16100	1.61	0.0735
TCRC157	136	137	670	22100	2.21	6.70E-02
TCRC157	137	138	2200	15800	1.58	0.22
TCRC157	138	139	1240	45500	4.5500002	0.124
TCRC157	139	140	1260	38300	3.8299999	0.126
TCRC157	140	141	789	36900	3.6900001	7.89E-02
TCRC157	141	142	616	40500	4.0500002	0.0616
TCRC157	142	143	708	24400	2.4400001	7.08E-02
TCRC157	143	144	649	31000	3.0999999	6.49E-02
TCRC157	144	145	931	26900	2.6900001	9.31E-02
TCRC157	145	146	558	21400	2.1400001	5.58E-02
TCRC157	146	147	800	30000	3	8.00E-02
TCRC157	147	148	976	34500	3.45	9.76E-02
TCRC157	148	149	724	30900	3.0899999	7.24E-02

TCRC157	149	150	473	24900	2.49	0.0473
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TCRC158	4	8	135	180	1.80E-02	0.0135
TCRC158	8	12	24	20	2.00E-03	2.40E-03
TCRC158	12	16	20	-10	-0.001	2.00E-03
TCRC158	16	20	26	-10	-0.001	0.0026
TCRC158	20	24	23	-10	-0.001	2.30E-03
TCRC158	24	28	20	-10	-0.001	2.00E-03
TCRC158	28	32	21	-10	-0.001	2.10E-03
TCRC158	32	36	23	-10	-0.001	2.30E-03
TCRC158	36	40	31	-10	-0.001	3.10E-03
TCRC158	40	44	30	-10	-0.001	0.003
TCRC158	44	48	59	-10	-0.001	5.90E-03
TCRC158	48	52	136	150	0.015	0.0136
TCRC158	52	56	192	40	4.00E-03	1.92E-02
TCRC158	56	60	175	20	2.00E-03	0.0175
TCRC158	60	64	183	20	2.00E-03	1.83E-02
TCRC158	64	68	97	10	0.001	9.70E-03
TCRC158	68	72	61	-10	-0.001	6.10E-03
TCRC158	72	76	76	-10	-0.001	7.60E-03
TCRC158	76	80	157	10	0.001	1.57E-02
TCRC158	80	84	53	-10	-0.001	5.30E-03
TCRC158	84	88	84	30	0.003	8.40E-03
TCRC158	88	92	106	60	6.00E-03	0.0106
TCRC158	92	96	183	130	0.013	1.83E-02
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TCRC158	100	104	191	20	2.00E-03	1.91E-02
TCRC158	104	108	270	50	5.00E-03	2.70E-02
TCRC158	108	112	227	70	7.00E-03	2.27E-02
TCRC158	112	116	186	50	5.00E-03	0.0186
TCRC158	116	120	164	20	2.00E-03	0.0164
TCRC158	120	124	243	30	0.003	0.0243
TCRC158	124	128	312	40	4.00E-03	3.12E-02
TCRC158	128	132	356	50	5.00E-03	3.56E-02
TCRC158	132	136	306	70	7.00E-03	0.0306
TCRC158	136	140	299	40	4.00E-03	2.99E-02
TCRC158	140	144	303	80	8.00E-03	3.03E-02
TCRC158	144	147	316	80	8.00E-03	3.16E-02
TCRC158	147	150	304	80	8.00E-03	3.04E-02
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TCRC159	37	41	684	1460	0.146	6.84E-02
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TCRC159	69	73	1220	2120	0.212	0.122
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TCRC159	77	81	4320	4430	0.44299999	0.43200001
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TCRC163	33	37	1840	2780	0.278	0.184
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TCRC164	8	12	257	710	7.10E-02	2.57E-02
TCRC164	12	16	479	880	0.088	4.79E-02
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TCRC164	36	40	394	1680	0.168	0.0394
TCRC164	40	44	1180	2840	0.28400001	0.118
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TCRC164	48	52	673	1760	0.176	6.73E-02
TCRC164	52	56	144	2450	0.245	0.0144
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TCRC164	68	72	79	150	0.015	7.90E-03
TCRC164	72	76	157	440	0.044	1.57E-02
TCRC164	76	80	208	380	3.80E-02	0.0208
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TCRC164	84	88	148	210	0.021	0.0148
TCRC164	88	92	346	350	0.035	3.46E-02
TCRC164	92	96	500	580	5.80E-02	5.00E-02
TCRC164	96	100	445	500	5.00E-02	4.45E-02
TCRC164	100	104	145	170	1.70E-02	0.0145
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TCRC164	108	112	288	410	4.10E-02	0.0288
TCRC164	112	116	155	200	0.02	0.0155
TCRC164	116	120	370	450	4.50E-02	0.037
TCRC164	120	124	148	320	3.20E-02	0.0148
TCRC164	124	128	177	250	0.025	0.0177
TCRC164	128	132	165	150	0.015	0.0165
TCRC164	132	136	157	360	3.60E-02	1.57E-02
TCRC164	136	140	181	200	0.02	1.81E-02
TCRC164	140	144	205	400	4.00E-02	2.05E-02
TCRC164	144	148	658	920	0.092	6.58E-02
TCRC164	148	150	697	970	9.70E-02	6.97E-02
TCRC165	0	4	24	160	1.60E-02	2.40E-03
TCRC165	4	8	38	250	0.025	3.80E-03
TCRC165	8	12	10	100	1.00E-02	0.001
TCRC165	12	16	-1	60	6.00E-03	-1.00E-04
TCRC165	16	20	85	310	3.10E-02	8.50E-03
TCRC165	20	24	117	180	1.80E-02	0.0117
TCRC165	24	28	153	160	1.60E-02	0.0153
TCRC165	28	32	139	190	1.90E-02	0.0139
TCRC165	32	36	147	230	0.023	0.0147
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TCRC172	124	125	129	710	7.10E-02	0.0129
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TCRC172	127	128	270	1090	0.109	2.70E-02
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TCRC173	76	80	269	1970	0.197	2.69E-02
TCRC173	80	84	247	1410	0.141	2.47E-02
TCRC173	84	88	286	1580	0.15800001	0.0286
TCRC173	88	92	323	1610	0.161	3.23E-02
TCRC173	92	96	476	2250	0.22499999	4.76E-02
TCRC173	96	100	185	730	7.30E-02	0.0185

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TCRC175	58	59	714	59800	5.98	7.14E-02
TCRC175	59	60	486	72500	7.25	4.86E-02
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TCRC175	71	72	841	470	4.70E-02	8.41E-02
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TCRC175	76	77	336	1790	0.17900001	3.36E-02
TCRC175	77	78	1200	5320	0.53200001	0.12
TCRC175	78	79	289	730	7.30E-02	2.89E-02
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TCRC175	80	81	503	11900	1.1900001	5.03E-02
TCRC175	81	82	144	2440	0.244	0.0144
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TCRC175	86	87	124	1950	0.19499999	0.0124
TCRC175	87	88	127	3010	0.301	0.0127
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TCRC175	89	90	174	3140	0.31400001	0.0174
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TCRC180	60	61	69	54200	5.4200001	6.90E-03
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TCRC185	34	38	39	20	2.00E-03	3.90E-03
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TCRC185	42	46	12	20	2.00E-03	1.20E-03
TCRC185	46	50	54	50	5.00E-03	5.40E-03
TCRC185	50	54	3	30	0.003	3.00E-04

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TCRC185	70	74	124	60	6.00E-03	0.0124
TCRC185	78	80	30	20	2.00E-03	0.003
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TCRC185	86	88	69	90	9.00E-03	6.90E-03
TCRC185	90	92	92	110	0.011	9.20E-03
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TCRC185	144	148	69	-10	-0.001	6.90E-03
TCRC185	148	150	122	260	2.60E-02	0.0122
TCRC186	2	6	833	860	8.60E-02	8.33E-02
TCRC186	6	10	207	450	4.50E-02	0.0207
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TCRC186	30	34	608	2210	0.221	6.08E-02
TCRC186	34	38	426	800	8.00E-02	4.26E-02
TCRC186	38	42	363	720	7.20E-02	0.0363
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TCRC186	56	57	109	1770	0.177	0.0109
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TCRC186	59	60	135	23200	2.3199999	0.0135
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TCRC186	62	63	76	3320	0.33199999	7.60E-03
TCRC186	63	64	52	4780	0.47799999	0.0052
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TCRC186	65	66	87	16300	1.63	8.70E-03
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TCRC186	70	71	50	1230	0.123	5.00E-03
TCRC186	71	72	25	1050	0.105	2.50E-03
TCRC186	72	73	54	1610	0.161	5.40E-03
TCRC186	73	74	56	1410	0.141	5.60E-03
TCRC186	74	75	106	1540	0.154	0.0106
TCRC186	75	76	78	1370	0.13699999	7.80E-03
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TCRC186	79	80	45	1410	0.141	4.50E-03

TCRC186	80	81	64	1500	0.15000001	6.40E-03
TCRC186	81	82	43	1280	0.12800001	4.30E-03
TCRC186	82	83	86	1420	0.142	8.60E-03
TCRC186	83	84	63	1490	0.149	0.0063
TCRC186	84	85	69	1180	0.118	6.90E-03
TCRC186	85	86	68	1000	0.1	6.80E-03
TCRC186	86	87	48	1420	0.142	4.80E-03
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TCRC186	94	95	399	13100	1.3099999	3.99E-02
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TCRC186	100	101	342	73200	7.3200002	3.42E-02
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TCRC187	8	12	439	650	6.50E-02	4.39E-02
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TCRC187	80	84	330	5960	0.59600002	0.033
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TCRC187	89	90	431	14400	1.4400001	4.31E-02
TCRC187	90	91	432	14900	1.49	4.32E-02
TCRC187	91	92	381	12000	1.2	0.0381
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TCRC187	93	94	129	7960	0.796	0.0129
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TCRC187	106	107	816	840	8.40E-02	8.16E-02

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TCRC187	133	134	611	3650	0.36500001	6.11E-02
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TCRC187	136	137	401	6070	0.60699999	4.01E-02
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TCRC188	58	59	92	1900	0.19	9.20E-03
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TCRC188	106	107	300	1480	0.148	3.00E-02
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TCRC188	146	147	1880	31900	3.1900001	0.18799999
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TCRC189	133	137	20	-10	-0.001	2.00E-03
TCRC189	137	141	20	-10	-0.001	2.00E-03
TCRC189	141	145	30	10	0.001	0.003
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TCRC190	0	4	170	100	1.00E-02	1.70E-02
TCRC190	4	8	98	80	8.00E-03	9.80E-03
TCRC190	8	12	121	40	4.00E-03	0.0121
TCRC190	12	16	132	140	0.014	0.0132
TCRC190	16	20	110	80	8.00E-03	0.011
TCRC190	20	24	199	150	0.015	0.0199
TCRC190	24	28	273	150	0.015	0.0273
TCRC190	28	32	249	190	1.90E-02	2.49E-02
TCRC190	32	36	37	10	0.001	0.0037
TCRC190	36	40	83	60	6.00E-03	8.30E-03
TCRC190	40	44	90	50	5.00E-03	9.00E-03
TCRC190	44	48	103	80	8.00E-03	0.0103
TCRC190	48	52	258	130	0.013	2.58E-02
TCRC190	52	56	310	200	0.02	3.10E-02
TCRC190	56	60	44	40	4.00E-03	0.0044
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TCRC190	64	68	173	150	0.015	0.0173
TCRC190	68	72	53	40	4.00E-03	5.30E-03
TCRC190	72	76	77	70	7.00E-03	0.0077
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TCRC190	80	84	30	-10	-0.001	0.003
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TCRC190	92	96	33	200	0.02	0.0033
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TCRC190	108	112	123	80	8.00E-03	0.0123
TCRC190	112	116	152	80	8.00E-03	0.0152
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TCRC191	29	33	119	550	0.055	0.0119
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TCRC191	37	41	181	10	0.001	1.81E-02
TCRC191	41	45	99	-10	-0.001	9.90E-03

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TCRC191	53	57	74	50	5.00E-03	0.0074
TCRC191	57	61	106	20	2.00E-03	0.0106
TCRC191	61	65	77	-10	-0.001	0.0077
TCRC191	65	69	67	130	0.013	6.70E-03
TCRC191	69	73	223	90	9.00E-03	2.23E-02
TCRC191	73	77	108	30	0.003	0.0108
TCRC191	77	81	51	80	8.00E-03	5.10E-03
TCRC191	81	85	124	320	3.20E-02	0.0124
TCRC191	85	89	135	180	1.80E-02	0.0135
TCRC191	89	93	85	-10	-0.001	8.50E-03
TCRC191	93	97	64	-10	-0.001	6.40E-03
TCRC191	97	101	158	440	0.044	1.58E-02
TCRC191	101	105	159	270	2.70E-02	1.59E-02
TCRC191	105	109	115	70	7.00E-03	0.0115
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TCRC191	117	121	80	10	0.001	8.00E-03
TCRC191	121	125	56	-10	-0.001	5.60E-03
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TCRC191	129	133	87	-10	-0.001	8.70E-03
TCRC191	133	137	93	40	4.00E-03	0.0093
TCRC191	137	141	86	130	0.013	8.60E-03
TCRC191	141	145	156	140	0.014	0.0156
TCRC191	145	150	43	20	2.00E-03	4.30E-03
TCRC192	0	4	48	40	4.00E-03	4.80E-03
TCRC192	4	8	60	90	9.00E-03	6.00E-03
TCRC192	8	12	112	90	9.00E-03	0.0112
TCRC192	12	16	70	-10	-0.001	7.00E-03
TCRC192	16	20	242	250	0.025	0.0242
TCRC192	20	24	120	20	2.00E-03	0.012
TCRC192	24	28	59	-10	-0.001	5.90E-03
TCRC192	28	32	59	-10	-0.001	5.90E-03
TCRC192	32	36	173	10	0.001	0.0173
TCRC192	36	40	132	40	4.00E-03	0.0132
TCRC192	40	44	93	20	2.00E-03	0.0093
TCRC192	44	48	138	-10	-0.001	0.0138
TCRC192	48	52	117	20	2.00E-03	0.0117
TCRC192	52	56	72	50	5.00E-03	7.20E-03
TCRC192	56	60	101	10	0.001	0.0101
TCRC192	60	64	76	10	0.001	7.60E-03
TCRC192	64	68	101	20	2.00E-03	0.0101
TCRC192	68	72	140	20	2.00E-03	0.014
TCRC192	72	76	128	60	6.00E-03	0.0128
TCRC192	76	80	55	-10	-0.001	0.0055
TCRC192	80	84	62	-10	-0.001	6.20E-03
TCRC192	84	88	146	-10	-0.001	0.0146
TCRC192	88	92	83	10	0.001	8.30E-03
TCRC192	92	96	109	20	2.00E-03	0.0109
TCRC192	96	100	50	-10	-0.001	5.00E-03
TCRC192	100	104	243	50	5.00E-03	0.0243
TCRC192	104	108	84	10	0.001	8.40E-03
TCRC192	108	112	84	-10	-0.001	8.40E-03
TCRC192	112	116	182	30	0.003	1.82E-02
TCRC192	116	120	151	150	0.015	0.0151
TCRC192	120	124	142	40	4.00E-03	0.0142
TCRC192	124	128	93	20	2.00E-03	0.0093
TCRC192	128	132	230	40	4.00E-03	0.023
TCRC192	132	136	159	30	0.003	1.59E-02
TCRC192	136	140	114	20	2.00E-03	0.0114
TCRC192	140	144	180	20	2.00E-03	1.80E-02
TCRC192	144	148	118	40	4.00E-03	0.0118

TCRC192	148	150	190	50	5.00E-03	1.90E-02
TCRC193	2	6	1050	2510	0.25099999	0.105
TCRC193	6	10	359	1630	0.163	0.0359
TCRC193	10	14	637	1470	0.147	6.37E-02
TCRC193	14	18	1020	3170	0.317	0.102
TCRC193	18	22	1830	5230	0.523	0.183
TCRC193	22	26	785	3070	0.30700001	7.85E-02
TCRC193	26	30	377	1160	0.116	3.77E-02
TCRC193	30	34	366	2870	0.287	3.66E-02
TCRC193	34	38	561	1490	0.149	0.0561
TCRC193	38	42	1570	1290	0.12899999	0.15700001
TCRC193	42	46	1480	2680	0.26800001	0.148
TCRC193	46	50	180	490	4.90E-02	1.80E-02
TCRC193	50	54	1080	6240	0.62400001	0.108
TCRC193	54	58	667	2110	0.211	6.67E-02
TCRC193	58	62	782	2050	0.205	7.82E-02
TCRC193	62	66	1270	4380	0.43799999	0.127
TCRC193	66	70	462	1560	0.156	0.0462
TCRC193	70	74	638	1540	0.154	0.0638
TCRC193	74	78	1010	5300	0.52999997	0.101
TCRC193	78	82	579	1750	0.175	0.0579
TCRC193	82	86	692	2380	0.23800001	6.92E-02
TCRC193	86	90	1040	3110	0.31099999	0.104
TCRC193	90	94	538	1690	0.169	5.38E-02
TCRC193	94	98	148	490	4.90E-02	0.0148
TCRC193	98	102	432	2020	0.20200001	4.32E-02
TCRC193	102	106	2790	6630	0.66299999	0.27900001
TCRC193	106	109	144	640	6.40E-02	0.0144
TCRC194	0	4	12	100	1.00E-02	1.20E-03
TCRC194	4	8	-1	100	1.00E-02	-1.00E-04
TCRC194	8	12	98	180	1.80E-02	9.80E-03
TCRC194	12	16	115	250	0.025	0.0115
TCRC194	16	20	148	270	2.70E-02	0.0148
TCRC194	20	24	79	180	1.80E-02	7.90E-03
TCRC194	24	28	95	300	3.00E-02	9.50E-03
TCRC194	28	32	82	250	0.025	0.0082
TCRC194	32	36	100	260	2.60E-02	1.00E-02
TCRC194	36	40	221	340	3.40E-02	0.0221
TCRC194	40	44	90	260	2.60E-02	9.00E-03
TCRC194	44	48	107	380	3.80E-02	0.0107
TCRC194	48	52	142	330	0.033	0.0142
TCRC194	52	56	154	300	3.00E-02	0.0154
TCRC194	56	60	271	390	3.90E-02	2.71E-02
TCRC194	60	64	130	340	3.40E-02	0.013
TCRC194	64	68	93	230	0.023	0.0093
TCRC194	68	72	110	320	3.20E-02	0.011
TCRC194	72	76	135	380	3.80E-02	0.0135
TCRC194	76	80	121	360	3.60E-02	0.0121
TCRC194	80	82	111	270	2.70E-02	0.0111
TCRC195	0	4	35	320	3.20E-02	3.50E-03
TCRC195	4	8	39	340	3.40E-02	3.90E-03
TCRC195	8	12	29	380	3.80E-02	0.0029
TCRC195	12	16	40	400	4.00E-02	4.00E-03
TCRC195	16	20	52	430	4.30E-02	0.0052
TCRC195	20	24	61	440	0.044	6.10E-03
TCRC195	24	28	179	500	5.00E-02	1.79E-02
TCRC195	28	32	149	530	5.30E-02	0.0149
TCRC195	32	36	94	570	0.057	9.40E-03
TCRC195	36	40	101	690	6.90E-02	0.0101
TCRC195	40	44	162	760	7.60E-02	0.0162
TCRC195	44	48	151	650	6.50E-02	0.0151
TCRC195	48	52	133	850	8.50E-02	0.0133
TCRC195	52	56	202	1560	0.156	2.02E-02

TCRC195	56	60	147	870	8.70E-02	0.0147
TCRC195	60	64	140	730	7.30E-02	0.014
TCRC195	64	68	124	800	8.00E-02	0.0124
TCRC195	68	72	165	940	9.40E-02	0.0165
TCRC195	72	76	774	3280	0.32800001	7.74E-02
TCRC195	76	80	514	2590	0.259	5.14E-02
TCRC195	80	84	859	2130	0.213	8.59E-02
TCRC195	84	88	348	1640	0.164	0.0348
TCRC195	88	92	398	1580	0.15800001	3.98E-02
TCRC195	92	96	430	1580	0.15800001	4.30E-02
TCRC195	96	101	622	2380	0.23800001	6.22E-02
TCRC196	1	5	9	50	5.00E-03	9.00E-04
TCRC196	5	9	11	20	2.00E-03	0.0011
TCRC196	9	13	8	-10	-0.001	8.00E-04
TCRC196	13	17	3	20	2.00E-03	3.00E-04
TCRC196	17	21	6	40	4.00E-03	6.00E-04
TCRC196	21	25	4	20	2.00E-03	4.00E-04
TCRC196	25	29	6	-10	-0.001	6.00E-04
TCRC196	29	33	6	-10	-0.001	6.00E-04
TCRC196	33	37	11	-10	-0.001	0.0011
TCRC196	37	41	21	10	0.001	2.10E-03
TCRC196	41	45	6	-10	-0.001	6.00E-04
TCRC196	45	49	10	20	2.00E-03	0.001
TCRC196	49	53	9	10	0.001	9.00E-04
TCRC196	53	57	6	30	0.003	6.00E-04
TCRC196	57	61	1	10	0.001	1.00E-04
TCRC196	61	65	3	-10	-0.001	3.00E-04
TCRC196	65	69	9	-10	-0.001	9.00E-04
TCRC196	69	73	12	10	0.001	1.20E-03
TCRC196	73	77	4	10	0.001	4.00E-04
TCRC196	77	81	6	-10	-0.001	6.00E-04
TCRC196	81	85	6	-10	-0.001	6.00E-04
TCRC196	85	89	10	-10	-0.001	0.001
TCRC196	89	93	12	-10	-0.001	1.20E-03
TCRC196	93	97	9	-10	-0.001	9.00E-04
TCRC196	97	101	3	-10	-0.001	3.00E-04
TCRC196	101	105	11	-10	-0.001	0.0011
TCRC196	105	109	5	-10	-0.001	5.00E-04
TCRC196	109	113	13	20	2.00E-03	0.0013
TCRC196	113	117	8	30	0.003	8.00E-04
TCRC196	117	121	17	20	2.00E-03	0.0017
TCRC196	121	125	4	20	2.00E-03	4.00E-04
TCRC196	125	129	3	20	2.00E-03	3.00E-04
TCRC196	129	133	5	20	2.00E-03	5.00E-04
TCRC196	133	137	-1	20	2.00E-03	-1.00E-04
TCRC196	137	141	7	10	0.001	7.00E-04
TCRC196	141	145	5	-10	-0.001	5.00E-04
TCRC196	145	150	19	10	0.001	0.0019
TCRC197	0	4	437	1500	0.15000001	4.37E-02
TCRC197	4	8	44	550	0.055	0.0044
TCRC197	8	12	53	690	6.90E-02	5.30E-03
TCRC197	12	16	58	660	0.066	5.80E-03
TCRC197	16	20	185	880	0.088	0.0185
TCRC197	20	24	618	880	0.088	6.18E-02
TCRC197	24	28	383	960	9.60E-02	0.0383
TCRC197	28	32	464	850	8.50E-02	4.64E-02
TCRC197	32	36	227	910	9.10E-02	2.27E-02
TCRC197	36	40	203	730	7.30E-02	2.03E-02
TCRC197	40	44	646	1590	0.15899999	6.46E-02
TCRC197	44	48	235	760	7.60E-02	2.35E-02
TCRC197	48	52	414	2340	0.234	0.0414
TCRC197	52	56	378	2900	0.28999999	3.78E-02
TCRC197	56	60	250	1300	0.13	0.025

TCRC197	60	64	592	1530	0.153	0.0592
TCRC197	64	68	539	1630	0.163	0.0539
TCRC197	68	72	247	770	0.077	2.47E-02
TCRC197	72	76	1780	1720	0.17200001	0.178
TCRC197	76	80	646	2160	0.21600001	6.46E-02
TCRC197	80	84	1170	3280	0.32800001	0.117
TCRC197	84	88	868	2490	0.249	8.68E-02
TCRC197	88	92	739	2260	0.226	7.39E-02
TCRC197	92	96	641	2400	0.23999999	6.41E-02
TCRC197	96	100	604	2180	0.21799999	6.04E-02
TCRC197	100	104	886	4050	0.405	8.86E-02
TCRC197	104	108	763	3400	0.34	7.63E-02
TCRC197	108	110	784	3580	0.35800001	7.84E-02
TCRC198	0	4	1790	5340	0.53399998	0.17900001
TCRC198	4	8	151	820	8.20E-02	0.0151
TCRC198	8	12	70	890	8.90E-02	7.00E-03
TCRC198	12	16	136	1070	0.107	0.0136
TCRC198	16	20	116	1020	0.102	0.0116
TCRC198	20	24	1330	1490	0.149	0.133
TCRC198	24	28	485	930	9.30E-02	4.85E-02
TCRC198	28	32	467	1550	0.155	4.67E-02
TCRC198	32	36	170	590	0.059	1.70E-02
TCRC198	36	40	323	1280	0.12800001	3.23E-02
TCRC198	40	44	329	1590	0.15899999	3.29E-02
TCRC198	44	48	617	1810	0.18099999	6.17E-02
TCRC198	48	52	400	1900	0.19	4.00E-02
TCRC198	52	56	349	1770	0.177	3.49E-02
TCRC198	56	60	304	1170	0.117	3.04E-02
TCRC198	60	64	104	690	6.90E-02	0.0104
TCRC198	64	68	108	490	4.90E-02	0.0108
TCRC198	68	72	102	160	1.60E-02	0.0102
TCRC198	72	76	131	80	8.00E-03	0.0131
TCRC198	76	80	115	50	5.00E-03	0.0115
TCRC198	80	84	82	60	6.00E-03	0.0082
TCRC198	84	88	88	70	7.00E-03	0.0088
TCRC198	88	92	75	80	8.00E-03	7.50E-03
TCRC198	92	96	136	440	0.044	0.0136
TCRC198	96	99	482	2270	0.227	0.0482
TCRC198	99	102	280	1250	0.125	2.80E-02
TCRC198	102	105	128	430	4.30E-02	0.0128
TCRC198	105	109	98	370	0.037	9.80E-03
TCRC199	1	5	62	800	8.00E-02	6.20E-03
TCRC199	5	9	68	900	9.00E-02	6.80E-03
TCRC199	9	13	90	1000	0.1	9.00E-03
TCRC199	13	17	78	950	9.50E-02	7.80E-03
TCRC199	17	21	938	1230	0.123	9.38E-02
TCRC199	21	25	709	970	9.70E-02	7.09E-02
TCRC199	25	29	1210	1760	0.176	0.121
TCRC199	29	33	1090	2430	0.243	0.109
TCRC199	33	37	797	1750	0.175	7.97E-02
TCRC199	37	41	619	1770	0.177	6.19E-02
TCRC199	41	45	586	1720	0.17200001	5.86E-02
TCRC199	45	49	598	1750	0.175	5.98E-02
TCRC199	49	50	463	2470	0.24699999	4.63E-02
TCRC200	0	4	883	1290	0.12899999	8.83E-02
TCRC200	4	8	105	290	2.90E-02	0.0105
TCRC200	8	12	182	310	3.10E-02	1.82E-02
TCRC200	12	16	174	280	2.80E-02	0.0174
TCRC200	16	20	164	270	2.70E-02	0.0164
TCRC200	20	24	118	400	4.00E-02	0.0118
TCRC200	24	28	189	460	0.046	0.0189
TCRC200	28	32	156	470	4.70E-02	0.0156
TCRC200	32	36	121	490	4.90E-02	0.0121

TCRC200	36	40	140	720	7.20E-02	0.014
TCRC200	40	44	122	460	0.046	0.0122
TCRC200	44	48	135	380	3.80E-02	0.0135
TCRC200	48	52	130	500	5.00E-02	0.013
TCRC200	52	56	123	350	0.035	0.0123
TCRC200	56	60	103	330	0.033	0.0103
TCRC200	60	64	103	300	3.00E-02	0.0103
TCRC200	64	68	87	210	0.021	8.70E-03
TCRC200	68	72	79	160	1.60E-02	7.90E-03
TCRC200	72	76	83	190	1.90E-02	8.30E-03
TCRC200	76	80	30	350	0.035	0.003
TCRC200	80	84	119	430	4.30E-02	0.0119
TCRC200	84	88	91	260	2.60E-02	9.10E-03
TCRC200	88	92	91	220	0.022	9.10E-03
TCRC200	92	96	96	1380	0.138	9.60E-03
TCRC200	96	100	282	2460	0.24600001	2.82E-02
TCRC200	100	104	273	2260	0.226	0.0273
TCRC200	104	108	634	2660	0.266	0.0634
TCRC200	108	112	730	2510	0.25099999	7.30E-02
TCRC200	112	116	257	860	8.60E-02	2.57E-02
TCRC200	116	120	235	790	7.90E-02	2.35E-02
TCRC200	120	124	199	740	7.40E-02	0.0199
TCRC200	124	128	180	630	6.30E-02	1.80E-02
TCRC200	128	132	137	450	4.50E-02	0.0137
TCRC200	132	136	145	530	5.30E-02	0.0145
TCRC200	136	140	130	670	6.70E-02	0.013
TCRC200	140	144	117	1200	0.12	0.0117
TCRC200	144	145	97	900	9.00E-02	9.70E-03
TCRC200	145	146	58	1310	0.131	5.80E-03
TCRC200	146	147	122	700	0.07	0.0122
TCRC200	147	150	133	850	8.50E-02	0.0133
TCRC201	0	4	56	670	6.70E-02	5.60E-03
TCRC201	4	8	49	650	6.50E-02	4.90E-03
TCRC201	8	12	68	690	6.90E-02	6.80E-03
TCRC201	12	16	301	730	7.30E-02	3.01E-02
TCRC201	16	20	108	530	5.30E-02	0.0108
TCRC201	20	24	206	250	0.025	0.0206
TCRC201	24	28	216	290	2.90E-02	2.16E-02
TCRC201	28	32	128	260	2.60E-02	0.0128
TCRC201	32	36	93	270	2.70E-02	0.0093
TCRC201	36	40	118	270	2.70E-02	0.0118
TCRC201	40	44	111	370	0.037	0.0111
TCRC201	44	48	265	600	6.00E-02	0.0265
TCRC201	48	52	161	340	3.40E-02	1.61E-02
TCRC201	52	56	120	320	3.20E-02	0.012
TCRC201	56	60	152	370	0.037	0.0152
TCRC201	60	64	143	400	4.00E-02	0.0143
TCRC201	64	68	162	550	0.055	0.0162
TCRC201	68	72	162	420	4.20E-02	0.0162
TCRC201	72	76	158	370	0.037	1.58E-02
TCRC201	76	80	136	350	0.035	0.0136
TCRC201	80	84	107	220	0.022	0.0107
TCRC201	84	88	78	90	9.00E-03	7.80E-03
TCRC201	88	92	70	80	8.00E-03	7.00E-03
TCRC201	92	96	52	60	6.00E-03	0.0052
TCRC201	96	100	62	70	7.00E-03	6.20E-03
TCRC201	100	104	121	220	0.022	0.0121
TCRC201	104	108	64	70	7.00E-03	6.40E-03
TCRC201	108	112	64	60	6.00E-03	6.40E-03
TCRC201	112	116	58	50	5.00E-03	5.80E-03
TCRC201	116	120	66	40	4.00E-03	0.0066
TCRC201	120	124	79	40	4.00E-03	7.90E-03
TCRC201	124	128	53	40	4.00E-03	5.30E-03

TCRC201	128	132	82	40	4.00E-03	0.0082
TCRC201	132	136	63	40	4.00E-03	0.0063
TCRC201	136	140	71	70	7.00E-03	0.0071
TCRC201	140	144	87	70	7.00E-03	8.70E-03
TCRC201	144	148	78	60	6.00E-03	7.80E-03
TCRC201	148	150	91	70	7.00E-03	9.10E-03
TCRC202	0	4	86	760	7.60E-02	8.60E-03
TCRC202	4	8	83	890	8.90E-02	8.30E-03
TCRC202	8	12	112	1040	0.104	0.0112
TCRC202	12	16	117	990	9.90E-02	0.0117
TCRC202	16	20	233	960	9.60E-02	0.0233
TCRC202	20	24	461	910	9.10E-02	4.61E-02
TCRC202	24	28	2280	1690	0.169	0.228
TCRC202	28	32	422	870	8.70E-02	4.22E-02
TCRC202	32	36	407	870	8.70E-02	0.0407
TCRC202	36	40	369	910	9.10E-02	3.69E-02
TCRC202	40	44	169	760	7.60E-02	1.69E-02
TCRC202	44	48	335	1130	0.113	3.35E-02
TCRC202	48	52	596	1500	0.15000001	5.96E-02
TCRC202	52	56	383	900	9.00E-02	0.0383
TCRC202	56	60	167	600	6.00E-02	0.0167
TCRC202	60	64	108	840	8.40E-02	0.0108
TCRC202	64	68	289	1760	0.176	2.89E-02
TCRC202	68	72	395	1550	0.155	3.95E-02
TCRC202	72	76	157	920	0.092	1.57E-02
TCRC202	76	80	116	810	0.081	0.0116
TCRC202	80	84	222	1010	0.101	0.0222
TCRC202	84	88	121	710	7.10E-02	0.0121
TCRC202	88	92	125	680	6.80E-02	0.0125
TCRC202	92	96	114	790	7.90E-02	0.0114
TCRC202	96	100	154	1480	0.148	0.0154
TCRC202	100	104	248	1330	0.133	2.48E-02
TCRC202	104	108	288	1310	0.131	0.0288
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TCRC202	112	116	327	1300	0.13	3.27E-02
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TCRC202	120	124	662	2700	0.27000001	6.62E-02
TCRC202	124	127	1500	4010	0.40099999	0.15000001
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TCRC202	143	147	279	680	6.80E-02	2.79E-02
TCRC202	147	150	320	2210	0.221	3.20E-02
TCRC203	0	4	353	940	9.40E-02	3.53E-02
TCRC203	4	8	126	490	4.90E-02	0.0126
TCRC203	8	12	153	280	2.80E-02	0.0153
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TCRC203	16	20	171	400	4.00E-02	1.71E-02
TCRC203	20	24	199	390	3.90E-02	0.0199
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TCRC203	28	32	155	350	0.035	0.0155
TCRC203	32	36	148	420	4.20E-02	0.0148
TCRC203	36	40	169	420	4.20E-02	1.69E-02
TCRC203	40	44	146	610	6.10E-02	0.0146
TCRC203	44	48	122	1780	0.178	0.0122
TCRC203	48	52	356	1560	0.156	3.56E-02
TCRC203	52	56	505	3160	0.31600001	5.05E-02
TCRC203	56	60	607	3200	0.31999999	6.07E-02
TCRC203	60	64	611	3250	0.32499999	6.11E-02

TCRC203	64	68	584	3400	0.34	5.84E-02
TCRC203	68	72	279	1260	0.126	2.79E-02
TCRC203	72	76	218	1210	0.121	0.0218
TCRC203	76	80	164	890	8.90E-02	0.0164
TCRC203	80	84	201	950	9.50E-02	2.01E-02
TCRC203	84	88	183	810	0.081	1.83E-02
TCRC203	88	92	204	750	7.50E-02	2.04E-02
TCRC203	92	96	180	730	7.30E-02	1.80E-02
TCRC203	96	100	152	560	5.60E-02	0.0152
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TCRD047	18	19	2480	85500	8.5500002	0.248
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TCRD047	33	34	212	18200	1.8200001	2.12E-02
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TCRD047	39	40	1580	50200	5.02	0.15800001
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TCRD047	51	52	515	20800	2.0799999	0.0515
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TCRD047	54	55	78	1880	0.18799999	7.80E-03
TCRD047	55	56	130	5420	0.542	0.013
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TCRD047	57	58	178	60500	6.0500002	0.0178
TCRD047	58	59	40	42600	4.2600002	4.00E-03
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TCRD003DT	139.60001	140	180	6140	0.61400002	1.80E-02
TCRD003DT	140	141	440	1210	0.121	0.044
TCRD003DT	141	142	370	2970	0.29699999	0.037
TCRD003DT	142	143	120	6630	0.66299999	0.012
TCRD003DT	143	144	50	8990	0.89899999	5.00E-03
TCRD003DT	144	145	50	10150	1.015	5.00E-03
TCRD003DT	145	146	70	7380	0.73799998	7.00E-03
TCRD003DT	146	147	110	5840	0.58399999	0.011
TCRD003DT	147	148	70	490	4.90E-02	7.00E-03
TCRD003DT	148	149	80	480	0.048	8.00E-03
TCRD003DT	149	150	60	890	8.90E-02	6.00E-03
TCRD003DT	150	151	150	1260	0.126	0.015
TCRD003DT	151	152	390	22900	2.29	3.90E-02
TCRD003DT	152	153	400	77800	7.7800002	4.00E-02
TCRD003DT	153	154	120	1740	0.17399999	0.012
TCRD003DT	154	155	1060	70700	7.0700002	0.106
TCRD003DT	155	156	160	3040	0.30399999	1.60E-02

TCRD003DT	156	157	120	19850	1.985	0.012
TCRD003DT	157	158	530	22800	2.28	5.30E-02
TCRD003DT	158	159	320	74600	7.46	3.20E-02
TCRD003DT	159	160	130	46500	4.6500001	0.013
TCRD003DT	160	161	50	14400	1.4400001	5.00E-03
TCRD003DT	161	162	40	11500	1.15	4.00E-03
TCRD003DT	162	163	140	29500	2.95	0.014
TCRD003DT	163	164	120	2160	0.21600001	0.012
TCRD003DT	164	165	220	21700	2.1700001	0.022
TCRD003DT	165	166	380	40100	4.0100002	3.80E-02
TCRD003DT	166	167	400	209000	20.9	4.00E-02
TCRD003DT	167	168	220	6590	0.65899998	0.022
TCRD003DT	168	169	170	5600	0.56	1.70E-02
TCRD003DT	169	170	190	5590	0.55900002	1.90E-02
TCRD003DT	170	171	460	14550	1.455	0.046
TCRD003DT	171	172	310	3750	0.375	3.10E-02
TCRD003DT	172	173	100	3570	0.35699999	1.00E-02
TCRD003DT	173	174	120	2180	0.21799999	0.012
TCRD003DT	174	175	220	1980	0.198	0.022
TCRD003DT	175	176	1210	7620	0.76200002	0.121
TCRD003DT	176	177	390	3860	0.38600001	3.90E-02
TCRD003DT	177	178	230	2990	0.29899999	0.023
TCRD003DT	178	179	630	1630	0.163	6.30E-02
TCRD003DT	179	180	2440	7810	0.78100002	0.244
TCRD003DT	180	181	270	4710	0.47099999	2.70E-02
TCRD003DT	181	182	250	2860	0.28600001	0.025
TCRD003DT	182	183	170	440	0.044	1.70E-02
TCRD003DT	183	184	210	4060	0.40599999	0.021
TCRD003DT	184	185	350	540	5.40E-02	0.035
TCRD003DT	185	186	200	1130	0.113	0.02
TCRD003DT	186	187	240	280	2.80E-02	0.024
TCRD003DT	187	188	290	1470	0.147	2.90E-02
TCRD003DT	188	189	2960	9360	0.93599999	0.296
TCRD003DT	189	190	440	1910	0.191	0.044
TCRD003DT	190	191	550	1070	0.107	0.055
TCRD003DT	191	192	460	1540	0.154	0.046
TCRD003DT	192	193	140	750	7.50E-02	0.014
TCRD003DT	193	194	150	3780	0.37799999	0.015
TCRD003DT	194	195	2980	15600	1.5599999	0.29800001
TCRD003DT	195	196	310	4300	0.43000001	3.10E-02
TCRD003DT	196	197	220	3660	0.366	0.022
TCRD003DT	197	198	280	760	7.60E-02	2.80E-02
TCRD003DT	198	199	280	6740	0.67400002	2.80E-02
TCRD003DT	199	200	200	6320	0.63200003	0.02
TCRD003DT	200	201	210	2600	0.25999999	0.021
TCRD003DT	201	202	360	3870	0.38699999	3.60E-02
TCRD003DT	202	203	270	1010	0.101	2.70E-02
TCRD003DT	203	204	300	2600	0.25999999	3.00E-02
TCRD003DT	204	205	380	13050	1.3049999	3.80E-02
TCRD003DT	205	206	310	5520	0.55199999	3.10E-02
TCRD003DT	206	207	240	4010	0.40099999	0.024
TCRD003DT	207	208	600	16500	1.65	6.00E-02
TCRD003DT	208	209	3580	18200	1.8200001	0.35800001
TCRD003DT	209	210	360	11850	1.1849999	3.60E-02
TCRD003DT	210	211	310	7990	0.79900002	3.10E-02
TCRD003DT	211	212	160	5750	0.57499999	1.60E-02
TCRD003DT	212	213	930	7380	0.73799998	9.30E-02
TCRD003DT	213	214	1300	9250	0.92500001	0.13
TCRD003DT	214	215	310	5080	0.50800002	3.10E-02
TCRD003DT	215	216	300	1880	0.18799999	3.00E-02
TCRD003DT	216	217	80	7990	0.79900002	8.00E-03
TCRD003DT	217	218	240	4650	0.465	0.024
TCRD003DT	218	219	70	2920	0.292	7.00E-03

TCRD003DT	219	220	440	3030	0.303	0.044
TCRD003DT	220	221	210	1880	0.18799999	0.021
TCRD003DT	221	222	130	2870	0.287	0.013
TCRD003DT	222	223	210	12000	1.2	0.021
TCRD003DT	223	224	90	4820	0.48199999	9.00E-03
TCRD003DT	224	225	160	8410	0.84100002	1.60E-02
TCRD003DT	225	226	290	12250	1.225	2.90E-02
TCRD003DT	226	227	380	8490	0.84899998	3.80E-02
TCRD003DT	227	228	2550	13000	1.3	0.255
TCRD003DT	228	229	100	5240	0.52399999	1.00E-02
TCRD003DT	229	230	120	9440	0.94400001	0.012
TCRD003DT	230	231	60	9630	0.963	6.00E-03
TCRD003DT	231	232	550	17350	1.735	0.055
TCRD003DT	232	233	510	19650	1.965	5.10E-02
TCRD003DT	233	234	1440	22800	2.28	0.14399999
TCRD003DT	234	235	90	14600	1.46	9.00E-03
TCRD003DT	235	236	230	7880	0.78799999	0.023
TCRD003DT	236	237	1040	10750	1.075	0.104
TCRD003DT	237	238	210	9350	0.935	0.021
TCRD003DT	238	239	360	20800	2.0799999	3.60E-02
TCRD003DT	239	240	560	7850	0.78500003	5.60E-02
TCRD003DT	241	242	210	14400	1.4400001	0.021
TCRD003DT	242	243	100	14700	1.47	1.00E-02
TCRD003DT	244.8	245	1540	23100	2.3099999	0.154
TCRD003DT	245	246	480	31200	3.1199999	0.048
TCRD003DT	246	247	1620	15950	1.595	0.162
TCRD003DT	247	248	1330	25400	2.54	0.133
TCRD003DT	248	249	710	18100	1.8099999	7.10E-02
TCRD003DT	249	250	1090	13900	1.39	0.109
TCRD003DT	250	251	1370	16750	1.675	0.13699999
TCRD003DT	251	252	1030	13600	1.36	0.103
TCRD003DT	252	253	600	14300	1.4299999	6.00E-02
TCRD003DT	253	254	130	4180	0.41800001	0.013
TCRD003DT	254	255	270	9540	0.954	2.70E-02
TCRD003DT	255	256	150	11300	1.13	0.015
TCRD003DT	256	257	240	26000	2.5999999	0.024
TCRD003DT	257	258	770	9870	0.98699999	0.077
TCRD003DT	258	259	1890	23000	2.3	0.189
TCRD003DT	259	260	1470	14350	1.4349999	0.147
TCRD003DT	260	261	1760	25400	2.54	0.176
TCRD003DT	261	262	540	21800	2.1800001	5.40E-02
TCRD003DT	262	263	2850	18300	1.83	0.285
TCRD003DT	265.60001	266	4220	60900	6.0900002	0.42199999
TCRD003DT	266	267	2330	12900	1.29	0.233
TCRD003DT	268.60001	269	1080	37100	3.71	0.108
TCRD003DT	269	270	1120	69500	6.9499998	0.112
TCRD003DT	271	272	3380	50500	5.0500002	0.338
TCRD003DT	272	273	150	28900	2.8900001	0.015
TCRD003DT	273	274	550	14500	1.45	0.055
TCRD003DT	274	275	1380	17350	1.735	0.138
TCRD003DT	275	276	1990	42400	4.2399998	0.199
TCRD003DT	276	277	200	13900	1.39	0.02
TCRD003DT	277	278	220	14800	1.48	0.022
TCRD003DT	278	279	130	8930	0.89300001	0.013
TCRD003DT	279	280	510	13450	1.345	5.10E-02
TCRD003DT	280	281	50	21000	2.0999999	5.00E-03
TCRD003DT	281	282	5760	43600	4.3600001	0.57599998
TCRD003DT	282	283	330	30200	3.02	0.033
TCRD003DT	283	284	1350	32500	3.25	0.13500001
TCRD003DT	284	285	5550	38600	3.8599999	0.55500001
TCRD003DT	285	286	110	26600	2.6600001	0.011
TCRD003DT	286	287	60	11950	1.1950001	6.00E-03
TCRD003DT	287	288	590	15250	1.525	0.059

TCRD003DT	288	289	4790	23500	2.3499999	0.479
TCRD003DT	289	290	40	24700	2.47	4.00E-03
TCRD003DT	290	291	40	27800	2.78	4.00E-03
TCRD003DT	291	292	50	37100	3.71	5.00E-03
TCRD003DT	292	293	180	34900	3.49	1.80E-02
TCRD003DT	293	294	140	37000	3.7	0.014
TCRD003DT	294	295	190	31200	3.1199999	1.90E-02
TCRD003DT	295	296	160	36000	3.5999999	1.60E-02
TCRD003DT	296	297	170	42800	4.2800002	1.70E-02
TCRD003DT	297	298	170	20300	2.03	1.70E-02
TCRD003DT	298	299	110	69700	6.9699998	0.011
TCRD003DT	299	300	6650	36700	3.6700001	0.66500002
TCRD003DT	300	301	440	32200	3.22	0.044
TCRD003DT	301	302	60	26400	2.6400001	6.00E-03
TCRD003DT	302	303	40	16050	1.605	4.00E-03
TCRD003DT	303	304	30	22300	2.23	0.003
TCRD003DT	304	305	190	16950	1.6950001	1.90E-02
TCRD003DT	305	306	980	13650	1.365	9.80E-02
TCRD003DT	306	307	750	29200	2.9200001	7.50E-02
TCRD003DT	307	308	60	26700	2.6700001	6.00E-03
TCRD003DT	308	309	910	15800	1.58	9.10E-02
TCRD003DT	309	310	790	19850	1.985	7.90E-02
TCRD003DT	310	311	460	37900	3.79	0.046
TCRD003DT	311	312	4280	38600	3.8599999	0.428
TCRD003DT	312	313	140	24400	2.4400001	0.014
TCRD003DT	313	314	30	33500	3.3499999	0.003
TCRD003DT	314	315	20	10050	1.005	2.00E-03
TCRD003DT	315	316	50	31400	3.1400001	5.00E-03
TCRD003DT	316	317	20	36100	3.6099999	2.00E-03
TCRD003DT	317	318	7610	32200	3.22	0.76099998
TCRD003DT	318	319	100	23200	2.3199999	1.00E-02
TCRD003DT	319	320	290	37700	3.77	2.90E-02
TCRD003DT	320	321	270	28500	2.8499999	2.70E-02
TCRD003DT	321	322	710	41800	4.1799998	7.10E-02
TCRD003DT	322	323	270	16550	1.655	2.70E-02
TCRD003DT	323	324	60	36500	3.6500001	6.00E-03
TCRD003DT	324	325	330	26000	2.5999999	0.033
TCRD003DT	325	326	60	19850	1.985	6.00E-03
TCRD003DT	326	327	280	10300	1.03	2.80E-02
TCRD003DT	327	328	200	8260	0.82599998	0.02
TCRD003DT	328	329	140	22400	2.24	0.014
TCRD003DT	329	330	500	43100	4.3099999	5.00E-02
TCRD003DT	330	331	410	20100	2.01	4.10E-02
TCRD003DT	331	332	420	5050	0.505	4.20E-02
TCRD003DT	332	333	1010	1090	0.109	0.101
TCRD003DT	333	334	480	6780	0.67799997	0.048
TCRD003DT	334	335	760	8310	0.83099997	7.60E-02
TCRD003DT	335	336	340	1160	0.116	3.40E-02
TCRD003DT	336	337	1370	2980	0.29800001	0.13699999
TCRD003DT	337	338	780	5640	0.56400001	7.80E-02
TCRD003DT	338	339	3360	16900	1.6900001	0.336
TCRD003DT	339	340	4620	11200	1.12	0.46200001
TCRD003DT	340	341	4790	24500	2.45	0.479
TCRD003DT	341	342	610	65900	6.5900002	6.10E-02
TCRD003DT	342	343	470	39900	3.99	4.70E-02
TCRD003DT	343	344	10	71300	7.1300001	0.001
TCRD003DT	344	345	-10	50500	5.0500002	-0.001
TCRD003DT	345	346	440	115000	11.5	0.044
TCRD003DT	346	347	3100	63100	6.3099999	0.31
TCRD003DT	347	348	3030	87900	8.79	0.303
TCRD003DT	348	349	1560	55300	5.5300002	0.156
TCRD003DT	349	350	110	28000	2.8	0.011
TCRD003DT	350	351	270	27600	2.76	2.70E-02

TCRD003DT	351	352	90	26000	2.5999999	9.00E-03
TCRD003DT	352	353	10	17600	1.76	0.001
TCRD003DT	353	354	11600	41200	4.1199999	1.16
TCRD003DT	354	355	20	31200	3.1199999	2.00E-03
TCRD003DT	355	356	370	22100	2.21	0.037
TCRD003DT	356	357	40	31100	3.1099999	4.00E-03
TCRD003DT	357	358	30	26500	2.6500001	0.003
TCRD003DT	358	359	10	21000	2.0999999	0.001
TCRD003DT	359	360	10	19400	1.9400001	0.001
TCRD003DT	360	361	-10	12000	1.2	-0.001
TCRD003DT	361	362	30	9890	0.98900002	0.003
TCRD003DT	362	363	350	22700	2.27	0.035
TCRD003DT	363	364	670	36600	3.6600001	6.70E-02
TCRD003DT	364	365	10	14450	1.4450001	0.001
TCRD003DT	365	366	-10	8560	0.85600001	-0.001
TCRD003DT	366	367	30	7750	0.77499998	0.003
TCRD003DT	367	368	70	8180	0.81800002	7.00E-03
TCRD003DT	368	369	430	22300	2.23	4.30E-02
TCRD003DT	369	370	4110	36100	3.6099999	0.41100001
TCRD003DT	370	371	300	17400	1.74	3.00E-02
TCRD003DT	371	372	20	5080	0.50800002	2.00E-03
TCRD003DT	372	373	610	13650	1.365	6.10E-02
TCRD003DT	373	374	2040	5020	0.50199997	0.204
TCRD003DT	374	375	2320	6810	0.68099999	0.23199999
TCRD003DT	375	376	1370	3200	0.31999999	0.13699999
TCRD003DT	376	377	3070	36100	3.6099999	0.30700001
TCRD003DT	377	378	1200	13200	1.3200001	0.12
TCRD003DT	378	379	2360	8670	0.86699998	0.236
TCRD003DT	379	380	260	30	0.003	2.60E-02
TCRD003DT	380	381	140	-10	-0.001	0.014
TCRD003DT	381	382	80	10	0.001	8.00E-03
TCRD003DT	382	383	60	10	0.001	6.00E-03
TCRD003DT	383	384	60	30	0.003	6.00E-03
TCRD003DT	384	385	60	-10	-0.001	6.00E-03
TCRD003DT	385	386	50	10	0.001	5.00E-03
TCRD003DT	386	387	40	-10	-0.001	4.00E-03
TCRD003DT	387	388	40	10	0.001	4.00E-03
TCRD003DT	388	389	40	-10	-0.001	4.00E-03
TCRD003DT	389	390	30	-10	-0.001	0.003
TCRD003DT	390	391	30	-10	-0.001	0.003
TCRD003DT	391	392	30	40	4.00E-03	0.003
TCRD003DT	392	393	30	10	0.001	0.003
TCRD003DT	393	394	30	10	0.001	0.003
TCRD003DT	394	395	50	10	0.001	5.00E-03
TCRD003DT	395	396	30	-10	-0.001	0.003
TCRD003DT	396	397	30	-10	-0.001	0.003
TCRD003DT	397	398	30	-10	-0.001	0.003
TCRD003DT	398	399	40	-10	-0.001	4.00E-03
TCRD003DT	399	400	30	-10	-0.001	0.003
TCRD003DT	400	401	20	20	2.00E-03	2.00E-03
TCRD003DT	401	402	30	20	2.00E-03	0.003
TCRD003DT	402	403	40	40	4.00E-03	4.00E-03
TCRD003DT	403	404	30	10	0.001	0.003
TCRD003DT	404	405	30	20	2.00E-03	0.003
TCRD003DT	405	406	20	10	0.001	2.00E-03
TCRD003DT	406	407	30	20	2.00E-03	0.003
TCRD003DT	407	408	20	30	0.003	2.00E-03
TCRD003DT	408	409	30	20	2.00E-03	0.003
TCRD003DT	409	409.60001	30	30	0.003	0.003
TCRD004DT	137.5	139	330	430	4.30E-02	0.033
TCRD004DT	139	141	660	460	0.046	0.066
TCRD004DT	141	143	520	200	0.02	5.20E-02
TCRD004DT	143	145	1060	150	0.015	0.106

TCRD004DT	145	147	880	130	0.013	0.088
TCRD004DT	147	149	520	90	9.00E-03	5.20E-02
TCRD004DT	149	151	360	80	8.00E-03	3.60E-02
TCRD004DT	151	153	300	70	7.00E-03	3.00E-02
TCRD004DT	153	155	290	80	8.00E-03	2.90E-02
TCRD004DT	158	160	220	100	1.00E-02	0.022
TCRD004DT	160	162	390	510	5.10E-02	3.90E-02
TCRD004DT	162	164	170	590	0.059	1.70E-02
TCRD004DT	164	166	200	650	6.50E-02	0.02
TCRD004DT	166	168	180	640	6.40E-02	1.80E-02
TCRD004DT	168	170	200	620	6.20E-02	0.02
TCRD004DT	170	172	190	750	7.50E-02	1.90E-02
TCRD004DT	172	174	150	550	0.055	0.015
TCRD004DT	174	176	130	690	6.90E-02	0.013
TCRD004DT	176	178	100	750	7.50E-02	1.00E-02
TCRD004DT	178	180	120	780	7.80E-02	0.012
TCRD004DT	180	182	110	630	6.30E-02	0.011
TCRD004DT	182	183	120	690	6.90E-02	0.012
TCRD004DT	183	184	140	2740	0.27399999	0.014
TCRD004DT	184	185	150	840	8.40E-02	0.015
TCRD004DT	185	186	180	810	0.081	1.80E-02
TCRD004DT	186	187	180	990	9.90E-02	1.80E-02
TCRD004DT	187	188	280	960	9.60E-02	2.80E-02
TCRD004DT	188	189	220	830	8.30E-02	0.022
TCRD004DT	189	190	210	780	7.80E-02	0.021
TCRD004DT	190	191	230	880	0.088	0.023
TCRD004DT	191	192	290	1270	0.127	2.90E-02
TCRD004DT	192	193	460	2640	0.264	0.046
TCRD004DT	193	194	390	1100	0.11	3.90E-02
TCRD004DT	194	195	2040	27300	2.73	0.204
TCRD004DT	195	196	380	740	7.40E-02	3.80E-02
TCRD004DT	196	197	680	720	7.20E-02	6.80E-02
TCRD004DT	197	198	3780	16350	1.635	0.37799999
TCRD004DT	198	199	1570	1530	0.153	0.15700001
TCRD004DT	199	200	860	2200	0.22	8.60E-02
TCRD004DT	200	201	1460	3330	0.333	0.146
TCRD004DT	201	202	3090	2410	0.241	0.30899999
TCRD004DT	202	203	2070	2710	0.271	0.207
TCRD004DT	203	204	1740	23800	2.3800001	0.17399999
TCRD004DT	204	205	14200	50400	5.04	1.42
TCRD004DT	205	206	9750	51100	5.1100001	0.97500002
TCRD004DT	206	207	8870	26600	2.6600001	0.88700002
TCRD004DT	207	208	2960	5400	0.54000002	0.296
TCRD004DT	208	209	8840	12400	1.24	0.884
TCRD004DT	209	210	2790	16650	1.665	0.27900001
TCRD004DT	210	211	2180	22200	2.22	0.21799999
TCRD004DT	211	212	13150	20800	2.0799999	1.3150001
TCRD004DT	212	213	20300	28000	2.8	2.03
TCRD004DT	213	214	13850	53400	5.3400002	1.385
TCRD004DT	214	215	1600	25400	2.54	0.16
TCRD004DT	215	216	9730	8520	0.852	0.97299999
TCRD004DT	216	217	6850	9190	0.91900003	0.685
TCRD004DT	217	218	3310	49200	4.9200001	0.331
TCRD004DT	218	219	19200	22900	2.29	1.92
TCRD004DT	219	220	27900	38200	3.8199999	2.79
TCRD004DT	220	221	13750	79100	7.9099998	1.375
TCRD004DT	221	222	1060	132500	13.25	0.106
TCRD004DT	222	223	3970	89800	8.9799995	0.39700001
TCRD004DT	223	224	1380	101000	10.1	0.138
TCRD004DT	224	225	1240	117000	11.7	0.124
TCRD004DT	225	226	540	71300	7.1300001	5.40E-02
TCRD004DT	226	227	2660	131000	13.1	0.266
TCRD004DT	227	228	790	69700	6.9699998	7.90E-02

TCRD004DT	228	229	27100	29600	2.96	2.71
TCRD004DT	229	230	16550	17050	1.705	1.655
TCRD004DT	230	231	8350	32300	3.23	0.83499998
TCRD004DT	231	232	4210	29700	2.97	0.421
TCRD004DT	232	233	8930	20500	2.05	0.89300001
TCRD004DT	233	234	7600	51800	5.1799998	0.75999999
TCRD004DT	234	235	3400	32600	3.26	0.34
TCRD004DT	235	236	3370	43900	4.3899999	0.33700001
TCRD004DT	236	237	930	49400	4.9400001	9.30E-02
TCRD004DT	237	238	12700	41600	4.1599998	1.27
TCRD004DT	238	239	5650	13200	1.3200001	0.565
TCRD004DT	239	240	2530	30200	3.02	0.25299999
TCRD004DT	240	241	1370	46600	4.6599998	0.13699999
TCRD004DT	241	243	420	31600	3.1600001	4.20E-02
TCRD004DT	243	244	300	62800	6.2800002	3.00E-02
TCRD004DT	246	247	2600	74300	7.4299998	0.25999999
TCRD004DT	247	248	490	37900	3.79	4.90E-02
TCRD004DT	248	250	320	340	3.40E-02	3.20E-02
TCRD004DT	250	251	20	100	1.00E-02	2.00E-03
TCRD006DT	140	141	520	108500	10.85	5.20E-02
TCRD006DT	141	142	1840	68100	6.8099999	0.184
TCRD006DT	142	143	11450	35800	3.5799999	1.145
TCRD006DT	143	144	5710	30600	3.0599999	0.57099998
TCRD006DT	144	145	870	8420	0.84200001	8.70E-02
TCRD006DT	145	149	240	50	5.00E-03	0.024
TCRD006DT	149	153	150	40	4.00E-03	0.015
TCRD006DT	153	157	150	30	0.003	0.015
TCRD006DT	157	161	160	50	5.00E-03	1.60E-02
TCRD006DT	161	165		90	9.00E-03	
TCRD006DT	165	169	60	30	0.003	6.00E-03
TCRD006DT	169	173	50	50	5.00E-03	5.00E-03
TCRD006DT	173	177	40	30	0.003	4.00E-03
TCRD006DT	177	181	40	20	2.00E-03	4.00E-03
TCRD006DT	181	185	40	20	2.00E-03	4.00E-03
TCRD006DT	185	189	40	30	0.003	4.00E-03
TCRD006DT	189	193	40	30	0.003	4.00E-03
TCRD006DT	193	197	60	50	5.00E-03	6.00E-03
TCRD006DT	197	200	50	40	4.00E-03	5.00E-03
TCRD007DT	140.5	141	360	25200	2.52	3.60E-02
TCRD007DT	141	142	230	6070	0.60699999	0.023
TCRD007DT	142	143	270	23100	2.3099999	2.70E-02
TCRD007DT	143	144	120	15750	1.575	0.012
TCRD007DT	144	145	530	68900	6.8899999	5.30E-02
TCRD007DT	145	146	420	44000	4.4000001	4.20E-02
TCRD007DT	146	147	220	38500	3.8499999	0.022
TCRD007DT	147	148	130	16350	1.635	0.013
TCRD007DT	148	149	150	32000	3.2	0.015
TCRD007DT	149	150	110	25900	2.5899999	0.011
TCRD007DT	150	151	80	20900	2.0899999	8.00E-03
TCRD007DT	151	152	220	40600	4.0599999	0.022
TCRD007DT	152	153	180	9910	0.991	1.80E-02
TCRD007DT	153	154	170	10950	1.095	1.70E-02
TCRD007DT	154	155	120	22800	2.28	0.012
TCRD007DT	155	156	160	41000	4.0999999	1.60E-02
TCRD007DT	156	157	110	1910	0.191	0.011
TCRD007DT	157	158	240	20300	2.03	0.024
TCRD007DT	158	159	200	89700	8.9700003	0.02
TCRD007DT	159	160	70	3840	0.384	7.00E-03
TCRD007DT	160	161	150	18100	1.8099999	0.015
TCRD007DT	161	162	150	60700	6.0700002	0.015
TCRD007DT	162	163	170	65500	6.5500002	1.70E-02
TCRD007DT	163	164	170	56900	5.6900001	1.70E-02
TCRD007DT	164	165	200	101000	10.1	0.02

TCRD007DT	165	166	220	162500	16.25	0.022
TCRD007DT	166	167	310	88300	8.8299999	3.10E-02
TCRD007DT	167	168	340	87400	8.7399998	3.40E-02
TCRD007DT	168	169	240	54500	5.4499998	0.024
TCRD007DT	169	170	250	87100	8.71	0.025
TCRD007DT	170	171	110	6220	0.62199998	0.011
TCRD007DT	171	172	70	2670	0.26699999	7.00E-03
TCRD007DT	172	173	60	2480	0.248	6.00E-03
TCRD007DT	173	174	30	2300	0.23	0.003
TCRD007DT	174	175	3490	142000	14.2	0.34900001
TCRD007DT	175	176	160	69000	6.9000001	1.60E-02
TCRD007DT	176	177	780	67200	6.7199998	7.80E-02
TCRD007DT	177	178	110	70100	7.0100002	0.011
TCRD007DT	178	179	270	64200	6.4200001	2.70E-02
TCRD007DT	179	180	80	76300	7.6300001	8.00E-03
TCRD007DT	180	181	70	36800	3.6800001	7.00E-03
TCRD007DT	181	182	120	81400	8.1400003	0.012
TCRD007DT	182	183	80	32900	3.29	8.00E-03
TCRD007DT	183	184	380	36300	3.6300001	3.80E-02
TCRD007DT	184	185	690	69700	6.9699998	6.90E-02
TCRD007DT	185	186	390	100500	10.05	3.90E-02
TCRD007DT	186	187	130	64400	6.4400001	0.013
TCRD007DT	187	188	650	109000	10.9	6.50E-02
TCRD007DT	188	189	3050	197000	19.700001	0.30500001
TCRD007DT	189	190	230	67000	6.6999998	0.023
TCRD007DT	190	191	30	29400	2.9400001	0.003
TCRD007DT	191	192	120	21900	2.1900001	0.012
TCRD007DT	192	193	160	14050	1.405	1.60E-02
TCRD007DT	193	194	370	9760	0.97600001	0.037
TCRD007DT	194	195	3080	17800	1.78	0.308
TCRD007DT	195	196	1880	18300	1.83	0.18799999
TCRD007DT	196	197	510	5150	0.51499999	5.10E-02
TCRD007DT	197	198	3570	14850	1.485	0.35699999
TCRD009DT	115	117	260	1290	0.12899999	2.60E-02
TCRD009DT	117	119	170	840	8.40E-02	1.70E-02
TCRD009DT	119	121	120	410	4.10E-02	0.012
TCRD009DT	121	123	80	110	0.011	8.00E-03
TCRD009DT	123	125	70	40	4.00E-03	7.00E-03
TCRD009DT	125	127	50	40	4.00E-03	5.00E-03
TCRD009DT	127	129	130	440	0.044	0.013
TCRD009DT	129	131	100	40	4.00E-03	1.00E-02
TCRD009DT	131	133	100	30	0.003	1.00E-02
TCRD009DT	133	135	150	20	2.00E-03	0.015
TCRD009DT	135	137	-10	10	0.001	-0.001
TCRD009DT	137	138	-10	10	0.001	-0.001
TCRD009DT	138	139	10	20	2.00E-03	0.001
TCRD009DT	139	140	20	100	1.00E-02	2.00E-03
TCRD009DT	140	141	30	70	7.00E-03	0.003
TCRD009DT	141	142	40	70	7.00E-03	4.00E-03
TCRD009DT	142	143	50	200	0.02	5.00E-03
TCRD009DT	143	144	100	110	0.011	1.00E-02
TCRD009DT	144	146	30	110	0.011	0.003
TCRD009DT	146	148	40	230	0.023	4.00E-03
TCRD009DT	148	150	20	100	1.00E-02	2.00E-03
TCRD009DT	150	152	40	10	0.001	4.00E-03
TCRD009DT	152	154	50	40	4.00E-03	5.00E-03
TCRD009DT	154	156	80	130	0.013	8.00E-03
TCRD009DT	156	158	80	220	0.022	8.00E-03
TCRD009DT	158	160	20	210	0.021	2.00E-03
TCRD009DT	160	162	90	300	3.00E-02	9.00E-03
TCRD009DT	162	164	110	20	2.00E-03	0.011
TCRD009DT	164	166	70	350	0.035	7.00E-03
TCRD009DT	166	168	20	110	0.011	2.00E-03

TCRD009DT	168	170	40	90	9.00E-03	4.00E-03
TCRD009DT	170	172	90	440	0.044	9.00E-03
TCRD009DT	172	174	40	210	0.021	4.00E-03
TCRD009DT	174	176	10	320	3.20E-02	0.001
TCRD009DT	176	178	330	390	3.90E-02	0.033
TCRD009DT	178	180	110	200	0.02	0.011
TCRD009DT	180	182	110	380	3.80E-02	0.011
TCRD009DT	182	184	20	310	3.10E-02	2.00E-03
TCRD009DT	184	186	20	150	0.015	2.00E-03
TCRD009DT	186	188	20	60	6.00E-03	2.00E-03
TCRD009DT	188	190	20	50	5.00E-03	2.00E-03
TCRD009DT	190	192	40	60	6.00E-03	4.00E-03
TCRD009DT	192	193	40	90	9.00E-03	4.00E-03
TCRD009DT	193	194	100	750	7.50E-02	1.00E-02
TCRD009DT	194	195	140	90	9.00E-03	0.014
TCRD009DT	195	196	70	250	0.025	7.00E-03
TCRD009DT	196	197	20	70	7.00E-03	2.00E-03
TCRD009DT	197	198	70	190	1.90E-02	7.00E-03
TCRD009DT	198	199	30	300	3.00E-02	0.003
TCRD009DT	199	200	30	450	4.50E-02	0.003
TCRD009DT	200	201	40	150	0.015	4.00E-03
TCRD009DT	201	202	30	130	0.013	0.003
TCRD009DT	202	204	40	120	0.012	4.00E-03
TCRD009DT	204	206	30	130	0.013	0.003
TCRD009DT	206	208	50	60	6.00E-03	5.00E-03
TCRD009DT	208	210	30	30	0.003	0.003
TCRD009DT	210	212	50	20	2.00E-03	5.00E-03
TCRD009DT	212	214	310	200	0.02	3.10E-02
TCRD009DT	214	216	130	270	2.70E-02	0.013
TCRD009DT	216	218	40	50	5.00E-03	4.00E-03
TCRD009DT	218	220	100	510	5.10E-02	1.00E-02
TCRD009DT	220	221	140	420	4.20E-02	0.014
TCRD009DT	221	222	10	400	4.00E-02	0.001
TCRD009DT	222	223	30	370	0.037	0.003
TCRD009DT	223	224	40	510	5.10E-02	4.00E-03
TCRD009DT	224	225	20	640	6.40E-02	2.00E-03
TCRD009DT	225	226	30	1110	0.111	0.003
TCRD009DT	226	227	80	2550	0.255	8.00E-03
TCRD009DT	227	228	40	860	8.60E-02	4.00E-03
TCRD009DT	228	229	60	200	0.02	6.00E-03
TCRD009DT	229	230	20	920	0.092	2.00E-03
TCRD009DT	230	231	10	910	9.10E-02	0.001
TCRD009DT	231	232	20	810	0.081	2.00E-03
TCRD009DT	232	233	20	550	0.055	2.00E-03
TCRD009DT	233	234	10	2150	0.215	0.001
TCRD009DT	234	235	10	1510	0.15099999	0.001
TCRD009DT	235	236	60	2670	0.26699999	6.00E-03
TCRD009DT	236	237	50	1900	0.19	5.00E-03
TCRD009DT	237	238	120	4000	0.40000001	0.012
TCRD009DT	238	240	150	2170	0.21699999	0.015
TCRD009DT	240	242	120	1370	0.13699999	0.012
TCRD009DT	242	244	70	1240	0.124	7.00E-03
TCRD009DT	244	246	20	130	0.013	2.00E-03
TCRD009DT	246	248	20	10	0.001	2.00E-03
TCRD009DT	248	250	30	-10	-0.001	0.003
TCRD009DT	250	251	20	-10	-0.001	2.00E-03
TCRD009DT	251	252	20	10	0.001	2.00E-03
TCRD009DT	252	253	30	20	2.00E-03	0.003
TCRD009DT	253	254	460	6410	0.64099997	0.046
TCRD009DT	254	255	250	14850	1.485	0.025
TCRD009DT	255	256	240	34900	3.49	0.024
TCRD009DT	256	257	420	42100	4.21	4.20E-02
TCRD009DT	257	258	510	22200	2.22	5.10E-02

TCRD009DT	258	259	200	5260	0.52600002	0.02
TCRD009DT	259	260	830	7810	0.78100002	8.30E-02
TCRD009DT	260	261	920	44400	4.4400001	0.092
TCRD009DT	261	262	50	102500	10.25	5.00E-03
TCRD009DT	262	263	30	48100	4.8099999	0.003
TCRD009DT	263	264	50	28500	2.8499999	5.00E-03
TCRD009DT	264	265	40	38500	3.8499999	4.00E-03
TCRD009DT	265	266	1920	16600	1.66	0.192
TCRD009DT	266	267	3640	26600	2.6600001	0.36399999
TCRD009DT	267	268	60	12200	1.22	6.00E-03
TCRD009DT	268	269	40	20100	2.01	4.00E-03
TCRD009DT	269	270	40	12100	1.21	4.00E-03
TCRD009DT	270	271	480	32100	3.21	0.048
TCRD009DT	271	272	70	13300	1.33	7.00E-03
TCRD009DT	272	273	260	11700	1.17	2.60E-02
TCRD009DT	273	274	430	18300	1.83	4.30E-02
TCRD009DT	274	275	220	19400	1.9400001	0.022
TCRD009DT	275	276	190	14400	1.4400001	1.90E-02
TCRD009DT	276	277	530	16500	1.65	5.30E-02
TCRD009DT	277	278	560	32100	3.21	5.60E-02
TCRD009DT	278	279	560	31400	3.1400001	5.60E-02
TCRD009DT	279	280	6190	29000	2.9000001	0.61900002
TCRD009DT	280	281	1830	23800	2.3800001	0.183
TCRD009DT	281	282	4160	23800	2.3800001	0.41600001
TCRD009DT	282	283	3480	55800	5.5799999	0.34799999
TCRD009DT	283	284	1870	47800	4.7800002	0.18700001
TCRD009DT	284	285	260	23000	2.3	2.60E-02
TCRD009DT	285	286	90	16400	1.64	9.00E-03
TCRD009DT	286	287	60	19800	1.98	6.00E-03
TCRD009DT	287	288	70	18400	1.84	7.00E-03
TCRD009DT	288	289	120	27900	2.79	0.012
TCRD009DT	289	290	200	20500	2.05	0.02
TCRD009DT	290	291	500	44700	4.4699998	5.00E-02
TCRD009DT	291	292	270	31200	3.1199999	2.70E-02
TCRD009DT	292	293	730	39800	3.98	7.30E-02
TCRD009DT	293	294	340	35000	3.5	3.40E-02
TCRD009DT	294	295	3330	53000	5.3000002	0.333
TCRD009DT	295	296	890	28200	2.8199999	8.90E-02
TCRD009DT	296	297	890	44700	4.4699998	8.90E-02
TCRD009DT	297	298	210	51200	5.1199999	0.021
TCRD009DT	298	299	70	46100	4.6100001	7.00E-03
TCRD009DT	299	300	50	38900	3.8900001	5.00E-03
TCRD009DT	300	301	80	29300	2.9300001	8.00E-03
TCRD009DT	301	302	40	43600	4.3600001	4.00E-03
TCRD009DT	302	303	30	22200	2.22	0.003
TCRD009DT	303	304	20	13800	1.38	2.00E-03
TCRD009DT	304	305	220	5470	0.54699999	0.022
TCRD009DT	305	306	90	2150	0.215	9.00E-03
TCRD009DT	306	307	360	2790	0.27900001	3.60E-02
TCRD009DT	307	308	120	13200	1.3200001	0.012
TCRD009DT	308	309	200	4530	0.45300001	0.02
TCRD009DT	309	310	120	6270	0.62699997	0.012
TCRD009DT	310	311	230	12600	1.26	0.023
TCRD009DT	311	312	2660	15800	1.58	0.266
TCRD009DT	312	313	1900	13300	1.33	0.19
TCRD009DT	313	314	4330	30100	3.01	0.433
TCRD009DT	314	315	1050	31600	3.1600001	0.105
TCRD009DT	315	316	80	15300	1.53	8.00E-03
TCRD009DT	316	317	260	39400	3.9400001	2.60E-02
TCRD009DT	317	318	80	44600	4.46	8.00E-03
TCRD009DT	318	319	50	33800	3.3800001	5.00E-03
TCRD009DT	319	320	310	44100	4.4099998	3.10E-02
TCRD009DT	320	321	210	41600	4.1599998	0.021

TCRD009DT	321	322	60	42900	4.29	6.00E-03
TCRD009DT	322	323	30	34900	3.49	0.003
TCRD009DT	323	324	40	48800	4.8800001	4.00E-03
TCRD009DT	324	325	170	32600	3.26	1.70E-02
TCRD009DT	325	326	70	30900	3.0899999	7.00E-03
TCRD009DT	326	327	2170	49900	4.9899998	0.21699999
TCRD009DT	327	328	2720	54400	5.4400001	0.27200001
TCRD009DT	328	329	50	20500	2.05	5.00E-03
TCRD009DT	329	330	150	13200	1.3200001	0.015
TCRD009DT	330	331	250	23500	2.3499999	0.025
TCRD009DT	331	332	50	15350	1.535	5.00E-03
TCRD009DT	332	333	140	39100	3.9100001	0.014
TCRD009DT	333	334	50	13800	1.38	5.00E-03
TCRD009DT	334	335	120	36200	3.6199999	0.012
TCRD009DT	335	336	6560	59800	5.98	0.65600002
TCRD009DT	336	337	230	23000	2.3	0.023
TCRD009DT	337	338	150	31700	3.1700001	0.015
TCRD009DT	338	339	260	30700	3.0699999	2.60E-02
TCRD009DT	339	340	1150	26500	2.6500001	0.115
TCRD009DT	340	341	30	17050	1.705	0.003
TCRD009DT	341	342	100	25600	2.5599999	1.00E-02
TCRD009DT	342	343	240	32600	3.26	0.024
TCRD009DT	343	344	1090	38900	3.8900001	0.109
TCRD009DT	344	345	30	42900	4.29	0.003
TCRD009DT	345	346	150	59200	5.9200001	0.015
TCRD009DT	346	347	50	28600	2.8599999	5.00E-03
TCRD009DT	347	348	130	54900	5.4899998	0.013
TCRD009DT	348	349	310	30900	3.0899999	3.10E-02
TCRD009DT	349	350	80	35500	3.55	8.00E-03
TCRD009DT	350	351	650	55200	5.52	6.50E-02
TCRD009DT	351	352	30	53000	5.3000002	0.003
TCRD009DT	352	353	250	80800	8.0799999	0.025
TCRD009DT	353	354	20	35200	3.52	2.00E-03
TCRD009DT	354	355	30	20900	2.0899999	0.003
TCRD009DT	355	356	80	32200	3.22	8.00E-03
TCRD009DT	356	357	50	51700	5.1700001	5.00E-03
TCRD009DT	357	358	70	55100	5.5100002	7.00E-03
TCRD009DT	358	359	1610	111000	11.1	0.161
TCRD009DT	359	360	2640	107000	10.7	0.264
TCRD009DT	360	361	1590	66000	6.5999999	0.15899999
TCRD009DT	361	362	480	55400	5.54	0.048
TCRD009DT	362	363	1140	59200	5.9200001	0.114
TCRD009DT	363	364	18000	62000	6.1999998	1.8
TCRD009DT	364	365	3150	91700	9.1700001	0.315
TCRD009DT	365	366	7190	6140	0.61400002	0.71899998
TCRD009DT	366	367	2640	1720	0.17200001	0.264
TCRD009DT	367	368	6740	3540	0.354	0.67400002
TCRD009DT	368	369	820	610	6.10E-02	8.20E-02
TCRD009DT	369	370	140	280	2.80E-02	0.014
TCRD009DT	370	371	1430	260	2.60E-02	0.14300001
TCRD009DT	371	372	120	20	2.00E-03	0.012
TCRD009DT	372	373	200	310	3.10E-02	0.02
TCRD009DT	373	374	7160	10100	1.01	0.71600002
TCRD009DT	374	375	180	90	9.00E-03	1.80E-02
TCRD009DT	375	376	90	-10	-0.001	9.00E-03
TCRD009DT	376	377	40	-10	-0.001	4.00E-03
TCRD009DT	377	378	10	-10	-0.001	0.001
TCRD009DT	378	379	30	-10	-0.001	0.003
TCRD009DT	379	380	20	-10	-0.001	2.00E-03
TCRD009DT	380	381	20	-10	-0.001	2.00E-03
TCRD009DT	381	382	20	-10	-0.001	2.00E-03
TCRD009DT	382	383	20	-10	-0.001	2.00E-03
TCRD009DT	383	384	20	-10	-0.001	2.00E-03

TCRD009DT	384	385	20	-10	-0.001	2.00E-03
TCRD009DT	385	386	20	-10	-0.001	2.00E-03
TCRD009DT	386	387	20	-10	-0.001	2.00E-03
TCRD009DT	387	388	20	-10	-0.001	2.00E-03
TCRD009DT	388	389	20	-10	-0.001	2.00E-03
TCRD009DT	389	390	30	-10	-0.001	0.003
TCRD009DT	390	391	10	-10	-0.001	0.001
TCRD009DT	391	392.10001	20	-10	-0.001	2.00E-03
TCRD016DT	85.400002	87	140	2460	0.24600001	0.014
TCRD016DT	87	89	140	1700	0.17	0.014
TCRD016DT	89	91	210	1690	0.169	0.021
TCRD016DT	91	93	200	1370	0.13699999	0.02
TCRD016DT	93	95	320	3940	0.39399999	3.20E-02
TCRD016DT	95	97	350	2730	0.273	0.035
TCRD016DT	97	99	440	170	1.70E-02	0.044
TCRD016DT	99	101	300	110	0.011	3.00E-02
TCRD016DT	101	103	840	610	6.10E-02	8.40E-02
TCRD016DT	103	105	970	220	0.022	9.70E-02
TCRD016DT	105	107	1660	2880	0.28799999	0.16599999
TCRD016DT	107	109	4480	8880	0.88800001	0.44800001
TCRD016DT	109	110	670	390	3.90E-02	6.70E-02
TCRD016DT	110	111	500	280	2.80E-02	5.00E-02
TCRD016DT	111	112	330	440	0.044	0.033
TCRD016DT	112	113	540	160	1.60E-02	5.40E-02
TCRD016DT	113	114	390	300	3.00E-02	3.90E-02
TCRD016DT	114	115	220	810	0.081	0.022
TCRD016DT	115	116	280	400	4.00E-02	2.80E-02
TCRD016DT	116	117	680	370	0.037	6.80E-02
TCRD016DT	117	118	80	130	0.013	8.00E-03
TCRD016DT	118	119	90	140	0.014	9.00E-03
TCRD016DT	119	120	300	780	7.80E-02	3.00E-02
TCRD016DT	120	121	250	690	6.90E-02	0.025
TCRD016DT	121	122	620	910	9.10E-02	6.20E-02
TCRD016DT	122	123	360	2560	0.25600001	3.60E-02
TCRD016DT	123	124	750	1980	0.198	7.50E-02
TCRD016DT	124	126	520	5240	0.52399999	5.20E-02
TCRD016DT	126	128	40	60	6.00E-03	4.00E-03
TCRD016DT	128	130	370	1080	0.108	0.037
TCRD016DT	130	132	1450	1490	0.149	0.145
TCRD016DT	132	134	880	1650	0.16500001	0.088
TCRD016DT	134	136	760	1060	0.106	7.60E-02
TCRD016DT	136	138	790	1480	0.148	7.90E-02
TCRD016DT	138	140	900	1000	0.1	9.00E-02
TCRD016DT	140	142	580	740	7.40E-02	5.80E-02
TCRD016DT	142	144	840	770	0.077	8.40E-02
TCRD016DT	144	146	1590	2020	0.20200001	0.15899999
TCRD016DT	146	148	770	730	7.30E-02	0.077
TCRD016DT	148	150	950	3520	0.352	9.50E-02
TCRD016DT	150	152	650	620	6.20E-02	6.50E-02
TCRD016DT	152	154	1820	3830	0.38299999	0.182
TCRD016DT	154	156	1650	1550	0.155	0.16500001
TCRD016DT	156	158	2010	3480	0.34799999	0.20100001
TCRD016DT	158	160	850	840	8.40E-02	8.50E-02
TCRD016DT	160	162	820	390	3.90E-02	8.20E-02
TCRD016DT	162	164	840	470	4.70E-02	8.40E-02
TCRD016DT	164	168	1270	2060	0.206	0.127
TCRD016DT	168	170	1100	1060	0.106	0.11
TCRD016DT	170	172	1690	610	6.10E-02	0.169
TCRD016DT	172	174	910	1890	0.189	9.10E-02
TCRD016DT	174	176	480	970	9.70E-02	0.048
TCRD016DT	176	178	310	1400	0.14	3.10E-02
TCRD016DT	178	179	700	3590	0.359	0.07
TCRD016DT	179	180	420	4220	0.42199999	4.20E-02

TCRD016DT	180	181	570	3790	0.37900001	0.057
TCRD016DT	181	182	690	1710	0.171	6.90E-02
TCRD016DT	182	183	370	2950	0.29499999	0.037
TCRD016DT	183	184	150	2100	0.20999999	0.015
TCRD016DT	184	185	260	3730	0.373	2.60E-02
TCRD016DT	185	186	150	3990	0.39899999	0.015
TCRD016DT	186	187	120	5520	0.55199999	0.012
TCRD016DT	187	188	100	2330	0.233	1.00E-02
TCRD016DT	188	189	160	1840	0.184	1.60E-02
TCRD016DT	189	190	410	2230	0.223	4.10E-02
TCRD016DT	190	191	40	4380	0.43799999	4.00E-03
TCRD016DT	191	192	30	2830	0.28299999	0.003
TCRD016DT	192	193	50	3620	0.36199999	5.00E-03
TCRD016DT	193	194	100	4810	0.48100001	1.00E-02
TCRD016DT	194	195	140	3760	0.37599999	0.014
TCRD016DT	195	196	420	9400	0.94	4.20E-02
TCRD016DT	196	197	110	3280	0.32800001	0.011
TCRD016DT	197	198	690	11750	1.175	6.90E-02
TCRD016DT	198	199	110	3950	0.39500001	0.011
TCRD016DT	199	200	130	760	7.60E-02	0.013
TCRD016DT	200	201	200	900	9.00E-02	0.02
TCRD016DT	201	202	200	4550	0.45500001	0.02
TCRD016DT	202	203	650	5390	0.53899997	6.50E-02
TCRD016DT	203	204	170	1300	0.13	1.70E-02
TCRD016DT	204	205	180	1370	0.13699999	1.80E-02
TCRD016DT	205	206	110	4930	0.493	0.011
TCRD016DT	206	207	330	2840	0.28400001	0.033
TCRD016DT	207	208	200	830	8.30E-02	0.02
TCRD016DT	208	209	190	870	8.70E-02	1.90E-02
TCRD016DT	209	210	180	2590	0.259	1.80E-02
TCRD016DT	210	211	230	630	6.30E-02	0.023
TCRD016DT	211	212	230	1620	0.162	0.023
TCRD016DT	212	213	170	5080	0.50800002	1.70E-02
TCRD016DT	213	214	300	2420	0.242	3.00E-02
TCRD016DT	214	215	530	2020	0.20200001	5.30E-02
TCRD016DT	215	216	130	4700	0.47	0.013
TCRD016DT	216	217	3630	8580	0.85799998	0.36300001
TCRD016DT	217	218	2890	11000	1.1	0.289
TCRD016DT	218	219	60	1610	0.161	6.00E-03
TCRD016DT	219	220	50	5850	0.58499998	5.00E-03
TCRD016DT	220	221	40	3280	0.32800001	4.00E-03
TCRD016DT	221	222	280	2160	0.21600001	2.80E-02
TCRD016DT	222	223	290	19150	1.915	2.90E-02
TCRD016DT	223	224	90	1430	0.14300001	9.00E-03
TCRD016DT	224	225	60	410	4.10E-02	6.00E-03
TCRD016DT	225	226	120	5990	0.59899998	0.012
TCRD016DT	226	227	140	1490	0.149	0.014
TCRD016DT	227	228	170	1570	0.15700001	1.70E-02
TCRD016DT	228	229	170	2640	0.264	1.70E-02
TCRD016DT	229	230	140	510	5.10E-02	0.014
TCRD016DT	230	231	130	840	8.40E-02	0.013
TCRD016DT	231	232	150	1040	0.104	0.015
TCRD016DT	232	233	140	520	5.20E-02	0.014
TCRD016DT	233	234	210	1640	0.164	0.021
TCRD016DT	234	235	300	4740	0.47400001	3.00E-02
TCRD016DT	235	236	100	2200	0.22	1.00E-02
TCRD016DT	236	237	70	3580	0.35800001	7.00E-03
TCRD016DT	237	238	260	6070	0.60699999	2.60E-02
TCRD016DT	238	239	90	1100	0.11	9.00E-03
TCRD016DT	239	240	120	2230	0.223	0.012
TCRD016DT	240	241	70	4140	0.414	7.00E-03
TCRD016DT	241	242	120	1370	0.13699999	0.012
TCRD016DT	242	243	150	920	0.092	0.015

TCRD016DT	243	244	160	350	0.035	1.60E-02
TCRD016DT	244	245	170	810	0.081	1.70E-02
TCRD016DT	245	246	220	140	0.014	0.022
TCRD016DT	246	247	230	4700	0.47	0.023
TCRD016DT	247	248	330	880	0.088	0.033
TCRD016DT	248	249	140	350	0.035	0.014
TCRD016DT	249	250	240	520	5.20E-02	0.024
TCRD016DT	250	251	150	180	1.80E-02	0.015
TCRD016DT	251	252	170	550	0.055	1.70E-02
TCRD016DT	252	253	130	270	2.70E-02	0.013
TCRD016DT	253	254	150	330	0.033	0.015
TCRD016DT	254	255	190	60	6.00E-03	1.90E-02
TCRD016DT	255	256	180	200	0.02	1.80E-02
TCRD016DT	256	257	190	180	1.80E-02	1.90E-02
TCRD016DT	257	258	180	210	0.021	1.80E-02
TCRD016DT	258	259	250	220	0.022	0.025
TCRD016DT	259	260	170	100	1.00E-02	1.70E-02
TCRD016DT	260	261	50	40	4.00E-03	5.00E-03
TCRD016DT	261	262	100	220	0.022	1.00E-02
TCRD016DT	262	263	70	60	6.00E-03	7.00E-03
TCRD016DT	263	264	80	130	0.013	8.00E-03
TCRD016DT	264	265	1310	810	0.081	0.131
TCRD016DT	265	266	1330	1230	0.123	0.133
TCRD016DT	266	267	130	150	0.015	0.013
TCRD016DT	267	268	140	630	6.30E-02	0.014
TCRD016DT	268	269	260	2160	0.21600001	2.60E-02
TCRD016DT	269	270	250	2240	0.22400001	0.025
TCRD016DT	270	271	190	1270	0.127	1.90E-02
TCRD016DT	271	272	1670	950	9.50E-02	0.167
TCRD016DT	272	273	140	330	0.033	0.014
TCRD016DT	273	274	220	1760	0.176	0.022
TCRD016DT	274	275	170	200	0.02	1.70E-02
TCRD016DT	275	276	150	240	0.024	0.015
TCRD016DT	276	277	1140	610	6.10E-02	0.114
TCRD016DT	277	278	190	240	0.024	1.90E-02
TCRD016DT	278	279	90	170	1.70E-02	9.00E-03
TCRD016DT	279	280	70	730	7.30E-02	7.00E-03
TCRD016DT	280	281	90	1020	0.102	9.00E-03
TCRD016DT	281	282	80	210	0.021	8.00E-03
TCRD016DT	282	283	110	320	3.20E-02	0.011
TCRD016DT	283	284	120	680	6.80E-02	0.012
TCRD016DT	284	285	70	200	0.02	7.00E-03
TCRD016DT	285	286	680	1090	0.109	6.80E-02
TCRD016DT	286	287	180	610	6.10E-02	1.80E-02
TCRD016DT	287	288	230	1050	0.105	0.023
TCRD016DT	288	289	1200	1650	0.16500001	0.12
TCRD016DT	289	290	650	1160	0.116	6.50E-02
TCRD016DT	290	291	340	50	5.00E-03	3.40E-02
TCRD016DT	291	292	340	120	0.012	3.40E-02
TCRD016DT	292	293	1000	60	6.00E-03	0.1
TCRD016DT	293	294	100	90	9.00E-03	1.00E-02
TCRD016DT	294	295	80	90	9.00E-03	8.00E-03
TCRD016DT	295	296	60	20	2.00E-03	6.00E-03
TCRD016DT	296	297	40	10	0.001	4.00E-03
TCRD016DT	297	298	40	10	0.001	4.00E-03
TCRD016DT	298	299	40	10	0.001	4.00E-03
TCRD016DT	299	300	40	-10	-0.001	4.00E-03
TCRD016DT	300	301	40	10	0.001	4.00E-03
TCRD016DT	301	302	30	10	0.001	0.003
TCRD016DT	302	303	40	40	4.00E-03	4.00E-03
TCRD016DT	303	304	40	10	0.001	4.00E-03
TCRD016DT	304	305	50	20	2.00E-03	5.00E-03
TCRD016DT	305	306	40	10	0.001	4.00E-03

TCRD016DT	306	307	40	10	0.001	4.00E-03
TCRD016DT	307	308.10001	50	10	0.001	5.00E-03
TCRD018DT	81.300003	82	4770	20700	2.0699999	0.477
TCRD018DT	83	84	1510	2600	0.25999999	0.15099999
TCRD018DT	84	87	830	1900	0.19	8.30E-02
TCRD018DT	87	88	590	930	9.30E-02	0.059
TCRD018DT	88	89	1270	3200	0.31999999	0.127
TCRD018DT	89	90	1650	5870	0.58700001	0.16500001
TCRD018DT	90	91	2230	3060	0.30599999	0.223
TCRD018DT	91	92	2350	16000	1.6	0.235
TCRD018DT	92	93	840	8930	0.89300001	8.40E-02
TCRD018DT	93	94	220	3010	0.301	0.022
TCRD018DT	94	95	460	8600	0.86000001	0.046
TCRD018DT	95	96	200	5540	0.55400002	0.02
TCRD018DT	97	98	400	4740	0.47400001	4.00E-02
TCRD018DT	98	99	380	690	6.90E-02	3.80E-02
TCRD018DT	99	100	520	1230	0.123	5.20E-02
TCRD018DT	101	102	1710	18700	1.87	0.171
TCRD018DT	102	103	1470	10200	1.02	0.147
TCRD018DT	103	104	460	1180	0.118	0.046
TCRD018DT	105	106	230	990	9.90E-02	0.023
TCRD018DT	106	107	90	160	1.60E-02	9.00E-03
TCRD018DT	107	108	130	390	3.90E-02	0.013
TCRD018DT	108	109	100	270	2.70E-02	1.00E-02
TCRD018DT	109	110	180	700	0.07	1.80E-02
TCRD018DT	110	111	120	250	0.025	0.012
TCRD018DT	111	112	410	1650	0.16500001	4.10E-02
TCRD018DT	113	114	1270	6080	0.60799998	0.127
TCRD018DT	114	115	270	3130	0.31299999	2.70E-02
TCRD018DT	115	116	920	4500	0.44999999	0.092
TCRD018DT	116	117	1010	4020	0.40200001	0.101
TCRD018DT	117	118	340	1150	0.115	3.40E-02
TCRD018DT	118	119	330	5380	0.53799999	0.033
TCRD018DT	119	120	410	2740	0.27399999	4.10E-02
TCRD018DT	120	121	450	8540	0.85399997	4.50E-02
TCRD018DT	121	122	210	8520	0.852	0.021
TCRD018DT	122	123	1080	21000	2.0999999	0.108
TCRD018DT	123	124	2790	26600	2.6600001	0.27900001
TCRD018DT	124	125	350	6370	0.63700002	0.035
TCRD018DT	125	126	700	18800	1.88	0.07
TCRD018DT	126	127	460	10800	1.08	0.046
TCRD018DT	127	128	2180	24600	2.46	0.21799999
TCRD018DT	128	129	2330	20600	2.0599999	0.233
TCRD018DT	129	130	650	5710	0.57099998	6.50E-02
TCRD018DT	130	131	1400	6090	0.60900003	0.14
TCRD018DT	132	133	170	1900	0.19	1.70E-02
TCRD018DT	133	134	330	4180	0.41800001	0.033
TCRD018DT	134	135	920	2560	0.25600001	0.092
TCRD018DT	135	136	100	270	2.70E-02	1.00E-02
TCRD018DT	136	137	220	670	6.70E-02	0.022
TCRD018DT	137	138	480	1280	0.12800001	0.048
TCRD018DT	139	140	440	840	8.40E-02	0.044
TCRD018DT	140	141	380	2040	0.204	3.80E-02
TCRD018DT	141	142	430	1370	0.13699999	4.30E-02
TCRD018DT	142	143	1100	4190	0.419	0.11
TCRD018DT	143	144	4300	43500	4.3499999	0.43000001
TCRD018DT	144	145	2070	17700	1.77	0.207
TCRD018DT	145	146	480	1910	0.191	0.048
TCRD018DT	146	147	2160	6970	0.69700003	0.21600001
TCRD018DT	147	148	1120	5500	0.55000001	0.112
TCRD018DT	148	149	4130	22000	2.2	0.41299999
TCRD018DT	149	150	13450	45000	4.5	1.345
TCRD018DT	150	151	2780	26100	2.6099999	0.278

TCRD018DT	151	152	1930	23900	2.3900001	0.193
TCRD018DT	152	153	1530	18600	1.86	0.153
TCRD018DT	153	154	5030	17900	1.79	0.50300002
TCRD018DT	154	155	9820	44600	4.46	0.98199999
TCRD018DT	155	156	2090	17100	1.71	0.20900001
TCRD018DT	158	159	1440	6130	0.61299998	0.14399999
TCRD018DT	159	160	2290	6300	0.63	0.229
TCRD018DT	160	161	760	5590	0.55900002	7.60E-02
TCRD018DT	161	162	480	2700	0.27000001	0.048
TCRD018DT	162	163	330	1890	0.189	0.033
TCRD018DT	163	164	260	6540	0.65399998	2.60E-02
TCRD018DT	168	169	180	1290	0.12899999	1.80E-02
TCRD018DT	169	170	550	3780	0.37799999	0.055
TCRD018DT	170	171	800	6170	0.61699998	8.00E-02
TCRD018DT	171	172	2440	4710	0.47099999	0.244
TCRD018DT	172	173	560	5170	0.51700002	5.60E-02
TCRD018DT	173	174	210	7030	0.70300001	0.021
TCRD018DT	174	175	360	4700	0.47	3.60E-02
TCRD018DT	175	176	1160	5330	0.53299999	0.116
TCRD018DT	176	177	1080	8380	0.838	0.108
TCRD018DT	179	180	110	4580	0.458	0.011
TCRD018DT	180	181	490	5400	0.54000002	4.90E-02
TCRD018DT	181	182	330	12350	1.235	0.033
TCRD018DT	182	183	610	7750	0.77499998	6.10E-02
TCRD018DT	183	184	820	9230	0.92299998	8.20E-02
TCRD018DT	184	185	760	13000	1.3	7.60E-02
TCRD018DT	185	186	2600	13500	1.35	0.25999999
TCRD018DT	186	187	3620	14700	1.47	0.36199999
TCRD018DT	187	188	170	4150	0.41499999	1.70E-02
TCRD018DT	188	189	7820	28000	2.8	0.78200001
TCRD018DT	189	190	13250	21700	2.1700001	1.325
TCRD018DT	190	191	3440	9200	0.92000002	0.34400001
TCRD018DT	191	192	5350	15600	1.5599999	0.53500003
TCRD018DT	192	193	2400	18300	1.83	0.23999999
TCRD018DT	193	194	8620	13300	1.33	0.86199999
TCRD018DT	194	195	3470	25500	2.55	0.347
TCRD018DT	195	196	8560	16800	1.6799999	0.85600001
TCRD018DT	196	197	9330	30600	3.0599999	0.93300003
TCRD018DT	197	198	13050	29700	2.97	1.3049999
TCRD018DT	198	199	1340	17700	1.77	0.134
TCRD018DT	199	200	720	15700	1.5700001	7.20E-02
TCRD018DT	200	201	960	13300	1.33	9.60E-02
TCRD018DT	201	202	450	15100	1.51	4.50E-02
TCRD018DT	202	203	5350	24300	2.4300001	0.53500003
TCRD018DT	203	204	3240	9440	0.94400001	0.324
TCRD018DT	204	205	3430	12400	1.24	0.34299999
TCRD018DT	205	206	4770	11700	1.17	0.477
TCRD018DT	206	207	3850	12300	1.23	0.38499999
TCRD018DT	207	208	8180	17400	1.74	0.81800002
TCRD018DT	208	209	8250	23300	2.3299999	0.82499999
TCRD018DT	209	210	1640	26100	2.6099999	0.164
TCRD018DT	210	211	810	6350	0.63499999	0.081
TCRD018DT	211	212	2080	5130	0.51300001	0.208
TCRD018DT	212	213	2060	16300	1.63	0.206
TCRD018DT	213	214	1160	15100	1.51	0.116
TCRD018DT	214	215	4990	23000	2.3	0.49900001
TCRD018DT	215	216	890	24300	2.4300001	8.90E-02
TCRD018DT	216	217	2770	14450	1.4450001	0.27700001
TCRD018DT	217	218	2690	12350	1.235	0.26899999
TCRD018DT	218	219	800	10550	1.0549999	8.00E-02
TCRD018DT	219	220	570	20100	2.01	0.057
TCRD018DT	220	221	16650	32900	3.29	1.665
TCRD018DT	221	222	13250	27100	2.71	1.325

TCRD018DT	222	223	6400	33100	3.3099999	0.63999999
TCRD018DT	223	224	3590	17600	1.76	0.359
TCRD018DT	224	225	1250	12950	1.295	0.125
TCRD018DT	225	226	240	21000	2.0999999	0.024
TCRD018DT	226	227	1090	15800	1.58	0.109
TCRD018DT	227	228	520	12500	1.25	5.20E-02
TCRD018DT	228	229	200	11500	1.15	0.02
TCRD018DT	229	230	5190	33400	3.3399999	0.51899999
TCRD018DT	230	231	1340	7820	0.78200001	0.134
TCRD018DT	231	232	300	14000	1.4	3.00E-02
TCRD018DT	232	233	220	9800	0.98000002	0.022
TCRD018DT	233	234	150	11250	1.125	0.015
TCRD018DT	234	235	120	14750	1.475	0.012
TCRD018DT	235	236	90	13100	1.3099999	9.00E-03
TCRD018DT	236	237	4760	21000	2.0999999	0.47600001
TCRD018DT	237	238	2180	8550	0.85500002	0.21799999
TCRD018DT	238	239	690	21600	2.1600001	6.90E-02
TCRD018DT	239	240	280	10550	1.0549999	2.80E-02
TCRD018DT	240	241	60	9030	0.903	6.00E-03
TCRD018DT	241	242	40	14050	1.405	4.00E-03
TCRD018DT	242	243	30	7710	0.77100003	0.003
TCRD018DT	243	244	20	10600	1.0599999	2.00E-03
TCRD018DT	244	245	30	11100	1.11	0.003
TCRD018DT	245	246	20	13600	1.36	2.00E-03
TCRD018DT	246	247	50	7700	0.76999998	5.00E-03
TCRD018DT	247	248	170	8680	0.86799997	1.70E-02
TCRD018DT	248	249	20	7370	0.73699999	2.00E-03
TCRD018DT	249	250	20	4880	0.48800001	2.00E-03
TCRD018DT	250	252	50	6390	0.639	5.00E-03
TCRD018	251	252	20	2440	0.244	2.00E-03
TCRD018DT	252	253	40	6690	0.66900003	4.00E-03
TCRD018DT	253	254	20	510	5.10E-02	2.00E-03
TCRD018DT	254	255	30	3770	0.377	0.003
TCRD018DT	255	256	20	4380	0.43799999	2.00E-03
TCRD018DT	256	257	20	870	8.70E-02	2.00E-03
TCRD018DT	257	258	80	4280	0.428	8.00E-03
TCRD018DT	258	259	50	32100	3.21	5.00E-03
TCRD018DT	259	260	90	50000	5	9.00E-03
TCRD018DT	260	261	12100	71500	7.1500001	1.21
TCRD018DT	261	262	6380	49100	4.9099998	0.63800001
TCRD018DT	262	263	1650	15400	1.54	0.16500001
TCRD018DT	263	264	120	4060	0.40599999	0.012
TCRD018DT	264	265	80	2730	0.273	8.00E-03
TCRD018DT	265	266	40	5080	0.50800002	4.00E-03
TCRD018DT	266	267	160	4010	0.40099999	1.60E-02
TCRD018DT	267	268	50	3750	0.375	5.00E-03
TCRD018DT	268	269	40	3260	0.32600001	4.00E-03
TCRD018DT	269	270	20	3560	0.35600001	2.00E-03
TCRD018DT	270	271	40	3590	0.359	4.00E-03
TCRD018DT	271	272	330	6230	0.62300003	0.033
TCRD018DT	272	273	380	1880	0.18799999	3.80E-02
TCRD018DT	273	274	450	5420	0.542	4.50E-02
TCRD018DT	274	275	30	1080	0.108	0.003
TCRD018DT	275	276	40	2920	0.292	4.00E-03
TCRD018DT	276	277	80	15500	1.55	8.00E-03
TCRD018DT	277	278	60	19300	1.9299999	6.00E-03
TCRD018DT	278	279	110	12600	1.26	0.011
TCRD018DT	279	280	60	28500	2.8499999	6.00E-03
TCRD018DT	280	281	60	32600	3.26	6.00E-03
TCRD018DT	281	282	110	30600	3.0599999	0.011
TCRD018DT	282	283	90	16500	1.65	9.00E-03
TCRD018DT	283	284	30	6850	0.685	0.003
TCRD018DT	284	285	60	2840	0.28400001	6.00E-03

TCRD018DT	285	286	40	4900	0.49000001	4.00E-03
TCRD018DT	286	287	1680	8790	0.87900001	0.168
TCRD018DT	287	288	40	6680	0.66799998	4.00E-03
TCRD018DT	288	289	30	1760	0.176	0.003
TCRD018DT	289	290	30	200	0.02	0.003
TCRD018DT	290	291	30	5510	0.551	0.003
TCRD018DT	291	292	60	3170	0.317	6.00E-03
TCRD018DT	292	293	100	3860	0.38600001	1.00E-02
TCRD018DT	293	294	280	3000	0.30000001	2.80E-02
TCRD018DT	294	295	660	8980	0.898	0.066
TCRD018DT	295	296	130	17800	1.78	0.013
TCRD018DT	296	297	70	21500	2.1500001	7.00E-03
TCRD018DT	297	298	40	5520	0.55199999	4.00E-03
TCRD018DT	298	299	50	15400	1.54	5.00E-03
TCRD018DT	299	300	40	1610	0.161	4.00E-03
TCRD018DT	300	301	40	2300	0.23	4.00E-03
TCRD018DT	301	302	30	4520	0.45199999	0.003
TCRD018DT	302	303	40	8120	0.81199998	4.00E-03
TCRD018DT	303	304	120	6740	0.67400002	0.012
TCRD018DT	304	305	30	5070	0.50700003	0.003
TCRD018DT	305	306	50	3350	0.33500001	5.00E-03
TCRD018DT	306	307	40	8200	0.81999999	4.00E-03
TCRD018DT	307	308	50	8120	0.81199998	5.00E-03
TCRD018DT	308	309	70	5560	0.55599999	7.00E-03
TCRD018DT	309	310	40	5860	0.58600003	4.00E-03
TCRD018DT	310	311	50	10200	1.02	5.00E-03
TCRD018DT	311	312	30	2690	0.26899999	0.003
TCRD018DT	312	313	30	1100	0.11	0.003
TCRD018DT	313	314	30	710	7.10E-02	0.003
TCRD018DT	314	315	60	26600	2.6600001	6.00E-03
TCRD018DT	315	316	70	20800	2.0799999	7.00E-03
TCRD018DT	316	317	20	2000	0.2	2.00E-03
TCRD018DT	317	318	30	17500	1.75	0.003
TCRD018DT	318	319	30	2960	0.296	0.003
TCRD018DT	319	320	30	6240	0.62400001	0.003
TCRD018DT	320	321	490	10000	1	4.90E-02
TCRD018DT	321	322	2750	14200	1.42	0.27500001
TCRD018DT	322	323	60	10200	1.02	6.00E-03
TCRD018DT	323	324	50	8640	0.86400002	5.00E-03
TCRD018DT	324	325	30	6580	0.65799999	0.003
TCRD018DT	325	326	40	8790	0.87900001	4.00E-03
TCRD018DT	326	327	370	15600	1.5599999	0.037
TCRD018DT	327	328	100	21300	2.1300001	1.00E-02
TCRD018DT	328	329	50	4290	0.42899999	5.00E-03
TCRD018DT	329	330	560	8450	0.84500003	5.60E-02
TCRD018DT	330	331	20	4230	0.42300001	2.00E-03
TCRD018DT	331	332	20	1200	0.12	2.00E-03
TCRD018DT	332	333	70	22800	2.28	7.00E-03
TCRD018DT	333	334	90	7230	0.72299999	9.00E-03
TCRD018DT	334	335	60	6420	0.64200002	6.00E-03
TCRD018DT	335	336	30	4810	0.48100001	0.003
TCRD018DT	336	337	20	3250	0.32499999	2.00E-03
TCRD018DT	337	338	780	60000	6	7.80E-02
TCRD018DT	338	339	50	13400	1.34	5.00E-03
TCRD018DT	339	340	100	15100	1.51	1.00E-02
TCRD018DT	340	341	40	12000	1.2	4.00E-03
TCRD018DT	341	342	30	11000	1.1	0.003
TCRD018DT	342	343	50	21400	2.1400001	5.00E-03
TCRD018DT	343	344	40	9420	0.94199997	4.00E-03
TCRD018DT	344	345	30	5550	0.55500001	0.003
TCRD018DT	345	346	30	2460	0.24600001	0.003
TCRD018DT	346	347	20	1600	0.16	2.00E-03
TCRD018DT	347	348	30	2820	0.28200001	0.003

TCRD018DT	348	349	930	28600	2.8599999	9.30E-02
TCRD018DT	349	350	30	2530	0.25299999	0.003
TCRD018DT	350	351	60	2500	0.25	6.00E-03
TCRD018DT	351	352	40	3540	0.354	4.00E-03
TCRD018DT	352	353	40	5060	0.50599998	4.00E-03
TCRD018DT	353	354	30	3690	0.36899999	0.003
TCRD018DT	354	355	20	3140	0.31400001	2.00E-03
TCRD018DT	355	356	30	2740	0.27399999	0.003
TCRD018DT	356	357	30	3600	0.36000001	0.003
TCRD018DT	357	358	30	3670	0.36700001	0.003
TCRD018DT	358	359	290	4960	0.49599999	2.90E-02
TCRD018DT	359	360	30	3080	0.308	0.003
TCRD018DT	360	361	30	2190	0.219	0.003
TCRD018DT	361	362	20	5110	0.51099998	2.00E-03
TCRD018DT	362	363	30	4500	0.44999999	0.003
TCRD018DT	363	364	80	34800	3.48	8.00E-03
TCRD018DT	364	365	30	3140	0.31400001	0.003
TCRD018DT	365	366	30	5150	0.51499999	0.003
TCRD018DT	366	367	110	3720	0.37200001	0.011
TCRD018DT	367	368	1790	6250	0.625	0.17900001
TCRD018DT	368	369	40	6490	0.64899999	4.00E-03
TCRD018DT	369	370	50	3420	0.34200001	5.00E-03
TCRD018DT	370	371	30	3410	0.34099999	0.003
TCRD018DT	371	372	30	4320	0.43200001	0.003
TCRD018DT	372	373	30	3510	0.35100001	0.003
TCRD018DT	373	374	310	5120	0.51200002	3.10E-02
TCRD018DT	374	375	40	7520	0.75199997	4.00E-03
TCRD018DT	375	376	30	5860	0.58600003	0.003
TCRD018DT	376	377	30	4420	0.442	0.003
TCRD018DT	377	378	30	5210	0.52100003	0.003
TCRD018DT	378	379	110	4040	0.40400001	0.011
TCRD018DT	379	380	20	3800	0.38	2.00E-03
TCRD018DT	380	381	140	13150	1.3150001	0.014
TCRD018DT	381	382	690	9500	0.94999999	6.90E-02
TCRD018DT	382	383	420	7570	0.75700003	4.20E-02
TCRD018DT	383	384	90	11450	1.145	9.00E-03
TCRD018DT	384	385	40	6190	0.61900002	4.00E-03
TCRD018DT	385	386	50	11150	1.115	5.00E-03
TCRD018DT	386	387	30	6000	0.60000002	0.003
TCRD018DT	387	388	20	4370	0.43700001	2.00E-03
TCRD018DT	388	389	40	5910	0.59100002	4.00E-03
TCRD018DT	389	390	60	12250	1.225	6.00E-03
TCRD018DT	390	391	40	7020	0.70200002	4.00E-03
TCRD018DT	391	393	40	610	6.10E-02	4.00E-03
TCRD018DT	393	395	30	130	0.013	0.003
TCRD018DT	395	397	10	180	1.80E-02	0.001
TCRD018DT	397	399	20	210	0.021	2.00E-03
TCRD018DT	399	401	60	60	6.00E-03	6.00E-03
TCRD018DT	401	403	560	1020	0.102	5.60E-02
TCRD018DT	403	405	1410	380	3.80E-02	0.141
TCRD018DT	405	407	13350	6490	0.64899999	1.335
TCRD018DT	407	409	2340	280	2.80E-02	0.234
TCRD018DT	409	411	460	10	0.001	0.046
TCRD018DT	411	413	290	10	0.001	2.90E-02
TCRD018DT	413	415	580	230	0.023	5.80E-02
TCRD018DT	415	417	80	10	0.001	8.00E-03
TCRD018DT	417	419	50	10	0.001	5.00E-03
TCRD018DT	419	420.70001	40	10	0.001	4.00E-03
TCRD025DT	102	104	220	1100	0.11	0.022
TCRD025DT	104	106	310	1240	0.124	3.10E-02
TCRD025DT	106	108	160	170	1.70E-02	1.60E-02
TCRD025DT	108	110	200	8310	0.83099997	0.02
TCRD025DT	110	112	80	370	0.037	8.00E-03

TCRD025DT	112	114	120	660	0.066	0.012
TCRD025DT	114	116	140	1310	0.131	0.014
TCRD025DT	116	118	160	3250	0.32499999	1.60E-02
TCRD025DT	118	120	190	67500	6.75	1.90E-02
TCRD025DT	120	123	180	20600	2.0599999	1.80E-02
TCRD025DT	123	126	240	18000	1.8	0.024
TCRD025DT	126	129	880	4820	0.48199999	0.088
TCRD025DT	129	130	640	2150	0.215	6.40E-02
TCRD025DT	130	131	220	210	0.021	0.022
TCRD025DT	131	132	1020	280	2.80E-02	0.102
TCRD025DT	132	133	460	380	3.80E-02	0.046
TCRD025DT	133	135	520	770	0.077	5.20E-02
TCRD025DT	135	136	1630	4060	0.40599999	0.163
TCRD025DT	136	137	1430	900	9.00E-02	0.14300001
TCRD025DT	137	138	960	390	3.90E-02	9.60E-02
TCRD025DT	138	139	1100	570	0.057	0.11
TCRD025DT	139	140	710	390	3.90E-02	7.10E-02
TCRD025DT	140	141	520	220	0.022	5.20E-02
TCRD025DT	141	142	410	360	3.60E-02	4.10E-02
TCRD025DT	142	143	500	180	1.80E-02	5.00E-02
TCRD025DT	143	144	1030	720	7.20E-02	0.103
TCRD025DT	146	147	710	450	4.50E-02	7.10E-02
TCRD025DT	147	148	440	130	0.013	0.044
TCRD025DT	148	149	330	160	1.60E-02	0.033
TCRD025DT	149	150	340	190	1.90E-02	3.40E-02
TCRD025DT	150	151	220	4450	0.44499999	0.022
TCRD025DT	151	152	450	290	2.90E-02	4.50E-02
TCRD025DT	152	153	360	280	2.80E-02	3.60E-02
TCRD025DT	153	154	320	370	0.037	3.20E-02
TCRD025DT	154	155	400	340	3.40E-02	4.00E-02
TCRD025DT	155	156	460	1670	0.167	0.046
TCRD025DT	156	157	360	590	0.059	3.60E-02
TCRD025DT	157	158	490	100	1.00E-02	4.90E-02
TCRD025DT	158	159	390	280	2.80E-02	3.90E-02
TCRD025DT	159	160	220	180	1.80E-02	0.022
TCRD025DT	160	161	230	90	9.00E-03	0.023
TCRD025DT	161	162	330	80	8.00E-03	0.033
TCRD025DT	162	163	210	110	0.011	0.021
TCRD025DT	163	164	110	11100	1.11	0.011
TCRD025DT	164	165	80	2590	0.259	8.00E-03
TCRD025DT	165	166	90	4100	0.41	9.00E-03
TCRD025DT	166	167	90	910	9.10E-02	9.00E-03
TCRD025DT	167	168	90	5750	0.57499999	9.00E-03
TCRD025DT	168	169	250	4220	0.42199999	0.025
TCRD025DT	169	170	150	2230	0.223	0.015
TCRD025DT	170	172	260	560	5.60E-02	2.60E-02
TCRD025DT	172	174	270	1440	0.14399999	2.70E-02
TCRD025DT	174	176	230	720	7.20E-02	0.023
TCRD025DT	176	178	270	710	7.10E-02	2.70E-02
TCRD025DT	178	180	300	1280	0.12800001	3.00E-02
TCRD025DT	180	182	190	530	5.30E-02	1.90E-02
TCRD025DT	182	184	220	370	0.037	0.022
TCRD025DT	184	186	260	760	7.60E-02	2.60E-02
TCRD025DT	186	188	260	3060	0.30599999	2.60E-02
TCRD025DT	188	190	630	4900	0.49000001	6.30E-02
TCRD025DT	190	192	190	1070	0.107	1.90E-02
TCRD025DT	192	194	210	720	7.20E-02	0.021
TCRD025DT	194	196	1550	8070	0.80699998	0.155
TCRD025DT	196	198	270	2250	0.22499999	2.70E-02
TCRD025DT	198	200	440	2060	0.206	0.044
TCRD025DT	200	202	180	1560	0.156	1.80E-02
TCRD025DT	202	204	190	600	6.00E-02	1.90E-02
TCRD025DT	204	206	160	200	0.02	1.60E-02

TCRD025DT	206	208	190	140	0.014	1.90E-02
TCRD025DT	208	210	240	650	6.50E-02	0.024
TCRD025DT	210	212	210	130	0.013	0.021
TCRD025DT	212	214	140	60	6.00E-03	0.014
TCRD025DT	214	215	160	580	5.80E-02	1.60E-02
TCRD025DT	215	216	220	540	5.40E-02	0.022
TCRD025DT	216	217	240	130	0.013	0.024
TCRD025DT	217	218	350	210	0.021	0.035
TCRD025DT	218	219	270	200	0.02	2.70E-02
TCRD025DT	219	220	450	810	0.081	4.50E-02
TCRD025DT	220	221	220	350	0.035	0.022
TCRD025DT	221	222	160	130	0.013	1.60E-02
TCRD025DT	222	223	210	140	0.014	0.021
TCRD025DT	223	224	210	360	3.60E-02	0.021
TCRD025DT	224	225	210	110	0.011	0.021
TCRD025DT	225	226	210	130	0.013	0.021
TCRD025DT	226	227	200	140	0.014	0.02
TCRD025DT	227	228	130	150	0.015	0.013
TCRD025DT	228	229	150	190	1.90E-02	0.015
TCRD025DT	229	230	180	90	9.00E-03	1.80E-02
TCRD025DT	230	231	160	130	0.013	1.60E-02
TCRD025DT	231	232	220	370	0.037	0.022
TCRD025DT	232	233	170	110	0.011	1.70E-02
TCRD025DT	233	234	230	150	0.015	0.023
TCRD025DT	234	235	150	180	1.80E-02	0.015
TCRD025DT	235	236	70	180	1.80E-02	7.00E-03
TCRD025DT	236	237	130	60	6.00E-03	0.013
TCRD025DT	237	238	290	140	0.014	2.90E-02
TCRD025DT	238	239	1210	200	0.02	0.121
TCRD025DT	239	240	260	390	3.90E-02	2.60E-02
TCRD025DT	240	241	150	150	0.015	0.015
TCRD025DT	241	242	140	210	0.021	0.014
TCRD025DT	242	243	120	150	0.015	0.012
TCRD025DT	243	244	200	150	0.015	0.02
TCRD025DT	244	245	220	150	0.015	0.022
TCRD025DT	245	246	280	130	0.013	2.80E-02
TCRD025DT	246	247	340	130	0.013	3.40E-02
TCRD025DT	247	248	250	120	0.012	0.025
TCRD025DT	248	249	400	510	5.10E-02	4.00E-02
TCRD025DT	249	250	600	650	6.50E-02	6.00E-02
TCRD025DT	250	251	450	900	9.00E-02	4.50E-02
TCRD025DT	251	252	280	290	2.90E-02	2.80E-02
TCRD025DT	252	253	320	170	1.70E-02	3.20E-02
TCRD025DT	253	254	230	190	1.90E-02	0.023
TCRD025DT	254	255	170	110	0.011	1.70E-02
TCRD025DT	255	256	120	180	1.80E-02	0.012
TCRD025DT	256	257	90	150	0.015	9.00E-03
TCRD025DT	257	258	80	130	0.013	8.00E-03
TCRD025DT	258	259	90	100	1.00E-02	9.00E-03
TCRD025DT	259	260	100	210	0.021	1.00E-02
TCRD025DT	260	261	90	830	8.30E-02	9.00E-03
TCRD025DT	261	262	70	320	3.20E-02	7.00E-03
TCRD025DT	262	263	50	360	3.60E-02	5.00E-03
TCRD025DT	263	264	90	2280	0.228	9.00E-03
TCRD025DT	264	265	100	360	3.60E-02	1.00E-02
TCRD025DT	265	266	210	760	7.60E-02	0.021
TCRD025DT	266	267	190	490	4.90E-02	1.90E-02
TCRD025DT	267	269	480	1010	0.101	0.048
TCRD025DT	289	289.79999	120	10	0.001	0.012
TCRD025DT	269	270	650	110	0.011	6.50E-02
TCRD025DT	270	271	320	50	5.00E-03	3.20E-02
TCRD025DT	271	272	220	60	6.00E-03	0.022
TCRD025DT	272	273	180	40	4.00E-03	1.80E-02

TCRD025DT	273	274	120	40	4.00E-03	0.012
TCRD025DT	274	275	140	100	1.00E-02	0.014
TCRD025DT	275	276	80	10	0.001	8.00E-03
TCRD025DT	276	277	150	20	2.00E-03	0.015
TCRD025DT	277	278	100	10	0.001	1.00E-02
TCRD025DT	278	279	110	-10	-0.001	0.011
TCRD025DT	279	280	120	10	0.001	0.012
TCRD025DT	280	281	100	20	2.00E-03	1.00E-02
TCRD025DT	281	282	90	20	2.00E-03	9.00E-03
TCRD025DT	282	283	90	20	2.00E-03	9.00E-03
TCRD025DT	283	284	100	20	2.00E-03	1.00E-02
TCRD025DT	284	285	110	20	2.00E-03	0.011
TCRD025DT	285	286	130	20	2.00E-03	0.013
TCRD025DT	286	287	130	20	2.00E-03	0.013
TCRD025DT	287	288	120	20	2.00E-03	0.012
TCRD025DT	288	289	130	10	0.001	0.013
TCRD026DT	72	74	360	1620	0.162	3.60E-02
TCRD026DT	74	76	830	1850	0.185	8.30E-02
TCRD026DT	76	78	1730	4050	0.405	0.17299999
TCRD026DT	78	80	10600	15400	1.54	1.0599999
TCRD026DT	80	82	530	2340	0.234	5.30E-02
TCRD026DT	82	84	1300	3500	0.34999999	0.13
TCRD026DT	84	86	400	1330	0.133	4.00E-02
TCRD026DT	86	88	580	1800	0.18000001	5.80E-02
TCRD026DT	88	89	950	2990	0.29899999	9.50E-02
TCRD026DT	89	90	2500	8600	0.86000001	0.25
TCRD026DT	90	91	1130	4700	0.47	0.113
TCRD026DT	91	92	3390	52600	5.2600002	0.33899999
TCRD026DT	93	94	950	6350	0.63499999	9.50E-02
TCRD026DT	94	95	390	2540	0.25400001	3.90E-02
TCRD026DT	95	96	1200	5390	0.53899997	0.12
TCRD026DT	96	97	330	4960	0.49599999	0.033
TCRD026DT	97	98	270	2340	0.234	2.70E-02
TCRD026DT	98	99	530	2820	0.28200001	5.30E-02
TCRD026DT	99	100	640	2800	0.28	6.40E-02
TCRD026DT	100	101	620	3980	0.398	6.20E-02
TCRD026DT	101	102	690	1810	0.18099999	6.90E-02
TCRD026DT	102	103	1080	2430	0.243	0.108
TCRD026DT	103	104	560	2450	0.245	5.60E-02
TCRD026DT	104	106	450	1750	0.175	4.50E-02
TCRD026DT	106	107	520	2140	0.214	5.20E-02
TCRD026DT	108	109	1530	13100	1.3099999	0.153
TCRD026DT	109	110	990	14500	1.45	9.90E-02
TCRD026DT	111	112	3180	21900	2.1900001	0.31799999
TCRD026DT	112	113	1970	5530	0.55299997	0.197
TCRD026DT	114	115	2580	4270	0.42699999	0.25799999
TCRD026DT	115	116	3550	15100	1.51	0.35499999
TCRD026DT	117	118	2030	5260	0.52600002	0.20299999
TCRD026DT	118	119	190	770	0.077	1.90E-02
TCRD026DT	119	120	200	820	8.20E-02	0.02
TCRD026DT	120	121	600	2920	0.292	6.00E-02
TCRD026DT	121	122	570	4120	0.412	0.057
TCRD026DT	122	123	610	3030	0.303	6.10E-02
TCRD026DT	123	124	590	2570	0.257	0.059
TCRD026DT	124	125	1370	3010	0.301	0.13699999
TCRD026DT	125	126	640	2000	0.2	6.40E-02
TCRD026DT	126	127	4170	7840	0.78399998	0.417
TCRD026DT	127	128	1720	8740	0.87400001	0.17200001
TCRD026DT	128	129	2460	34500	3.45	0.24600001
TCRD026DT	129	130	390	3800	0.38	3.90E-02
TCRD026DT	130	131	1160	6250	0.625	0.116
TCRD026DT	131	132	620	4380	0.43799999	6.20E-02
TCRD026DT	132	133	640	8540	0.85399997	6.40E-02

TCRD026DT	133	134	590	13000	1.3	0.059
TCRD026DT	134	135	670	5550	0.55500001	6.70E-02
TCRD026DT	135	136	560	300	3.00E-02	5.60E-02
TCRD026DT	136	137	530	200	0.02	5.30E-02
TCRD026DT	137	138	370	160	1.60E-02	0.037
TCRD026DT	138	139	150	100	1.00E-02	0.015
TCRD026DT	139	140	110	120	0.012	0.011
TCRD026DT	140	141	880	1540	0.154	0.088
TCRD026DT	141	142	540	900	9.00E-02	5.40E-02
TCRD026DT	142	143	580	540	5.40E-02	5.80E-02
TCRD026DT	143	144	60	80	8.00E-03	6.00E-03
TCRD026DT	144	145	60	120	0.012	6.00E-03
TCRD026DT	145	146	600	1080	0.108	6.00E-02
TCRD026DT	146	147	70	170	1.70E-02	7.00E-03
TCRD026DT	147	148	580	1690	0.169	5.80E-02
TCRD026DT	148	149	500	1060	0.106	5.00E-02
TCRD026DT	149	150	480	700	0.07	0.048
TCRD026DT	150	151	390	740	7.40E-02	3.90E-02
TCRD026DT	151	152	740	940	9.40E-02	7.40E-02
TCRD026DT	152	153	370	640	6.40E-02	0.037
TCRD026DT	153	154	150	800	8.00E-02	0.015
TCRD026DT	154	155	170	720	7.20E-02	1.70E-02
TCRD026DT	155	156	360	1390	0.139	3.60E-02
TCRD026DT	156	157	870	2550	0.255	8.70E-02
TCRD026DT	157	158	630	2100	0.20999999	6.30E-02
TCRD026DT	158	159	560	480	0.048	5.60E-02
TCRD026DT	159	160	400	860	8.60E-02	4.00E-02
TCRD026DT	160	161	180	360	3.60E-02	1.80E-02
TCRD026DT	161	162	510	1360	0.13600001	5.10E-02
TCRD026DT	162	163	530	1760	0.176	5.30E-02
TCRD026DT	163	164	350	660	0.066	0.035
TCRD026DT	164	165	450	710	7.10E-02	4.50E-02
TCRD026DT	165	166	440	600	6.00E-02	0.044
TCRD026DT	166	167	170	360	3.60E-02	1.70E-02
TCRD026DT	167	168	330	930	9.30E-02	0.033
TCRD026DT	168	169	1450	11100	1.11	0.145
TCRD026DT	169	170	410	3120	0.31200001	4.10E-02
TCRD026DT	170	171	820	3290	0.329	8.20E-02
TCRD026DT	171	172	910	3970	0.39700001	9.10E-02
TCRD026DT	172	173	490	2170	0.21699999	4.90E-02
TCRD026DT	173	174	320	1500	0.15000001	3.20E-02
TCRD026DT	174	175	90	430	4.30E-02	9.00E-03
TCRD026DT	175	176	750	2290	0.229	7.50E-02
TCRD026DT	176	177	640	2110	0.211	6.40E-02
TCRD026DT	177	178	660	1260	0.126	0.066
TCRD026DT	178	179	500	1530	0.153	5.00E-02
TCRD026DT	179	180	190	710	7.10E-02	1.90E-02
TCRD026DT	180	181	130	540	5.40E-02	0.013
TCRD026DT	181	182	90	890	8.90E-02	9.00E-03
TCRD026DT	182	183	160	780	7.80E-02	1.60E-02
TCRD026DT	183	184	590	5760	0.57599998	0.059
TCRD026DT	184	185	300	4010	0.40099999	3.00E-02
TCRD026DT	185	186	300	4300	0.43000001	3.00E-02
TCRD026DT	186	187	1440	10700	1.0700001	0.14399999
TCRD026DT	187	188	820	4810	0.48100001	8.20E-02
TCRD026DT	188	189	2400	10250	1.025	0.23999999
TCRD026DT	189	190	1300	10200	1.02	0.13
TCRD026DT	190	191	1480	27300	2.73	0.148
TCRD026DT	191	193	1270	20500	2.05	0.127
TCRD026DT	193	194	2180	26000	2.5999999	0.21799999
TCRD026DT	194	196	1390	34100	3.4100001	0.139
TCRD026DT	196	197	610	11150	1.115	6.10E-02
TCRD026DT	197	198	440	6250	0.625	0.044

TCRD026DT	198	199	460	8090	0.80900002	0.046
TCRD026DT	199	200	290	10800	1.08	2.90E-02
TCRD026DT	200	201	780	11250	1.125	7.80E-02
TCRD026DT	201	202	690	5300	0.52999997	6.90E-02
TCRD026DT	202	203	1450	4100	0.41	0.145
TCRD026DT	203	204	1030	2980	0.29800001	0.103
TCRD026DT	204	205	830	1320	0.132	8.30E-02
TCRD026DT	205	206	210	430	4.30E-02	0.021
TCRD026DT	206	207	80	380	3.80E-02	8.00E-03
TCRD026DT	207	208	80	470	4.70E-02	8.00E-03
TCRD026DT	208	209	160	2730	0.273	1.60E-02
TCRD026DT	209	210	170	2240	0.22400001	1.70E-02
TCRD026DT	210	211	270	2900	0.28999999	2.70E-02
TCRD026DT	211	212	250	2820	0.28200001	0.025
TCRD026DT	212	213	320	1750	0.175	3.20E-02
TCRD026DT	213	214	240	970	9.70E-02	0.024
TCRD026DT	214	215	310	1700	0.17	3.10E-02
TCRD026DT	215	216	310	6230	0.62300003	3.10E-02
TCRD026DT	216	217	150	3120	0.31200001	0.015
TCRD026DT	217	218	170	760	7.60E-02	1.70E-02
TCRD026DT	218	219	130	700	0.07	0.013
TCRD026DT	219	220	110	240	0.024	0.011
TCRD026DT	220	221	130	830	8.30E-02	0.013
TCRD026DT	221	222	80	700	0.07	8.00E-03
TCRD026DT	222	223	230	1360	0.13600001	0.023
TCRD026DT	223	224	120	1610	0.161	0.012
TCRD026DT	224	225	120	3420	0.34200001	0.012
TCRD026DT	225	226	40	910	9.10E-02	4.00E-03
TCRD026DT	226	227	70	1740	0.17399999	7.00E-03
TCRD026DT	227	228	70	2240	0.22400001	7.00E-03
TCRD026DT	228	229	20	430	4.30E-02	2.00E-03
TCRD026DT	229	230	290	2080	0.208	2.90E-02
TCRD026DT	230	231	50	2040	0.204	5.00E-03
TCRD026DT	231	232	40	1680	0.168	4.00E-03
TCRD026DT	232	233	40	2820	0.28200001	4.00E-03
TCRD026DT	233	234	5210	19400	1.9400001	0.52100003
TCRD026DT	234	235	490	8910	0.89099997	4.90E-02
TCRD026DT	235	236	60	8830	0.88300002	6.00E-03
TCRD026DT	236	237	330	9840	0.98400003	0.033
TCRD026DT	237	238	70	4160	0.41600001	7.00E-03
TCRD026DT	238	239	50	7490	0.74900001	5.00E-03
TCRD026DT	239	240	70	3880	0.38800001	7.00E-03
TCRD026DT	240	241	100	4020	0.40200001	1.00E-02
TCRD026DT	241	242	90	570	0.057	9.00E-03
TCRD026DT	242	243	200	1670	0.167	0.02
TCRD026DT	243	244	120	110	0.011	0.012
TCRD026DT	244	245	130	610	6.10E-02	0.013
TCRD026DT	245	246	160	500	5.00E-02	1.60E-02
TCRD026DT	246	247	340	1320	0.132	3.40E-02
TCRD026DT	247	248	140	220	0.022	0.014
TCRD026DT	248	249	210	380	3.80E-02	0.021
TCRD026DT	249	250	220	270	2.70E-02	0.022
TCRD026DT	250	251	170	170	1.70E-02	1.70E-02
TCRD026DT	251	252	150	330	0.033	0.015
TCRD026DT	252	253	160	680	6.80E-02	1.60E-02
TCRD026DT	253	254	480	2330	0.233	0.048
TCRD026DT	254	255	200	6490	0.64899999	0.02
TCRD026DT	255	256	60	1570	0.15700001	6.00E-03
TCRD026DT	256	257	100	7620	0.76200002	1.00E-02
TCRD026DT	257	258	90	1490	0.149	9.00E-03
TCRD026DT	258	259	1140	780	7.80E-02	0.114
TCRD026DT	259	260	90	840	8.40E-02	9.00E-03
TCRD026DT	260	261	90	1750	0.175	9.00E-03

TCRD026DT	261	262	90	2100	0.20999999	9.00E-03
TCRD026DT	262	263	100	1390	0.139	1.00E-02
TCRD026DT	263	264	230	2660	0.266	0.023
TCRD026DT	264	265	170	2890	0.289	1.70E-02
TCRD026DT	265	266	90	540	5.40E-02	9.00E-03
TCRD026DT	266	267	110	510	5.10E-02	0.011
TCRD026DT	267	268	90	570	0.057	9.00E-03
TCRD026DT	268	269	100	240	0.024	1.00E-02
TCRD026DT	269	270	150	510	5.10E-02	0.015
TCRD026DT	270	271	240	460	0.046	0.024
TCRD026DT	271	272	320	330	0.033	3.20E-02
TCRD026DT	272	273	280	760	7.60E-02	2.80E-02
TCRD026DT	273	274	230	290	2.90E-02	0.023
TCRD026DT	274	275	250	740	7.40E-02	0.025
TCRD026DT	275	276	350	580	5.80E-02	0.035
TCRD026DT	276	277	180	190	1.90E-02	1.80E-02
TCRD026DT	277	278	210	620	6.20E-02	0.021
TCRD026DT	278	279	170	310	3.10E-02	1.70E-02
TCRD026DT	279	280	220	910	9.10E-02	0.022
TCRD026DT	280	281	180	950	9.50E-02	1.80E-02
TCRD026DT	281	282	200	1650	0.16500001	0.02
TCRD026DT	282	283	240	3870	0.38699999	0.024
TCRD026DT	283	284	210	14900	1.49	0.021
TCRD026DT	284	285	1290	8690	0.86900002	0.12899999
TCRD026DT	285	286	690	11400	1.14	6.90E-02
TCRD026DT	286	287	140	1990	0.199	0.014
TCRD026DT	287	288	330	3730	0.373	0.033
TCRD026DT	288	289	180	1260	0.126	1.80E-02
TCRD026DT	289	290	150	2040	0.204	0.015
TCRD026DT	290	291	260	1300	0.13	2.60E-02
TCRD026DT	291	292	210	1580	0.15800001	0.021
TCRD026DT	292	293	190	2850	0.285	1.90E-02
TCRD026DT	293	294	140	190	1.90E-02	0.014
TCRD026DT	294	295	210	810	0.081	0.021
TCRD026DT	295	296	360	810	0.081	3.60E-02
TCRD026DT	296	297	250	970	9.70E-02	0.025
TCRD026DT	297	298	250	5200	0.51999998	0.025
TCRD026DT	298	299	160	4150	0.41499999	1.60E-02
TCRD026DT	299	300	140	2790	0.27900001	0.014
TCRD026DT	300	301	100	1730	0.17299999	1.00E-02
TCRD026DT	301	302	180	770	0.077	1.80E-02
TCRD026DT	302	303	170	1030	0.103	1.70E-02
TCRD026DT	303	304	150	480	0.048	0.015
TCRD026DT	304	305	210	360	3.60E-02	0.021
TCRD026DT	305	306	140	2250	0.22499999	0.014
TCRD026DT	306	307	60	1830	0.183	6.00E-03
TCRD026DT	307	308	210	1300	0.13	0.021
TCRD026DT	308	309	260	1120	0.112	2.60E-02
TCRD026DT	309	310	270	1240	0.124	2.70E-02
TCRD026DT	310	311	100	240	0.024	1.00E-02
TCRD026DT	311	312	130	1290	0.12899999	0.013
TCRD026DT	312	313	2360	250	0.025	0.236
TCRD026DT	313	314	380	170	1.70E-02	3.80E-02
TCRD033DT	104	106	1010	17900	1.79	0.101
TCRD033DT	106	108	1490	24800	2.48	0.149
TCRD033DT	108	110	1380	59800	5.98	0.138
TCRD033DT	110	112	3860	27300	2.73	0.38600001
TCRD033DT	113	115	2110	17400	1.74	0.211
TCRD033DT	115	117	3300	15800	1.58	0.33000001
TCRD033DT	117	119	2840	33200	3.3199999	0.28400001
TCRD033DT	119	121	1760	6670	0.667	0.176
TCRD033DT	121	123	7500	11550	1.155	0.75
TCRD033DT	123	126	3610	20500	2.05	0.361

TCRD033DT	126	128	4100	19200	1.92	0.41
TCRD033DT	128	130	2430	11200	1.12	0.243
TCRD033DT	130	132	2480	6470	0.64700001	0.248
TCRD033DT	132	134	2500	6140	0.61400002	0.25
TCRD033DT	134	136	1580	10200	1.02	0.15800001
TCRD033DT	136	138	3870	14250	1.425	0.38699999
TCRD033DT	138	140	2390	7930	0.79299998	0.23899999
TCRD033DT	140	142	4170	18950	1.895	0.417
TCRD033DT	142	144	1370	13650	1.365	0.13699999
TCRD033DT	144	147	1780	16050	1.605	0.178
TCRD033DT	147	149	430	10050	1.005	4.30E-02
TCRD033DT	149	150	2250	11550	1.155	0.22499999
TCRD033DT	150	152	2570	24300	2.4300001	0.257
TCRD033DT	152	153	180	12150	1.215	1.80E-02
TCRD033DT	153	154	160	7350	0.73500001	1.60E-02
TCRD033DT	154	155	190	4860	0.486	1.90E-02
TCRD033DT	155	156	2170	7070	0.70700002	0.21699999
TCRD033DT	156	157	740	6820	0.68199998	7.40E-02
TCRD033DT	157	158	200	4630	0.463	0.02
TCRD033DT	158	159	240	5070	0.50700003	0.024
TCRD033DT	159	160	180	7820	0.78200001	1.80E-02
TCRD033DT	160	161	450	5950	0.59500003	4.50E-02
TCRD033DT	161	162	3620	17750	1.775	0.36199999
TCRD033DT	162	163	3020	18600	1.86	0.30199999
TCRD033DT	164	165	870	8500	0.85000002	8.70E-02
TCRD033DT	165	166	3200	26600	2.6600001	0.31999999
TCRD033DT	166	167	3350	26400	2.6400001	0.33500001
TCRD033DT	167	168	5050	32600	3.26	0.505
TCRD033DT	168	169	13600	41800	4.1799998	1.36
TCRD033DT	169	170	9070	21800	2.1800001	0.90700001
TCRD033DT	170	171	1090	7220	0.722	0.109
TCRD033DT	171	172	610	2760	0.27599999	6.10E-02
TCRD033DT	172	173	380	3310	0.331	3.80E-02
TCRD033DT	173	174	1460	11200	1.12	0.146
TCRD033DT	174	175	220	8420	0.84200001	0.022
TCRD033DT	175	176	860	13150	1.3150001	8.60E-02
TCRD033DT	176	177	2680	30600	3.0599999	0.26800001
TCRD033DT	177	178	10850	8710	0.87099999	1.085
TCRD033DT	178	179	230	2980	0.29800001	0.023
TCRD033DT	179	180	230	1000	0.1	0.023
TCRD033DT	180	181	530	3680	0.368	5.30E-02
TCRD033DT	181	182	570	5780	0.57800001	0.057
TCRD033DT	182	183	180	7070	0.70700002	1.80E-02
TCRD033DT	183	184	320	3900	0.38999999	3.20E-02
TCRD033DT	184	185	2370	9950	0.995	0.237
TCRD033DT	185	186	10400	18400	1.84	1.04
TCRD033DT	186	186.89999	3800	17250	1.725	0.38
TCRD034DT	72	74	490	26000	2.5999999	4.90E-02
TCRD034DT	74	76	1260	22200	2.22	0.126
TCRD034DT	76	78	4250	21300	2.1300001	0.42500001
TCRD034DT	78	80	4260	44100	4.4099998	0.426
TCRD034DT	80	82	1550	25300	2.53	0.155
TCRD034DT	82	84	410	3520	0.352	4.10E-02
TCRD034DT	84	86	590	6560	0.65600002	0.059
TCRD034DT	86	88	580	7020	0.70200002	5.80E-02
TCRD034DT	88	90	1050	13100	1.3099999	0.105
TCRD034DT	90	92	1480	22800	2.28	0.148
TCRD034DT	92	94	1280	3490	0.34900001	0.12800001
TCRD034DT	94	96	1940	12050	1.205	0.19400001
TCRD034DT	96	98	1360	4250	0.42500001	0.13600001
TCRD034DT	98	100	1760	7540	0.75400001	0.176
TCRD034DT	100	102	1030	8440	0.84399998	0.103
TCRD034DT	102	104	1140	7320	0.73199999	0.114

TCRD034DT	104	106	2950	5320	0.53200001	0.29499999
TCRD034DT	106	107	1100	6420	0.64200002	0.11
TCRD034DT	107	108	550	1370	0.13699999	0.055
TCRD034DT	108	109	1090	2690	0.26899999	0.109
TCRD034DT	109	110	1110	1930	0.193	0.111
TCRD034DT	110	111	1420	2170	0.21699999	0.142
TCRD034DT	111	112	2320	3520	0.352	0.23199999
TCRD034DT	112	113	430	1630	0.163	4.30E-02
TCRD034DT	113	114	220	1470	0.147	0.022
TCRD034DT	114	115	370	5530	0.55299997	0.037
TCRD034DT	115	116	750	4190	0.419	7.50E-02
TCRD034DT	116	117	410	2110	0.211	4.10E-02
TCRD034DT	117	118	220	590	0.059	0.022
TCRD034DT	118	119	180	1010	0.101	1.80E-02
TCRD034DT	119	120	730	2760	0.27599999	7.30E-02
TCRD034DT	120	121	760	3230	0.32300001	7.60E-02
TCRD034DT	121	122	1530	12200	1.22	0.153
TCRD034DT	122	123	500	1820	0.182	5.00E-02
TCRD034DT	123	124	380	1580	0.15800001	3.80E-02
TCRD034DT	124	125	140	3460	0.34599999	0.014
TCRD034DT	125	126	2440	5330	0.53299999	0.244
TCRD034DT	126	127	340	5280	0.528	3.40E-02
TCRD034DT	127	128	590	1390	0.139	0.059
TCRD034DT	128	129	590	2010	0.20100001	0.059
TCRD034DT	129	130	190	310	3.10E-02	1.90E-02
TCRD034DT	130	131	400	1560	0.156	4.00E-02
TCRD034DT	131	132	140	120	0.012	0.014
TCRD034DT	132	133	400	1360	0.13600001	4.00E-02
TCRD034DT	133	134	220	770	0.077	0.022
TCRD034DT	134	135	170	1810	0.18099999	1.70E-02
TCRD034DT	135	136	170	2240	0.22400001	1.70E-02
TCRD034DT	136	137	200	840	8.40E-02	0.02
TCRD034DT	137	138	1300	1820	0.182	0.13
TCRD034DT	139	140	230	1120	0.112	0.023
TCRD034DT	140	142	280	5360	0.53600001	2.80E-02
TCRD034DT	142	143	540	2520	0.252	5.40E-02
TCRD034DT	145.5	146	500	890	8.90E-02	5.00E-02
TCRD034DT	146	147	1990	3660	0.366	0.199
TCRD034DT	148.5	149	210	660	0.066	0.021
TCRD034DT	149	150	130	120	0.012	0.013
TCRD034DT	150	151	270	1400	0.14	2.70E-02
TCRD034DT	151	152	220	450	4.50E-02	0.022
TCRD034DT	152	153	210	800	8.00E-02	0.021
TCRD034DT	153	154	150	270	2.70E-02	0.015
TCRD034DT	154	155	170	1160	0.116	1.70E-02
TCRD034DT	155	156	130	670	6.70E-02	0.013
TCRD034DT	156	157	660	2410	0.241	0.066
TCRD034DT	157	158	190	150	0.015	1.90E-02
TCRD034DT	158	159	230	900	9.00E-02	0.023
TCRD034DT	159	160	140	370	0.037	0.014
TCRD034DT	160	161	180	220	0.022	1.80E-02
TCRD034DT	161	162	200	530	5.30E-02	0.02
TCRD034DT	162	163	270	1750	0.175	2.70E-02
TCRD034DT	163	164	200	1730	0.17299999	0.02
TCRD034DT	164	165	270	3260	0.32600001	2.70E-02
TCRD034DT	165	166	210	1580	0.15800001	0.021
TCRD034DT	166	167	320	3020	0.30199999	3.20E-02
TCRD034DT	167	168	230	1070	0.107	0.023
TCRD034DT	168	169	230	310	3.10E-02	0.023
TCRD034DT	169	170	200	480	0.048	0.02
TCRD034DT	170	171	260	480	0.048	2.60E-02
TCRD034DT	171	172	10	-10	-0.001	0.001
TCRD034DT	172	173	930	1900	0.19	9.30E-02

TCRD034DT	173	174	430	9140	0.91399997	4.30E-02
TCRD034DT	174	175	300	13900	1.39	3.00E-02
TCRD034DT	175	176	280	42200	4.2199998	2.80E-02
TCRD034DT	176	177	280	12900	1.29	2.80E-02
TCRD034DT	177	178	220	12200	1.22	0.022
TCRD034DT	178	179	190	6750	0.67500001	1.90E-02
TCRD034DT	179	180	220	7040	0.704	0.022
TCRD034DT	180	181	180	8500	0.85000002	1.80E-02
TCRD034DT	181	182	180	4080	0.40799999	1.80E-02
TCRD034DT	182	183	320	5850	0.58499998	3.20E-02
TCRD034DT	183	184	80	3230	0.32300001	8.00E-03
TCRD034DT	184	185	140	5090	0.509	0.014
TCRD034DT	185	186	110	7520	0.75199997	0.011
TCRD034DT	186	187	80	8350	0.83499998	8.00E-03
TCRD034DT	187	188	100	2880	0.28799999	1.00E-02
TCRD034DT	188	189	60	2600	0.25999999	6.00E-03
TCRD034DT	189	190	100	29500	2.95	1.00E-02
TCRD034DT	190	191	150	6300	0.63	0.015
TCRD034DT	191	192	130	1330	0.133	0.013
TCRD034DT	193	197	210	5110	0.51099998	0.021
TCRD034DT	199	201	690	30000	3	6.90E-02
TCRD034DT	201	203	1230	9490	0.949	0.123
TCRD034DT	203	205	460	2340	0.234	0.046
TCRD034DT	205	207	330	1950	0.19499999	0.033
TCRD034DT	207	209	150	880	0.088	0.015
TCRD034DT	209	211	100	770	0.077	1.00E-02
TCRD034DT	211	213	140	1300	0.13	0.014
TCRD034DT	213	215	200	1980	0.198	0.02
TCRD034DT	215	217	120	1120	0.112	0.012
TCRD034DT	217	219	160	1280	0.12800001	1.60E-02
TCRD034DT	219	221	80	1120	0.112	8.00E-03
TCRD034DT	221	223	70	790	7.90E-02	7.00E-03
TCRD034DT	223	225	80	890	8.90E-02	8.00E-03
TCRD034DT	225	227	90	810	0.081	9.00E-03
TCRD034DT	227	229	60	580	5.80E-02	6.00E-03
TCRD034DT	229	231	70	710	7.10E-02	7.00E-03
TCRD034DT	231	233	70	830	8.30E-02	7.00E-03
TCRD034DT	233	235.5	40	170	1.70E-02	4.00E-03
TCRD011DT	70	71	1530	46900	4.6900001	0.153
TCRD011DT	71	72	1020	92500	9.25	0.102
TCRD011DT	72	73	2470	15900	1.59	0.24699999
TCRD011DT	73	74	1860	12400	1.24	0.186
TCRD011DT	74	75	700	8190	0.81900001	0.07
TCRD011DT	75	76	2580	5230	0.523	0.25799999
TCRD011DT	76	77	5140	24000	2.4000001	0.514
TCRD011DT	77	78	2730	10700	1.0700001	0.273
TCRD011DT	78	79	3720	4410	0.44100001	0.37200001
TCRD011DT	79	80	3010	5530	0.55299997	0.301
TCRD011DT	80	81	8030	6910	0.69099998	0.80299997
TCRD011DT	81	82	9060	8680	0.86799997	0.90600002
TCRD011DT	82	83	13750	6190	0.61900002	1.375
TCRD011DT	83	84	3390	2730	0.273	0.33899999
TCRD011DT	84	85	4450	1500	0.15000001	0.44499999
TCRD011DT	85	86	6050	2910	0.29100001	0.60500002
TCRD011DT	86	87	5470	5210	0.52100003	0.54699999
TCRD011DT	87	88	4490	1990	0.199	0.449
TCRD011DT	88	89	4070	3510	0.35100001	0.40700001
TCRD011DT	89	90	5130	2750	0.27500001	0.51300001
TCRD011DT	90	91	5330	40	4.00E-03	0.53299999
TCRD011DT	91	92	4890	20	2.00E-03	0.48899999
TCRD011DT	92	93	4270	20	2.00E-03	0.42699999
TCRD011DT	93	94	1370	10	0.001	0.13699999
TCRD011DT	94	95	2890	20	2.00E-03	0.289

TCRD011DT	95	96	560	20	2.00E-03	5.60E-02
TCRD011DT	96	97	320	30	0.003	3.20E-02
TCRD011DT	97	98	640	310	3.10E-02	6.40E-02
TCRD011DT	98	99	790	160	1.60E-02	7.90E-02
TCRD011DT	99	100	1100	110	0.011	0.11
TCRD011DT	100	101	190	60	6.00E-03	1.90E-02
TCRD011DT	101	102	350	100	1.00E-02	0.035
TCRD011DT	102	103	1020	30	0.003	0.102
TCRD011DT	103	104	220	10	0.001	0.022
TCRD011DT	104	105	170	10	0.001	1.70E-02
TCRD011DT	105	106	490	10	0.001	4.90E-02
TCRD011DT	106	107	710	10	0.001	7.10E-02
TCRD011DT	107	108	240	10	0.001	0.024
TCRD011DT	108	109	250	80	8.00E-03	0.025
TCRD011DT	109	110	210	80	8.00E-03	0.021
TCRD011DT	110	111	240	60	6.00E-03	0.024
TCRD011DT	111	112	290	30	0.003	2.90E-02
TCRD011DT	112	113	160	30	0.003	1.60E-02
TCRD011DT	113	114	170	30	0.003	1.70E-02
TCRD011DT	114	115	760	10	0.001	7.60E-02
TCRD011DT	115	116	1670	110	0.011	0.167
TCRD011DT	116	117	820	10	0.001	8.20E-02
TCRD011DT	117	118	750	10	0.001	7.50E-02
TCRD011DT	118	119	310	-10	-0.001	3.10E-02
TCRD011DT	119	120	450	-10	-0.001	4.50E-02
TCRD011DT	120	121	210	-10	-0.001	0.021
TCRD011DT	121	122	200	-10	-0.001	0.02
TCRD011DT	122	123	790	-10	-0.001	7.90E-02
TCRD011DT	123	124	980	-10	-0.001	9.80E-02
TCRD011DT	124	125	330	-10	-0.001	0.033
TCRD011DT	125	126	440	-10	-0.001	0.044
TCRD011DT	126	127	510	30	0.003	5.10E-02
TCRD011DT	127	128	1030	180	1.80E-02	0.103
TCRD011DT	128	129	1390	120	0.012	0.139
TCRD011DT	129	130	980	100	1.00E-02	9.80E-02
TCRD011DT	130	131	680	-10	-0.001	6.80E-02
TCRD011DT	131	132	440	-10	-0.001	0.044
TCRD011DT	132	133	760	-10	-0.001	7.60E-02
TCRD011DT	133	134	510	-10	-0.001	5.10E-02
TCRD011DT	134	136	400	-10	-0.001	4.00E-02
TCRD011DT	136	138	1120	-10	-0.001	0.112
TCRD011DT	138	140	70	50	5.00E-03	7.00E-03
TCRD011DT	140	142	660	-10	-0.001	0.066
TCRD011DT	142	144	2480	-10	-0.001	0.248
TCRD011DT	144	146	1100	10	0.001	0.11
TCRD011DT	146	148	420	20	2.00E-03	4.20E-02
TCRD011DT	148	150	120	50	5.00E-03	0.012
TCRD011DT	150	152	240	430	4.30E-02	0.024
TCRD011DT	152	154	270	4020	0.40200001	2.70E-02
TCRD011DT	154	156	470	280	2.80E-02	4.70E-02
TCRD011DT	156	158	2370	3510	0.35100001	0.237
TCRD011DT	158	159	760	2840	0.28400001	7.60E-02
TCRD011DT	159	160	770	5380	0.53799999	0.077
TCRD011DT	160	161	330	2000	0.2	0.033
TCRD011DT	161	162	250	560	5.60E-02	0.025
TCRD011DT	162	163	160	580	5.80E-02	1.60E-02
TCRD011DT	163	164	100	100	1.00E-02	1.00E-02
TCRD011DT	164	165	100	20	2.00E-03	1.00E-02
TCRD011DT	165	166	80	190	1.90E-02	8.00E-03
TCRD011DT	166	167	40	20	2.00E-03	4.00E-03
TCRD011DT	167	168	20	40	4.00E-03	2.00E-03
TCRD011DT	168	169	30	40	4.00E-03	0.003
TCRD011DT	169	170	20	-10	-0.001	2.00E-03

TCRD011DT	170	171	10	-10	-0.001	0.001
TCRD011DT	171	172	10	-10	-0.001	0.001
TCRD011DT	172	173	60	420	4.20E-02	6.00E-03
TCRD011DT	173	174	150	730	7.30E-02	0.015
TCRD011DT	174	175	100	210	0.021	1.00E-02
TCRD011DT	175	176	80	60	6.00E-03	8.00E-03
TCRD011DT	176	177	60	30	0.003	6.00E-03
TCRD011DT	177	178	60	10	0.001	6.00E-03
TCRD011DT	178	179	60	30	0.003	6.00E-03
TCRD011DT	179	180	60	30	0.003	6.00E-03
TCRD011DT	180	181	80	220	0.022	8.00E-03
TCRD011DT	181	182	70	50	5.00E-03	7.00E-03
TCRD011DT	182	183	90	30	0.003	9.00E-03
TCRD011DT	183	184	100	70	7.00E-03	1.00E-02
TCRD011DT	184	185	160	410	4.10E-02	1.60E-02
TCRD011DT	185	186	80	80	8.00E-03	8.00E-03
TCRD011DT	186	187	160	1740	0.17399999	1.60E-02
TCRD011DT	187	188	170	480	0.048	1.70E-02
TCRD011DT	188	189	90	130	0.013	9.00E-03
TCRD011DT	189	190	50	380	3.80E-02	5.00E-03
TCRD011DT	190	191	140	1050	0.105	0.014
TCRD011DT	191	192	80	600	6.00E-02	8.00E-03
TCRD011DT	192	193	40	840	8.40E-02	4.00E-03
TCRD011DT	193	194	1500	6730	0.67299998	0.15000001
TCRD011DT	194	195	130	660	0.066	0.013
TCRD011DT	195	196	90	1940	0.19400001	9.00E-03
TCRD011DT	196	197	110	690	6.90E-02	0.011
TCRD011DT	197	198	190	1540	0.154	1.90E-02
TCRD011DT	198	199	50	520	5.20E-02	5.00E-03
TCRD011DT	199	200	60	1960	0.19599999	6.00E-03
TCRD011DT	200	201	160	510	5.10E-02	1.60E-02
TCRD011DT	201	202	20	290	2.90E-02	2.00E-03
TCRD011DT	202	203	80	320	3.20E-02	8.00E-03
TCRD011DT	203	204	140	750	7.50E-02	0.014
TCRD011DT	204	205	90	420	4.20E-02	9.00E-03
TCRD011DT	205	206	100	480	0.048	1.00E-02
TCRD011DT	206	207	40	290	2.90E-02	4.00E-03
TCRD011DT	207	208	10	180	1.80E-02	0.001
TCRD011DT	208	209	30	400	4.00E-02	0.003
TCRD011DT	209	210	120	290	2.90E-02	0.012
TCRD011DT	210	211	60	640	6.40E-02	6.00E-03
TCRD011DT	211	212	650	2530	0.25299999	6.50E-02
TCRD011DT	212	213	70	410	4.10E-02	7.00E-03
TCRD011DT	213	214	50	440	0.044	5.00E-03
TCRD011DT	214	215	10	880	0.088	0.001
TCRD011DT	215	216	20	830	8.30E-02	2.00E-03
TCRD011DT	216	217	10	860	8.60E-02	0.001
TCRD011DT	217	218	150	1810	0.18099999	0.015
TCRD011DT	218	219	430	6470	0.64700001	4.30E-02
TCRD011DT	219	220	200	5910	0.59100002	0.02
TCRD011DT	220	221	20	2310	0.23100001	2.00E-03
TCRD011DT	221	222	90	1860	0.186	9.00E-03
TCRD011DT	222	223	70	2350	0.235	7.00E-03
TCRD011DT	223	224	50	650	6.50E-02	5.00E-03
TCRD011DT	224	225	30	230	0.023	0.003
TCRD011DT	225	226	30	280	2.80E-02	0.003
TCRD011DT	226	227	80	620	6.20E-02	8.00E-03
TCRD011DT	227	228	10	70	7.00E-03	0.001
TCRD011DT	228	229	10	90	9.00E-03	0.001
TCRD011DT	229	230	30	220	0.022	0.003
TCRD011DT	230	231	130	410	4.10E-02	0.013
TCRD011DT	231	232	50	1110	0.111	5.00E-03
TCRD011DT	232	233	20	390	3.90E-02	2.00E-03

TCRD011DT	233	234	40	4960	0.49599999	4.00E-03
TCRD011DT	234	235	100	1460	0.146	1.00E-02
TCRD011DT	235	236	70	1490	0.149	7.00E-03
TCRD011DT	236	237	60	3010	0.301	6.00E-03
TCRD011DT	237	238	320	1250	0.125	3.20E-02
TCRD011DT	238	239	330	9690	0.96899998	0.033
TCRD011DT	239	240	590	4360	0.43599999	0.059
TCRD011DT	240	241	290	2400	0.23999999	2.90E-02
TCRD011DT	241	242	20	740	7.40E-02	2.00E-03
TCRD011DT	242	243	120	2730	0.273	0.012
TCRD011DT	243	244	770	5700	0.56999999	0.077
TCRD011DT	244	245	10	680	6.80E-02	0.001
TCRD011DT	245	246	20	1550	0.155	2.00E-03
TCRD011DT	246	247	230	4430	0.44299999	0.023
TCRD011DT	247	248	110	4080	0.40799999	0.011
TCRD011DT	248	249	510	3430	0.34299999	5.10E-02
TCRD011DT	249	250	30	4130	0.41299999	0.003
TCRD011DT	250	251	70	3810	0.38100001	7.00E-03
TCRD011DT	251	252	40	1730	0.17299999	4.00E-03
TCRD011DT	252	253	50	3070	0.30700001	5.00E-03
TCRD011DT	253	254	40	3890	0.389	4.00E-03
TCRD011DT	254	255	30	6190	0.61900002	0.003
TCRD011DT	255	256	340	3620	0.36199999	3.40E-02
TCRD011DT	256	257	650	7200	0.72000003	6.50E-02
TCRD011DT	257	258	500	5170	0.51700002	5.00E-02
TCRD011DT	258	259	120	6240	0.62400001	0.012
TCRD011DT	259	260	180	11100	1.11	1.80E-02
TCRD011DT	260	261	50	5790	0.579	5.00E-03
TCRD011DT	261	262	70	2080	0.208	7.00E-03
TCRD011DT	262	264	70	1470	0.147	7.00E-03
TCRD011DT	264	266	460	7020	0.70200002	0.046
TCRD011DT	266	268	940	6970	0.69700003	9.40E-02
TCRD011DT	268	270	170	1190	0.119	1.70E-02
TCRD011DT	270	272	580	1080	0.108	5.80E-02
TCRD011DT	272	274	350	2610	0.26100001	0.035
TCRD011DT	274	276	90	1670	0.167	9.00E-03
TCRD011DT	276	278	50	1870	0.18700001	5.00E-03
TCRD011DT	280	282	380	3220	0.322	3.80E-02
TCRD011DT	282	284	60	330	0.033	6.00E-03
TCRD011DT	284	286	60	270	2.70E-02	6.00E-03
TCRD011DT	286	288	340	540	5.40E-02	3.40E-02
TCRD011DT	288	290	400	1590	0.15899999	4.00E-02
TCRD011DT	290	292	390	1950	0.19499999	3.90E-02
TCRD011DT	292	293	220	2910	0.29100001	0.022
TCRD011DT	293	294	570	650	6.50E-02	0.057
TCRD011DT	294	295	170	3610	0.361	1.70E-02
TCRD011DT	295	296	60	460	0.046	6.00E-03
TCRD011DT	296	297	230	810	0.081	0.023
TCRD011DT	297	298	440	1870	0.18700001	0.044
TCRD011DT	298	299	310	3060	0.30599999	3.10E-02
TCRD011DT	299	300	440	1330	0.133	0.044
TCRD011DT	300	301	460	8500	0.85000002	0.046
TCRD011DT	301	302	410	6110	0.611	4.10E-02
TCRD011DT	302	303	380	2500	0.25	3.80E-02
TCRD011DT	303	304	360	1710	0.171	3.60E-02
TCRD011DT	304	305	330	1600	0.16	0.033
TCRD011DT	305	306	130	390	3.90E-02	0.013
TCRD011DT	306	307	80	210	0.021	8.00E-03
TCRD011DT	307	308	70	1690	0.169	7.00E-03
TCRD011DT	308	309	440	1450	0.145	0.044
TCRD011DT	309	310	330	1630	0.163	0.033
TCRD011DT	310	311	180	7500	0.75	1.80E-02
TCRD011DT	311	312	140	2600	0.25999999	0.014

TCRD011DT	312	313	330	3700	0.37	0.033
TCRD011DT	313	314	1120	8600	0.86000001	0.112
TCRD011DT	314	315	590	900	9.00E-02	0.059
TCRD011DT	315	316	570	1700	0.17	0.057
TCRD011DT	316	317	420	2800	0.28	4.20E-02
TCRD011DT	317	318	100	800	8.00E-02	1.00E-02
TCRD011DT	318	319	120	400	4.00E-02	0.012
TCRD011DT	319	320	130	1200	0.12	0.013
TCRD011DT	320	321	270	2800	0.28	2.70E-02
TCRD011DT	321	322	100	1000	0.1	1.00E-02
TCRD011DT	322	323	200	1600	0.16	0.02
TCRD011DT	323	324	110	800	8.00E-02	0.011
TCRD011DT	324	325	-50	1400	0.14	-5.00E-03
TCRD011DT	325	326	60	400	4.00E-02	6.00E-03
TCRD011DT	326	327	100	1300	0.13	1.00E-02
TCRD011DT	327	328	380	1300	0.13	3.80E-02
TCRD011DT	328	329	490	1500	0.15000001	4.90E-02
TCRD011DT	329	330	420	1700	0.17	4.20E-02
TCRD011DT	330	332	480	1400	0.14	0.048
TCRD011DT	332	334	400	1000	0.1	4.00E-02
TCRD011DT	334	336	650	800	8.00E-02	6.50E-02
TCRD011DT	336	338	390	700	0.07	3.90E-02
TCRD011DT	338	340	260	300	3.00E-02	2.60E-02
TCRD011DT	340	342	90	100	1.00E-02	9.00E-03
TCRD011DT	342	344	-50	-100	-1.00E-02	-5.00E-03
TCRD011DT	344	346	220	200	0.02	0.022
TCRD011DT	346	348	160	200	0.02	1.60E-02
TCRD011DT	348	350	70	800	8.00E-02	7.00E-03
TCRD011DT	350	351	-50	1300	0.13	-5.00E-03
TCRD011DT	351	352	-50	1200	0.12	-5.00E-03
TCRD011DT	352	353	-50	1000	0.1	-5.00E-03
TCRD011DT	353	354	-50	600	6.00E-02	-5.00E-03
TCRD011DT	354	355	-50	400	4.00E-02	-5.00E-03
TCRD011DT	355	356	140	400	4.00E-02	0.014
TCRD011DT	356	357	100	100	1.00E-02	1.00E-02
TCRD011DT	357	358	150	-100	-1.00E-02	0.015
TCRD011DT	358	359	220	100	1.00E-02	0.022
TCRD011DT	359	360	770	500	5.00E-02	0.077
TCRD011DT	360	361	70	1100	0.11	7.00E-03
TCRD011DT	361	362	280	800	8.00E-02	2.80E-02
TCRD011DT	362	363	50	1500	0.15000001	5.00E-03
TCRD011DT	363	364	50	1600	0.16	5.00E-03
TCRD011DT	364	365	50	1800	0.18000001	5.00E-03
TCRD011DT	365	366	-50	1200	0.12	-5.00E-03
TCRD011DT	366	367	-50	1400	0.14	-5.00E-03
TCRD011DT	367	368	-50	1000	0.1	-5.00E-03
TCRD011DT	368	369	-50	1300	0.13	-5.00E-03
TCRD011DT	369	370	-50	1300	0.13	-5.00E-03
TCRD011DT	370	371	-50	1100	0.11	-5.00E-03
TCRD011DT	371	372	140	1200	0.12	0.014
TCRD011DT	372	373	-50	1300	0.13	-5.00E-03
TCRD011DT	373	374	-50	600	6.00E-02	-5.00E-03
TCRD011DT	374	375	-50	400	4.00E-02	-5.00E-03
TCRD011DT	375	376	60	400	4.00E-02	6.00E-03
TCRD011DT	376	377	-50	300	3.00E-02	-5.00E-03
TCRD011DT	377	378	60	200	0.02	6.00E-03
TCRD011DT	378	379	70	200	0.02	7.00E-03
TCRD011DT	379	380	90	300	3.00E-02	9.00E-03
TCRD011DT	380	381	90	100	1.00E-02	9.00E-03
TCRD011DT	381	382	80	700	0.07	8.00E-03
TCRD011DT	382	383.5	100	700	0.07	1.00E-02
TCRD021DT	101	102	960	15900	1.59	9.60E-02
TCRD021DT	102	103	2090	31600	3.1600001	0.20900001

TCRD021DT	105	106	800	1000	0.1	8.00E-02
TCRD021DT	106	107	500	300	3.00E-02	5.00E-02
TCRD021DT	107	108	110	100	1.00E-02	0.011
TCRD021DT	108	109	120	200	0.02	0.012
TCRD021DT	109	110	140	200	0.02	0.014
TCRD021DT	110	111	140	200	0.02	0.014
TCRD021DT	111	112	140	100	1.00E-02	0.014
TCRD021DT	112	113	150	300	3.00E-02	0.015
TCRD021DT	113	114	170	200	0.02	1.70E-02
TCRD021DT	114	115	210	100	1.00E-02	0.021
TCRD021DT	115	116	210	300	3.00E-02	0.021
TCRD021DT	116	117	200	100	1.00E-02	0.02
TCRD021DT	117	118	210	200	0.02	0.021
TCRD021DT	118	119	210	100	1.00E-02	0.021
TCRD021DT	119	120	190	200	0.02	1.90E-02
TCRD021DT	120	121	160	100	1.00E-02	1.60E-02
TCRD021DT	121	122	170	700	0.07	1.70E-02
TCRD021DT	122	123	200	100	1.00E-02	0.02
TCRD021DT	123	124	300	100	1.00E-02	3.00E-02
TCRD021DT	124	125	340	1100	0.11	3.40E-02
TCRD021DT	125	126	130	1100	0.11	0.013
TCRD021DT	126	127	130	400	4.00E-02	0.013
TCRD021DT	127	128	170	200	0.02	1.70E-02
TCRD021DT	128	129	160	6500	0.64999998	1.60E-02
TCRD021DT	129	130	190	1300	0.13	1.90E-02
TCRD021DT	132	133	230	1200	0.12	0.023
TCRD021DT	133	134	130	900	9.00E-02	0.013
TCRD021DT	134	135	170	1500	0.15000001	1.70E-02
TCRD021DT	135	136	140	2400	0.23999999	0.014
TCRD021DT	136	137	340	1200	0.12	3.40E-02
TCRD021DT	137	138	410	5400	0.54000002	4.10E-02
TCRD021DT	138	139	220	2000	0.2	0.022
TCRD021DT	139	140	440	2300	0.23	0.044
TCRD021DT	140	141	140	500	5.00E-02	0.014
TCRD021DT	141	142	110	100	1.00E-02	0.011
TCRD021DT	142	143	140	-100	-1.00E-02	0.014
TCRD021DT	143	144	160	200	0.02	1.60E-02
TCRD021DT	144	145	200	200	0.02	0.02
TCRD021DT	145	146	230	500	5.00E-02	0.023
TCRD021DT	146	147	230	-100	-1.00E-02	0.023
TCRD021DT	147	148	130	200	0.02	0.013
TCRD021DT	148	149	210	200	0.02	0.021
TCRD021DT	149	150	220	100	1.00E-02	0.022
TCRD021DT	150	151	130	-100	-1.00E-02	0.013
TCRD021DT	151	152	140	300	3.00E-02	0.014
TCRD021DT	152	153	170	100	1.00E-02	1.70E-02
TCRD021DT	153	154	190	400	4.00E-02	1.90E-02
TCRD021DT	154	155	170	400	4.00E-02	1.70E-02
TCRD021DT	155	156	190	200	0.02	1.90E-02
TCRD021DT	156	157	180	100	1.00E-02	1.80E-02
TCRD021DT	157	158	430	400	4.00E-02	4.30E-02
TCRD021DT	158	159	390	2300	0.23	3.90E-02
TCRD021DT	159	160	210	2400	0.23999999	0.021
TCRD021DT	160	161	180	700	0.07	1.80E-02
TCRD021DT	161	162	190	700	0.07	1.90E-02
TCRD021DT	162	163	500	200	0.02	5.00E-02
TCRD021DT	163	164	100	100	1.00E-02	1.00E-02
TCRD021DT	164	165	180	500	5.00E-02	1.80E-02
TCRD021DT	165	166	130	500	5.00E-02	0.013
TCRD021DT	167	168	130	1400	0.14	0.013
TCRD021DT	168	169	200	1500	0.15000001	0.02
TCRD021DT	169	170	270	200	0.02	2.70E-02
TCRD021DT	170	171	280	100	1.00E-02	2.80E-02

TCRD021DT	171	172	640	200	0.02	6.40E-02
TCRD021DT	172	173	740	900	9.00E-02	7.40E-02
TCRD021DT	173	174	490	2400	0.23999999	4.90E-02
TCRD021DT	174	175	310	400	4.00E-02	3.10E-02
TCRD021DT	175	176	430	100	1.00E-02	4.30E-02
TCRD021DT	176	177	280	100	1.00E-02	2.80E-02
TCRD021DT	177	178	370	300	3.00E-02	0.037
TCRD021DT	178	179	280	200	0.02	2.80E-02
TCRD021DT	179	180	760	2700	0.27000001	7.60E-02
TCRD021DT	180	181	670	1400	0.14	6.70E-02
TCRD021DT	181	182	450	1300	0.13	4.50E-02
TCRD021DT	182	183	1060	7000	0.69999999	0.106
TCRD021DT	183	184	510	300	3.00E-02	5.10E-02
TCRD021DT	184	185	260	1700	0.17	2.60E-02
TCRD021DT	185	186	450	300	3.00E-02	4.50E-02
TCRD021DT	186	187	260	100	1.00E-02	2.60E-02
TCRD021DT	187	188	220	200	0.02	0.022
TCRD021DT	188	189	250	400	4.00E-02	0.025
TCRD021DT	189	190	180	100	1.00E-02	1.80E-02
TCRD021DT	190	191	170	100	1.00E-02	1.70E-02
TCRD021DT	191	192	220	300	3.00E-02	0.022
TCRD021DT	192	193	150	100	1.00E-02	0.015
TCRD021DT	193	194	220	600	6.00E-02	0.022
TCRD021DT	194	195	290	6600	0.66000003	2.90E-02
TCRD021DT	195	196	170	400	4.00E-02	1.70E-02
TCRD021DT	196	197	220	200	0.02	0.022
TCRD021DT	197	198	150	500	5.00E-02	0.015
TCRD021DT	198	199	90	100	1.00E-02	9.00E-03
TCRD021DT	199	200	240	600	6.00E-02	0.024
TCRD021DT	200	201	180	500	5.00E-02	1.80E-02
TCRD021DT	201	202	290	1000	0.1	2.90E-02
TCRD021DT	202	203	450	2300	0.23	4.50E-02
TCRD021DT	203	204	500	1500	0.15000001	5.00E-02
TCRD021DT	204	205	330	1100	0.11	0.033
TCRD021DT	205	206	600	3800	0.38	6.00E-02
TCRD021DT	206	207	250	300	3.00E-02	0.025
TCRD021DT	207	208	440	7000	0.69999999	0.044
TCRD021DT	208	209	250	4000	0.40000001	0.025
TCRD021DT	209	210	410	2800	0.28	4.10E-02
TCRD021DT	210	211	320	400	4.00E-02	3.20E-02
TCRD021DT	211	212	240	200	0.02	0.024
TCRD021DT	212	213	310	500	5.00E-02	3.10E-02
TCRD021DT	213	214	730	200	0.02	7.30E-02
TCRD021DT	214	215	920	100	1.00E-02	0.092
TCRD021DT	215	216	1380	100	1.00E-02	0.138
TCRD021DT	216	217	1780	400	4.00E-02	0.178
TCRD021DT	217	218	1290	200	0.02	0.12899999
TCRD021DT	218	219	1770	300	3.00E-02	0.177
TCRD021DT	219	220	1300	200	0.02	0.13
TCRD021DT	220	221	1940	1300	0.13	0.19400001
TCRD021DT	221	222	1780	2300	0.23	0.178
TCRD021DT	222	223	2740	1600	0.16	0.27399999
TCRD021DT	223	224	2440	2000	0.2	0.244
TCRD021DT	224	225	1460	3700	0.37	0.146
TCRD021DT	225	226	600	11800	1.1799999	6.00E-02
TCRD021DT	226	227	980	1900	0.19	9.80E-02
TCRD021DT	227	228	650	900	9.00E-02	6.50E-02
TCRD021DT	228	229	400	400	4.00E-02	4.00E-02
TCRD021DT	229	230	590	200	0.02	0.059
TCRD021DT	230	231	620	200	0.02	6.20E-02
TCRD021DT	231	232	370	1400	0.14	0.037
TCRD021DT	232	233	330	600	6.00E-02	0.033
TCRD021DT	233	234	530	600	6.00E-02	5.30E-02

TCRD021DT	234	235	1250	1500	0.15000001	0.125
TCRD021DT	235	236	1120	300	3.00E-02	0.112
TCRD021DT	236	237	740	1600	0.16	7.40E-02
TCRD021DT	237	238	170	300	3.00E-02	1.70E-02
TCRD021DT	238	239	180	300	3.00E-02	1.80E-02
TCRD021DT	239	240	190	100	1.00E-02	1.90E-02
TCRD021DT	240	241	310	400	4.00E-02	3.10E-02
TCRD021DT	241	242	190	100	1.00E-02	1.90E-02
TCRD021DT	242	243	310	700	0.07	3.10E-02
TCRD021DT	243	244	450	100	1.00E-02	4.50E-02
TCRD021DT	244	245	440	200	0.02	0.044
TCRD021DT	245	246	180	200	0.02	1.80E-02
TCRD021DT	246	247	200	800	8.00E-02	0.02
TCRD021DT	247	248	160	300	3.00E-02	1.60E-02
TCRD021DT	248	249	230	100	1.00E-02	0.023
TCRD021DT	249	250	170	200	0.02	1.70E-02
TCRD021DT	250	251	150	200	0.02	0.015
TCRD021DT	251	252	130	300	3.00E-02	0.013
TCRD021DT	252	253	100	300	3.00E-02	1.00E-02
TCRD021DT	253	254	220	400	4.00E-02	0.022
TCRD021DT	254	255	700	92500	9.25	0.07
TCRD021DT	255	256	240	200	0.02	0.024
TCRD021DT	256	257	140	200	0.02	0.014
TCRD021DT	257	258.29999	110	100	1.00E-02	0.011
TCRD029DT	124	126	60	1300	0.13	6.00E-03
TCRD029DT	126	128	50	2900	0.28999999	5.00E-03
TCRD029DT	128	130	60	1400	0.14	6.00E-03
TCRD029DT	130	132	50	1000	0.1	5.00E-03
TCRD029DT	132	135	180	4900	0.49000001	1.80E-02
TCRD029DT	135	137	200	900	9.00E-02	0.02
TCRD029DT	137	140	570	1200	0.12	0.057
TCRD029DT	140	142	1270	1200	0.12	0.127
TCRD029DT	142	143	1770	800	8.00E-02	0.177
TCRD029DT	143	146	960	700	0.07	9.60E-02
TCRD029DT	147	148	1190	4100	0.41	0.119
TCRD029DT	150	152	1370	5700	0.56999999	0.13699999
TCRD029DT	152	154	980	4900	0.49000001	9.80E-02
TCRD029DT	154	156	260	8800	0.88	2.60E-02
TCRD029DT	156	158	370	5600	0.56	0.037
TCRD029DT	158	160	550	800	8.00E-02	0.055
TCRD029DT	160	162	330	4100	0.41	0.033
TCRD029DT	162	164	580	2900	0.28999999	5.80E-02
TCRD029DT	164	166	700	1900	0.19	0.07
TCRD029DT	166	168	510	2300	0.23	5.10E-02
TCRD029DT	168	170	440	4200	0.41999999	0.044
TCRD029DT	170	172	260	1700	0.17	2.60E-02
TCRD029DT	172	174	490	1800	0.18000001	4.90E-02
TCRD029DT	174	176	600	700	0.07	6.00E-02
TCRD029DT	176	178	270	1600	0.16	2.70E-02
TCRD029DT	178	180	210	800	8.00E-02	0.021
TCRD029DT	180	182	310	800	8.00E-02	3.10E-02
TCRD029DT	182	184	80	2800	0.28	8.00E-03
TCRD029DT	184	186	150	1000	0.1	0.015
TCRD029DT	186	188	180	1200	0.12	1.80E-02
TCRD029DT	188	190	250	5100	0.50999999	0.025
TCRD029DT	190	192	170	3800	0.38	1.70E-02
TCRD029DT	192	194	180	400	4.00E-02	1.80E-02
TCRD029DT	194	196	160	400	4.00E-02	1.60E-02
TCRD029DT	196	198	160	300	3.00E-02	1.60E-02
TCRD029DT	198	200	170	500	5.00E-02	1.70E-02
TCRD029DT	200	202	100	900	9.00E-02	1.00E-02
TCRD029DT	202	204	130	1300	0.13	0.013
TCRD029DT	204	206	110	300	3.00E-02	0.011

TCRD029DT	206	208	110	200	0.02	0.011
TCRD029DT	208	210	90	-100	-1.00E-02	9.00E-03
TCRD029DT	210	212	200	500	5.00E-02	0.02
TCRD029DT	212	214	220	200	0.02	0.022
TCRD029DT	214	216	180	200	0.02	1.80E-02
TCRD029DT	216	218	210	200	0.02	0.021
TCRD029DT	218	219	210	200	0.02	0.021
TCRD029DT	219	220	150	700	0.07	0.015
TCRD029DT	220	221	230	600	6.00E-02	0.023
TCRD029DT	221	222	1050	500	5.00E-02	0.105
TCRD029DT	222	223	530	600	6.00E-02	5.30E-02
TCRD029DT	223	224	300	400	4.00E-02	3.00E-02
TCRD029DT	224	225	260	1100	0.11	2.60E-02
TCRD029DT	225	226	290	4400	0.44	2.90E-02
TCRD029DT	226	227	5720	15600	1.5599999	0.57200003
TCRD029DT	227	228	300	12900	1.29	3.00E-02
TCRD029DT	228	229	3000	21600	2.1600001	0.30000001
TCRD029DT	229	230	340	22300	2.23	3.40E-02
TCRD029DT	230	231	430	15000	1.5	4.30E-02
TCRD029DT	231	232	500	6100	0.61000001	5.00E-02
TCRD029DT	232	233	2480	15600	1.5599999	0.248
TCRD029DT	233	234	4150	900	9.00E-02	0.41499999
TCRD029DT	234	235	3080	100	1.00E-02	0.308
TCRD029DT	235	236	880	-100	-1.00E-02	0.088
TCRD029DT	236	237	1300	-100	-1.00E-02	0.13
TCRD029DT	237	238	3500	600	6.00E-02	0.34999999
TCRD029DT	238	239	8930	3100	0.31	0.89300001
TCRD029DT	239	240	25130	24800	2.48	2.513
TCRD029DT	240	241	12000	6200	0.62	1.2
TCRD029DT	241	242	7230	14300	1.4299999	0.72299999
TCRD029DT	242	243	2670	24300	2.4300001	0.26699999
TCRD029DT	243	244	7470	8000	0.80000001	0.74699998
TCRD029DT	244	245	1320	8400	0.83999997	0.132
TCRD029DT	245	246	2140	6900	0.69	0.214
TCRD029DT	246	247	1840	5700	0.56999999	0.184
TCRD029DT	247	248	2180	4900	0.49000001	0.21799999
TCRD029DT	248	249	3830	5700	0.56999999	0.38299999
TCRD029DT	249	250	1000	19200	1.92	0.1
TCRD029DT	250	251	2570	18900	1.89	0.257
TCRD029DT	251	252	760	19100	1.91	7.60E-02
TCRD029DT	252	253	1030	24600	2.46	0.103
TCRD029DT	253	254	470	19900	1.99	4.70E-02
TCRD029DT	254	255	930	16700	1.67	9.30E-02
TCRD029DT	255	256	820	13500	1.35	8.20E-02
TCRD029DT	256	257	590	19000	1.9	0.059
TCRD029DT	257	258	120	20200	2.02	0.012
TCRD029DT	258	259	2770	12300	1.23	0.27700001
TCRD029DT	259	260	3210	10200	1.02	0.32100001
TCRD029DT	260	261	3390	4400	0.44	0.33899999
TCRD029DT	261	262	4630	11200	1.12	0.463
TCRD029DT	262	263	3120	6100	0.61000001	0.31200001
TCRD029DT	263	264	4220	4600	0.46000001	0.42199999
TCRD029DT	264	265	3570	4400	0.44	0.35699999
TCRD029DT	265	266	6110	21400	2.1400001	0.611
TCRD029DT	266	267	2640	21800	2.1800001	0.264
TCRD029DT	267	268	300	44000	4.4000001	3.00E-02
TCRD029DT	268	269	50	12800	1.28	5.00E-03
TCRD029DT	269	270	90	17000	1.7	9.00E-03
TCRD029DT	270	271	120	15800	1.58	0.012
TCRD029DT	271	272	1980	15800	1.58	0.198
TCRD029DT	272	273	180	14300	1.4299999	1.80E-02
TCRD029DT	273	274	290	18300	1.83	2.90E-02
TCRD029DT	274	275	540	11300	1.13	5.40E-02

TCRD029DT	275	276	120	18400	1.84	0.012
TCRD029DT	276	277	-50	28700	2.8699999	-5.00E-03
TCRD029DT	277	278	2080	11900	1.1900001	0.208
TCRD029DT	278	279	80	5900	0.58999997	8.00E-03
TCRD029DT	279	281	220	700	0.07	0.022
TCRD029DT	281	283	90	-100	-1.00E-02	9.00E-03
TCRD029DT	283	285	100	-100	-1.00E-02	1.00E-02
TCRD029DT	285	287	100	100	1.00E-02	1.00E-02
TCRD029DT	287	289	60	-100	-1.00E-02	6.00E-03
TCRD029DT	289	291	-50	-100	-1.00E-02	-5.00E-03
TCRD029DT	291	293	-50	-100	-1.00E-02	-5.00E-03
TCRD029DT	293	295	-50	-100	-1.00E-02	-5.00E-03
TCRD029DT	295	297	-50	-100	-1.00E-02	-5.00E-03
TCRD029DT	297	299	-50	-100	-1.00E-02	-5.00E-03
TCRD029DT	299	301	-50	-100	-1.00E-02	-5.00E-03
TCRD029DT	301	303	-50	-100	-1.00E-02	-5.00E-03
TCRD029DT	303	304.29999	-50	-100	-1.00E-02	-5.00E-03
TCRD030DT	64	65	1400	17700	1.77	0.14
TCRD030DT	65	68	5530	16900	1.6900001	0.55299997
TCRD030DT	68	69	2770	36200	3.6199999	0.27700001
TCRD030DT	69	70	1660	31400	3.1400001	0.16599999
TCRD030DT	70	71	1790	34700	3.47	0.17900001
TCRD030DT	71	72	1930	18000	1.8	0.193
TCRD030DT	72	73	1760	17300	1.73	0.176
TCRD030DT	73	74	2000	24400	2.4400001	0.2
TCRD030DT	74	75	1800	41400	4.1399999	0.18000001
TCRD030DT	75	76	1570	41700	4.1700001	0.15700001
TCRD030DT	76	77	1180	34700	3.47	0.118
TCRD030DT	77	78	850	52800	5.2800002	8.50E-02
TCRD030DT	78	79	320	11600	1.16	3.20E-02
TCRD030DT	79	80	1210	13250	1.325	0.121
TCRD030DT	80	81	4090	16600	1.66	0.40900001
TCRD030DT	81	82	660	72500	7.25	0.066
TCRD030DT	82	83	900	38000	3.8	9.00E-02
TCRD030DT	83	84	930	6320	0.63200003	9.30E-02
TCRD030DT	84	85	890	8700	0.87	8.90E-02
TCRD030DT	85	86	860	4420	0.442	8.60E-02
TCRD030DT	86	87	1860	8970	0.89700001	0.186
TCRD030DT	87	88	2410	10250	1.025	0.241
TCRD030DT	88	89	1320	4700	0.47	0.132
TCRD030DT	89	90	1400	6940	0.69400001	0.14
TCRD030DT	90	91	800	3600	0.36000001	8.00E-02
TCRD030DT	91	92	1130	3320	0.33199999	0.113
TCRD030DT	92	93	2230	5020	0.50199997	0.223
TCRD030DT	97	98	1510	11300	1.13	0.15099999
TCRD030DT	98	99	1140	6520	0.65200001	0.114
TCRD030DT	99	100	1950	18300	1.83	0.19499999
TCRD030DT	100	101	700	12700	1.27	0.07
TCRD030DT	101	102	500	6140	0.61400002	5.00E-02
TCRD030DT	102	103	4800	21200	2.1199999	0.47999999
TCRD030DT	103	104	8250	26000	2.5999999	0.82499999
TCRD030DT	104	105	5460	26000	2.5999999	0.546
TCRD030DT	105	106	5470	38300	3.8299999	0.54699999
TCRD030DT	106	107	4570	5540	0.55400002	0.45699999
TCRD030DT	107	108	1540	11100	1.11	0.154
TCRD030DT	108	109	1060	33800	3.3800001	0.106
TCRD030DT	109	110	1650	25700	2.5699999	0.16500001
TCRD030DT	110	111	310	8530	0.85299999	3.10E-02
TCRD030DT	111	112	1610	31800	3.1800001	0.161
TCRD030DT	112	113	1830	24800	2.48	0.183
TCRD030DT	113	114	1440	16050	1.605	0.14399999
TCRD030DT	114	115	3880	11450	1.145	0.38800001
TCRD030DT	115	116	830	4480	0.44800001	8.30E-02

TCRD030DT	116	117	820	4460	0.44600001	8.20E-02
TCRD030DT	118	119	190	1450	0.145	1.90E-02
TCRD030DT	119	120	120	580	5.80E-02	0.012
TCRD030DT	120	121	50	470	4.70E-02	5.00E-03
TCRD030DT	121	122	20	180	1.80E-02	2.00E-03
TCRD030DT	122	123	30	400	4.00E-02	0.003
TCRD030DT	123	124	40	1720	0.17200001	4.00E-03
TCRD030DT	124	125	20	3520	0.352	2.00E-03
TCRD030DT	125	126	70	11800	1.1799999	7.00E-03
TCRD030DT	126	127	10	1420	0.142	0.001
TCRD030DT	127	128	10	1140	0.114	0.001
TCRD030DT	128	129	10	1080	0.108	0.001
TCRD030DT	129	130	10	1560	0.156	0.001
TCRD030DT	130	131	10	1780	0.178	0.001
TCRD030DT	131	132	50	10400	1.04	5.00E-03
TCRD030DT	132	133	30	6940	0.69400001	0.003
TCRD030DT	133	134	40	7690	0.76899999	4.00E-03
TCRD030DT	134	136	200	890	8.90E-02	0.02
TCRD030DT	136	138	1030	150	0.015	0.103
TCRD030DT	138	140	10	20	2.00E-03	0.001
TCRD030DT	140	142	20	10	0.001	2.00E-03
TCRD030DT	142	144	10	10	0.001	0.001
TCRD030DT	144	146	10	10	0.001	0.001
TCRD030DT	146	148	10	-10	-0.001	0.001
TCRD030DT	148	150	10	-10	-0.001	0.001
TCRD030DT	150	152	10	10	0.001	0.001
TCRD030DT	152	154	10	10	0.001	0.001
TCRD030DT	154	156	10	-10	-0.001	0.001
TCRD030DT	156	158	10	10	0.001	0.001
TCRD030DT	158	160	10	10	0.001	0.001
TCRD030DT	160	162	30	180	1.80E-02	0.003
TCRD030DT	162	164	60	1010	0.101	6.00E-03
TCRD030DT	164	166	70	50	5.00E-03	7.00E-03
TCRD030DT	166	168	10	10	0.001	0.001
TCRD030DT	168	170	20	30	0.003	2.00E-03
TCRD030DT	170	172	10	10	0.001	0.001
TCRD030DT	172	174	20	10	0.001	2.00E-03
TCRD030DT	174	176	20	10	0.001	2.00E-03
TCRD030DT	176	178	20	20	2.00E-03	2.00E-03
TCRD030DT	178	180	10	10	0.001	0.001
TCRD030DT	180	182	10	10	0.001	0.001
TCRD030DT	182	184	10	10	0.001	0.001
TCRD030DT	184	186	10	30	0.003	0.001
TCRD030DT	186	188	10	10	0.001	0.001
TCRD030DT	188	190	-10	10	0.001	-0.001
TCRD030DT	190	192	10	10	0.001	0.001
TCRD030DT	192	194	10	10	0.001	0.001
TCRD030DT	194	196	10	50	5.00E-03	0.001
TCRD030DT	196	198	10	10	0.001	0.001
TCRD030DT	198	200	10	10	0.001	0.001
TCRD030DT	200	202	10	-10	-0.001	0.001
TCRD030DT	202	204	10	10	0.001	0.001
TCRD030DT	204	206	10	10	0.001	0.001
TCRD030DT	206	208	10	10	0.001	0.001
TCRD030DT	208	210	10	40	4.00E-03	0.001
TCRD030DT	210	212	20	10	0.001	2.00E-03
TCRD030DT	212	214	10	-10	-0.001	0.001
TCRD030DT	214	216	10	10	0.001	0.001
TCRD030DT	216	218	10	10	0.001	0.001
TCRD030DT	218	220	10	-10	-0.001	0.001
TCRD030DT	220	222	10	-10	-0.001	0.001
TCRD030DT	222	224	10	20	2.00E-03	0.001
TCRD030DT	224	226	40	160	1.60E-02	4.00E-03

TCRD030DT	226	228	340	1000	0.1	3.40E-02
TCRD030DT	228	230	170	540	5.40E-02	1.70E-02
TCRD030DT	230	232	180	770	0.077	1.80E-02
TCRD030DT	232	234	300	290	2.90E-02	3.00E-02
TCRD030DT	234	236	660	270	2.70E-02	0.066
TCRD030DT	236	238	10	10	0.001	0.001
TCRD030DT	238	240	-10	10	0.001	-0.001
TCRD030DT	240	242	20	10	0.001	2.00E-03
TCRD030DT	242	244	10	10	0.001	0.001
TCRD030DT	244	246	10	10	0.001	0.001
TCRD030DT	246	248	10	10	0.001	0.001
TCRD030DT	248	250	10	10	0.001	0.001
TCRD030DT	250	252	10	10	0.001	0.001
TCRD030DT	252	254	10	40	4.00E-03	0.001
TCRD030DT	254	256	10	10	0.001	0.001
TCRD030DT	256	258	10	10	0.001	0.001
TCRD030DT	258	260	10	10	0.001	0.001
TCRD030DT	260	262	10	50	5.00E-03	0.001
TCRD030DT	262	264	10	10	0.001	0.001
TCRD030DT	264	266	10	10	0.001	0.001
TCRD030DT	266	268	10	10	0.001	0.001
TCRD030DT	268	270	10	10	0.001	0.001
TCRD030DT	270	272	10	-10	-0.001	0.001
TCRD030DT	272	274	10	-10	-0.001	0.001
TCRD030DT	274	276	-10	10	0.001	-0.001
TCRD030DT	276	278	10	10	0.001	0.001
TCRD030DT	278	280	10	10	0.001	0.001
TCRD030DT	280	282	-10	10	0.001	-0.001
TCRD030DT	282	284	10	10	0.001	0.001
TCRD030DT	284	286	10	10	0.001	0.001
TCRD030DT	286	288	10	10	0.001	0.001
TCRD030DT	288	290	10	10	0.001	0.001
TCRD030DT	290	292	10	-10	-0.001	0.001
TCRD030DT	292	292.5	10	10	0.001	0.001
TCRD035DT	105	107	30	90	9.00E-03	0.003
TCRD035DT	107	109	10	60	6.00E-03	0.001
TCRD035DT	109	111	60	40	4.00E-03	6.00E-03
TCRD035DT	111	113	100	60	6.00E-03	1.00E-02
TCRD035DT	113	115	70	160	1.60E-02	7.00E-03
TCRD035DT	115	117	30	120	0.012	0.003
TCRD035DT	117	119	30	10	0.001	0.003
TCRD035DT	119	121	40	30	0.003	4.00E-03
TCRD035DT	121	123	60	30	0.003	6.00E-03
TCRD035DT	123	125	50	310	3.10E-02	5.00E-03
TCRD035DT	125	127	20	90	9.00E-03	2.00E-03
TCRD035DT	127	129	100	330	0.033	1.00E-02
TCRD035DT	129	131	90	100	1.00E-02	9.00E-03
TCRD035DT	131	133	20	10	0.001	2.00E-03
TCRD035DT	133	135	30	10	0.001	0.003
TCRD035DT	135	137	40	20	2.00E-03	4.00E-03
TCRD035DT	137	139	50	950	9.50E-02	5.00E-03
TCRD035DT	139	141	50	30	0.003	5.00E-03
TCRD035DT	141	143	90	130	0.013	9.00E-03
TCRD035DT	143	145	140	1430	0.14300001	0.014
TCRD035DT	145	147	30	70	7.00E-03	0.003
TCRD035DT	147	149	80	60	6.00E-03	8.00E-03
TCRD035DT	149	151	120	250	0.025	0.012
TCRD035DT	151	153	20	20	2.00E-03	2.00E-03
TCRD035DT	153	155	20	40	4.00E-03	2.00E-03
TCRD035DT	155	157	30	40	4.00E-03	0.003
TCRD035DT	157	159	30	70	7.00E-03	0.003
TCRD035DT	159	161	40	80	8.00E-03	4.00E-03
TCRD035DT	161	163	30	130	0.013	0.003

TCRD035DT	163	165	50	20	2.00E-03	5.00E-03
TCRD035DT	165	167	40	20	2.00E-03	4.00E-03
TCRD035DT	167	169	60	2070	0.207	6.00E-03
TCRD035DT	169	171	140	2800	0.28	0.014
TCRD035DT	171	173	130	940	9.40E-02	0.013
TCRD035DT	173	175	30	110	0.011	0.003
TCRD035DT	175	177	30	20	2.00E-03	0.003
TCRD035DT	177	179	30	100	1.00E-02	0.003
TCRD035DT	179	181	80	410	4.10E-02	8.00E-03
TCRD035DT	181	183	20	70	7.00E-03	2.00E-03
TCRD035DT	183	185	40	70	7.00E-03	4.00E-03
TCRD035DT	185	187	30	150	0.015	0.003
TCRD035DT	187	189	50	90	9.00E-03	5.00E-03
TCRD035DT	189	191	40	90	9.00E-03	4.00E-03
TCRD035DT	191	193	30	80	8.00E-03	0.003
TCRD035DT	193	195	20	110	0.011	2.00E-03
TCRD035DT	195	197	200	2200	0.22	0.02
TCRD035DT	197	199	20	90	9.00E-03	2.00E-03
TCRD035DT	199	201	90	430	4.30E-02	9.00E-03
TCRD035DT	201	203	180	1560	0.156	1.80E-02
TCRD035DT	203	205	130	1280	0.12800001	0.013
TCRD035DT	205	207	290	3520	0.352	2.90E-02
TCRD035DT	207	209	390	5660	0.56599998	3.90E-02
TCRD035DT	209	210	280	6240	0.62400001	2.80E-02
TCRD035DT	210	211	80	1740	0.17399999	8.00E-03
TCRD035DT	211	212	60	200	0.02	6.00E-03
TCRD035DT	212	213	70	480	0.048	7.00E-03
TCRD035DT	213	214	80	70	7.00E-03	8.00E-03
TCRD035DT	214	215	70	860	8.60E-02	7.00E-03
TCRD035DT	215	216	70	220	0.022	7.00E-03
TCRD035DT	216	217	70	550	0.055	7.00E-03
TCRD035DT	217	218	60	300	3.00E-02	6.00E-03
TCRD035DT	218	219	70	570	0.057	7.00E-03
TCRD035DT	219	220	70	330	0.033	7.00E-03
TCRD035DT	220	221	70	830	8.30E-02	7.00E-03
TCRD035DT	221	222	80	520	5.20E-02	8.00E-03
TCRD035DT	222	223	70	540	5.40E-02	7.00E-03
TCRD035DT	223	224	60	870	8.70E-02	6.00E-03
TCRD035DT	224	225	130	5210	0.52100003	0.013
TCRD035DT	225	226	490	9970	0.99699998	4.90E-02
TCRD035DT	226	227	200	6620	0.662	0.02
TCRD035DT	227	228	520	3220	0.322	5.20E-02
TCRD035DT	228	229	140	1290	0.12899999	0.014
TCRD035DT	229	230	60	570	0.057	6.00E-03
TCRD035DT	230	231	150	1110	0.111	0.015
TCRD035DT	231	232	70	780	7.80E-02	7.00E-03
TCRD035DT	232	233	100	810	0.081	1.00E-02
TCRD035DT	233	234	80	1240	0.124	8.00E-03
TCRD035DT	234	235	80	16100	1.61	8.00E-03
TCRD035DT	235	236	570	7750	0.77499998	0.057
TCRD035DT	236	237	30	1020	0.102	0.003
TCRD035DT	237	238	60	1230	0.123	6.00E-03
TCRD035DT	238	239	20	1340	0.134	2.00E-03
TCRD035DT	239	240	60	2510	0.25099999	6.00E-03
TCRD035DT	240	241	30	2400	0.23999999	0.003
TCRD035DT	241	242	90	2370	0.237	9.00E-03
TCRD035DT	242	243	80	2290	0.229	8.00E-03
TCRD035DT	243	244	40	860	8.60E-02	4.00E-03
TCRD035DT	244	245	110	960	9.60E-02	0.011
TCRD035DT	245	246	150	4930	0.493	0.015
TCRD035DT	246	247	20	3960	0.396	2.00E-03
TCRD035DT	247	248	40	2420	0.242	4.00E-03
TCRD035DT	248	249	100	3520	0.352	1.00E-02

TCRD035DT	249	250	20	2680	0.26800001	2.00E-03
TCRD035DT	250	251	20	1710	0.171	2.00E-03
TCRD035DT	251	252	580	14500	1.45	5.80E-02
TCRD035DT	252	253	1060	12000	1.2	0.106
TCRD035DT	253	254	60	4500	0.44999999	6.00E-03
TCRD035DT	254	255	90	1670	0.167	9.00E-03
TCRD035DT	255	256	90	3400	0.34	9.00E-03
TCRD035DT	256	257	30	570	0.057	0.003
TCRD035DT	257	258	30	2950	0.29499999	0.003
TCRD035DT	258	259	90	5280	0.528	9.00E-03
TCRD035DT	259	260	970	4610	0.461	9.70E-02
TCRD035DT	260	261	100	9520	0.95200002	1.00E-02
TCRD035DT	261	262	360	1800	0.18000001	3.60E-02
TCRD035DT	262	263	180	1360	0.13600001	1.80E-02
TCRD035DT	263	264	290	2050	0.205	2.90E-02
TCRD035DT	264	265	350	8000	0.80000001	0.035
TCRD035DT	265	266	330	13800	1.38	0.033
TCRD035DT	266	267	110	4990	0.49900001	0.011
TCRD035DT	267	268	10	3040	0.30399999	0.001
TCRD035DT	268	269	170	6220	0.62199998	1.70E-02
TCRD035DT	269	270	150	950	9.50E-02	0.015
TCRD035DT	270	271	190	1320	0.132	1.90E-02
TCRD035DT	271	272	60	2170	0.21699999	6.00E-03
TCRD035DT	272	273	70	2630	0.26300001	7.00E-03
TCRD035DT	273	274	50	2740	0.27399999	5.00E-03
TCRD035DT	274	275	30	2100	0.20999999	0.003
TCRD035DT	275	276	220	7630	0.76300001	0.022
TCRD035DT	276	277	180	3310	0.331	1.80E-02
TCRD035DT	277	278	100	1950	0.19499999	1.00E-02
TCRD035DT	278	279	160	840	8.40E-02	1.60E-02
TCRD035DT	279	280	190	680	6.80E-02	1.90E-02
TCRD035DT	280	281	550	830	8.30E-02	0.055
TCRD035DT	281	282	340	380	3.80E-02	3.40E-02
TCRD035DT	282	283	190	390	3.90E-02	1.90E-02
TCRD035DT	283	284	150	340	3.40E-02	0.015
TCRD035DT	284	285	200	420	4.20E-02	0.02
TCRD035DT	285	287	190	330	0.033	1.90E-02
TCRD035DT	287	289	180	220	0.022	1.80E-02
TCRD035DT	289	291	170	160	1.60E-02	1.70E-02
TCRD035DT	291	293	120	240	0.024	0.012
TCRD035DT	293	295	130	90	9.00E-03	0.013
TCRD035DT	295	297	100	50	5.00E-03	1.00E-02
TCRD035DT	297	299	90	20	2.00E-03	9.00E-03
TCRD035DT	299	301	120	180	1.80E-02	0.012
TCRD035DT	301	303	130	60	6.00E-03	0.013
TCRD035DT	303	305	150	30	0.003	0.015
TCRD035DT	305	307	180	50	5.00E-03	1.80E-02
TCRD035DT	307	309	130	40	4.00E-03	0.013
TCRD035DT	309	311	80	10	0.001	8.00E-03
TCRD035DT	311	313	90	10	0.001	9.00E-03
TCRD035DT	313	315	160	10	0.001	1.60E-02
TCRD035DT	315	317	150	10	0.001	0.015
TCRD035DT	317	319	140	10	0.001	0.014
TCRD035DT	319	321	120	10	0.001	0.012
TCRD035DT	321	323	110	10	0.001	0.011
TCRD043	65	66	1450	13200	1.3200001	0.145
TCRD043	67.5	68	1280	23400	2.3399999	0.12800001
TCRD043	68	69	770	10600	1.0599999	0.077
TCRD043	69	70	320	2500	0.25	3.20E-02
TCRD043	70	71	630	34200	3.4200001	6.30E-02
TCRD043	71	72	1280	38900	3.8900001	0.12800001
TCRD043	73.5	74	4760	168700	16.870001	0.47600001
TCRD043	74	75	4670	129000	12.9	0.46700001

TCRD043	75	76	4660	18600	1.86	0.46599999
TCRD043	76	77	3220	31700	3.1700001	0.322
TCRD043	77	78	580	147400	14.74	5.80E-02
TCRD043	79.5	80	830	13100	1.3099999	8.30E-02
TCRD043	80	81	940	35200	3.52	9.40E-02
TCRD043	81	82	880	42100	4.21	0.088
TCRD043	82	83	1520	19200	1.92	0.152
TCRD043	83	84	1480	52800	5.2800002	0.148
TCRD043	84	85	1810	158200	15.82	0.18099999
TCRD043	85	86	1000	41200	4.1199999	0.1
TCRD043	86	87	1090	24500	2.45	0.109
TCRD043	87	88	1130	52400	5.2399998	0.113
TCRD043	88	89	1820	47400	4.7399998	0.182
TCRD043	89	90	1770	88800	8.8800001	0.177
TCRD043	90	91	840	26600	2.6600001	8.40E-02
TCRD043	91	92	2730	76200	7.6199999	0.273
TCRD043	92	93	2170	68400	6.8400002	0.21699999
TCRD043	93	94	1240	19200	1.92	0.124
TCRD043	94	95	1870	19300	1.9299999	0.18700001
TCRD043	95	96	1630	17200	1.72	0.163
TCRD043	96	97	1830	86700	8.6700001	0.183
TCRD043	97	98	1100	42200	4.2199998	0.11
TCRD043	98	99	350	16700	1.67	0.035
TCRD043	99	100	330	20900	2.0899999	0.033
TCRD043	100	101	670	103000	10.3	6.70E-02
TCRD043	101	102	1620	206100	20.610001	0.162
TCRD043	102	103	710	41400	4.1399999	7.10E-02
TCRD043	103	104	1110	9400	0.94	0.111
TCRD043	104	105	1500	14400	1.4400001	0.15000001
TCRD043	106.5	107	8440	42400	4.2399998	0.84399998
TCRD043	107	108	2160	42600	4.2600002	0.21600001
TCRD043	108	109	3960	14300	1.4299999	0.396
TCRD043	109	110	1880	19800	1.98	0.18799999
TCRD043	110	111	1740	49900	4.9899998	0.17399999
TCRD043	111	112	2910	38400	3.8399999	0.29100001
TCRD043	112	113	5480	36300	3.6300001	0.54799998
TCRD043	113	114	1220	26900	2.6900001	0.122
TCRD043	114	115	180	7900	0.79000002	1.80E-02
TCRD043	115	116	170	5500	0.55000001	1.70E-02
TCRD043	116	117	60	5300	0.52999997	6.00E-03
TCRD043	117	118	90	4700	0.47	9.00E-03
TCRD043	118	119	190	5100	0.50999999	1.90E-02
TCRD043	119	120	190	7300	0.73000002	1.90E-02
TCRD043	120	121	270	11200	1.12	2.70E-02
TCRD043	121	122	150	10400	1.04	0.015
TCRD043	122	123	70	6900	0.69	7.00E-03
TCRD043	123	124	130	10800	1.08	0.013
TCRD043	124	125	190	8800	0.88	1.90E-02
TCRD043	125	126	590	6100	0.61000001	0.059
TCRD043	126	127	550	10500	1.05	0.055
TCRD043	128	129	5840	22500	2.25	0.58399999
TCRD043	129	130	130	20200	2.02	0.013
TCRD043	130	131	2280	39400	3.9400001	0.228
TCRD043	131	132	440	22600	2.26	0.044
TCRD043	132	133	790	27900	2.79	7.90E-02
TCRD043	133	134	450	22800	2.28	4.50E-02
TCRD043	134	135	840	21600	2.1600001	8.40E-02
TCRD043	135	136	500	6800	0.68000001	5.00E-02
TCRD043	137	138	3400	42400	4.2399998	0.34
TCRD043	138	139	340	18500	1.85	3.40E-02
TCRD043	139	140	200	17600	1.76	0.02
TCRD043	140	141	1650	39300	3.9300001	0.16500001
TCRD043	141	142	3110	45300	4.5300002	0.31099999

TCRD043	143	144	1070	36800	3.6800001	0.107
TCRD043	144	145	1570	43400	4.3400002	0.15700001
TCRD043	145	146	420	20300	2.03	4.20E-02
TCRD043	146	147	160	34500	3.45	1.60E-02
TCRD043	147	148	600	38600	3.8599999	6.00E-02
TCRD043	148	149	1610	30600	3.0599999	0.161
TCRD043	149	150	250	33700	3.3699999	0.025
TCRD043	150	151	360	16800	1.6799999	3.60E-02
TCRD043	151	152	290	11700	1.17	2.90E-02
TCRD043	152	153	3510	11900	1.1900001	0.35100001
TCRD043	153	154	570	5700	0.56999999	0.057
TCRD043	154	155	650	5600	0.56	6.50E-02
TCRD043	155	156	240	3100	0.31	0.024
TCRD043	156	157	70	5300	0.52999997	7.00E-03
TCRD043	157	158	780	10700	1.0700001	7.80E-02
TCRD043	158	159	1140	8700	0.87	0.114
TCRD043	159	160	500	15900	1.59	5.00E-02
TCRD043	160	161	1070	16200	1.62	0.107
TCRD043	161	162	490	19800	1.98	4.90E-02
TCRD043	162	163	630	16100	1.61	6.30E-02
TCRD043	163	164	2510	9400	0.94	0.25099999
TCRD043	164	165	2460	13400	1.34	0.24600001
TCRD043	165	166	1670	4800	0.47999999	0.167
TCRD043	166	167	190	2400	0.23999999	1.90E-02
TCRD043	167	168	5480	4800	0.47999999	0.54799998
TCRD043	168	169	1950	4900	0.49000001	0.19499999
TCRD043	169	170	7040	9000	0.89999998	0.704
TCRD043	170	171	1660	8300	0.82999998	0.16599999
TCRD043	171	172	160	1400	0.14	1.60E-02
TCRD043	172	173	230	3300	0.33000001	0.023
TCRD043	173	174	6720	7400	0.74000001	0.67199999
TCRD043	174	175	1040	4100	0.41	0.104
TCRD043	175	176	770	5800	0.57999998	0.077
TCRD043	176	177	3480	4800	0.47999999	0.34799999
TCRD043	177	178	2380	7500	0.75	0.23800001
TCRD043	178	179	690	11500	1.15	6.90E-02
TCRD043	179	180	270	17500	1.75	2.70E-02
TCRD043	180	181	4280	14800	1.48	0.428
TCRD043	181	182	1010	2300	0.23	0.101
TCRD043	182	183	280	12100	1.21	2.80E-02
TCRD043	183	184	620	30000	3	6.20E-02
TCRD043	184	185	250	17000	1.7	0.025
TCRD043	185	186	12910	27500	2.75	1.291
TCRD043	186	187	2130	21300	2.1300001	0.213
TCRD043	187	188	1800	20400	2.04	0.18000001
TCRD043	188	189	1540	28700	2.8699999	0.154
TCRD043	189	190	1060	16100	1.61	0.106
TCRD043	190	191	310	5100	0.50999999	3.10E-02
TCRD043	191	192	350	23800	2.3800001	0.035
TCRD043	192	193	430	39600	3.96	4.30E-02
TCRD043	193	194	810	29900	2.99	0.081
TCRD043	194	195	120	16500	1.65	0.012
TCRD043	195	196	120	10700	1.0700001	0.012
TCRD043	196	197	160	17400	1.74	1.60E-02
TCRD043	197	198	180	5900	0.58999997	1.80E-02
TCRD043	198	199	520	16200	1.62	5.20E-02
TCRD043	199	200	300	4000	0.40000001	3.00E-02
TCRD043	200	201	200	4900	0.49000001	0.02
TCRD043	201	202	210	8600	0.86000001	0.021
TCRD043	202	203	130	7800	0.77999997	0.013
TCRD043	203	204	190	11200	1.12	1.90E-02
TCRD043	204	205	290	11300	1.13	2.90E-02
TCRD043	205	206	140	9000	0.89999998	0.014

TCRD043	206	207	120	7300	0.73000002	0.012
TCRD043	207	208	90	6500	0.64999998	9.00E-03
TCRD043	208	209	-50	9000	0.89999998	-5.00E-03
TCRD043	209	210	70	48700	4.8699999	7.00E-03
TCRD043	210	211	100	33500	3.3499999	1.00E-02
TCRD043	211	212	-50	15700	1.5700001	-5.00E-03
TCRD043	212	213	200	11800	1.1799999	0.02
TCRD043	213	214	370	5500	0.55000001	0.037
TCRD043	214	215	280	7300	0.73000002	2.80E-02
TCRD043	215	216	80	10700	1.0700001	8.00E-03
TCRD043	216	217	80	13000	1.3	8.00E-03
TCRD043	217	218	70	24600	2.46	7.00E-03
TCRD043	218	219	1220	20100	2.01	0.122
TCRD043	219	220	450	20000	2	4.50E-02
TCRD043	220	221	180	26600	2.6600001	1.80E-02
TCRD043	221	222	140	30300	3.03	0.014
TCRD043	222	223	160	14200	1.42	1.60E-02
TCRD043	223	224	200	12600	1.26	0.02
TCRD043	224	225	210	6900	0.69	0.021
TCRD043	225	226	190	6700	0.67000002	1.90E-02
TCRD043	226	227	250	5500	0.55000001	0.025
TCRD043	227	228	420	4100	0.41	4.20E-02
TCRD043	228	229	280	4600	0.46000001	2.80E-02
TCRD043	229	230	150	5100	0.50999999	0.015
TCRD043	230	231	570	9600	0.95999998	0.057
TCRD043	231	232	90	21900	2.1900001	9.00E-03
TCRD043	232	233	640	31900	3.1900001	6.40E-02
TCRD043	233	234	-50	28500	2.8499999	-5.00E-03
TCRD043	234	235	140	3100	0.31	0.014
TCRD043	235	236	1170	5100	0.50999999	0.117
TCRD043	236	237	200	4700	0.47	0.02
TCRD043	237	238	380	2800	0.28	3.80E-02
TCRD043	238	239	160	3300	0.33000001	1.60E-02
TCRD043	239	240	150	3600	0.36000001	0.015
TCRD043	240	241	130	5700	0.56999999	0.013
TCRD043	241	242	450	7800	0.77999997	4.50E-02
TCRD043	242	243	130	6700	0.67000002	0.013
TCRD043	243	244	70	9900	0.99000001	7.00E-03
TCRD043	244	245	150	10600	1.0599999	0.015
TCRD043	245	246	3800	16400	1.64	0.38
TCRD043	246	247	140	8600	0.86000001	0.014
TCRD043	247	248	150	3300	0.33000001	0.015
TCRD043	248	249	160	9700	0.97000003	1.60E-02
TCRD043	249	250	260	1600	0.16	2.60E-02
TCRD043	250	251	760	13900	1.39	7.60E-02
TCRD043	251	252	110	11600	1.16	0.011
TCRD043	252	253	130	3500	0.34999999	0.013
TCRD043	253	254	160	2800	0.28	1.60E-02
TCRD043	254	255	300	2600	0.25999999	3.00E-02
TCRD043	255	256	120	1300	0.13	0.012
TCRD043	256	257	200	4800	0.47999999	0.02
TCRD043	257	258	140	4400	0.44	0.014
TCRD043	258	259	100	7900	0.79000002	1.00E-02
TCRD043	259	260	750	11900	1.1900001	7.50E-02
TCRD043	260	261	530	6500	0.64999998	5.30E-02
TCRD043	261	262	140	11100	1.11	0.014
TCRD043	262	263	50	9700	0.97000003	5.00E-03
TCRD043	263	264	90	7800	0.77999997	9.00E-03
TCRD043	264	265	70	9300	0.93000001	7.00E-03
TCRD043	265	266	60	7600	0.75999999	6.00E-03
TCRD043	266	267	70	9200	0.92000002	7.00E-03
TCRD043	267	268	830	10900	1.09	8.30E-02
TCRD043	268	269	-50	8300	0.82999998	-5.00E-03

TCRD043	269	270	110	11600	1.16	0.011
TCRD043	270	271	60	12700	1.27	6.00E-03
TCRD043	271	272	-50	5800	0.57999998	-5.00E-03
TCRD043	272	273	170	6500	0.64999998	1.70E-02
TCRD043	273	274	90	10000	1	9.00E-03
TCRD043	274	275	80	15600	1.5599999	8.00E-03
TCRD043	275	276	-50	14100	1.41	-5.00E-03
TCRD043	276	277	-50	8200	0.81999999	-5.00E-03
TCRD043	277	278	1230	26200	2.6199999	0.123
TCRD043	278	279	1860	100	1.00E-02	0.186
TCRD043	279	280	90	-100	-1.00E-02	9.00E-03
TCRD043	280	281	80	200	0.02	8.00E-03
TCRD043	281	283	70	100	1.00E-02	7.00E-03
TCRD043	283	285	60	200	0.02	6.00E-03
TCRD043	285	287	70	-100	-1.00E-02	7.00E-03
TCRD043	287	289	-50	-100	-1.00E-02	-5.00E-03
TCRD043	289	291	-50	-100	-1.00E-02	-5.00E-03
TCRD043	291	293	-50	-100	-1.00E-02	-5.00E-03
TCRD043	293	295	-50	100	1.00E-02	-5.00E-03
TCRD043	295	297	-50	100	1.00E-02	-5.00E-03
TCRD043	297	299	-50	100	1.00E-02	-5.00E-03
TCRD043	299	301	-50	100	1.00E-02	-5.00E-03
TCRD043	301	303	-50	-100	-1.00E-02	-5.00E-03
TCRD043	303	305	-50	-100	-1.00E-02	-5.00E-03
TCRD043	305	307	-50	300	3.00E-02	-5.00E-03
TCRD043	307	309	-50	200	0.02	-5.00E-03
TCRD043	309	311	-50	-100	-1.00E-02	-5.00E-03
TCRD043	311	313	-50	-100	-1.00E-02	-5.00E-03
TCRD043	313	315	-50	100	1.00E-02	-5.00E-03
TCRD043	315	317	-50	200	0.02	-5.00E-03
TCRD043	317	319	240	2100	0.20999999	0.024
TCRD043	319	321	60	600	6.00E-02	6.00E-03
TCRD043	321	323	-50	100	1.00E-02	-5.00E-03
TCRD043	323	325	-50	100	1.00E-02	-5.00E-03
TCRD043	325	327	-50	100	1.00E-02	-5.00E-03
TCRD043	327	329	-50	100	1.00E-02	-5.00E-03
TCRD043	329	331	-50	100	1.00E-02	-5.00E-03
TCRD043	331	333	-50	-100	-1.00E-02	-5.00E-03
TCRD043	333	335	-50	-100	-1.00E-02	-5.00E-03
TCRD043	335	337	-50	-100	-1.00E-02	-5.00E-03
TCRD043	337	339	-50	-100	-1.00E-02	-5.00E-03
TCRD043	339	341	-50	-100	-1.00E-02	-5.00E-03
TCRD043	341	343	-50	-100	-1.00E-02	-5.00E-03
TCRD043	343	345	-50	-100	-1.00E-02	-5.00E-03
TCRD043	345	347	-50	-100	-1.00E-02	-5.00E-03
TCRD043	347	349	-50	-100	-1.00E-02	-5.00E-03
TCRD043	349	351	-50	200	0.02	-5.00E-03
TCRD043	351	353	-50	-100	-1.00E-02	-5.00E-03
TCRD043	353	355	-50	-100	-1.00E-02	-5.00E-03
TCRD043	355	357	-50	-100	-1.00E-02	-5.00E-03
TCRD043	357	359	-50	-100	-1.00E-02	-5.00E-03
TCRD043	359	361	-50	100	1.00E-02	-5.00E-03
TCRD043	361	363	-50	100	1.00E-02	-5.00E-03
TCRD043	363	365	-50	-100	-1.00E-02	-5.00E-03
TCRD043	365	367	-50	100	1.00E-02	-5.00E-03
TCRD043	367	369	-50	-100	-1.00E-02	-5.00E-03
TCRD043	369	371	-50	100	1.00E-02	-5.00E-03
TCRD043	371	373	-50	100	1.00E-02	-5.00E-03
TCRD043	373	375	-50	100	1.00E-02	-5.00E-03
TCRD043	375	375.79999	-50	-100	-1.00E-02	-5.00E-03
TCRD042	94	95	1140	9400	0.94	0.114
TCRD042	95	96	80	5900	0.58999997	8.00E-03
TCRD042	96	97	100	4600	0.46000001	1.00E-02

TCRD042	97	98	560	9700	0.97000003	5.60E-02
TCRD042	98	99	1700	9700	0.97000003	0.17
TCRD042	99	100	880	15000	1.5	0.088
TCRD042	100	101	3980	15600	1.5599999	0.398
TCRD042	101	102	940	13900	1.39	9.40E-02
TCRD042	102	103	990	14800	1.48	9.90E-02
TCRD042	103	104	1440	22100	2.21	0.14399999
TCRD042	104	105	730	14700	1.47	7.30E-02
TCRD042	106	107	1770	25700	2.5699999	0.177
TCRD042	107	108	630	9300	0.93000001	6.30E-02
TCRD042	108	109	200	8800	0.88	0.02
TCRD042	109	110	740	12800	1.28	7.40E-02
TCRD042	110	111	250	12100	1.21	0.025
TCRD042	111	112	150	10700	1.0700001	0.015
TCRD042	112	113	240	12000	1.2	0.024
TCRD042	113	114	200	10700	1.0700001	0.02
TCRD042	114	115	110	6600	0.66000003	0.011
TCRD042	115	116	110	8000	0.80000001	0.011
TCRD042	116	117	50	8200	0.81999999	5.00E-03
TCRD042	119	120	550	2100	0.20999999	0.055
TCRD042	120	121	500	6500	0.64999998	5.00E-02
TCRD042	121	122	370	8800	0.88	0.037
TCRD042	122	123	200	12700	1.27	0.02
TCRD042	123	124	50	7100	0.70999998	5.00E-03
TCRD042	124	125	50	8300	0.82999998	5.00E-03
TCRD042	125	126	70	9000	0.89999998	7.00E-03
TCRD042	126	127	120	14700	1.47	0.012
TCRD042	127	128	50	7600	0.75999999	5.00E-03
TCRD042	128	129	180	7700	0.76999998	1.80E-02
TCRD042	129	130	80	900	9.00E-02	8.00E-03
TCRD042	130	131	50	2700	0.27000001	5.00E-03
TCRD042	131	132	60	2400	0.23999999	6.00E-03
TCRD042	132	133	120	2700	0.27000001	0.012
TCRD042	133	134	220	6600	0.66000003	0.022
TCRD042	134	135	150	2700	0.27000001	0.015
TCRD042	135	136	-50	1200	0.12	-5.00E-03
TCRD042	136	137	-50	600	6.00E-02	-5.00E-03
TCRD042	137	138	70	9700	0.97000003	7.00E-03
TCRD042	138	139	200	14300	1.4299999	0.02
TCRD042	139	140	90	7700	0.76999998	9.00E-03
TCRD042	140	141	-50	2700	0.27000001	-5.00E-03
TCRD042	141	142	-50	7900	0.79000002	-5.00E-03
TCRD042	142	143	-50	4100	0.41	-5.00E-03
TCRD042	143	144	-50	3200	0.31999999	-5.00E-03
TCRD042	144	145	-50	1200	0.12	-5.00E-03
TCRD042	145	145.5	-50	400	4.00E-02	-5.00E-03
TCDH033	0	2	175	410	4.10E-02	0.0175
TCDH033	2	4	219	300	3.00E-02	0.0219
TCDH033	4	6	251	240	0.024	0.0251
TCDH033	6	8	277	270	2.70E-02	0.0277
TCDH033	8	10	256	300	3.00E-02	2.56E-02
TCDH033	10	12	122	370	0.037	0.0122
TCDH033	12	14	264	290	2.90E-02	0.0264
TCDH033	14	16	371	310	3.10E-02	3.71E-02
TCDH033	16	18	308	300	3.00E-02	0.0308
TCDH033	18	20	185	350	0.035	0.0185
TCDH033	20	21	151	430	4.30E-02	0.0151
TCDH033	21	22	220	570	0.057	0.022
TCDH033	22	23	321	710	7.10E-02	3.21E-02
TCDH033	23	24	158	680	6.80E-02	1.58E-02
TCDH033	24	25	145	900	9.00E-02	0.0145
TCDH033	25	26	167	1090	0.109	0.0167
TCDH033	26	27	176	940	9.40E-02	0.0176

TCDH033	27	28	114	1280	0.12800001	0.0114
TCDH033	28	29	137	1270	0.127	0.0137
TCDH033	29	30	95	1370	0.13699999	9.50E-03
TCDH033	30	31	111	1300	0.13	0.0111
TCDH033	31	32	91	1350	0.13500001	9.10E-03
TCDH033	32	33	178	1550	0.155	0.0178
TCDH033	33	34	116	2370	0.237	0.0116
TCDH033	34	35	94	1330	0.133	9.40E-03
TCDH033	35	36	94	2120	0.212	9.40E-03
TCDH033	36	37	130	6470	0.64700001	0.013
TCDH033	37	38	93	4950	0.495	0.0093
TCDH033	38	39	95	5920	0.59200001	9.50E-03
TCDH033	39	40	95	3230	0.32300001	9.50E-03
TCDH033	40	41	119	2310	0.23100001	0.0119
TCDH033	41	42	106	3950	0.39500001	0.0106
TCDH033	42	43	148	5770	0.57700002	0.0148
TCDH033	43	44	151	14700	1.47	0.0151
TCDH033	44	45	122	1630	0.163	0.0122
TCDH033	45	46	158	18700	1.87	1.58E-02
TCDH033	46	47	265	1910	0.191	0.0265
TCDH033	47	48	217	11400	1.14	0.0217
TCDH033	48	49	528	23300	2.3299999	0.0528
TCDH033	49	50	436	18700	1.87	0.0436
TCDH033	50	51	616	13800	1.38	0.0616
TCDH033	51	52	295	10400	1.04	0.0295
TCDH033	52	53	265	16500	1.65	0.0265
TCDH033	53	54	227	10600	1.0599999	2.27E-02
TCDH033	54	55	533	27500	2.75	5.33E-02
TCDH033	55	56	589	20300	2.03	5.89E-02
TCDH033	56	57	355	17000	1.7	3.55E-02
TCDH033	57	58	351	66100	6.6100001	3.51E-02
TCDH033	58	59	228	16200	1.62	0.0228
TCDH033	59	60	608	89800	8.9799995	6.08E-02
TCDH033	60	61	428	110000	11	4.28E-02
TCDH033	61	62	282	29300	2.9300001	2.82E-02
TCDH033	62	63	323	41800	4.1799998	3.23E-02
TCDH033	63	64	278	55400	5.54	2.78E-02
TCDH033	64	65	346	112000	11.2	3.46E-02
TCDH033	65	66	99	20700	2.0699999	9.90E-03
TCDH033	66	67	181	100000	10	1.81E-02
TCDH033	67	68	259	21900	2.1900001	2.59E-02
TCDH033	68	69	399	38800	3.8800001	3.99E-02
TCDH033	69	70	493	55000	5.5	0.0493
TCDH033	70	71	107	32900	3.29	0.0107
TCDH033	71	72	113	78000	7.8000002	0.0113
TCDH033	72	73	65	28900	2.8900001	6.50E-03
TCDH033	73	74	275	31200	3.1199999	0.0275
TCDH033	74	75	90	25800	2.5799999	9.00E-03
TCDH033	75	76	21	16600	1.66	2.10E-03
TCDH033	76	77	16	3820	0.382	0.0016
TCDH033	77	78	114	58600	5.8600001	0.0114
TCDH033	78	79	76	42900	4.29	7.60E-03
TCDH033	79	80	68	20400	2.04	6.80E-03
TCDH033	80	81	28	7010	0.70099998	2.80E-03
TCDH033	81	82	530	109000	10.9	5.30E-02
TCDH033	82	83	4810	208000	20.799999	0.48100001
TCDH033	83	84	7950	106000	10.6	0.79500002
TCDH033	85	86	9340	106000	10.6	0.93400002
TCDH033	86	87	575	59500	5.9499998	5.75E-02
TCDH033	87	88	157	31800	3.1800001	1.57E-02
TCDH033	88	89	4860	164000	16.4	0.486
TCDH033	89	90	2650	157000	15.7	0.26499999
TCDH033	90	91	1540	91100	9.1099997	0.154

TCDH033	91	92	518	69800	6.98	5.18E-02
TCDH033	92	93	2080	87200	8.7200003	0.208
TCDH033	93	94	68	25100	2.51	6.80E-03
TCDH033	94	95	658	90700	9.0699997	6.58E-02
TCDH033	95	96	537	48200	4.8200002	0.0537
TCDH033	96	97	314	48700	4.8699999	3.14E-02
TCDH033	97	98	96	34600	3.46	9.60E-03
TCDH033	98	99	203	56800	5.6799998	2.03E-02
TCDH033	100	101	266	119000	11.9	0.0266
TCDH033	101	102	268	60300	6.0300002	2.68E-02
TCDH033	102	103	159	42300	4.23	1.59E-02
TCDH033	103	104	119	59200	5.9200001	0.0119
TCDH033	104	105	259	73600	7.3600001	2.59E-02
TCDH033	106	107	233	119000	11.9	0.0233
TCDH033	107	108	242	49000	4.9000001	0.0242
TCDH033	109	110	104	19000	1.9	0.0104
TCDH033	110	111	613	10300	1.03	6.13E-02
TCDH033	111	112	217	17200	1.72	0.0217
TCDH033	112	113	467	11700	1.17	4.67E-02
TCDH033	113	114	444	18500	1.85	4.44E-02
TCDH033	114	115	972	60400	6.04	9.72E-02
TCDH033	115	116	571	4610	0.461	5.71E-02
TCDH033	116	117	267	2290	0.229	2.67E-02
TCDH033	117	118	1430	10100	1.01	0.14300001
TCDH033	118	119	194	2700	0.27000001	1.94E-02
TCDH033	119	120	537	18300	1.83	0.0537
TCDH033	120	121	856	10600	1.0599999	8.56E-02
TCDH033	121	122	382	7080	0.708	3.82E-02
TCDH033	122	123	806	36600	3.6600001	8.06E-02
TCDH033	123	124	501	14000	1.4	5.01E-02
TCDH033	124	125	873	7010	0.70099998	8.73E-02
TCDH033	125	126	301	4640	0.46399999	3.01E-02
TCDH033	126	127	416	10200	1.02	0.0416
TCDH033	127	128	182	8250	0.82499999	1.82E-02
TCDH033	128	129	842	23200	2.3199999	8.42E-02
TCDH033	130	131	199	19600	1.96	0.0199
TCDH033	131	132	1020	29300	2.9300001	0.102
TCDH033	133	134	1100	5810	0.58099997	0.11
TCDH033	134	135	1060	12900	1.29	0.106
TCDH033	135	136	847	19600	1.96	8.47E-02
TCDH033	136	137	587	33500	3.3499999	5.87E-02
TCDH033	137	138	293	14500	1.45	2.93E-02
TCDH033	139	140	582	38600	3.8599999	5.82E-02
TCDH033	142	143	433	17400	1.74	4.33E-02
TCDH033	148	149	1780	88300	8.8299999	0.178
TCDH033	149	150	206	16300	1.63	0.0206
TCDH033	163	164	852	13100	1.3099999	8.52E-02
TCDH033	164	165	201	19900	1.99	2.01E-02
TCDH033	166	167	74	5450	0.54500002	0.0074
TCDH033	167	168	63	2310	0.23100001	0.0063
TCDH033	168	169	112	1620	0.162	0.0112
TCDH033	169	170	88	7260	0.72600001	0.0088
TCDH033	170	171	53	40200	4.02	5.30E-03
TCDH033	172	173	60	12100	1.21	6.00E-03
TCDH033	173	174	51	4620	0.46200001	5.10E-03
TCDH033	174	175	43	3370	0.33700001	4.30E-03
TCDH033	175	176	40	3140	0.31400001	4.00E-03
TCDH033	176	177	50	5620	0.56199998	5.00E-03
TCDH033	177	178	44	20200	2.02	0.0044
TCDH033	178	179	20	20500	2.05	2.00E-03
TCDH033	179	180	31	6930	0.69300002	3.10E-03
TCDH033	180	181	86	23000	2.3	8.60E-03
TCDH033	181	182	56	16600	1.66	5.60E-03

TCDH033	182	183	43	9220	0.92199999	4.30E-03
TCDH033	183	184	55	2900	0.28999999	0.0055
TCDH033	184	185	40	4090	0.40900001	4.00E-03
TCDH033	185	186	120	11300	1.13	0.012
TCDH033	186	187	39	4930	0.493	3.90E-03
TCDH033	187	188	45	9200	0.92000002	4.50E-03
TCDH033	188	189	54	14200	1.42	5.40E-03
TCDH033	189	190	35	17000	1.7	3.50E-03
TCDH033	190	191	29	2090	0.20900001	0.0029
TCDH033	191	192	47	5400	0.54000002	4.70E-03
TCDH033	192	193	56	9840	0.98400003	5.60E-03
TCDH033	193	194	60	13900	1.39	6.00E-03
TCDH033	194	195	33	12400	1.24	0.0033
TCDH033	195	196	72	13900	1.39	7.20E-03
TCDH033	196	197	93	7440	0.74400002	0.0093
TCDH033	197	198	1500	6260	0.62599999	0.15000001
TCDH033	198	199	1870	18100	1.8099999	0.18700001
TCDH033	199	200	720	8370	0.83700001	7.20E-02
TCDH033	200	201	105	9830	0.98299998	0.0105
TCDH033	201	202	74	20400	2.04	0.0074
TCDH033	202	203	38	8220	0.82200003	3.80E-03
TCDH033	203	204	64	2070	0.207	6.40E-03
TCDH033	204	205	499	4070	0.40700001	4.99E-02
TCDH033	205	206	365	5320	0.53200001	3.65E-02
TCDH033	206	207	308	3880	0.38800001	0.0308
TCDH033	207	208	35	230	0.023	3.50E-03
TCDH033	208	209	12	50	5.00E-03	1.20E-03
TCDH033	209	210	16	90	9.00E-03	0.0016
TCDH033	210	211	20	80	8.00E-03	2.00E-03
TCDH033	211	212	1040	480	0.048	0.104
TCDH033	212	213	261	10900	1.09	0.0261
TCDH033	213	214	51	7860	0.78600001	5.10E-03
TCDH033	214	215	37	11000	1.1	0.0037
TCDH033	215	216	37	6920	0.69199997	0.0037
TCDH033	216	217	59	24000	2.4000001	5.90E-03
TCDH033	217	218	95	16900	1.6900001	9.50E-03
TCDH033	218	219	82	13700	1.37	0.0082
TCDH033	219	220	91	17300	1.73	9.10E-03
TCDH033	220	221	64	6110	0.611	6.40E-03
TCDH033	221	222	688	14600	1.46	6.88E-02
TCDH033	222	223	81	89800	8.9799995	8.10E-03
TCDH033	223	224	17	49200	4.9200001	0.0017
TCDH033	224	225	10	65700	6.5700002	0.001
TCDH033	225	226	40	90900	9.0900002	4.00E-03
TCDH033	226	227	49	65500	6.5500002	4.90E-03
TCDH033	227	228	51	62300	6.23	5.10E-03
TCDH033	228	229	44	80600	8.0600004	0.0044
TCDH033	229	230	68	88500	8.8500004	6.80E-03
TCDH033	230	231	58	59200	5.9200001	5.80E-03
TCDH033	231	232	799	23000	2.3	7.99E-02
TCDH033	232	233	50	90	9.00E-03	5.00E-03
TCDH033	233	234	56	30	0.003	5.60E-03
TCDH033	234	235	66	-10	-0.001	0.0066
TCDH033	235	236	47	10	0.001	4.70E-03
TCDH033	236	237	43	10	0.001	4.30E-03
TCDH033	237	238	51	-10	-0.001	5.10E-03
TCDH033	238	239	43	-10	-0.001	4.30E-03
TCDH033	239	240	57	40	4.00E-03	5.70E-03
TCDH033	240	241	56	20	2.00E-03	5.60E-03
TCDH033	241	242	62	20	2.00E-03	6.20E-03
TCDH033	242	243	73	110	0.011	7.30E-03
TCDH033	243	244	90	220	0.022	9.00E-03
TCDH033	244	245	62	30	0.003	6.20E-03

TCDH033	245	246	60	10	0.001	6.00E-03
TCDH033	246	247	36	20	2.00E-03	3.60E-03
TCDH033	247	248	52	40	4.00E-03	0.0052
TCDH033	248	249	62	20	2.00E-03	6.20E-03
TCDH033	249	250	44	10	0.001	0.0044
TCDH033	250	251	41	-10	-0.001	0.0041
TCDH033	251	252	44	-10	-0.001	0.0044
TCDH033	252	253	37	70	7.00E-03	0.0037
TCDH033	253	254	75	30	0.003	7.50E-03
TCDH033	254	255	198	1910	0.191	0.0198
TCDH033	255	256	250	5760	0.57599998	0.025
TCDH033	256	257	2610	2050	0.205	0.26100001
TCDH033	257	258	1820	2660	0.266	0.182
TCDH033	258	259	2080	3500	0.34999999	0.208
TCDH033	259	260	341	3950	0.39500001	0.0341
TCDH033	260	261	695	6160	0.616	6.95E-02
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TCDH033	262	263	419	2280	0.228	4.19E-02
TCDH033	263	264	239	2520	0.252	0.0239
TCDH033	264	265	1350	4210	0.421	0.13500001
TCDH033	265	266	765	5620	0.56199998	7.65E-02
TCDH033	266	267	87	1920	0.192	8.70E-03
TCDH033	267	268	87	440	0.044	8.70E-03
TCDH033	268	269	56	5030	0.50300002	5.60E-03
TCDH033	269	270	44	8690	0.86900002	0.0044
TCDH033	270	271	25	4110	0.41100001	2.50E-03
TCDH033	271	272	59	14600	1.46	5.90E-03
TCDH033	272	273	88	9560	0.95599997	0.0088
TCDH033	273	274	30	9810	0.98100001	0.003
TCDH033	274	275	25	3350	0.33500001	2.50E-03
TCDH033	275	276	52	3990	0.39899999	0.0052
TCDH033	276	277	111	16200	1.62	0.0111
TCDH033	277	278	124	25000	2.5	0.0124
TCDH033	278	279	200	1480	0.148	0.02
TCDH033	279	280	865	90	9.00E-03	8.65E-02
TCDH033	280	281	641	210	0.021	6.41E-02
TCDH033	281	282	504	670	6.70E-02	0.0504
TCDH033	282	283	358	3100	0.31	3.58E-02
TCDH033	283	284	529	12700	1.27	5.29E-02
TCDH033	284	285	1240	410	4.10E-02	0.124
TCDH033	285	286	1410	6100	0.61000001	0.141
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TCDH033	287	288	1070	80	8.00E-03	0.107
TCDH033	288	289	1530	170	1.70E-02	0.153
TCDH033	289	290	614	40	4.00E-03	0.0614
TCDH033	290	291	1220	40	4.00E-03	0.122
TCDH033	291	292	397	80	8.00E-03	3.97E-02
TCDH033	292	293	390	170	1.70E-02	3.90E-02
TCDH033	293	294	575	50	5.00E-03	5.75E-02
TCDH033	294	295	1210	110	0.011	0.121
TCDH033	295	296	720	110	0.011	7.20E-02
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TCDH033	297	298	662	40	4.00E-03	6.62E-02
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TCDH033	301	302	1430	660	0.066	0.14300001
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TCDH033	308	309	2160	140	0.014	0.21600001
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TCDH033	327	328	736	710	7.10E-02	7.36E-02
TCDH033	328	329	1410	610	6.10E-02	0.141
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TCDH033	330	331	1640	800	8.00E-02	0.164
TCDH033	331	332	4610	2320	0.23199999	0.461
TCDH033	332	333	961	470	4.70E-02	9.61E-02
TCDH033	333	334	845	2580	0.25799999	0.0845
TCDH033	334	335	2940	4580	0.458	0.294
TCDH033	335	336	1770	500	5.00E-02	0.177
TCDH033	336	337	1160	320	3.20E-02	0.116
TCDH033	337	338	1090	280	2.80E-02	0.109
TCDH033	338	339	99	20	2.00E-03	9.90E-03
TCDH033	339	340	168	20	2.00E-03	1.68E-02
TCDH033	340	341	404	50	5.00E-03	4.04E-02
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TCDH033	342	343	314	60	6.00E-03	3.14E-02
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TCDH033	344	345	496	80	8.00E-03	4.96E-02
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TCDH033	346	347	540	50	5.00E-03	5.40E-02
TCDH033	347	348	206	20	2.00E-03	0.0206
TCDH033	348	349	355	20	2.00E-03	3.55E-02
TCDH033	349	350	541	170	1.70E-02	5.41E-02
TCDH033	350	351	874	420	4.20E-02	8.74E-02
TCDH033	351	352	608	980	9.80E-02	6.08E-02
TCDH033	352	353	722	640	6.40E-02	0.0722
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TCDH033	357	358	673	60	6.00E-03	6.73E-02
TCDH033	358	359	2590	860	8.60E-02	0.259
TCDH033	359	360	691	30	0.003	0.0691
TCDH033	360	361	3520	470	4.70E-02	0.352
TCDH033	361	362	1140	560	5.60E-02	0.114
TCDH033	362	363	1260	390	3.90E-02	0.126
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TCDH041	136	137	72	32700	3.27	7.20E-03
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TCDH041	139	140	4610	66300	6.6300001	0.461
TCDH041	140	141	6140	22900	2.29	0.61400002
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TCDH041	142	143	55	11600	1.16	0.0055
TCDH041	143	144	307	11000	1.1	0.0307
TCDH041	144	145	719	9030	0.903	7.19E-02
TCDH041	145	146	534	7660	0.76599997	5.34E-02
TCDH041	146	147	140	5700	0.56999999	0.014
TCDH041	147	148	1510	9140	0.91399997	0.15099999
TCDH041	148	149	63	5700	0.56999999	0.0063
TCDH041	149	150	459	13300	1.33	4.59E-02
TCDH041	150	151	1110	6030	0.60299999	0.111
TCDH041	151	152	12400	10900	1.09	1.24
TCDH041	152	153	1510	4000	0.40000001	0.15099999
TCDH041	153	154	606	5420	0.542	6.06E-02
TCDH041	154	155	1590	9970	0.99699998	0.15899999
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TCDH041	156	157	129	7300	0.73000002	0.0129
TCDH041	157	158	192	7020	0.70200002	1.92E-02
TCDH041	158	159	150	9160	0.91600001	0.015
TCDH041	159	160	108	5000	0.5	0.0108
TCDH041	160	161	92	4150	0.41499999	9.20E-03
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TCDH041	162	163	83	3620	0.36199999	8.30E-03
TCDH041	163	164	70	4110	0.41100001	7.00E-03
TCDH041	164	165	61	2690	0.26899999	6.10E-03
TCDH041	165	166	37	4720	0.472	0.0037
TCDH041	166	167	63	3470	0.347	0.0063
TCDH041	167	168	60	3310	0.331	6.00E-03

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TCDH041	170	171	35	4600	0.46000001	3.50E-03
TCDH041	171	172	13	5710	0.57099998	0.0013
TCDH041	172	173	76	3150	0.315	7.60E-03
TCDH041	173	174	65	4010	0.40099999	6.50E-03
TCDH041	174	175	718	8270	0.82700002	7.18E-02
TCDH041	175	176	1550	6070	0.60699999	0.155
TCDH041	176	177	64	8350	0.83499998	6.40E-03
TCDH041	177	178	55	5380	0.53799999	0.0055
TCDH041	178	179	55	4080	0.40799999	0.0055
TCDH041	179	180	80	2050	0.205	8.00E-03
TCDH041	180	181	82	2810	0.28099999	0.0082
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TCDH041	185	186	94	7020	0.70200002	9.40E-03
TCDH041	186	187	84	6900	0.69	8.40E-03
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TCDH041	188	189	105	6830	0.68300003	0.0105
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TCDH041	190	191	107	18800	1.88	0.0107
TCDH041	191	192	84	8370	0.83700001	8.40E-03
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TCDH041	193	194	234	13100	1.3099999	2.34E-02
TCDH041	194	195	1130	11800	1.1799999	0.113
TCDH041	195	196	200	12200	1.22	0.02
TCDH041	196	197	1220	36000	3.5999999	0.122
TCDH041	197	198	409	33700	3.3699999	4.09E-02
TCDH041	198	199	266	24100	2.4100001	0.0266
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TCDH041	213	214	141	42100	4.21	0.0141
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TCDH041	215	216	62	30600	3.0599999	6.20E-03
TCDH041	216	217	119	23400	2.3399999	0.0119
TCDH041	217	218	58	26100	2.6099999	5.80E-03
TCDH041	218	219	67	22600	2.26	6.70E-03
TCDH041	219	220	16	13400	1.34	0.0016
TCDH041	220	221	72	11800	1.1799999	7.20E-03
TCDH041	221	222	55	20800	2.0799999	0.0055
TCDH041	222	223	70	18700	1.87	7.00E-03
TCDH041	223	224	24	8120	0.81199998	2.40E-03
TCDH041	224	225	196	43500	4.3499999	0.0196
TCDH041	225	226	296	41000	4.0999999	0.0296
TCDH041	226	227	49	13500	1.35	4.90E-03
TCDH041	227	228	66	45000	4.5	0.0066
TCDH041	228	229	161	10900	1.09	1.61E-02
TCDH041	229	230	79	11400	1.14	7.90E-03
TCDH041	230	231	170	25900	2.5899999	1.70E-02

TCDH041	231	232	137	89800	8.9799995	0.0137
TCDH041	232	233	66	11100	1.11	0.0066
TCDH041	233	234	46	15300	1.53	4.60E-03
TCDH041	234	235	19	10100	1.01	0.0019
TCDH041	235	236	129	6280	0.62800002	0.0129
TCDH041	236	237	161	29900	2.99	1.61E-02
TCDH041	237	238	96	36100	3.6099999	9.60E-03
TCDH041	238	239	18	8660	0.866	0.0018
TCDH041	239	240	45	10600	1.0599999	4.50E-03
TCDH041	240	241	74	6630	0.66299999	0.0074
TCDH041	241	242	89	8920	0.89200002	8.90E-03
TCDH041	242	243	103	46300	4.6300001	0.0103
TCDH041	243	244	148	51200	5.1199999	0.0148
TCDH041	244	245	125	15500	1.55	0.0125
TCDH041	245	246	41	10400	1.04	0.0041
TCDH041	246	247	8	8780	0.87800002	8.00E-04
TCDH041	247	248	78	12900	1.29	7.80E-03
TCDH041	248	249	132	38500	3.8499999	0.0132
TCDH041	249	250	2	9540	0.954	2.00E-04
TCDH041	250	251	-1	4090	0.40900001	-1.00E-04
TCDH041	251	252	43	4460	0.44600001	4.30E-03
TCDH041	252	253	48	6650	0.66500002	4.80E-03
TCDH041	253	254	196	9890	0.98900002	0.0196
TCDH041	254	255	60	15100	1.51	6.00E-03
TCDH041	255	256	1080	41600	4.1599998	0.108
TCDH041	256	257	54	14200	1.42	5.40E-03
TCDH041	257	258	446	6350	0.63499999	4.46E-02
TCDH041	258	259	450	5390	0.53899997	4.50E-02
TCDH041	259	260	278	1950	0.19499999	2.78E-02
TCDH041	260	261	79	4900	0.49000001	7.90E-03
TCDH041	261	262	106	3750	0.375	0.0106
TCDH041	262	263	96	1850	0.185	9.60E-03
TCDH041	263	264	177	3540	0.354	0.0177
TCDH041	264	265	61	1600	0.16	6.10E-03
TCDH041	265	266	600	10100	1.01	6.00E-02
TCDH041	266	267	299	8610	0.861	2.99E-02
TCDH041	267	268	57	6620	0.662	5.70E-03
TCDH041	268	269	120	5650	0.565	0.012
TCDH041	269	270	193	1560	0.156	1.93E-02
TCDH041	270	271	37	4920	0.49200001	0.0037
TCDH041	271	272	59	1580	0.15800001	5.90E-03
TCDH041	272	273	30	2230	0.223	0.003
TCDH041	273	274	10	1520	0.152	0.001
TCDH041	274	275	1320	3550	0.35499999	0.132
TCDH041	275	276	139	4080	0.40799999	0.0139
TCDH041	276	277	473	6540	0.65399998	0.0473
TCDH041	277	278	14	3060	0.30599999	0.0014
TCDH041	278	279	54	2130	0.213	5.40E-03
TCDH041	279	280	43	770	0.077	4.30E-03
TCDH041	280	281	27	1120	0.112	2.70E-03
TCDH041	281	282	46	3060	0.30599999	4.60E-03
TCDH041	282	283	43	4010	0.40099999	4.30E-03
TCDH041	283	284	1100	6540	0.65399998	0.11
TCDH041	284	285	475	4190	0.419	4.75E-02
TCDH041	285	286	192	4120	0.412	1.92E-02
TCDH041	286	287	123	6290	0.62900001	0.0123
TCDH041	287	288	372	2750	0.27500001	0.0372
TCDH041	288	289	1840	5830	0.583	0.184
TCDH041	289	290	446	9970	0.99699998	4.46E-02
TCDH041	290	291	184	9560	0.95599997	0.0184
TCDH041	291	292	169	2250	0.22499999	1.69E-02
TCDH041	292	293	250	6730	0.67299998	0.025
TCDH041	293	294	95	12600	1.26	9.50E-03

TCDH041	294	295	13	5730	0.57300001	0.0013
TCDH041	295	296	766	14100	1.41	0.0766
TCDH041	296	297	12	20	2.00E-03	1.20E-03
TCDH041	297	298	-1	10	0.001	-1.00E-04
TCDH041	298	299	-1	-10	-0.001	-1.00E-04
TCDH041	299	300	27	-10	-0.001	2.70E-03
TCDH041	300	301	38	-10	-0.001	3.80E-03
TCDH041	301	302	35	-10	-0.001	3.50E-03
TCDH041	302	303	33	-10	-0.001	0.0033
TCDH041	303	304	38	-10	-0.001	3.80E-03
TCDH041	304	305	44	-10	-0.001	0.0044
TCDH041	305	306	34	10	0.001	0.0034
TCDH041	306	307	3710	3530	0.35299999	0.37099999
TCDH041	307	308	1630	910	9.10E-02	0.163
TCDH041	308	309	984	390	3.90E-02	9.84E-02
TCDH041	309	310	523	120	0.012	5.23E-02
TCDH041	310	311	713	1740	0.17399999	0.0713
TCDH041	311	312	688	970	9.70E-02	6.88E-02
TCDH041	312	313	413	1090	0.109	4.13E-02
TCDH041	313	314	107	7000	0.69999999	0.0107
TCDH041	314	315	439	4020	0.40200001	4.39E-02
TCDH041	315	316	372	3550	0.35499999	0.0372
TCDH041	316	317	88	2070	0.207	0.0088
TCDH041	317	318	171	1140	0.114	1.71E-02
TCDH041	318	319	33	2320	0.23199999	0.0033
TCDH041	319	320	122	1040	0.104	0.0122
TCDH041	320	321	30	6010	0.60100001	0.003
TCDH041	321	322	50	7000	0.69999999	5.00E-03
TCDH041	322	323	66	2630	0.26300001	0.0066
TCDH041	323	324	106	3760	0.37599999	0.0106
TCDH041	324	325	36	4140	0.414	3.60E-03
TCDH041	325	326	46	1550	0.155	4.60E-03
TCDH041	326	327	48	1070	0.107	4.80E-03
TCDH041	327	328	28	380	3.80E-02	2.80E-03
TCDH041	328	329	28	860	8.60E-02	2.80E-03
TCDH041	329	330	29	500	5.00E-02	0.0029
TCDH041	330	331	230	1380	0.138	0.023
TCDH041	331	332	102	570	0.057	0.0102
TCDH041	332	333	423	1420	0.142	4.23E-02
TCDH041	333	334	881	2480	0.248	8.81E-02
TCDH041	334	335	330	1970	0.197	0.033
TCDH041	335	336	178	1380	0.138	0.0178
TCDH041	336	337	92	1060	0.106	9.20E-03
TCDH041	337	338	126	1570	0.15700001	0.0126
TCDH041	338	339	82	1410	0.141	0.0082
TCDH041	339	340	102	5010	0.50099999	0.0102
TCDH041	340	341	37	1730	0.17299999	0.0037
TCDH041	341	342	33	990	9.90E-02	0.0033
TCDH041	342	343	40	880	0.088	4.00E-03
TCDH041	343	344	29	2020	0.20200001	0.0029
TCDH041	344	345	29	390	3.90E-02	0.0029
TCDH041	345	346	82	500	5.00E-02	0.0082
TCDH041	346	347	65	1260	0.126	6.50E-03
TCDH041	347	348	44	1360	0.13600001	0.0044
TCDH041	348	349	54	3380	0.338	5.40E-03
TCDH041	349	350	124	2850	0.285	0.0124
TCDH041	350	351	105	1350	0.13500001	0.0105
TCDH041	351	352	103	4230	0.42300001	0.0103
TCDH041	352	353	27	2290	0.229	2.70E-03
TCDH041	353	354	47	2020	0.20200001	4.70E-03
TCDH041	354	355	31	1890	0.189	3.10E-03
TCDH041	355	356	17	1650	0.16500001	0.0017
TCDH041	356	357	36	1250	0.125	3.60E-03

TCDH041	357	358	60	1010	0.101	6.00E-03
TCDH041	358	359	50	600	6.00E-02	5.00E-03
TCDH041	359	360	40	440	0.044	4.00E-03
TCDH041	360	361	58	1360	0.13600001	5.80E-03
TCDH041	361	362	127	1520	0.152	0.0127
TCDH041	362	363	201	2250	0.22499999	2.01E-02
TCDH041	363	364	70	1680	0.168	7.00E-03
TCDH041	364	365	101	5140	0.514	0.0101
TCDH041	365	366	124	1880	0.18799999	0.0124
TCDH041	366	367	64	1480	0.148	6.40E-03
TCDH041	367	368	524	1450	0.145	0.0524
TCDH041	368	369	71	1300	0.13	0.0071
TCDH041	369	370	156	820	8.20E-02	0.0156
TCDH041	370	371	202	1460	0.146	2.02E-02
TCDH041	371	372	799	2240	0.22400001	7.99E-02
TCDH041	372	373	70	1260	0.126	7.00E-03
TCDH041	373	374	119	960	9.60E-02	0.0119
TCDH041	374	375	118	610	6.10E-02	0.0118
TCDH041	375	376	102	570	0.057	0.0102
TCDH041	376	377	77	790	7.90E-02	0.0077
TCDH041	377	378	72	360	3.60E-02	7.20E-03
TCDH041	378	379	216	370	0.037	2.16E-02
TCDH041	379	380	333	260	2.60E-02	3.33E-02
TCDH041	380	381	46	90	9.00E-03	4.60E-03
TCDH041	381	382	51	60	6.00E-03	5.10E-03
TCDH041	382	383	1940	1430	0.14300001	0.19400001
TCDH041	383	384	519	2310	0.23100001	5.19E-02
TCDH041	384	385	157	490	4.90E-02	1.57E-02
TCDH041	385	386	102	2010	0.20100001	0.0102
TCDH041	386	387	103	390	3.90E-02	0.0103
TCDH041	387	388	124	2020	0.20200001	0.0124
TCDH041	388	389	90	470	4.70E-02	9.00E-03
TCDH041	389	390	97	300	3.00E-02	9.70E-03
TCDH041	390	391	487	400	4.00E-02	4.87E-02
TCDH041	391	392	162	1060	0.106	0.0162
TCDH041	392	393	116	3090	0.30899999	0.0116
TCDH041	393	394	200	2750	0.27500001	0.02
TCDH041	394	395	110	1830	0.183	0.011
TCDH041	395	396	104	1290	0.12899999	0.0104
TCDH041	396	397	437	5400	0.54000002	4.37E-02
TCDH041	397	398	98	1870	0.18700001	9.80E-03
TCDH041	398	399	107	1670	0.167	0.0107
TCDH041	399	400	106	210	0.021	0.0106
TCDH041	400	401	94	280	2.80E-02	9.40E-03
TCDH041	401	402	610	630	6.30E-02	6.10E-02
TCDH041	402	403	102	870	8.70E-02	0.0102
TCDH041	403	404	120	140	0.014	0.012
TCDH041	404	405	131	80	8.00E-03	0.0131
TCDH041	405	406	129	90	9.00E-03	0.0129
TCDH041	406	407	116	780	7.80E-02	0.0116
TCDH041	407	408	823	360	3.60E-02	0.0823
TCDH041	408	409	160	130	0.013	1.60E-02
TCDH041	409	410	109	120	0.012	0.0109
TCDH041	410	411	103	520	5.20E-02	0.0103
TCDH041	411	412	239	290	2.90E-02	0.0239
TCDH041	412	413	131	490	4.90E-02	0.0131
TCDH041	413	414	130	160	1.60E-02	0.013
TCDH041	414	415	172	110	0.011	1.72E-02
TCDH041	415	416	139	230	0.023	0.0139
TCDH041	416	417	138	110	0.011	0.0138
TCDH041	417	418	140	220	0.022	0.014
TCDH041	418	419	121	60	6.00E-03	0.0121
TCDH041	419	420	158	450	4.50E-02	1.58E-02

TCDH041	420	421	127	130	0.013	0.0127
TCDH041	421	422	143	40	4.00E-03	0.0143
TCDH041	422	423	122	80	8.00E-03	0.0122
TCDH041	423	424	123	30	0.003	0.0123
TCDH041	424	425	107	40	4.00E-03	0.0107
TCDH041	425	426	80	40	4.00E-03	8.00E-03
TCDH041	426	427	105	180	1.80E-02	0.0105
TCDH041	427	428	315	210	0.021	3.15E-02
TCDH041	428	429	285	270	2.70E-02	0.0285
TCDH041	429	430	114	30	0.003	0.0114
TCDH041	430	431	88	30	0.003	0.0088
TCDH041	431	432	87	160	1.60E-02	8.70E-03
TCDH041	432	433	93	40	4.00E-03	0.0093
TCDH041	433	434	113	190	1.90E-02	0.0113
TCDH041	434	435	115	30	0.003	0.0115
TCDH041	435	436	80	90	9.00E-03	8.00E-03
TCDH041	436	437	77	60	6.00E-03	0.0077
TCDH041	437	438	91	70	7.00E-03	9.10E-03
TCDH041	438	439	87	70	7.00E-03	8.70E-03
TCDH041	439	440	97	120	0.012	9.70E-03
TCDH041	440	441	122	260	2.60E-02	0.0122
TCDH041	441	442	2800	1350	0.13500001	0.28
TCDH041	442	443	90	440	0.044	9.00E-03
TCDH041	443	444	81	750	7.50E-02	8.10E-03
TCDH041	444	445	86	380	3.80E-02	8.60E-03
TCDH041	445	446	1280	1010	0.101	0.12800001
TCDH041	446	447	2560	2750	0.27500001	0.25600001
TCDH041	447	448	335	510	5.10E-02	3.35E-02
TCDH041	448	449	199	2250	0.22499999	0.0199
TCDH041	449	450	432	1700	0.17	4.32E-02
TCDH041	450	451	601	1000	0.1	0.0601
TCDH041	451	452	564	1990	0.199	5.64E-02
TCDH041	452	453	688	870	8.70E-02	6.88E-02
TCDH041	453	454	270	790	7.90E-02	2.70E-02
TCDH041	454	455	262	1170	0.117	0.0262
TCDH041	455	456	184	1870	0.18700001	0.0184
TCDH041	456	457	1200	1320	0.132	0.12
TCDH041	457	458	334	930	9.30E-02	3.34E-02
TCDH041	458	459	209	1440	0.14399999	0.0209
TCDH041	459	460	288	1870	0.18700001	0.0288
TCDH041	460	461	1350	1250	0.125	0.13500001
TCDH041	461	462	242	1470	0.147	0.0242
TCDH041	462	463	235	490	4.90E-02	2.35E-02
TCDH041	463	464	1170	1190	0.119	0.117
TCDH041	464	465	154	620	6.20E-02	0.0154
TCDH041	465	466	4290	3430	0.34299999	0.42899999
TCDH041	466	467	194	670	6.70E-02	1.94E-02
TCDH041	467	468	1520	1080	0.108	0.152
TCDH041	468	469	69	70	7.00E-03	6.90E-03
TCDH041	469	470	108	90	9.00E-03	0.0108
TCDH041	470	471	69	70	7.00E-03	6.90E-03
TCDH041	471	472	90	80	8.00E-03	9.00E-03
TCDH041	472	473	235	90	9.00E-03	2.35E-02
TCDH041	473	474	360	150	0.015	3.60E-02
TCDH041	474	475	51	110	0.011	5.10E-03
TCDH041	475	476	1830	880	0.088	0.183
TCDH041	476	477	132	260	2.60E-02	0.0132
TCDH041	477	478	68	20	2.00E-03	6.80E-03
TCDH041	478	479	119	40	4.00E-03	0.0119
TCDH041	479	480	112	40	4.00E-03	0.0112
TCDH041	480	481	88	50	5.00E-03	0.0088
TCDH041	481	482	95	50	5.00E-03	9.50E-03
TCDH041	482	483	117	70	7.00E-03	0.0117

TCDH041	483	484	132	850	8.50E-02	0.0132
TCDH041	484	485	185	100	1.00E-02	0.0185
TCDH041	485	486	133	160	1.60E-02	0.0133
TCDH041	486	487	189	690	6.90E-02	0.0189
TCDH041	487	488	132	830	8.30E-02	0.0132
TCDH041	488	489	422	3350	0.33500001	4.22E-02
TCDH041	489	490	4910	4530	0.45300001	0.491
TCDH041	490	491	105	660	0.066	0.0105
TCDH041	491	492	40	70	7.00E-03	4.00E-03
TCDH041	492	493	90	70	7.00E-03	9.00E-03
TCDH041	493	494	35	20	2.00E-03	3.50E-03
TCDH041	494	495	44	240	0.024	0.0044
TCDH041	495	496	82	660	0.066	0.0082
TCDH041	496	497	66	880	0.088	0.0066
TCDH041	497	498	176	1600	0.16	0.0176
TCDH041	498	499	35	730	7.30E-02	3.50E-03
TCDH041	499	500	12	110	0.011	1.20E-03
TCDH041	500	501	83	200	0.02	8.30E-03
TCDH041	501	502	75	840	8.40E-02	7.50E-03
TCDH041	502	503	52	790	7.90E-02	0.0052
TCDH041	503	504	90	1230	0.123	9.00E-03
TCDH041	504	505	91	450	4.50E-02	9.10E-03
TCDH041	505	506	12	420	4.20E-02	1.20E-03
TCDH041	506	507	43	830	8.30E-02	4.30E-03
TCDH041	507	508	34	1190	0.119	0.0034
TCDH041	508	509	80	1660	0.16599999	8.00E-03
TCDH041	509	510	50	650	6.50E-02	5.00E-03
TCDH041	510	511	30	1810	0.18099999	0.003
TCDH041	511	512	40	3500	0.34999999	4.00E-03
TCDH041	512	513	126	4820	0.48199999	0.0126
TCDH041	513	514	17	1290	0.12899999	0.0017
TCDH041	514	515	38	1250	0.125	3.80E-03
TCDH041	515	516	105	1920	0.192	0.0105
TCDH041	516	517	99	720	7.20E-02	9.90E-03
TCDH041	517	518	162	4730	0.47299999	0.0162
TCDH041	518	519	148	2970	0.29699999	0.0148
TCDH041	519	520	140	3350	0.33500001	0.014
TCDH041	520	521	242	4350	0.435	0.0242
TCDH041	521	522	123	2000	0.2	0.0123
TCDH041	522	523	116	1920	0.192	0.0116
TCDH041	523	524	84	1120	0.112	8.40E-03
TCDH041	524	525	103	450	4.50E-02	0.0103
TCDH041	525	526	56	530	5.30E-02	5.60E-03
TCDH041	526	527	99	530	5.30E-02	9.90E-03
TCDH041	527	528	202	400	4.00E-02	2.02E-02
TCDH041	528	529	182	70	7.00E-03	1.82E-02
TCDH041	529	530	86	1200	0.12	8.60E-03
TCDH041	530	531	31	10100	1.01	3.10E-03
TCDH041	531	532	108	580	5.80E-02	0.0108
TCDH041	532	533	77	50	5.00E-03	0.0077
TCDH041	533	534	112	480	0.048	0.0112
TCDH041	534	535	98	5520	0.55199999	9.80E-03
TCDH041	535	536	373	11800	1.1799999	3.73E-02
TCDH041	536	537	1150	11300	1.13	0.115
TCDH041	537	538	634	14000	1.4	0.0634
TCDH041	538	539	1930	8640	0.86400002	0.193
TCDH041	539	540	829	7590	0.759	8.29E-02
TCDH041	540	541	642	5290	0.52899998	6.42E-02
TCDH041	541	542	194	930	9.30E-02	1.94E-02
TCDH041	542	543	206	890	8.90E-02	0.0206
TCDH041	543	544	457	1610	0.161	4.57E-02
TCDH041	544	545	308	1340	0.134	0.0308
TCDH041	545	546	195	1170	0.117	0.0195

TCDH041	546	547	162	2030	0.20299999	0.0162
TCDH041	547	548	290	5200	0.51999998	2.90E-02
TCDH041	548	549	204	9310	0.93099999	2.04E-02
TCDH041	549	550	202	8750	0.875	2.02E-02
TCDH041	550	551	306	9510	0.95099998	0.0306
TCDH041	551	552	151	6910	0.69099998	0.0151
TCDH041	552	553	391	9370	0.93699998	3.91E-02
TCDH041	553	554	96	5980	0.59799999	9.60E-03
TCDH041	554	555	62	6730	0.67299998	6.20E-03
TCDH041	555	556	162	7800	0.77999997	0.0162
TCDH041	556	557	272	24400	2.4400001	0.0272
TCDH041	557	558	116	11800	1.1799999	0.0116
TCDH041	558	559	67	1700	0.17	6.70E-03
TCDH041	559	560	99	1380	0.138	9.90E-03
TCDH041	560	561	65	1020	0.102	6.50E-03
TCDH041	561	562	32	2770	0.27700001	3.20E-03
TCDH041	562	563	53	3960	0.396	5.30E-03
TCDH041	563	564	116	2000	0.2	0.0116
TCDH041	564	565	4	2730	0.273	4.00E-04
TCDH041	565	566	84	3800	0.38	8.40E-03
TCDH041	566	567	79	1450	0.145	7.90E-03
TCDH041	567	568	107	11900	1.1900001	0.0107
TCDH041	568	569	106	21000	2.0999999	0.0106
TCDH041	569	570	1020	4350	0.435	0.102
TCDH041	570	571	200	7020	0.70200002	0.02
TCDH041	571	572	129	3880	0.38800001	0.0129
TCDH041	572	573	83	2300	0.23	8.30E-03
TCDH041	573	574	7	160	1.60E-02	7.00E-04
TCDH041	574	575	96	5070	0.50700003	9.60E-03
TCDH041	575	576	31	220	0.022	3.10E-03
TCDH041	576	577	87	20	2.00E-03	8.70E-03
TCDH041	577	578	38	-10	-0.001	3.80E-03
TCDH041	578	579	-1	-10	-0.001	-1.00E-04
TCDH041	579	580	24	-10	-0.001	2.40E-03
TCDH041	580	581	6	-10	-0.001	6.00E-04
TCDH041	581	582	-1	-10	-0.001	-1.00E-04
TCDH041	582	583	43	-10	-0.001	4.30E-03
TCDH041	583	584	41	-10	-0.001	0.0041
TCDH041	584	585	33	-10	-0.001	0.0033
TCDH041	585	586	19	-10	-0.001	0.0019
TCDH041	586	587	-1	-10	-0.001	-1.00E-04
TCDH041	587	588	31	10	0.001	3.10E-03
TCDH041	588	589	-1	40	4.00E-03	-1.00E-04
TCDH041	589	590	57	-10	-0.001	5.70E-03
TCDH041	590	591	33	-10	-0.001	0.0033
TCDH041	591	592	-1	20	2.00E-03	-1.00E-04
TCDH041	592	593	13	-10	-0.001	0.0013
TCDH041	593	594	-1	-10	-0.001	-1.00E-04
TCDH041	594	595	26	-10	-0.001	0.0026
TCDH041	595	596	14	-10	-0.001	0.0014
TCDH041	596	597	-1	-10	-0.001	-1.00E-04
TCDH041	597	598	-1	90	9.00E-03	-1.00E-04
TCDH041	598	599	25	20	2.00E-03	2.50E-03
TCDH041	599	600	32	-10	-0.001	3.20E-03
TCDH041	600	601	27	-10	-0.001	2.70E-03
TCDH041	601	602	69	-10	-0.001	6.90E-03
TCDH041	602	603	4	-10	-0.001	4.00E-04
TCDH041	603	604	35	-10	-0.001	3.50E-03
TCDH041	604	605	20	-10	-0.001	2.00E-03
TCDH032	0	1	4420	22800	2.28	0.442
TCDH032	1	2	2180	13500	1.35	0.21799999
TCDH032	2	3	1170	10700	1.0700001	0.117
TCDH032	3	4	512	7610	0.76099998	5.12E-02

TCDH032	4	5	2320	29700	2.97	0.23199999
TCDH032	5	6	391	31500	3.1500001	3.91E-02
TCDH032	6	7	635	29200	2.9200001	6.35E-02
TCDH032	7	8	404	3710	0.37099999	4.04E-02
TCDH032	8	9	302	5010	0.50099999	3.02E-02
TCDH032	9	10	2330	8600	0.86000001	0.233
TCDH032	10	11	1330	18600	1.86	0.133
TCDH032	11	12	1070	9930	0.99299997	0.107
TCDH032	12	13	4320	34000	3.4000001	0.43200001
TCDH032	13	14	4980	14700	1.47	0.498
TCDH032	14	15	2730	12400	1.24	0.273
TCDH032	15	16	9180	14300	1.4299999	0.91799998
TCDH032	16	17	4400	15900	1.59	0.44
TCDH032	19	20	2160	49500	4.9499998	0.21600001
TCDH032	20	21	1380	23500	2.3499999	0.138
TCDH032	21	22	2270	22100	2.21	0.227
TCDH032	22	23	14100	33000	3.3	1.41
TCDH032	23	24	14200	96400	9.6400003	1.42
TCDH032	25	26	4910	86300	8.6300001	0.491
TCDH032	26	27	3740	131000	13.1	0.37400001
TCDH032	28	29	22200	90300	9.0299997	2.22
TCDH032	29	30	2860	56000	5.5999999	0.28600001
TCDH032	31	32	5430	118000	11.8	0.54299998
TCDH032	32	33	1670	69400	6.9400001	0.167
TCDH032	34	35	1340	19500	1.95	0.134
TCDH032	35	36	5230	28700	2.8699999	0.523
TCDH032	36	37	1950	6630	0.66299999	0.19499999
TCDH032	37	38	877	2920	0.292	8.77E-02
TCDH032	40	41	2510	21000	2.0999999	0.25099999
TCDH032	41	42	3630	9160	0.91600001	0.36300001
TCDH032	42	43	618	4000	0.40000001	6.18E-02
TCDH032	43	44	1100	5790	0.579	0.11
TCDH032	44	45	538	5400	0.54000002	5.38E-02
TCDH032	45	46	535	14300	1.4299999	0.0535
TCDH032	46	47	1050	10100	1.01	0.105
TCDH032	47	48	1290	4120	0.412	0.12899999
TCDH032	48	49	2040	5370	0.537	0.204
TCDH032	49	50	7420	23700	2.3699999	0.74199998
TCDH032	50	51	9160	37100	3.71	0.91600001
TCDH032	51	52	13000	29700	2.97	1.3
TCDH032	52	53	2880	11800	1.1799999	0.28799999
TCDH032	53	54	3350	33700	3.3699999	0.33500001
TCDH032	54	55	3180	22400	2.24	0.31799999
TCDH032	55	56	680	17800	1.78	6.80E-02
TCDH032	56	57	4090	33600	3.3599999	0.40900001
TCDH032	57	58	2790	34700	3.47	0.27900001
TCDH032	58	59	2550	32200	3.22	0.255
TCDH032	59	60	13600	25700	2.5699999	1.36
TCDH032	61	62	1600	129000	12.9	0.16
TCDH032	62	63	2320	79500	7.9499998	0.23199999
TCDH032	63	64	3950	44600	4.46	0.39500001
TCDH032	64	65	5100	80100	8.0100002	0.50999999
TCDH032	65	66	6440	62100	6.21	0.64399999
TCDH032	66	67	1310	54100	5.4099998	0.131
TCDH032	67	68	4400	29500	2.95	0.44
TCDH032	68	69	1760	51500	5.1500001	0.176
TCDH032	69	70	1500	47100	4.71	0.15000001
TCDH032	70	71	838	84200	8.4200001	8.38E-02
TCDH032	71	72	1510	84100	8.4099998	0.15099999
TCDH032	72	73	3050	35700	3.5699999	0.30500001
TCDH032	73	74	5800	18400	1.84	0.57999998
TCDH032	74	75	1870	21800	2.1800001	0.18700001
TCDH032	75	76	566	19200	1.92	5.66E-02

TCDH032	76	77	522	16900	1.6900001	5.22E-02
TCDH032	77	78	414	10500	1.05	0.0414
TCDH032	78	79	1040	14200	1.42	0.104
TCDH032	79	80	3550	20600	2.0599999	0.35499999
TCDH032	80	81	9060	18200	1.8200001	0.90600002
TCDH032	81	82	303	6350	0.63499999	3.03E-02
TCDH032	82	83	1500	24500	2.45	0.15000001
TCDH032	83	84	7470	56000	5.5999999	0.74699998
TCDH032	84	85	2820	40100	4.0100002	0.28200001
TCDH032	85	86	3460	58700	5.8699999	0.34599999
TCDH032	86	87	8950	96400	9.6400003	0.89499998
TCDH032	87	88	3020	38400	3.8399999	0.30199999
TCDH032	88	89	1760	73200	7.3200002	0.176
TCDH032	89	90	5950	67800	6.7800002	0.59500003
TCDH032	91	92	2240	19100	1.91	0.22400001
TCDH032	92	93	8900	24400	2.4400001	0.88999999
TCDH032	93	94	100	3730	0.373	1.00E-02
TCDH032	94	95	7010	11700	1.17	0.70099998
TCDH032	95	96	1260	40200	4.02	0.126
TCDH032	96	97	1170	46900	4.6900001	0.117
TCDH032	97	98	1190	42100	4.21	0.119
TCDH032	98	99	1050	115000	11.5	0.105
TCDH032	99	100	2860	41900	4.1900001	0.28600001
TCDH032	100	101	2490	5710	0.57099998	0.249
TCDH032	101	102	804	28500	2.8499999	8.04E-02
TCDH032	102	103	2320	42800	4.2800002	0.23199999
TCDH032	103	104	2210	50100	5.0100002	0.221
TCDH032	104	105	2010	32000	3.2	0.20100001
TCDH032	106	107	1050	27100	2.71	0.105
TCDH032	107	108	550	16600	1.66	0.055
TCDH032	108	109	307	10400	1.04	0.0307
TCDH032	109	110	196	19200	1.92	0.0196
TCDH032	110	111	239	18600	1.86	0.0239
TCDH032	112	113	94	11200	1.12	9.40E-03
TCDH032	113	114	49	10100	1.01	4.90E-03
TCDH032	115	116	80	8250	0.82499999	8.00E-03
TCDH032	116	117	77	12000	1.2	0.0077
TCDH032	118	119	94	5560	0.55599999	9.40E-03
TCDH032	119	120	257	13100	1.3099999	2.57E-02
TCDH032	120	121	353	16300	1.63	3.53E-02
TCDH032	121	122	201	18300	1.83	2.01E-02
TCDH032	122	123	293	13900	1.39	2.93E-02
TCDH032	123	124	54	8490	0.84899998	5.40E-03
TCDH032	124	125	456	11200	1.12	4.56E-02
TCDH032	125	126	222	9600	0.95999998	0.0222
TCDH032	126	127	184	3740	0.37400001	0.0184
TCDH032	127	128	127	4860	0.486	0.0127
TCDH032	128	129	91	4990	0.49900001	9.10E-03
TCDH032	129	130	107	12900	1.29	0.0107
TCDH032	130	131	61	11200	1.12	6.10E-03
TCDH032	131	132	74	15700	1.5700001	0.0074
TCDH032	132	133	119	11500	1.15	0.0119
TCDH032	133	134	203	7060	0.70599997	2.03E-02
TCDH032	134	135	450	30700	3.0699999	4.50E-02
TCDH032	135	136	87	7310	0.73100001	8.70E-03
TCDH032	136	137	113	11700	1.17	0.0113
TCDH032	137	138	80	6310	0.63099998	8.00E-03
TCDH032	138	139	319	8700	0.87	0.0319
TCDH032	139	140	95	7770	0.77700001	9.50E-03
TCDH032	140	141	109	9440	0.94400001	0.0109
TCDH032	141	142	666	43500	4.3499999	6.66E-02
TCDH032	142	143	73	19700	1.97	7.30E-03
TCDH032	143	144	50	3120	0.31200001	5.00E-03

TCDH032	144	145	120	7140	0.71399999	0.012
TCDH032	145	146	154	7730	0.773	0.0154
TCDH032	146	147	1870	35200	3.52	0.18700001
TCDH032	147	148	489	11700	1.17	4.89E-02
TCDH032	148	149	229	25700	2.5699999	0.0229
TCDH032	149	150	35	6380	0.63800001	3.50E-03
TCDH032	150	151	54	3920	0.39199999	5.40E-03
TCDH032	151	152	47	4970	0.49700001	4.70E-03
TCDH032	152	153	58	2910	0.29100001	5.80E-03
TCDH032	153	154	43	4700	0.47	4.30E-03
TCDH032	154	155	172	8240	0.824	1.72E-02
TCDH032	155	156	110	7000	0.69999999	0.011
TCDH032	156	157	176	7210	0.72100002	0.0176
TCDH032	157	158	267	11900	1.1900001	2.67E-02
TCDH032	158	159	697	8060	0.80599999	6.97E-02
TCDH032	159	160	274	2790	0.27900001	0.0274
TCDH032	160	161	1800	7190	0.71899998	0.18000001
TCDH032	161	162	4210	6770	0.67699999	0.421
TCDH032	162	163	1590	4060	0.40599999	0.15899999
TCDH032	163	164	5310	4900	0.49000001	0.53100002
TCDH032	164	165	8490	7360	0.736	0.84899998
TCDH032	165	166	13700	9200	0.92000002	1.37
TCDH032	166	167	26800	24100	2.4100001	2.6800001
TCDH032	167	168	31600	42700	4.27	3.1600001
TCDH032	168	169	8860	41100	4.1100001	0.88599998
TCDH032	169	170	1400	15400	1.54	0.14
TCDH032	170	171	20100	38500	3.8499999	2.01
TCDH032	171	172	9130	32400	3.24	0.91299999
TCDH032	172	173	2630	23700	2.3699999	0.26300001
TCDH032	173	174	10000	23200	2.3199999	1
TCDH032	174	175	540	30500	3.05	5.40E-02
TCDH032	175	176	317	24300	2.4300001	0.0317
TCDH032	176	177	205	43200	4.3200002	2.05E-02
TCDH032	177	178	724	38600	3.8599999	7.24E-02
TCDH032	178	179	686	27500	2.75	6.86E-02
TCDH032	179	180	4840	25600	2.5599999	0.484
TCDH032	180	181	5150	22900	2.29	0.51499999
TCDH032	181	182	5290	33800	3.3800001	0.52899998
TCDH032	182	183	201	33900	3.3900001	2.01E-02
TCDH032	183	184	52	20400	2.04	0.0052
TCDH032	184	185	48	16200	1.62	4.80E-03
TCDH032	185	186	59	25300	2.53	5.90E-03
TCDH032	186	187	64	19700	1.97	6.40E-03
TCDH032	187	188	48	18700	1.87	4.80E-03
TCDH032	188	189	53	11700	1.17	5.30E-03
TCDH032	189	190	188	45300	4.5300002	0.0188
TCDH032	190	191	86	60600	6.0599999	8.60E-03
TCDH032	191	192	8	49500	4.9499998	8.00E-04
TCDH032	192	193	124	33900	3.3900001	0.0124
TCDH032	193	194	54	23500	2.3499999	5.40E-03
TCDH032	194	195	15	17600	1.76	0.0015
TCDH032	195	196	49	20200	2.02	4.90E-03
TCDH032	196	197	1130	17700	1.77	0.113
TCDH032	197	198	62	18400	1.84	6.20E-03
TCDH032	198	199	46	29900	2.99	4.60E-03
TCDH032	199	200	46	27500	2.75	4.60E-03
TCDH032	200	201	20	18300	1.83	2.00E-03
TCDH032	201	202	18	15900	1.59	0.0018
TCDH032	202	203	253	24400	2.4400001	0.0253
TCDH032	203	204	2540	42800	4.2800002	0.25400001
TCDH032	204	205	101	30700	3.0699999	0.0101
TCDH032	205	206	8330	40400	4.04	0.833
TCDH032	206	207	823	31500	3.1500001	0.0823

TCDH032	207	208	228	26800	2.6800001	0.0228
TCDH032	208	209	13	10900	1.09	0.0013
TCDH032	209	210	180	24400	2.4400001	1.80E-02
TCDH032	210	211	40	17100	1.71	4.00E-03
TCDH032	211	212	45	25100	2.51	4.50E-03
TCDH032	212	213	20	23300	2.3299999	2.00E-03
TCDH032	213	214	19	19900	1.99	0.0019
TCDH032	214	215	103	24100	2.4100001	0.0103
TCDH032	215	216	54	7360	0.736	5.40E-03
TCDH032	216	217	879	8540	0.85399997	8.79E-02
TCDH032	217	218	22	1330	0.133	0.0022
TCDH032	218	219	30	2560	0.25600001	0.003
TCDH032	219	220	26	3010	0.301	0.0026
TCDH032	220	221	26	3760	0.37599999	0.0026
TCDH032	221	222	1320	20100	2.01	0.132
TCDH032	222	223	34	4680	0.46799999	0.0034
TCDH032	223	224	44	18000	1.8	0.0044
TCDH032	224	225	1550	15700	1.5700001	0.155
TCDH032	225	226	636	33300	3.3299999	6.36E-02
TCDH032	226	227	699	27500	2.75	6.99E-02
TCDH032	227	228	263	32000	3.2	0.0263
TCDH032	228	229	68	18700	1.87	6.80E-03
TCDH032	229	230	75	37200	3.72	7.50E-03
TCDH032	230	231	1260	65600	6.5599999	0.126
TCDH032	231	232	726	26400	2.6400001	0.0726
TCDH032	232	233	1970	55800	5.5799999	0.197
TCDH032	233	234	7640	56500	5.6500001	0.764
TCDH032	234	235	4000	36100	3.6099999	0.40000001
TCDH032	235	236	387	42300	4.23	3.87E-02
TCDH032	236	237	59	52600	5.2600002	5.90E-03
TCDH032	237	238	328	39300	3.9300001	0.0328
TCDH032	238	239	39	57100	5.71	3.90E-03
TCDH032	239	240	844	50100	5.0100002	8.44E-02
TCDH032	240	242	291	15600	1.5599999	2.91E-02
TCDH032	242	244	133	50	5.00E-03	0.0133
TCDH032	244	246	151	20	2.00E-03	0.0151
TCDH032	246	248	192	20	2.00E-03	1.92E-02
TCDH032	248	250	2280	210	0.021	0.228
TCDH032	250	252	13500	940	9.40E-02	1.35
TCDH032	252	254	6330	640	6.40E-02	0.63300002
TCDH032	254	256	718	90	9.00E-03	7.18E-02
TCDH032	256	258	825	170	1.70E-02	8.25E-02
TCDH032	258	260	1270	310	3.10E-02	0.127
TCDH032	260	262	451	190	1.90E-02	0.0451
TCDH032	262	264	92	130	0.013	9.20E-03
TCDH032	264	266	135	120	0.012	0.0135
TCDH032	266	268	54	70	7.00E-03	5.40E-03
TCDH032	268	270	46	60	6.00E-03	4.60E-03
TCDH032	270	272	45	50	5.00E-03	4.50E-03
TCDH032	272	274	45	30	0.003	4.50E-03
TCDH032	274	276	29	20	2.00E-03	0.0029
TCDH032	276	278	32	-10	-0.001	3.20E-03
TCDH032	278	280	32	10	0.001	3.20E-03
TCDH032	280	282	28	-10	-0.001	2.80E-03
TCDH032	282	284	26	-10	-0.001	0.0026
TCDH032	284	286	17	-10	-0.001	0.0017
TCDH032	286	288	17	-10	-0.001	0.0017
TCDH032	288	290	25	-10	-0.001	2.50E-03
TCDH032	290	292	20	50	5.00E-03	2.00E-03
TCDH032	292	294	20	-10	-0.001	2.00E-03
TCDH032	294	296	18	-10	-0.001	0.0018
TCDH032	296	298	16	-10	-0.001	0.0016
TCDH032	298	300	8	-10	-0.001	8.00E-04

TCDH032	300	302	17	-10	-0.001	0.0017
TCDH032	302	304	17	-10	-0.001	0.0017
TCDH032	304	306	17	-10	-0.001	0.0017
TCDH032	306	308	2	-10	-0.001	2.00E-04
TCDH032	308	310	14	-10	-0.001	0.0014
TCDH032	310	312	21	10	0.001	2.10E-03
TCDH032	312	314	13	-10	-0.001	0.0013
TCDH032	314	316	18	-10	-0.001	0.0018
TCDH032	316	318	21	-10	-0.001	2.10E-03
TCDH032	318	320	12	10	0.001	1.20E-03
TCDH032	320	322	7	-10	-0.001	7.00E-04
TCDH032	322	324	16	20	2.00E-03	0.0016
TCDH032	324	326	12	-10	-0.001	1.20E-03
TCDH032	326	328	16	-10	-0.001	0.0016
TCDH032	328	330	-1	-10	-0.001	-1.00E-04
TCDH032	330	332	20	-10	-0.001	2.00E-03
TCDH032	332	334	26	-10	-0.001	0.0026
TCDH032	334	336	29	-10	-0.001	0.0029
TCDH032	336	338	18	-10	-0.001	0.0018
TCDH032	338	340	22	-10	-0.001	0.0022
TCDH032	340	342	24	-10	-0.001	2.40E-03
TCDH032	342	344	27	-10	-0.001	2.70E-03
TCDH032	344	346	15	-10	-0.001	0.0015
TCDH032	346	348	24	-10	-0.001	2.40E-03
TCDH032	348	350	18	-10	-0.001	0.0018
TCDH032	350	352	26	-10	-0.001	0.0026
TCDH032	352	354	25	-10	-0.001	2.50E-03
TCDH032	354	356	22	-10	-0.001	0.0022
TCDH032	356	358	26	10	0.001	0.0026
TCDH032	358	360	15	10	0.001	0.0015
TCDH032	360	362	32	-10	-0.001	3.20E-03
TCDH032	362	364	27	-10	-0.001	2.70E-03
TCDH032	364	366	10	-10	-0.001	0.001
TCDH032	366	368	24	-10	-0.001	2.40E-03
TCDH032	368	370	-1	10	0.001	-1.00E-04
TCDH032	370	372	17	-10	-0.001	0.0017
TCDH032	372	374	17	10	0.001	0.0017
TCDH032	374	376	-1	-10	-0.001	-1.00E-04
TCDH032	376	378	29	-10	-0.001	0.0029
TCDH032	378	380	12	40	4.00E-03	1.20E-03
TCDH032	380	380.5	12	-10	-0.001	1.20E-03
TCDH035	0	1	74	780	7.80E-02	0.0074
TCDH035	1	2	102	820	8.20E-02	0.0102
TCDH035	2	3	185	1260	0.126	0.0185
TCDH035	3	4	280	47900	4.79	2.80E-02
TCDH035	4	5	77	1910	0.191	0.0077
TCDH035	5	6	130	30000	3	0.013
TCDH035	6	7	73	15400	1.54	7.30E-03
TCDH035	7	8	292	84500	8.4499998	2.92E-02
TCDH035	8	9	194	39600	3.96	1.94E-02
TCDH035	9	10	203	76000	7.5999999	2.03E-02
TCDH035	10	11	208	60800	6.0799999	0.0208
TCDH035	11	12	122	58600	5.8600001	0.0122
TCDH035	12	13	162	61100	6.1100001	0.0162
TCDH035	13	14	55	30800	3.0799999	0.0055
TCDH035	14	15	90	52800	5.2800002	9.00E-03
TCDH035	15	16	51	17200	1.72	5.10E-03
TCDH035	16	17	1730	82400	8.2399998	0.17299999
TCDH035	17	18	1310	162000	16.200001	0.131
TCDH035	18	19	1410	44200	4.4200001	0.141
TCDH035	19	20	5250	208000	20.799999	0.52499998
TCDH035	20	21	175	55600	5.5599999	0.0175
TCDH035	21	22	14400	235000	23.5	1.4400001

TCDH035	22	23	1520	47000	4.6999998	0.152
TCDH035	23	24	1500	53900	5.3899999	0.15000001
TCDH035	24	25	8890	95700	9.5699997	0.889
TCDH035	25	26	18900	88800	8.8800001	1.89
TCDH035	26	27	7620	82900	8.29	0.76200002
TCDH035	27	28	24200	96800	9.6800003	2.4200001
TCDH035	28	29	123	11500	1.15	0.0123
TCDH035	29	30	156	95100	9.5100002	0.0156
TCDH035	30	31	175	59500	5.9499998	0.0175
TCDH035	31	32	130	56800	5.6799998	0.013
TCDH035	32	33	224	104000	10.4	2.24E-02
TCDH035	33	34	309	163000	16.299999	0.0309
TCDH035	34	35	606	167000	16.700001	6.06E-02
TCDH035	35	36	144	61800	6.1799998	0.0144
TCDH035	36	37	3760	162000	16.200001	0.37599999
TCDH035	37	38	2270	110000	11	0.227
TCDH035	38	39	14400	170000	17	1.4400001
TCDH035	40	41	7240	148000	14.8	0.72399998
TCDH035	41	42	3790	202000	20.200001	0.37900001
TCDH035	42	43	5920	255000	25.5	0.59200001
TCDH035	43	44	2120	162000	16.200001	0.212
TCDH035	46	47	5200	157000	15.7	0.51999998
TCDH035	47	48	2030	65100	6.5100002	0.20299999
TCDH035	48	49	4390	126000	12.6	0.43900001
TCDH035	49	50	1800	102000	10.2	0.18000001
TCDH035	50	51	5970	86600	8.6599998	0.597
TCDH035	51	52	4800	163000	16.299999	0.47999999
TCDH035	52	53	11700	259000	25.9	1.17
TCDH035	55	56	7340	105000	10.5	0.73400003
TCDH035	56	57	6960	53000	5.3000002	0.69599998
TCDH035	58	59	6640	144000	14.4	0.66399997
TCDH035	59	60	7660	155000	15.5	0.76599997
TCDH035	60	61	4170	80900	8.0900002	0.417
TCDH035	61	62	1010	52700	5.27	0.101
TCDH035	62	63	2170	53200	5.3200002	0.21699999
TCDH035	63	64	5680	36800	3.6800001	0.56800002
TCDH035	64	65	41100	83300	8.3299999	4.1100001
TCDH035	65	66	11600	305000	30.5	1.16
TCDH035	66	67	27700	159000	15.9	2.77
TCDH035	67	68	18800	281000	28.1	1.88
TCDH035	70	71	562	3600	0.36000001	5.62E-02
TCDH035	71	72	2140	12900	1.29	0.214
TCDH035	73	74	5890	21300	2.1300001	0.58899999
TCDH035	74	75	507	20900	2.0899999	5.07E-02
TCDH035	75	76	691	29000	2.9000001	0.0691
TCDH035	76	77	15900	50500	5.0500002	1.59
TCDH035	77	78	6300	34400	3.4400001	0.63
TCDH035	78	79	3690	16300	1.63	0.36899999
TCDH035	79	80	679	5850	0.58499998	6.79E-02
TCDH035	80	81	448	3710	0.37099999	4.48E-02
TCDH035	81	82	435	5260	0.52600002	4.35E-02
TCDH035	82	83	720	6670	0.667	7.20E-02
TCDH035	83	84	2750	26500	2.6500001	0.27500001
TCDH035	85	86	680	29200	2.9200001	6.80E-02
TCDH035	88	89	468	10600	1.0599999	4.68E-02
TCDH035	91	93	515	9310	0.93099999	0.0515
TCDH035	93	95	86	4210	0.421	8.60E-03
TCDH035	95	97	463	7230	0.72299999	4.63E-02
TCDH035	97	99	1710	9290	0.92900002	0.171
TCDH035	100	102	2000	11100	1.11	0.2
TCDH035	103	105	2730	19000	1.9	0.273
TCDH035	106	108	2170	16500	1.65	0.21699999
TCDH035	112	113	6640	35500	3.55	0.66399997

TCDH035	118	119	3950	8890	0.889	0.39500001
TCDH035	119	120	1550	15700	1.5700001	0.155
TCDH035	121	122	1050	4640	0.46399999	0.105
TCDH035	122	123	125	6220	0.62199998	0.0125
TCDH035	123	124	201	2590	0.259	2.01E-02
TCDH035	124	125	840	4880	0.48800001	8.40E-02
TCDH035	125	126	887	1260	0.126	8.87E-02
TCDH035	126	127	1250	1260	0.126	0.125
TCDH035	127	128	6630	19800	1.98	0.66299999
TCDH035	128	129	708	8450	0.84500003	7.08E-02
TCDH035	129	130	1280	11900	1.1900001	0.12800001
TCDH035	130	131	1790	14400	1.4400001	0.17900001
TCDH035	131	132	2150	9560	0.95599997	0.215
TCDH035	132	133	834	53800	5.3800001	8.34E-02
TCDH035	133	134	65	11500	1.15	6.50E-03
TCDH035	134	135	149	9780	0.97799999	0.0149
TCDH035	135	136	253	160	1.60E-02	0.0253
TCDH035	136	137	210	1350	0.13500001	0.021
TCDH035	137	138	194	2730	0.273	1.94E-02
TCDH035	138	139	384	34300	3.4300001	3.84E-02
TCDH035	139	140	520	8420	0.84200001	5.20E-02
TCDH035	140	141	314	25100	2.51	3.14E-02
TCDH035	141	142	109	46900	4.6900001	0.0109
TCDH035	142	143	381	5310	0.53100002	0.0381
TCDH035	143	144	315	1940	0.19400001	3.15E-02
TCDH035	144	145	86	1550	0.155	8.60E-03
TCDH035	145	146	34	500	5.00E-02	0.0034
TCDH035	146	147	81	60	6.00E-03	8.10E-03
TCDH035	147	148	15	320	3.20E-02	0.0015
TCDH035	148	149	10	290	2.90E-02	0.001
TCDH035	149	150	15	430	4.30E-02	0.0015
TCDH035	150	151	13	590	0.059	0.0013
TCDH035	151	152	26	700	0.07	0.0026
TCDH035	152	153	17	340	3.40E-02	0.0017
TCDH035	153	154	32	1240	0.124	3.20E-03
TCDH035	154	155	172	420	4.20E-02	1.72E-02
TCDH035	155	156	204	110	0.011	2.04E-02
TCDH035	156	157	153	180	1.80E-02	0.0153
TCDH035	157	158	136	2940	0.294	0.0136
TCDH035	158	159	47	3890	0.389	4.70E-03
TCDH035	159	160	43	2030	0.20299999	4.30E-03
TCDH035	160	161	35	1090	0.109	3.50E-03
TCDH035	161	162	13	1030	0.103	0.0013
TCDH035	162	163	27	1090	0.109	2.70E-03
TCDH035	163	164	16	730	7.30E-02	0.0016
TCDH035	164	165	363	1560	0.156	0.0363
TCDH035	165	166	87	650	6.50E-02	8.70E-03
TCDH035	166	167	131	560	5.60E-02	0.0131
TCDH035	167	168	85	430	4.30E-02	8.50E-03
TCDH035	168	169	109	2750	0.27500001	0.0109
TCDH035	169	170	26	12200	1.22	0.0026
TCDH035	170	171	25	4750	0.47499999	2.50E-03
TCDH035	171	172	11	6500	0.64999998	0.0011
TCDH035	172	173	31	6070	0.60699999	3.10E-03
TCDH035	173	174	8	7350	0.73500001	8.00E-04
TCDH035	174	175	9	4370	0.43700001	9.00E-04
TCDH035	175	176	8	5530	0.55299997	8.00E-04
TCDH035	176	177	30	5810	0.58099997	0.003
TCDH035	177	178	73	810	0.081	7.30E-03
TCDH035	178	179	44	1950	0.19499999	0.0044
TCDH035	179	180	16	1060	0.106	0.0016
TCDH035	180	181	79	2340	0.234	7.90E-03
TCDH035	181	182	18	1010	0.101	0.0018

TCDH035	182	183	20	510	5.10E-02	2.00E-03
TCDH035	183	184	28	100	1.00E-02	2.80E-03
TCDH035	184	185	41	300	3.00E-02	0.0041
TCDH035	185	186	63	210	0.021	0.0063
TCDH035	186	187	50	1910	0.191	5.00E-03
TCDH035	187	188	40	2360	0.236	4.00E-03
TCDH035	188	189	38	1170	0.117	3.80E-03
TCDH035	189	190	41	60	6.00E-03	0.0041
TCDH035	190	191	32	140	0.014	3.20E-03
TCDH035	191	192	52	350	0.035	0.0052
TCDH035	192	193	113	910	9.10E-02	0.0113
TCDH035	193	194	70	910	9.10E-02	7.00E-03
TCDH035	194	195	65	320	3.20E-02	6.50E-03
TCDH035	195	196	90	280	2.80E-02	9.00E-03
TCDH035	196	197	103	540	5.40E-02	0.0103
TCDH035	197	198	88	290	2.90E-02	0.0088
TCDH035	198	199	34	190	1.90E-02	0.0034
TCDH035	199	200	27	410	4.10E-02	2.70E-03
TCDH035	200	201	23	860	8.60E-02	2.30E-03
TCDH035	201	202	159	3860	0.38600001	1.59E-02
TCDH035	202	203	209	360	3.60E-02	0.0209
TCDH035	203	204	117	640	6.40E-02	0.0117
TCDH035	204	205	132	1040	0.104	0.0132
TCDH035	205	206	176	460	0.046	0.0176
TCDH035	206	207	103	400	4.00E-02	0.0103
TCDH035	207	208	160	890	8.90E-02	1.60E-02
TCDH035	208	209	95	5320	0.53200001	9.50E-03
TCDH035	209	210	613	6920	0.69199997	6.13E-02
TCDH035	210	211	1110	5100	0.50999999	0.111
TCDH035	211	212	622	6870	0.68699998	6.22E-02
TCDH035	212	213	389	3850	0.38499999	3.89E-02
TCDH035	213	214	379	1870	0.18700001	3.79E-02
TCDH035	214	215	141	1440	0.14399999	0.0141
TCDH035	215	216	47	1800	0.18000001	4.70E-03
TCDH035	216	217	178	2600	0.25999999	0.0178
TCDH035	217	218	621	4970	0.49700001	6.21E-02
TCDH035	218	219	367	5680	0.56800002	3.67E-02
TCDH035	219	220	303	7200	0.72000003	3.03E-02
TCDH035	220	221	296	4910	0.491	0.0296
TCDH035	221	222	14	1900	0.19	0.0014
TCDH035	222	223	9	1800	0.18000001	9.00E-04
TCDH035	223	224	30	880	0.088	0.003
TCDH035	224	225	29	1170	0.117	0.0029
TCDH035	225	226	5	1840	0.184	5.00E-04
TCDH035	226	227	13	4410	0.44100001	0.0013
TCDH035	227	228	17	410	4.10E-02	0.0017
TCDH035	228	229	114	1270	0.127	0.0114
TCDH035	229	230	288	1950	0.19499999	0.0288
TCDH035	230	231	151	2170	0.21699999	0.0151
TCDH035	231	232	272	3930	0.39300001	0.0272
TCDH035	232	233	646	2140	0.214	6.46E-02
TCDH035	233	234	159	570	0.057	1.59E-02
TCDH035	234	235	69	770	0.077	6.90E-03
TCDH035	235	236	18	1220	0.122	0.0018
TCDH035	236	237	24	1140	0.114	2.40E-03
TCDH035	237	238	29	770	0.077	0.0029
TCDH035	238	239	24	850	8.50E-02	2.40E-03
TCDH035	239	240	1000	1550	0.155	0.1
TCDH035	240	241	739	1730	0.17299999	7.39E-02
TCDH035	241	242	4670	5240	0.52399999	0.46700001
TCDH035	242	243	3890	5290	0.52899998	0.389
TCDH035	243	244	1300	2010	0.20100001	0.13
TCDH035	244	245	11100	7210	0.72100002	1.11

TCDH035	245	246	595	350	0.035	5.95E-02
TCDH035	246	247	31	100	1.00E-02	3.10E-03
TCDH035	247	248	152	41800	4.1799998	0.0152
TCDH035	248	249	235	17400	1.74	2.35E-02
TCDH035	249	250	556	11700	1.17	5.56E-02
TCDH035	250	251	1020	3080	0.308	0.102
TCDH035	251	252	360	1880	0.18799999	3.60E-02
TCDH035	252	253	1230	2980	0.29800001	0.123
TCDH035	253	254	663	270	2.70E-02	6.63E-02
TCDH035	254	255	53	40	4.00E-03	5.30E-03
TCDH035	255	256	70	30	0.003	7.00E-03
TCDH035	256	257	2770	1840	0.184	0.27700001
TCDH035	257	258	3020	1740	0.17399999	0.30199999
TCDH035	258	259	1360	850	8.50E-02	0.13600001
TCDH035	259	260	902	520	5.20E-02	0.0902
TCDH035	260	261	558	220	0.022	5.58E-02
TCDH035	261	262	856	170	1.70E-02	8.56E-02
TCDH035	262	263	304	80	8.00E-03	3.04E-02
TCDH035	263	264	646	160	1.60E-02	6.46E-02
TCDH035	264	265	518	190	1.90E-02	5.18E-02
TCDH035	265	266	595	300	3.00E-02	5.95E-02
TCDH035	266	267	93	50	5.00E-03	0.0093
TCDH035	267	268	24	10	0.001	2.40E-03
TCDH035	268	269	14	-10	-0.001	0.0014
TCDH035	269	270	19	-10	-0.001	0.0019
TCDH035	270	271	27	30	0.003	2.70E-03
TCDH035	271	272	21	50	5.00E-03	2.10E-03
TCDH035	272	273	24	40	4.00E-03	2.40E-03
TCDH035	273	274	106	50	5.00E-03	0.0106
TCDH035	274	275	31	30	0.003	3.10E-03
TCDH035	275	276	36	50	5.00E-03	3.60E-03
TCDH035	276	277	124	510	5.10E-02	0.0124
TCDH035	277	278	48	40	4.00E-03	4.80E-03
TCDH035	278	279	441	140	0.014	4.41E-02
TCDH035	279	280	329	100	1.00E-02	3.29E-02
TCDH035	280	281	492	620	6.20E-02	4.92E-02
TCDH035	281	282	214	100	1.00E-02	2.14E-02
TCDH035	282	283	300	80	8.00E-03	3.00E-02
TCDH035	283	284	705	860	8.60E-02	7.05E-02
TCDH035	284	285	38	4830	0.48300001	3.80E-03
TCDH035	285	286	24	5900	0.58999997	2.40E-03
TCDH035	286	287	12	3720	0.37200001	1.20E-03
TCDH035	287	288	389	1920	0.192	3.89E-02
TCDH035	288	289	327	2690	0.26899999	3.27E-02
TCDH035	289	290	90	1170	0.117	9.00E-03
TCDH035	290	291	90	720	7.20E-02	9.00E-03
TCDH035	291	292	73	260	2.60E-02	7.30E-03
TCDH035	292	293	133	550	0.055	0.0133
TCDH035	293	294	237	1160	0.116	2.37E-02
TCDH035	294	295	94	4570	0.45699999	9.40E-03
TCDH035	295	296	149	6640	0.66399997	0.0149
TCDH035	296	297	46	1760	0.176	4.60E-03
TCDH035	297	298	15	210	0.021	0.0015
TCDH035	298	299	20	590	0.059	2.00E-03
TCDH035	299	300	19	370	0.037	0.0019
TCDH035	300	301	23	250	0.025	2.30E-03
TCDH035	301	302	37	200	0.02	0.0037
TCDH035	302	303	50	120	0.012	5.00E-03
TCDH035	303	304	73	20	2.00E-03	7.30E-03
TCDH035	304	305	53	20	2.00E-03	5.30E-03
TCDH035	305	306	42	30	0.003	4.20E-03
TCDH035	306	307	23	-10	-0.001	2.30E-03
TCDH035	307	308	22	-10	-0.001	0.0022

TCDH035	308	309	61	1970	0.197	6.10E-03
TCDH035	309	310	81	3100	0.31	8.10E-03
TCDH035	310	311	110	5290	0.52899998	0.011
TCDH035	311	312	79	1290	0.12899999	7.90E-03
TCDH035	312	313	38	2400	0.23999999	3.80E-03
TCDH035	313	314	21	990	9.90E-02	2.10E-03
TCDH035	314	315	33	1130	0.113	0.0033
TCDH035	315	316	31	560	5.60E-02	3.10E-03
TCDH035	316	317	25	660	0.066	2.50E-03
TCDH035	317	318	34	30	0.003	0.0034
TCDH035	318	319	44	-10	-0.001	0.0044
TCDH035	319	320	32	100	1.00E-02	3.20E-03
TCDH035	320	321	44	-10	-0.001	0.0044
TCDH035	321	322	59	-10	-0.001	5.90E-03
TCDH035	322	323	49	10	0.001	4.90E-03
TCDH035	323	324	45	150	0.015	4.50E-03
TCDH035	324	325	40	460	0.046	4.00E-03
TCDH035	325	326	48	10400	1.04	4.80E-03
TCDH035	326	327	65	170	1.70E-02	6.50E-03
TCDH035	327	328	49	750	7.50E-02	4.90E-03
TCDH035	328	329	43	1360	0.13600001	4.30E-03
TCDH035	329	330	36	550	0.055	3.60E-03
TCDH035	330	331	36	610	6.10E-02	3.60E-03
TCDH035	331	332	19	140	0.014	0.0019
TCDH035	332	333	30	-10	-0.001	0.003
TCDH035	333	334	31	-10	-0.001	3.10E-03
TCDH035	334	335	25	210	0.021	2.50E-03
TCDH035	335	336	23	290	2.90E-02	2.30E-03
TCDH035	336	337	21	200	0.02	2.10E-03
TCDH035	337	338	19	-10	-0.001	0.0019
TCDH035	338	339	28	10	0.001	2.80E-03
TCDH035	339	340	52	30	0.003	0.0052
TCDH035	340	341	82	70	7.00E-03	0.0082
TCDH035	341	342	94	290	2.90E-02	9.40E-03
TCDH035	342	343	73	120	0.012	7.30E-03
TCDH035	343	344	78	610	6.10E-02	7.80E-03
TCDH035	344	345	70	510	5.10E-02	7.00E-03
TCDH035	345	346	82	780	7.80E-02	0.0082
TCDH035	346	347	89	200	0.02	8.90E-03
TCDH035	347	348	76	370	0.037	7.60E-03
TCDH035	348	349	69	240	0.024	6.90E-03
TCDH035	349	350	63	20	2.00E-03	0.0063
TCDH035	350	351	75	20	2.00E-03	7.50E-03
TCDH035	351	352	65	110	0.011	6.50E-03
TCDH035	352	353	73	40	4.00E-03	7.30E-03
TCDH035	353	354	76	40	4.00E-03	7.60E-03
TCDH035	354	355	70	70	7.00E-03	7.00E-03
TCDH035	355	356	72	-10	-0.001	7.20E-03
TCDH035	356	357	67	-10	-0.001	6.70E-03
TCDH035	357	358	58	-10	-0.001	5.80E-03
TCDH035	358	359	79	670	6.70E-02	7.90E-03
TCDH035	359	360	82	110	0.011	0.0082
TCDH035	360	361	88	180	1.80E-02	0.0088
TCDH035	361	362	85	190	1.90E-02	8.50E-03
TCDH035	362	363	100	30	0.003	1.00E-02
TCDH035	363	364	84	210	0.021	8.40E-03
TCDH035	364	365	120	70	7.00E-03	0.012
TCDH035	365	366	95	80	8.00E-03	9.50E-03
TCDH035	366	367	130	260	2.60E-02	0.013
TCDH035	367	368	206	2930	0.29300001	0.0206
TCDH035	368	369	220	6990	0.699	0.022
TCDH035	369	370	224	1040	0.104	2.24E-02
TCDH035	370	371	141	750	7.50E-02	0.0141

TCDH035	371	372	145	2880	0.28799999	0.0145
TCDH035	372	373	115	670	6.70E-02	0.0115
TCDH035	373	374	115	700	0.07	0.0115
TCDH035	374	375	110	270	2.70E-02	0.011
TCDH035	375	376	117	190	1.90E-02	0.0117
TCDH035	376	377	109	310	3.10E-02	0.0109
TCDH035	377	378	119	470	4.70E-02	0.0119
TCDH035	378	379	123	220	0.022	0.0123
TCDH035	379	380	117	70	7.00E-03	0.0117
TCDH035	380	381	117	20	2.00E-03	0.0117
TCDH035	381	382	107	70	7.00E-03	0.0107
TCDH035	382	383	108	210	0.021	0.0108
TCDH035	383	384	101	30	0.003	0.0101
TCDH035	384	385	108	290	2.90E-02	0.0108
TCDH035	385	386	87	30	0.003	8.70E-03
TCDH035	386	387	94	60	6.00E-03	9.40E-03
TCDH035	387	388	101	80	8.00E-03	0.0101
TCDH035	388	389	94	70	7.00E-03	9.40E-03
TCDH035	389	390	85	10	0.001	8.50E-03
TCDH035	390	391	98	-10	-0.001	9.80E-03
TCDH035	391	392	92	40	4.00E-03	9.20E-03
TCDH035	392	393	92	60	6.00E-03	9.20E-03
TCDH035	393	394	241	190	1.90E-02	0.0241
TCDH035	394	395	102	60	6.00E-03	0.0102
TCDH035	395	396	99	80	8.00E-03	9.90E-03
TCDH035	396	397	97	30	0.003	9.70E-03
TCDH035	397	398	113	110	0.011	0.0113
TCDH035	398	399	126	140	0.014	0.0126
TCDH035	399	400	105	140	0.014	0.0105
TCDH035	400	401	115	50	5.00E-03	0.0115
TCDH035	401	402	88	70	7.00E-03	0.0088
TCDH035	402	403	95	60	6.00E-03	9.50E-03
TCDH035	403	404	83	570	0.057	8.30E-03
TCDH035	404	405	116	30	0.003	0.0116
TCDH035	405	406	101	70	7.00E-03	0.0101
TCDH035	406	407	110	20	2.00E-03	0.011
TCDH035	407	408	107	80	8.00E-03	0.0107
TCDH035	408	409	112	60	6.00E-03	0.0112
TCDH035	409	410	118	500	5.00E-02	0.0118
TCDH035	410	411	117	90	9.00E-03	0.0117
TCDH035	411	412	113	80	8.00E-03	0.0113
TCDH035	412	413	698	550	0.055	6.98E-02
TCDH035	413	414	107	230	0.023	0.0107
TCDH035	414	415	269	2540	0.25400001	2.69E-02
TCDH035	415	416	116	1250	0.125	0.0116
TCDH035	416	417	104	480	0.048	0.0104
TCDH035	417	418	130	610	6.10E-02	0.013
TCDH035	418	419	120	1170	0.117	0.012
TCDH035	419	420	113	1530	0.153	0.0113
TCDH035	420	421	140	210	0.021	0.014
TCDH035	421	422	189	1420	0.142	0.0189
TCDH035	422	423	186	740	7.40E-02	0.0186
TCDH035	423	424	113	310	3.10E-02	0.0113
TCDH035	424	425	116	340	3.40E-02	0.0116
TCDH035	425	426	167	720	7.20E-02	0.0167
TCDH035	426	427	144	530	5.30E-02	0.0144
TCDH035	427	428	120	780	7.80E-02	0.012
TCDH035	428	429	138	1430	0.14300001	0.0138
TCDH035	429	430	132	530	5.30E-02	0.0132
TCDH035	430	431	612	890	8.90E-02	0.0612
TCDH035	431	432	638	1400	0.14	0.0638
TCDH035	432	433	122	1250	0.125	0.0122
TCDH035	433	434	395	1470	0.147	3.95E-02

TCDH035	434	435	1890	2070	0.207	0.189
TCDH035	435	436	1040	2920	0.292	0.104
TCDH035	436	437	189	540	5.40E-02	0.0189
TCDH035	437	438	126	300	3.00E-02	0.0126
TCDH035	438	439	360	2290	0.229	3.60E-02
TCDH035	439	440	397	2000	0.2	3.97E-02
TCDH035	440	441	391	1070	0.107	3.91E-02
TCDH035	441	442	623	1280	0.12800001	0.0623
TCDH035	442	443	353	2050	0.205	3.53E-02
TCDH035	443	444	101	1460	0.146	0.0101
TCDH035	444	445	214	380	3.80E-02	2.14E-02
TCDH035	445	446	262	2720	0.27200001	0.0262
TCDH035	446	447	770	9350	0.935	0.077
TCDH035	447	448	460	9710	0.97100002	0.046
TCDH035	448	449	794	1810	0.18099999	7.94E-02
TCDH035	449	450	145	2450	0.245	0.0145
TCDH035	450	450.5	35	4900	0.49000001	3.50E-03
TCDH030	0	2	240	550	0.055	0.024
TCDH030	2	4	592	730	7.30E-02	0.0592
TCDH030	4	6	200	2130	0.213	0.02
TCDH030	6	7	215	5900	0.58999997	2.15E-02
TCDH030	7	8	284	59300	5.9299998	0.0284
TCDH030	8	9	291	57600	5.7600002	2.91E-02
TCDH030	9	10	61	2620	0.26199999	6.10E-03
TCDH030	10	11	259	46200	4.6199999	2.59E-02
TCDH030	11	12	606	87200	8.7200003	6.06E-02
TCDH030	12	13	623	90300	9.0299997	0.0623
TCDH030	13	14	102	17300	1.73	0.0102
TCDH030	14	15	119	16200	1.62	0.0119
TCDH030	15	16	408	64600	6.46	4.08E-02
TCDH030	16	17	513	31200	3.1199999	0.0513
TCDH030	17	18	564	27500	2.75	5.64E-02
TCDH030	18	19	883	113000	11.3	8.83E-02
TCDH030	19	20	146	31900	3.1900001	0.0146
TCDH030	20	21	1440	21300	2.1300001	0.14399999
TCDH030	21	23	1930	31400	3.1400001	0.193
TCDH030	23	25	6890	114000	11.4	0.68900001
TCDH030	25	27	415	129000	12.9	4.15E-02
TCDH030	27	29	766	85600	8.5600004	0.0766
TCDH030	29	30	4470	68600	6.8600001	0.447
TCDH030	30	31	3420	74200	7.4200001	0.34200001
TCDH030	31	32	30300	124000	12.4	3.03
TCDH030	32	33	60100	116000	11.6	6.0100002
TCDH030	33	34	76700	43200	4.3200002	7.6700001
TCDH030	34	35	43300	53000	5.3000002	4.3299999
TCDH030	36	37	21800	33000	3.3	2.1800001
TCDH030	37	38	12300	43900	4.3899999	1.23
TCDH030	38	39	7330	35300	3.53	0.73299998
TCDH030	39	40	13500	27900	2.79	1.35
TCDH030	40	41	13400	27900	2.79	1.34
TCDH030	42	43	837	570	0.057	8.37E-02
TCDH030	43	44	621	1760	0.176	6.21E-02
TCDH030	44	45	464	3280	0.32800001	4.64E-02
TCDH030	45	46	10900	6780	0.67799997	1.09
TCDH030	46	47	1730	4530	0.45300001	0.17299999
TCDH030	47	48	809	3960	0.396	8.09E-02
TCDH030	48	49	244	2110	0.211	0.0244
TCDH030	49	50	485	8150	0.815	4.85E-02
TCDH030	50	51	342	3040	0.30399999	3.42E-02
TCDH030	51	52	409	5370	0.537	4.09E-02
TCDH030	52	53	967	39500	3.95	9.67E-02
TCDH030	53	54	843	20300	2.03	8.43E-02
TCDH030	54	55	823	39900	3.99	0.0823

TCDH030	55	56	1420	39800	3.98	0.142
TCDH030	56	57	1510	4120	0.412	0.15099999
TCDH030	57	58	1630	4610	0.461	0.163
TCDH030	58	59	1260	1850	0.185	0.126
TCDH030	59	60	1250	2180	0.21799999	0.125
TCDH030	60	61	3960	5090	0.509	0.396
TCDH030	61	62	8950	13100	1.3099999	0.89499998
TCDH030	62	63	2730	5950	0.59500003	0.273
TCDH030	63	64	1750	2820	0.28200001	0.175
TCDH030	64	65	801	8700	0.87	0.0801
TCDH030	65	66	1170	9310	0.93099999	0.117
TCDH030	66	67	1310	10100	1.01	0.131
TCDH030	67	68	6750	8590	0.85900003	0.67500001
TCDH030	68	69	1140	5210	0.52100003	0.114
TCDH030	69	70	4010	5340	0.53399998	0.40099999
TCDH030	70	71	1270	1480	0.148	0.127
TCDH030	71	72	792	990	9.90E-02	0.0792
TCDH030	72	73	747	16200	1.62	7.47E-02
TCDH030	73	74	481	45800	4.5799999	4.81E-02
TCDH030	74	75	423	21400	2.1400001	4.23E-02
TCDH030	75	76	327	27000	2.7	3.27E-02
TCDH030	76	77	297	24600	2.46	0.0297
TCDH030	77	78	3220	17900	1.79	0.322
TCDH030	78	79	12400	31000	3.0999999	1.24
TCDH030	79	80	14500	10900	1.09	1.45
TCDH030	84	85	2090	4040	0.40400001	0.20900001
TCDH030	85	86	2810	8180	0.81800002	0.28099999
TCDH030	86	87	299	5710	0.57099998	2.99E-02
TCDH030	87	88	453	5260	0.52600002	4.53E-02
TCDH030	88	89	452	5220	0.52200001	4.52E-02
TCDH030	89	91	364	5680	0.56800002	3.64E-02
TCDH030	91	93	2850	8530	0.85299999	0.285
TCDH030	93	94	228	6490	0.64899999	0.0228
TCDH030	94	95	444	3100	0.31	4.44E-02
TCDH030	95	96	8620	11500	1.15	0.86199999
TCDH030	96	97	2750	36000	3.5999999	0.27500001
TCDH030	99	100	2030	34500	3.45	0.20299999
TCDH030	100	101	1140	21400	2.1400001	0.114
TCDH030	101	102	1240	22100	2.21	0.124
TCDH030	102	103	1150	18100	1.8099999	0.115
TCDH030	103	104	750	25200	2.52	7.50E-02
TCDH030	104	105	791	35400	3.54	7.91E-02
TCDH030	105	106	436	33200	3.3199999	0.0436
TCDH030	106	107	804	30300	3.03	8.04E-02
TCDH030	107	108	841	31000	3.0999999	8.41E-02
TCDH030	108	109	855	50100	5.0100002	8.55E-02
TCDH030	109	110	1680	31400	3.1400001	0.168
TCDH030	110	111	1540	41300	4.1300001	0.154
TCDH030	111	112	838	16900	1.6900001	8.38E-02
TCDH030	112	113	335	19300	1.9299999	3.35E-02
TCDH030	113	114	112	10900	1.09	0.0112
TCDH030	114	115	68	15100	1.51	6.80E-03
TCDH030	115	116	62	19900	1.99	6.20E-03
TCDH030	116	117	46	14400	1.4400001	4.60E-03
TCDH030	117	118	48	13900	1.39	4.80E-03
TCDH030	118	119	38	11600	1.16	3.80E-03
TCDH030	119	120	33	730	7.30E-02	0.0033
TCDH030	120	121	35	5190	0.51899999	3.50E-03
TCDH030	121	122	35	6170	0.61699998	3.50E-03
TCDH030	122	123	28	6230	0.62300003	2.80E-03
TCDH030	123	124	37	8010	0.801	0.0037
TCDH030	124	125	22	7880	0.78799999	0.0022
TCDH030	125	126	628	10200	1.02	6.28E-02

TCDH030	126	127	319	16000	1.6	0.0319
TCDH030	127	128	894	11900	1.1900001	8.94E-02
TCDH030	128	129	447	3480	0.34799999	0.0447
TCDH030	129	130	483	5550	0.55500001	4.83E-02
TCDH030	130	131	488	3410	0.34099999	4.88E-02
TCDH030	131	132	1060	8260	0.82599998	0.106
TCDH030	132	133	159	14500	1.45	1.59E-02
TCDH030	133	134	132	11100	1.11	0.0132
TCDH030	134	135	72	2810	0.28099999	7.20E-03
TCDH030	135	136	557	50200	5.02	0.0557
TCDH030	136	137	8100	56200	5.6199999	0.81
TCDH030	137	138	1060	32600	3.26	0.106
TCDH030	138	139	434	31100	3.1099999	4.34E-02
TCDH030	139	140	961	22900	2.29	9.61E-02
TCDH030	140	141	1510	25600	2.5599999	0.15099999
TCDH030	141	142	2280	20500	2.05	0.228
TCDH030	142	143	4950	27900	2.79	0.495
TCDH030	143	144	2620	35600	3.5599999	0.26199999
TCDH030	144	145	3240	19800	1.98	0.324
TCDH030	145	146	3150	30400	3.04	0.315
TCDH030	146	147	1130	28600	2.8599999	0.113
TCDH030	147	148	82	12300	1.23	0.0082
TCDH030	148	149	58	17800	1.78	5.80E-03
TCDH030	149	150	149	29900	2.99	0.0149
TCDH030	150	151	152	49700	4.9699998	0.0152
TCDH030	151	152	171	49200	4.9200001	1.71E-02
TCDH030	152	153	107	38000	3.8	0.0107
TCDH030	153	154	83	16700	1.67	8.30E-03
TCDH030	154	155	69	21500	2.1500001	6.90E-03
TCDH030	155	156	98	14800	1.48	9.80E-03
TCDH030	156	157	107	10100	1.01	0.0107
TCDH030	157	158	125	16300	1.63	0.0125
TCDH030	158	159	118	19400	1.9400001	0.0118
TCDH030	159	160	113	35300	3.53	0.0113
TCDH030	160	161	36	26800	2.6800001	3.60E-03
TCDH030	161	162	55	27700	2.77	0.0055
TCDH030	162	163	45	48800	4.8800001	4.50E-03
TCDH030	163	164	143	23100	2.3099999	0.0143
TCDH030	164	165	633	51600	5.1599998	6.33E-02
TCDH030	165	166	149	54600	5.46	0.0149
TCDH030	166	167	67	58600	5.8600001	6.70E-03
TCDH030	167	168	36	24100	2.4100001	3.60E-03
TCDH030	168	169	39	49100	4.9099998	3.90E-03
TCDH030	169	170	30	22400	2.24	0.003
TCDH030	170	171	128	31300	3.1300001	0.0128
TCDH030	171	172	124	20000	2	0.0124
TCDH030	172	173	42	30400	3.04	4.20E-03
TCDH030	173	174	1740	58100	5.8099999	0.17399999
TCDH030	174	175	56	39900	3.99	5.60E-03
TCDH030	175	176	153	47900	4.79	0.0153
TCDH030	176	177	145	30900	3.0899999	0.0145
TCDH030	177	178	160	47000	4.6999998	1.60E-02
TCDH030	178	179	143	62900	6.29	0.0143
TCDH030	179	180	504	27100	2.71	0.0504
TCDH030	180	181	55	17800	1.78	0.0055
TCDH030	182	183	139	128000	12.8	0.0139
TCDH030	183	184	83	139000	13.9	8.30E-03
TCDH030	185	186	120	42800	4.2800002	0.012
TCDH030	186	187	190	44500	4.4499998	1.90E-02
TCDH030	187	188	91	57200	5.7199998	9.10E-03
TCDH030	188	189	533	31700	3.1700001	5.33E-02
TCDH030	189	190	505	33400	3.3399999	5.05E-02
TCDH030	190	191	460	38900	3.8900001	0.046

TCDH030	191	192	128	30500	3.05	0.0128
TCDH030	192	193	142	47600	4.7600002	0.0142
TCDH030	193	194	129	22200	2.22	0.0129
TCDH030	194	195	942	22600	2.26	0.0942
TCDH030	195	196	355	30100	3.01	3.55E-02
TCDH030	196	197	362	33600	3.3599999	3.62E-02
TCDH030	197	198	1120	24800	2.48	0.112
TCDH030	198	199	537	24400	2.4400001	0.0537
TCDH030	199	200	1080	19400	1.9400001	0.108
TCDH030	200	201	709	16700	1.67	7.09E-02
TCDH030	201	202	66	22000	2.2	0.0066
TCDH030	202	203	47	17100	1.71	4.70E-03
TCDH030	203	204	3640	54500	5.4499998	0.36399999
TCDH030	204	205	170	40500	4.0500002	1.70E-02
TCDH030	205	206	935	27900	2.79	9.35E-02
TCDH030	206	207	142	54200	5.4200001	0.0142
TCDH030	207	208	71	44700	4.4699998	0.0071
TCDH030	208	209	311	57300	5.73	3.11E-02
TCDH030	209	210	1150	30200	3.02	0.115
TCDH030	210	211	571	27500	2.75	5.71E-02
TCDH030	211	212	1790	22000	2.2	0.17900001
TCDH030	212	213	3990	18600	1.86	0.39899999
TCDH030	213	214	532	38900	3.8900001	5.32E-02
TCDH030	214	215	7380	69500	6.9499998	0.73799998
TCDH030	215	216	2200	52300	5.23	0.22
TCDH030	216	217	1450	33300	3.3299999	0.145
TCDH030	217	218	1050	57700	5.77	0.105
TCDH030	218	219	3720	66100	6.6100001	0.37200001
TCDH030	219	220	2270	9910	0.991	0.227
TCDH030	220	221	8300	62700	6.27	0.82999998
TCDH030	221	222	5870	54200	5.4200001	0.58700001
TCDH030	222	223	5250	28800	2.8800001	0.52499998
TCDH030	223	224	8470	44300	4.4299998	0.847
TCDH030	224	225	404	47700	4.77	4.04E-02
TCDH030	225	226	2030	161000	16.1	0.20299999
TCDH030	226	227	1430	69100	6.9099998	0.14300001
TCDH030	227	228	304	47200	4.7199998	3.04E-02
TCDH030	228	229	608	64500	6.4499998	6.08E-02
TCDH030	229	230	688	70000	7	6.88E-02
TCDH030	230	231	78	58200	5.8200002	7.80E-03
TCDH030	231	232	83	101000	10.1	8.30E-03
TCDH030	232	233	2160	119000	11.9	0.21600001
TCDH030	233	235	488	31300	3.1300001	4.88E-02
TCDH030	235	237	32	460	0.046	3.20E-03
TCDH030	237	239	19	-10	-0.001	0.0019
TCDH030	239	241	13	-10	-0.001	0.0013
TCDH030	241	243	16	570	0.057	0.0016
TCDH030	243	245	10	-10	-0.001	0.001
TCDH030	245	247	11	-10	-0.001	0.0011
TCDH030	247	249	17	-10	-0.001	0.0017
TCDH030	249	251	11	-10	-0.001	0.0011
TCDH030	251	253	12	-10	-0.001	1.20E-03
TCDH030	253	255	11	-10	-0.001	0.0011
TCDH030	255	257	13	-10	-0.001	0.0013
TCDH030	257	259	15	-10	-0.001	0.0015
TCDH030	259	261	14	-10	-0.001	0.0014
TCDH030	262	263	14	-10	-0.001	0.0014
TCDH030	263	265	16	-10	-0.001	0.0016
TCDH030	265	267	16	-10	-0.001	0.0016
TCDH030	267	269	14	-10	-0.001	0.0014
TCDH030	269	271	19	-10	-0.001	0.0019
TCDH030	271	273	16	-10	-0.001	0.0016
TCDH030	273	275	17	220	0.022	0.0017

TCDH030	275	277	15	-10	-0.001	0.0015
TCDH030	277	279	14	-10	-0.001	0.0014
TCDH030	279	281	16	-10	-0.001	0.0016
TCDH030	281	283	14	-10	-0.001	0.0014
TCDH030	283	285	17	-10	-0.001	0.0017
TCDH030	285	287	18	-10	-0.001	0.0018
TCDH030	287	289	15	-10	-0.001	0.0015
TCDH030	289	291	15	-10	-0.001	0.0015
TCDH030	291	293	12	-10	-0.001	1.20E-03
TCDH030	293	295	18	-10	-0.001	0.0018
TCDH030	295	297	12	-10	-0.001	1.20E-03
TCDH030	297	299	14	-10	-0.001	0.0014
TCDH030	299	301	11	-10	-0.001	0.0011
TCDH030	301	303	15	-10	-0.001	0.0015
TCDH030	303	305	20	-10	-0.001	2.00E-03
TCDH030	305	307	22	70	7.00E-03	0.0022
TCDH030	307	309	25	10	0.001	2.50E-03
TCDH030	309	311	30	-10	-0.001	0.003
TCDH030	311	313	46	-10	-0.001	4.60E-03
TCDH030	313	315	48	-10	-0.001	4.80E-03
TCDH030	315	317.20001	53	-10	-0.001	5.30E-03
TCDH029	0	2	43	630	6.30E-02	4.30E-03
TCDH029	2	4	151	820	8.20E-02	0.0151
TCDH029	4	6	391	1960	0.19599999	3.91E-02
TCDH029	6	7	371	1680	0.168	3.71E-02
TCDH029	7	8	258	940	9.40E-02	2.58E-02
TCDH029	8	9	464	4190	0.419	4.64E-02
TCDH029	9	10	244	2440	0.244	0.0244
TCDH029	10	11	89	1540	0.154	8.90E-03
TCDH029	11	12	47	1880	0.18799999	4.70E-03
TCDH029	12	13	77	6930	0.69300002	0.0077
TCDH029	13	14	75	8500	0.85000002	7.50E-03
TCDH029	14	15	47	12900	1.29	4.70E-03
TCDH029	15	16	34	8540	0.85399997	0.0034
TCDH029	16	17	124	13500	1.35	0.0124
TCDH029	17	18	284	40000	4	0.0284
TCDH029	18	19	335	48800	4.8800001	3.35E-02
TCDH029	19	20	407	39100	3.9100001	0.0407
TCDH029	20	21	278	108000	10.8	2.78E-02
TCDH029	21	22	261	25100	2.51	0.0261
TCDH029	22	23	259	11700	1.17	2.59E-02
TCDH029	23	24	145	20100	2.01	0.0145
TCDH029	24	25	186	28400	2.8399999	0.0186
TCDH029	25	26	81	34800	3.48	8.10E-03
TCDH029	26	27	95	17100	1.71	9.50E-03
TCDH029	27	28	65	6820	0.68199998	6.50E-03
TCDH029	28	29	55	4770	0.477	0.0055
TCDH029	29	30	128	11300	1.13	0.0128
TCDH029	30	31	249	5480	0.54799998	2.49E-02
TCDH029	31	32	904	119000	11.9	9.04E-02
TCDH029	32	33	144	24800	2.48	0.0144
TCDH029	33	34	113	12600	1.26	0.0113
TCDH029	34	35	68	28800	2.8800001	6.80E-03
TCDH029	35	36	113	65400	6.54	0.0113
TCDH029	36	37	156	23100	2.3099999	0.0156
TCDH029	37	38	579	149000	14.9	0.0579
TCDH029	38	39	232	92100	9.21	0.0232
TCDH029	39	40	156	74300	7.4299998	0.0156
TCDH029	40	41	107	44700	4.4699998	0.0107
TCDH029	41	42	80	11000	1.1	8.00E-03
TCDH029	42	43	106	22300	2.23	0.0106
TCDH029	43	44	944	159000	15.9	9.44E-02
TCDH029	44	45	567	127000	12.7	5.67E-02

TCDH029	45	46	1190	90600	9.0600004	0.119
TCDH029	46	48	974	3590	0.359	9.74E-02
TCDH029	48	50	332	1650	0.16500001	3.32E-02
TCDH029	50	52	173	1200	0.12	0.0173
TCDH029	52	54	206	1620	0.162	0.0206
TCDH029	54	56	249	8960	0.89600003	2.49E-02
TCDH029	56	58	234	490	4.90E-02	2.34E-02
TCDH029	58	60	184	220	0.022	0.0184
TCDH029	60	62	173	-10	-0.001	0.0173
TCDH029	62	64	188	-10	-0.001	0.0188
TCDH029	64	66	246	-10	-0.001	2.46E-02
TCDH029	66	68	228	-10	-0.001	0.0228
TCDH029	68	70	227	-10	-0.001	2.27E-02
TCDH029	70	72	282	-10	-0.001	2.82E-02
TCDH029	72	74	304	-10	-0.001	3.04E-02
TCDH029	74	76	265	-10	-0.001	0.0265
TCDH029	76	78	289	-10	-0.001	2.89E-02
TCDH029	78	80	323	-10	-0.001	3.23E-02
TCDH029	80	82	345	-10	-0.001	3.45E-02
TCDH029	82	84	369	-10	-0.001	3.69E-02
TCDH029	84	86	349	-10	-0.001	3.49E-02
TCDH029	86	88	374	-10	-0.001	0.0374
TCDH029	88	90	198	-10	-0.001	0.0198
TCDH029	90	92	85	-10	-0.001	8.50E-03
TCDH029	92	94	84	-10	-0.001	8.40E-03
TCDH029	94	96	104	-10	-0.001	0.0104
TCDH029	96	98	85	-10	-0.001	8.50E-03
TCDH029	98	100	94	-10	-0.001	9.40E-03
TCDH029	100	102	68	-10	-0.001	6.80E-03
TCDH029	102	104	100	-10	-0.001	1.00E-02
TCDH029	104	106	108	-10	-0.001	0.0108
TCDH029	106	108	112	-10	-0.001	0.0112
TCDH029	108	110	127	-10	-0.001	0.0127
TCDH029	110	112	119	-10	-0.001	0.0119
TCDH029	112	114	125	-10	-0.001	0.0125
TCDH029	114	116	117	-10	-0.001	0.0117
TCDH029	116	118	130	-10	-0.001	0.013
TCDH029	118	120	131	-10	-0.001	0.0131
TCDH029	120	122	139	-10	-0.001	0.0139
TCDH029	122	124	168	-10	-0.001	1.68E-02
TCDH029	124	126	168	-10	-0.001	1.68E-02
TCDH029	126	128	156	-10	-0.001	0.0156
TCDH029	128	130	111	-10	-0.001	0.0111
TCDH029	130	132	69	20	2.00E-03	6.90E-03
TCDH029	132	134	57	30	0.003	5.70E-03
TCDH029	134	136	119	20	2.00E-03	0.0119
TCDH029	136	138	231	80	8.00E-03	0.0231
TCDH029	138	140	268	120	0.012	2.68E-02
TCDH029	140	142	268	120	0.012	2.68E-02
TCDH029	142	144	280	340	3.40E-02	2.80E-02
TCDH029	144	146	257	300	3.00E-02	2.57E-02
TCDH029	146	148	259	400	4.00E-02	2.59E-02
TCDH029	148	150	308	2430	0.243	0.0308
TCDH029	150	152	258	3600	0.36000001	2.58E-02
TCDH029	152	154	363	1680	0.168	0.0363
TCDH029	154	156	305	2920	0.292	0.0305
TCDH029	156	158	316	1970	0.197	3.16E-02
TCDH029	158	160	402	1560	0.156	4.02E-02
TCDH029	160	162	399	1610	0.161	3.99E-02
TCDH029	162	164	502	310	3.10E-02	0.0502
TCDH029	164	166	496	260	2.60E-02	4.96E-02
TCDH029	166	168	443	260	2.60E-02	4.43E-02
TCDH029	168	170	373	10	0.001	3.73E-02

TCDH029	170	172	394	280	2.80E-02	0.0394
TCDH029	172	174	263	-10	-0.001	0.0263
TCDH029	174	176	257	-10	-0.001	2.57E-02
TCDH029	176	178	240	-10	-0.001	0.024
TCDH029	178	180	244	80	8.00E-03	0.0244
TCDH029	180	182	288	170	1.70E-02	0.0288
TCDH029	182	184	282	360	3.60E-02	2.82E-02
TCDH029	184	186	239	480	0.048	0.0239
TCDH029	186	188	280	490	4.90E-02	2.80E-02
TCDH029	188	190	313	450	4.50E-02	3.13E-02
TCDH029	190	192	114	470	4.70E-02	0.0114
TCDH029	192	194	127	440	0.044	0.0127
TCDH029	194	196	214	470	4.70E-02	2.14E-02
TCDH029	196	198	184	330	0.033	0.0184
TCDH029	198	200.55	124	240	0.024	0.0124
TCDH031	0	2	127	420	4.20E-02	0.0127
TCDH031	2	4	158	150	0.015	1.58E-02
TCDH031	4	6	162	90	9.00E-03	0.0162
TCDH031	6	8	195	130	0.013	0.0195
TCDH031	8	10	151	120	0.012	0.0151
TCDH031	10	12	29	30	0.003	0.0029
TCDH031	12	14	26	30	0.003	0.0026
TCDH031	14	16	51	120	0.012	5.10E-03
TCDH031	16	18	19	110	0.011	0.0019
TCDH031	18	20	35	90	9.00E-03	3.50E-03
TCDH031	20	22	168	210	0.021	1.68E-02
TCDH031	22	24	31	120	0.012	3.10E-03
TCDH031	24	26	77	180	1.80E-02	0.0077
TCDH031	26	28	46	80	8.00E-03	4.60E-03
TCDH031	28	30	23	30	0.003	2.30E-03
TCDH031	30	32	18	30	0.003	0.0018
TCDH031	32	34	23	-10	-0.001	2.30E-03
TCDH031	34	36	28	20	2.00E-03	2.80E-03
TCDH031	36	38	59	90	9.00E-03	5.90E-03
TCDH031	38	40	33	30	0.003	0.0033
TCDH031	40	42	16	10	0.001	0.0016
TCDH031	42	44	19	-10	-0.001	0.0019
TCDH031	44	46	18	10	0.001	0.0018
TCDH031	46	48	13	10	0.001	0.0013
TCDH031	48	50	10	20	2.00E-03	0.001
TCDH031	50	52	17	10	0.001	0.0017
TCDH031	52	54	14	10	0.001	0.0014
TCDH031	54	56	14	-10	-0.001	0.0014
TCDH031	56	58	25	-10	-0.001	2.50E-03
TCDH031	58	60	34	20	2.00E-03	0.0034
TCDH031	60	62	28	-10	-0.001	2.80E-03
TCDH031	62	64	18	20	2.00E-03	0.0018
TCDH031	64	66	20	50	5.00E-03	2.00E-03
TCDH031	66	68	30	90	9.00E-03	0.003
TCDH031	68	70	59	140	0.014	5.90E-03
TCDH031	70	72	82	130	0.013	0.0082
TCDH031	72	74	86	120	0.012	8.60E-03
TCDH031	74	76	103	80	8.00E-03	0.0103
TCDH031	76	78	159	130	0.013	1.59E-02
TCDH031	78	80	156	120	0.012	0.0156
TCDH031	80	82	164	240	0.024	0.0164
TCDH031	82	84	160	640	6.40E-02	1.60E-02
TCDH031	84	86	127	510	5.10E-02	0.0127
TCDH031	86	88	213	240	0.024	2.13E-02
TCDH031	88	90	117	120	0.012	0.0117
TCDH031	90	92	155	90	9.00E-03	0.0155
TCDH031	92	94	89	160	1.60E-02	8.90E-03
TCDH031	94	96	106	120	0.012	0.0106

TCDH031	96	98	62	100	1.00E-02	6.20E-03
TCDH031	98	100	92	110	0.011	9.20E-03
TCDH031	100	101	118	240	0.024	0.0118
TCDH031	101	102	109	390	3.90E-02	0.0109
TCDH031	102	103	225	47100	4.71	2.25E-02
TCDH031	103	104	363	20500	2.05	0.0363
TCDH031	104	105	621	24600	2.46	6.21E-02
TCDH031	105	106	846	22600	2.26	8.46E-02
TCDH031	106	107	434	4200	0.41999999	4.34E-02
TCDH031	107	108	576	19800	1.98	5.76E-02
TCDH031	108	109	527	80000	8	5.27E-02
TCDH031	109	110	1980	49000	4.9000001	0.198
TCDH031	110	111	1450	10900	1.09	0.145
TCDH031	112	113	1290	76700	7.6700001	0.12899999
TCDH031	113	114	911	70400	7.04	0.0911
TCDH031	115	116	372	28100	2.8099999	0.0372
TCDH031	116	117	466	61700	6.1700001	4.66E-02
TCDH031	118	119	6870	79900	7.9899998	0.68699998
TCDH031	119	120	401	31100	3.1099999	4.01E-02
TCDH031	120	121	934	37700	3.77	9.34E-02
TCDH031	121	122	1790	105000	10.5	0.17900001
TCDH031	122	123	334	31600	3.1600001	3.34E-02
TCDH031	124	125	331	75400	7.54	3.31E-02
TCDH031	125	126	343	29500	2.95	3.43E-02
TCDH031	126	127	1870	71700	7.1700001	0.18700001
TCDH031	127	128	109	50100	5.0100002	0.0109
TCDH031	128	129	843	58300	5.8299999	8.43E-02
TCDH031	130	131	1310	41000	4.0999999	0.131
TCDH031	131	132	986	138000	13.8	0.0986
TCDH031	132	133	918	59300	5.9299998	9.18E-02
TCDH031	133	134	1410	101000	10.1	0.141
TCDH031	136	137	1420	56100	5.6100001	0.142
TCDH031	142	143	1670	39300	3.9300001	0.167
TCDH031	148	149	2040	24500	2.45	0.204
TCDH031	151	152	9330	163000	16.299999	0.93300003
TCDH031	152	153	12800	230000	23	1.28
TCDH031	154	155	3860	42500	4.25	0.38600001
TCDH031	155	156	4870	22600	2.26	0.48699999
TCDH031	157	158	269	9980	0.99800003	2.69E-02
TCDH031	158	159	358	11400	1.14	3.58E-02
TCDH031	160	161	291	33300	3.3299999	2.91E-02
TCDH031	161	162	94	15200	1.52	9.40E-03
TCDH031	163	164	137	10400	1.04	0.0137
TCDH031	164	165	385	11300	1.13	0.0385
TCDH031	166	167	517	6060	0.60600001	0.0517
TCDH031	169	170	384	24900	2.49	3.84E-02
TCDH031	170	171	719	66000	6.5999999	7.19E-02
TCDH031	181	182	175	32700	3.27	0.0175
TCDH031	184	185	313	12900	1.29	3.13E-02
TCDH031	187	188	927	4310	0.43099999	9.27E-02
TCDH031	188	189	177	1700	0.17	0.0177
TCDH031	189	190	78	3860	0.38600001	7.80E-03
TCDH031	190	191	17	5850	0.58499998	0.0017
TCDH031	191	192	19	2880	0.28799999	0.0019
TCDH031	192	193	25	6890	0.68900001	2.50E-03
TCDH031	193	194	52	5200	0.51999998	0.0052
TCDH031	194	195	10	5970	0.597	0.001
TCDH031	195	196	7	7120	0.71200001	7.00E-04
TCDH031	196	197	21	4410	0.44100001	2.10E-03
TCDH031	197	198	13	3270	0.32699999	0.0013
TCDH031	198	199	12	2130	0.213	1.20E-03
TCDH031	199	200	10	1660	0.16599999	0.001
TCDH031	200	201	5	2140	0.214	5.00E-04

TCDH031	201	202	22	4270	0.42699999	0.0022
TCDH031	202	203	32	5190	0.51899999	3.20E-03
TCDH031	203	204	40	10200	1.02	4.00E-03
TCDH031	204	205	55	7570	0.75700003	0.0055
TCDH031	205	206	33	2270	0.227	0.0033
TCDH031	206	207	22	2830	0.28299999	0.0022
TCDH031	207	208	24	2460	0.24600001	2.40E-03
TCDH031	208	209	50	15400	1.54	5.00E-03
TCDH031	209	210	53	11500	1.15	5.30E-03
TCDH031	210	211	27	3760	0.37599999	2.70E-03
TCDH031	211	212	20	11700	1.17	2.00E-03
TCDH031	212	213	28	13600	1.36	2.80E-03
TCDH031	213	214	23	13400	1.34	2.30E-03
TCDH031	214	215	27	1660	0.16599999	2.70E-03
TCDH031	215	216	14	4180	0.41800001	0.0014
TCDH031	216	217	17	3540	0.354	0.0017
TCDH031	217	218	7	3330	0.333	7.00E-04
TCDH031	218	219	36	9180	0.91799998	3.60E-03
TCDH031	219	220	33	10700	1.0700001	0.0033
TCDH031	220	221	20	5450	0.54500002	2.00E-03
TCDH031	221	222	24	9060	0.90600002	2.40E-03
TCDH031	222	223	23	6190	0.61900002	2.30E-03
TCDH031	223	224	27	3090	0.30899999	2.70E-03
TCDH031	224	225	53	4950	0.495	5.30E-03
TCDH031	225	226	45	13000	1.3	4.50E-03
TCDH031	226	227	38	13000	1.3	3.80E-03
TCDH031	227	228	43	2660	0.266	4.30E-03
TCDH031	228	229	31	4120	0.412	3.10E-03
TCDH031	229	230	32	3530	0.35299999	3.20E-03
TCDH031	230	231	29	5090	0.509	0.0029
TCDH031	231	232	21	2210	0.221	2.10E-03
TCDH031	232	233	150	4780	0.47799999	0.015
TCDH031	233	234	162	3090	0.30899999	0.0162
TCDH031	234	235	35	20	2.00E-03	3.50E-03
TCDH031	235	236	41	-10	-0.001	0.0041
TCDH031	236	238	29	-10	-0.001	0.0029
TCDH031	238	240	23	30	0.003	2.30E-03
TCDH031	240	242	32	20	2.00E-03	3.20E-03
TCDH031	242	244	63	390	3.90E-02	0.0063
TCDH031	244	246	75	80	8.00E-03	7.50E-03
TCDH031	246	248	62	60	6.00E-03	6.20E-03
TCDH031	248	250	126	150	0.015	0.0126
TCDH031	250	252	177	1720	0.17200001	0.0177
TCDH031	252	254	101	110	0.011	0.0101
TCDH031	254	256	94	100	1.00E-02	9.40E-03
TCDH031	256	258	112	360	3.60E-02	0.0112
TCDH031	258	260	106	290	2.90E-02	0.0106
TCDH031	260	262	72	910	9.10E-02	7.20E-03
TCDH031	262	264	53	1130	0.113	5.30E-03
TCDH031	264	266	66	690	6.90E-02	0.0066
TCDH031	266	268	64	560	5.60E-02	6.40E-03
TCDH031	268	270	47	210	0.021	4.70E-03
TCDH031	270	272	23	20	2.00E-03	2.30E-03
TCDH031	272	274	81	20	2.00E-03	8.10E-03
TCDH031	274	276	120	20	2.00E-03	0.012
TCDH031	276	278	123	60	6.00E-03	0.0123
TCDH031	278	280	105	20	2.00E-03	0.0105
TCDH036	0	1	2630	61700	6.1700001	0.26300001
TCDH036	1	2	2240	44200	4.4200001	0.22400001
TCDH036	2	3	4420	56100	5.6100001	0.442
TCDH036	3	4	11400	46500	4.6500001	1.14
TCDH036	4	5	22100	41500	4.1500001	2.21
TCDH036	5	6	8770	27800	2.78	0.87699997

TCDH036	6	7	6440	33600	3.3599999	0.64399999
TCDH036	7	8	10100	38300	3.8299999	1.01
TCDH036	8	9	1740	26200	2.6199999	0.17399999
TCDH036	9	10	10000	33600	3.3599999	1
TCDH036	10	11	18600	25200	2.52	1.86
TCDH036	11	12	13000	30300	3.03	1.3
TCDH036	12	13	27700	67600	6.7600002	2.77
TCDH036	13	14	45100	101000	10.1	4.5100002
TCDH036	14	15	73300	133000	13.3	7.3299999
TCDH036	15	16	10500	40100	4.0100002	1.05
TCDH036	16	17	8810	31600	3.1600001	0.88099998
TCDH036	17	18	1860	113000	11.3	0.186
TCDH036	18	19	1210	71600	7.1599998	0.121
TCDH036	19	20	7370	63700	6.3699999	0.73699999
TCDH036	20	21	14400	54100	5.4099998	1.4400001
TCDH036	21	22	1070	47000	4.6999998	0.107
TCDH036	22	23	11500	100000	10	1.15
TCDH036	23	24	29600	210000	21	2.96
TCDH036	24	25	18400	161000	16.1	1.84
TCDH036	25	26	15700	180000	18	1.5700001
TCDH036	26	27	20500	207000	20.700001	2.05
TCDH036	27	28	30000	142000	14.2	3
TCDH036	28	29	12700	130000	13	1.27
TCDH036	29	30	8860	101000	10.1	0.88599998
TCDH036	30	31	4100	225000	22.5	0.41
TCDH036	31	32	4370	116000	11.6	0.43700001
TCDH036	32	33	6270	87600	8.7600002	0.62699997
TCDH036	33	34	5280	138000	13.8	0.528
TCDH036	34	35	5850	53700	5.3699999	0.58499998
TCDH036	35	36	6400	77000	7.6999998	0.63999999
TCDH036	36	37	4320	83600	8.3599997	0.43200001
TCDH036	37	38	2750	103000	10.3	0.27500001
TCDH036	38	39	6240	235000	23.5	0.62400001
TCDH036	39	40	4130	186000	18.6	0.41299999
TCDH036	40	41	713	68700	6.8699999	0.0713
TCDH036	41	42	1080	83500	8.3500004	0.108
TCDH036	42	43	633	34000	3.4000001	6.33E-02
TCDH036	43	44	825	111000	11.1	8.25E-02
TCDH036	44	45	643	62300	6.23	6.43E-02
TCDH036	45	46	648	29200	2.9200001	6.48E-02
TCDH036	46	47	182	44300	4.4299998	1.82E-02
TCDH036	47	48	296	45700	4.5700002	0.0296
TCDH036	48	49	1210	203000	20.299999	0.121
TCDH036	49	50	327	107000	10.7	3.27E-02
TCDH036	50	51	329	235000	23.5	3.29E-02
TCDH036	51	52	1230	252000	25.200001	0.123
TCDH036	52	53	19	890	8.90E-02	0.0019
TCDH036	53	54	1610	460	0.046	0.161
TCDH036	54	55	176	370	0.037	0.0176
TCDH036	55	56	3060	740	7.40E-02	0.30599999
TCDH036	56	57	3690	3680	0.368	0.36899999
TCDH036	57	58	1600	125000	12.5	0.16
TCDH036	58	59	142	87300	8.7299995	0.0142
TCDH036	59	60	113	88300	8.8299999	0.0113
TCDH036	60	61	313	90500	9.0500002	3.13E-02
TCDH036	61	62	1040	133000	13.3	0.104
TCDH036	62	63	66	20800	2.0799999	0.0066
TCDH036	63	64	15	760	7.60E-02	0.0015
TCDH036	64	65	28	5590	0.55900002	2.80E-03
TCDH036	65	66	26	4640	0.46399999	0.0026
TCDH036	66	67	45	3330	0.333	4.50E-03
TCDH036	67	68	27	2550	0.255	2.70E-03
TCDH036	68	69	156	5760	0.57599998	0.0156

TCDH036	69	70	102	5580	0.55800003	0.0102
TCDH036	70	71	172	117000	11.7	1.72E-02
TCDH036	71	72	252	42800	4.2800002	0.0252
TCDH036	72	73	435	113000	11.3	4.35E-02
TCDH036	73	74	1360	228000	22.799999	0.13600001
TCDH036	74	75	83	97400	9.7399998	8.30E-03
TCDH036	75	76	1160	219000	21.9	0.116
TCDH036	76	77	379	164000	16.4	3.79E-02
TCDH036	77	78	313	116000	11.6	3.13E-02
TCDH036	78	79	452	150000	15	4.52E-02
TCDH036	79	80	466	135000	13.5	4.66E-02
TCDH036	80	81	8440	276000	27.6	0.84399998
TCDH036	81	82	1990	147000	14.7	0.199
TCDH036	82	83	1700	191000	19.1	0.17
TCDH036	83	84	467	107000	10.7	4.67E-02
TCDH036	84	85	1970	128000	12.8	0.197
TCDH036	85	86	11400	103000	10.3	1.14
TCDH036	86	87	21500	129000	12.9	2.1500001
TCDH036	87	88	7820	114000	11.4	0.78200001
TCDH036	88	89	3050	134000	13.4	0.30500001
TCDH036	89	90	799	135000	13.5	7.99E-02
TCDH036	90	91	341	129000	12.9	0.0341
TCDH036	91	92	124	218000	21.799999	0.0124
TCDH036	92	93	135	172000	17.200001	0.0135
TCDH036	93	94	149	192000	19.200001	0.0149
TCDH036	94	95	295	290000	29	0.0295
TCDH036	95	96	106	243000	24.299999	0.0106
TCDH036	96	97	86	107000	10.7	8.60E-03
TCDH036	97	98	172	101000	10.1	1.72E-02
TCDH036	98	99	294	96800	9.6800003	0.0294
TCDH036	99	100	1330	120000	12	0.133
TCDH036	100	101	82	128000	12.8	0.0082
TCDH036	101	102	90	176000	17.6	9.00E-03
TCDH036	102	103	114	184000	18.4	0.0114
TCDH036	103	104	89	125000	12.5	8.90E-03
TCDH036	104	105	87	95900	9.5900002	8.70E-03
TCDH036	105	106	61	41700	4.1700001	6.10E-03
TCDH036	106	107	91	94900	9.4899998	9.10E-03
TCDH036	107	108	104	100000	10	0.0104
TCDH036	108	109	55	79600	7.96	0.0055
TCDH036	109	110	82	108000	10.8	0.0082
TCDH036	110	111	100	59700	5.9699998	1.00E-02
TCDH036	111	112	200	89600	8.96	0.02
TCDH036	112	113	558	136000	13.6	5.58E-02
TCDH036	113	114	292	104000	10.4	2.92E-02
TCDH036	114	115	70	5970	0.597	7.00E-03
TCDH036	115	116	449	128000	12.8	0.0449
TCDH036	116	117	161	176000	17.6	1.61E-02
TCDH036	117	118	95	81800	8.1800003	9.50E-03
TCDH036	118	119	112	84900	8.4899998	0.0112
TCDH036	119	120	94	112000	11.2	9.40E-03
TCDH036	120	121	98	97900	9.79	9.80E-03
TCDH036	121	122	144	89700	8.9700003	0.0144
TCDH036	122	123	171	60900	6.0900002	1.71E-02
TCDH036	123	124	199	95000	9.5	0.0199
TCDH036	124	125	229	43400	4.3400002	0.0229
TCDH036	125	126	462	55800	5.5799999	0.0462
TCDH036	126	127	1450	24300	2.4300001	0.145
TCDH036	127	128	3520	27500	2.75	0.352
TCDH036	128	129	1790	11400	1.14	0.17900001
TCDH036	130	131	2800	20100	2.01	0.28
TCDH036	131	132	3830	20700	2.0699999	0.38299999
TCDH036	133	134	3180	35700	3.5699999	0.31799999

TCDH036	134	135	6910	28300	2.8299999	0.69099998
TCDH036	135	136	5740	18200	1.8200001	0.574
TCDH036	136	137	6090	22100	2.21	0.60900003
TCDH036	137	138	9500	30700	3.0699999	0.94999999
TCDH036	138	139	7860	21600	2.1600001	0.78600001
TCDH036	140	141	8200	17700	1.77	0.81999999
TCDH036	141	142	957	9430	0.94300002	9.57E-02
TCDH036	143	144	182	20800	2.0799999	1.82E-02
TCDH036	144	145	126	7590	0.759	0.0126
TCDH036	145	146	158	15800	1.58	1.58E-02
TCDH036	146	147	99	10800	1.08	9.90E-03
TCDH036	147	148	212	4550	0.45500001	2.12E-02
TCDH036	148	149	583	10100	1.01	0.0583
TCDH036	149	150	1070	8560	0.85600001	0.107
TCDH036	150	151	202	6770	0.67699999	2.02E-02
TCDH036	151	152	92	4490	0.449	9.20E-03
TCDH036	152	153	276	4110	0.41100001	0.0276
TCDH036	153	154	145	5580	0.55800003	0.0145
TCDH036	154	155	688	5560	0.55599999	6.88E-02
TCDH036	155	156	368	5410	0.54100001	3.68E-02
TCDH036	156	157	3130	9260	0.926	0.31299999
TCDH036	158	159	359	13300	1.33	0.0359
TCDH036	159	160	1170	11700	1.17	0.117
TCDH036	160	161	1320	21800	2.1800001	0.132
TCDH036	161	162	516	10100	1.01	5.16E-02
TCDH036	162	163	15800	24100	2.4100001	1.58
TCDH036	163	164	1620	6120	0.61199999	0.162
TCDH036	164	165	5220	16800	1.6799999	0.52200001
TCDH036	165	166	4190	13400	1.34	0.419
TCDH036	166	167	225	13900	1.39	2.25E-02
TCDH036	167	168	985	16300	1.63	9.85E-02
TCDH036	168	169	134	10300	1.03	0.0134
TCDH036	169	170	249	8250	0.82499999	2.49E-02
TCDH036	170	171	276	11600	1.16	0.0276
TCDH036	171	172	892	7630	0.76300001	8.92E-02
TCDH036	172	173	196	9040	0.90399998	0.0196
TCDH036	173	174	165	10100	1.01	0.0165
TCDH036	174	175	128	6720	0.67199999	0.0128
TCDH036	175	176	268	5970	0.597	2.68E-02
TCDH036	176	177	138	30700	3.0699999	0.0138
TCDH036	177	178	138	17700	1.77	0.0138
TCDH036	178	179	465	9980	0.99800003	4.65E-02
TCDH036	179	180	116	9630	0.963	0.0116
TCDH036	180	181	135	3650	0.36500001	0.0135
TCDH036	181	182	70	6220	0.62199998	7.00E-03
TCDH036	182	183	241	6940	0.69400001	0.0241
TCDH036	183	184	143	3620	0.36199999	0.0143
TCDH036	184	185	74	2790	0.27900001	0.0074
TCDH036	185	186	390	6280	0.62800002	3.90E-02
TCDH036	186	187	92	2570	0.257	9.20E-03
TCDH036	187	188	1740	9780	0.97799999	0.17399999
TCDH036	188	189	184	4590	0.45899999	0.0184
TCDH036	189	190	237	4790	0.479	2.37E-02
TCDH036	190	191	206	2320	0.23199999	0.0206
TCDH036	191	192	180	4610	0.461	1.80E-02
TCDH036	192	193	922	13700	1.37	9.22E-02
TCDH036	193	194	161	1800	0.18000001	1.61E-02
TCDH036	194	195	85	2210	0.221	8.50E-03
TCDH036	195	196	194	3660	0.366	1.94E-02
TCDH036	196	197	422	6440	0.64399999	4.22E-02
TCDH036	197	198	290	8060	0.80599999	2.90E-02
TCDH036	198	199	229	5270	0.52700001	0.0229
TCDH036	199	200	203	4820	0.48199999	2.03E-02

TCDH036	200	201	221	1590	0.15899999	0.0221
TCDH036	201	202	238	1390	0.139	2.38E-02
TCDH036	202	203	536	10300	1.03	5.36E-02
TCDH036	203	204	343	1900	0.19	3.43E-02
TCDH036	204	205	246	1520	0.152	2.46E-02
TCDH036	205	206	257	2160	0.21600001	2.57E-02
TCDH036	206	207	64	17600	1.76	6.40E-03
TCDH036	207	208	80	22900	2.29	8.00E-03
TCDH036	208	209	96	113000	11.3	9.60E-03
TCDH036	209	210	69	13500	1.35	6.90E-03
TCDH036	210	211	125	17100	1.71	0.0125
TCDH036	211	212	239	21500	2.1500001	0.0239
TCDH036	212	213	930	37900	3.79	9.30E-02
TCDH036	213	214	618	26500	2.6500001	6.18E-02
TCDH036	214	215	56	13900	1.39	5.60E-03
TCDH036	215	216	100	23700	2.3699999	1.00E-02
TCDH036	216	217	360	32800	3.28	3.60E-02
TCDH036	217	218	48	52800	5.2800002	4.80E-03
TCDH036	218	219	34	14000	1.4	0.0034
TCDH036	219	220	23	25100	2.51	2.30E-03
TCDH036	221	222	66	42900	4.29	0.0066
TCDH036	222	223	48	9950	0.995	4.80E-03
TCDH036	223	224	66	35400	3.54	0.0066
TCDH036	224	225	97	28400	2.8399999	9.70E-03
TCDH036	225	226	129	56700	5.6700001	0.0129
TCDH036	226	227	167	76600	7.6599998	0.0167
TCDH036	227	228	112	6520	0.65200001	0.0112
TCDH036	228	229	115	29200	2.9200001	0.0115
TCDH036	230	231	93	18200	1.8200001	0.0093
TCDH036	231	232	120	10100	1.01	0.012
TCDH036	232	233	110	8670	0.86699998	0.011
TCDH036	233	234	196	20600	2.0599999	0.0196
TCDH036	239	240	1250	39400	3.9400001	0.125
TCDH036	242	243	1780	55300	5.5300002	0.178
TCDH036	243	244	188	340	3.40E-02	0.0188
TCDH036	245	246	254	990	9.90E-02	0.0254
TCDH036	246	247	59	40	4.00E-03	5.90E-03
TCDH036	247	249	48	50	5.00E-03	4.80E-03
TCDH036	249	251	55	50	5.00E-03	0.0055
TCDH036	251	253	50	50	5.00E-03	5.00E-03
TCDH036	253	255	38	40	4.00E-03	3.80E-03
TCDH036	255	257	31	40	4.00E-03	3.10E-03
TCDH036	257	259	42	10	0.001	4.20E-03
TCDH036	259	261	47	10	0.001	4.70E-03
TCDH036	261	263	22	-10	-0.001	0.0022
TCDH036	263	265	10	-10	-0.001	0.001
TCDH036	265	267	36	120	0.012	3.60E-03
TCDH036	267	269	35	20	2.00E-03	3.50E-03
TCDH036	269	271	38	20	2.00E-03	3.80E-03
TCDH036	271	273	7	30	0.003	7.00E-04
TCDH036	273	275	27	10	0.001	2.70E-03
TCDH036	275	277	11	-10	-0.001	0.0011
TCDH036	277	279	13	-10	-0.001	0.0013
TCDH036	279	281	26	10	0.001	0.0026
TCDH036	281	283	18	20	2.00E-03	0.0018
TCDH036	283	285	22	-10	-0.001	0.0022
TCDH036	285	287	10	-10	-0.001	0.001
TCDH036	287	289	11	-10	-0.001	0.0011
TCDH036	289	291	18	-10	-0.001	0.0018
TCDH036	291	293	14	-10	-0.001	0.0014
TCDH036	293	295	39	10	0.001	3.90E-03
TCDH036	295	297	21	-10	-0.001	2.10E-03
TCDH036	297	299	31	-10	-0.001	3.10E-03

TCDH036	299	301	10	-10	-0.001	0.001
TCDH036	301	303	27	-10	-0.001	2.70E-03
TCDH036	303	305	14	-10	-0.001	0.0014
TCDH036	305	307	35	-10	-0.001	3.50E-03
TCDH036	307	309	37	-10	-0.001	0.0037
TCDH036	309	311	26	-10	-0.001	0.0026
TCDH036	311	313	26	-10	-0.001	0.0026
TCDH036	313	315	39	-10	-0.001	3.90E-03
TCDH036	315	317	26	-10	-0.001	0.0026
TCDH036	317	319	24	-10	-0.001	2.40E-03
TCDH036	319	321	28	-10	-0.001	2.80E-03
TCDH036	321	323	26	-10	-0.001	0.0026
TCDH036	323	325	10	-10	-0.001	0.001
TCDH036	325	327	20	20	2.00E-03	2.00E-03
TCDH036	327	329	7	20	2.00E-03	7.00E-04
TCDH036	329	331	25	70	7.00E-03	2.50E-03
TCDH036	331	333	15	20	2.00E-03	0.0015
TCDH036	333	335	30	10	0.001	0.003
TCDH036	335	337	9	-10	-0.001	9.00E-04
TCDH036	337	339	-1	-10	-0.001	-1.00E-04
TCDH036	339	341	21	-10	-0.001	2.10E-03
TCDH036	341	343	6	-10	-0.001	6.00E-04
TCDH036	343	345	-1	20	2.00E-03	-1.00E-04
TCDH036	345	347	14	-10	-0.001	0.0014
TCDH036	347	349	-1	-10	-0.001	-1.00E-04
TCDH036	349	351	19	50	5.00E-03	0.0019
TCDH036	351	353	6	-10	-0.001	6.00E-04
TCDH036	353	355	29	-10	-0.001	0.0029
TCDH036	355	357	-1	-10	-0.001	-1.00E-04
TCDH036	357	359	30	-10	-0.001	0.003
TCDH036	359	361	12	-10	-0.001	1.20E-03
TCDH036	361	362.5	23	110	0.011	2.30E-03
TCDH034	0	1	2860	50800	5.0799999	0.28600001
TCDH034	1	2	3640	31600	3.1600001	0.36399999
TCDH034	2	3	466	3860	0.38600001	4.66E-02
TCDH034	3	4	1880	4890	0.48899999	0.18799999
TCDH034	4	5	3660	5490	0.54900002	0.366
TCDH034	5	6	6320	16600	1.66	0.63200003
TCDH034	6	7	3800	8710	0.87099999	0.38
TCDH034	7	8	1910	7230	0.72299999	0.191
TCDH034	8	9	3750	18100	1.8099999	0.375
TCDH034	9	10	8300	33900	3.3900001	0.82999998
TCDH034	10	11	5620	17200	1.72	0.56199998
TCDH034	11	12	4060	13400	1.34	0.40599999
TCDH034	12	13	4130	15500	1.55	0.41299999
TCDH034	13	14	3880	20700	2.0699999	0.38800001
TCDH034	14	15	4850	37200	3.72	0.48500001
TCDH034	15	16	8460	37900	3.79	0.84600002
TCDH034	16	17	8960	53000	5.3000002	0.89600003
TCDH034	17	18	6590	61500	6.1500001	0.65899998
TCDH034	18	19	3240	56100	5.6100001	0.324
TCDH034	19	20	1350	98200	9.8199997	0.13500001
TCDH034	22	23	1000	195000	19.5	0.1
TCDH034	23	24	525	150000	15	5.25E-02
TCDH034	24	25	1020	265000	26.5	0.102
TCDH034	25	26	857	95700	9.5699997	8.57E-02
TCDH034	26	27	947	74800	7.48	9.47E-02
TCDH034	27	28	1450	79400	7.9400001	0.145
TCDH034	28	29	1630	83100	8.3100004	0.163
TCDH034	29	30	1930	95900	9.5900002	0.193
TCDH034	30	31	1340	97400	9.7399998	0.134
TCDH034	31	32	2340	108000	10.8	0.234
TCDH034	32	33	1890	122000	12.2	0.189

TCDH034	33	34	2800	150000	15	0.28
TCDH034	34	35	1850	176000	17.6	0.185
TCDH034	35	36	2600	143000	14.3	0.25999999
TCDH034	36	37	6030	139000	13.9	0.60299999
TCDH034	37	38	5380	87900	8.79	0.53799999
TCDH034	38	39	4480	168000	16.799999	0.44800001
TCDH034	39	40	2270	139000	13.9	0.227
TCDH034	40	41	2960	102000	10.2	0.296
TCDH034	41	42	3390	75600	7.5599999	0.33899999
TCDH034	42	43	3280	195000	19.5	0.32800001
TCDH034	43	44	18800	294000	29.4	1.88
TCDH034	44	45	17400	141000	14.1	1.74
TCDH034	46	47				
TCDH034	47	48	3510	150000	15	0.35100001
TCDH034	48	49	8250	61800	6.1799998	0.82499999
TCDH034	49	50	9650	206000	20.6	0.96499997
TCDH034	50	51	19300	238000	23.799999	1.9299999
TCDH034	51	52	12100	99600	9.96	1.21
TCDH034	52	53	4180	128000	12.8	0.41800001
TCDH034	53	54	719	82700	8.2700005	7.19E-02
TCDH034	55	56	1450	111000	11.1	0.145
TCDH034	56	57	1610	177000	17.700001	0.161
TCDH034	57	58	3240	249000	24.9	0.324
TCDH034	58	59	3130	83900	8.3900003	0.31299999
TCDH034	59	60	1940	101000	10.1	0.19400001
TCDH034	60	61	4490	374000	37.400002	0.449
TCDH034	61	62	4250	179000	17.9	0.42500001
TCDH034	62	63	4750	131000	13.1	0.47499999
TCDH034	63	64	5720	143000	14.3	0.57200003
TCDH034	64	65	4940	112000	11.2	0.49399999
TCDH034	65	66	7730	300000	30	0.773
TCDH034	66	67	3820	168000	16.799999	0.382
TCDH034	67	68	367	109000	10.9	3.67E-02
TCDH034	68	69	2570	107000	10.7	0.257
TCDH034	69	70	649	68600	6.8600001	6.49E-02
TCDH034	70	71	2340	147000	14.7	0.234
TCDH034	71	72	1550	105000	10.5	0.155
TCDH034	72	73	8740	75700	7.5700002	0.87400001
TCDH034	73	74	8120	88600	8.8599997	0.81199998
TCDH034	76	77	2010	67400	6.7399998	0.20100001
TCDH034	77	78	316	32000	3.2	3.16E-02
TCDH034	78	79	1690	33200	3.3199999	0.169
TCDH034	79	80	277	6970	0.69700003	0.0277
TCDH034	80	81	927	10500	1.05	9.27E-02
TCDH034	81	82	489	11600	1.16	4.89E-02
TCDH034	82	83	491	7060	0.70599997	0.0491
TCDH034	83	84	192	7950	0.79500002	1.92E-02
TCDH034	84	85	381	5710	0.57099998	0.0381
TCDH034	85	86	380	12700	1.27	3.80E-02
TCDH034	86	87	330	8040	0.80400002	0.033
TCDH034	87	88	224	4500	0.44999999	2.24E-02
TCDH034	88	89	288	44800	4.48	0.0288
TCDH034	89	90	3720	40600	4.0599999	0.37200001
TCDH034	90	91	8680	27000	2.7	0.86799997
TCDH034	91	92	504	110000	11	0.0504
TCDH034	92	93	427	114000	11.4	0.0427
TCDH034	93	94	210	155000	15.5	0.021
TCDH034	94	95	1190	207000	20.700001	0.119
TCDH034	95	96	516	173000	17.299999	5.16E-02
TCDH034	96	97	819	110000	11	8.19E-02
TCDH034	97	98	2820	194000	19.4	0.28200001
TCDH034	98	99	1100	72200	7.2199998	0.11
TCDH034	99	100	2230	267000	26.700001	0.223

TCDH034	103	104	852	105000	10.5	8.52E-02
TCDH034	104	105	856	137000	13.7	8.56E-02
TCDH034	105	106	1150	162000	16.200001	0.115
TCDH034	106	107	696	96500	9.6499996	6.96E-02
TCDH034	107	108	627	159000	15.9	6.27E-02
TCDH034	108	109	1560	91900	9.1899996	0.156
TCDH034	109	110	1940	76600	7.6599998	0.19400001
TCDH034	110	111	1480	52600	5.2600002	0.148
TCDH034	111	112	1930	51600	5.1599998	0.193
TCDH034	112	113	1010	48000	4.8000002	0.101
TCDH034	113	114	179	32900	3.29	1.79E-02
TCDH034	114	115	1380	75900	7.5900002	0.138
TCDH034	115	116	739	78800	7.8800001	7.39E-02
TCDH034	116	117	292	43800	4.3800001	2.92E-02
TCDH034	117	118	217	10200	1.02	0.0217
TCDH034	118	119	77	12600	1.26	0.0077
TCDH034	119	120	33	17500	1.75	0.0033
TCDH034	120	121	118	18700	1.87	0.0118
TCDH034	121	122	85	15300	1.53	8.50E-03
TCDH034	122	123	319	50900	5.0900002	0.0319
TCDH034	123	124	316	18700	1.87	3.16E-02
TCDH034	124	125	76	17100	1.71	7.60E-03
TCDH034	125	126	141	14700	1.47	0.0141
TCDH034	126	127	1160	32800	3.28	0.116
TCDH034	127	128	527	19500	1.95	5.27E-02
TCDH034	128	129	215	15000	1.5	2.15E-02
TCDH034	129	130	32900	85900	8.5900002	3.29
TCDH034	130	131	145	7620	0.76200002	0.0145
TCDH034	131	132	1110	35500	3.55	0.111
TCDH034	132	133	405	18000	1.8	0.0405
TCDH034	133	134	16	14000	1.4	0.0016
TCDH034	134	135	431	25500	2.55	4.31E-02
TCDH034	135	136	48	16700	1.67	4.80E-03
TCDH034	136	137	18	22200	2.22	0.0018
TCDH034	137	138	17	23300	2.3299999	0.0017
TCDH034	138	139	18	9600	0.95999998	0.0018
TCDH034	139	140	12	16300	1.63	1.20E-03
TCDH034	140	141	24	9210	0.921	2.40E-03
TCDH034	141	142	-1	7310	0.73100001	-1.00E-04
TCDH034	142	143	918	10200	1.02	9.18E-02
TCDH034	143	144	135	13500	1.35	0.0135
TCDH034	144	145	290	7620	0.76200002	2.90E-02
TCDH034	145	146	38	1770	0.177	3.80E-03
TCDH034	146	147	51	1370	0.13699999	5.10E-03
TCDH034	147	148	237	8040	0.80400002	2.37E-02
TCDH034	148	149	54	780	7.80E-02	5.40E-03
TCDH034	149	150	26	4140	0.414	0.0026
TCDH034	150	151	22	820	8.20E-02	0.0022
TCDH034	151	152	34	4100	0.41	0.0034
TCDH034	152	153	92	5680	0.56800002	9.20E-03
TCDH034	153	154	37	6540	0.65399998	0.0037
TCDH034	154	155	160	7060	0.70599997	1.60E-02
TCDH034	155	156	3010	7820	0.78200001	0.301
TCDH034	156	157	366	19800	1.98	3.66E-02
TCDH034	157	158	1110	12700	1.27	0.111
TCDH034	158	159	52	12500	1.25	0.0052
TCDH034	159	160	516	44200	4.4200001	5.16E-02
TCDH034	160	161	403	19400	1.9400001	0.0403
TCDH034	161	162	48	13900	1.39	4.80E-03
TCDH034	162	163	69	22900	2.29	6.90E-03
TCDH034	163	164	960	41300	4.1300001	9.60E-02
TCDH034	164	165	152	11700	1.17	0.0152
TCDH034	165	166	1510	21300	2.1300001	0.15099999

TCDH034	166	167	86	38800	3.8800001	8.60E-03
TCDH034	167	168	261	22600	2.26	0.0261
TCDH034	168	169	329	33400	3.3399999	3.29E-02
TCDH034	169	170	126	26400	2.6400001	0.0126
TCDH034	170	171	113	25400	2.54	0.0113
TCDH034	171	172	161	18600	1.86	1.61E-02
TCDH034	172	173	377	36500	3.6500001	3.77E-02
TCDH034	173	174	41	39900	3.99	0.0041
TCDH034	174	175	3870	44000	4.4000001	0.38699999
TCDH034	175	176	7680	19000	1.9	0.76800001
TCDH034	176	177	19600	46900	4.6900001	1.96
TCDH034	177	178	3520	42100	4.21	0.352
TCDH034	178	179	1880	31500	3.1500001	0.18799999
TCDH034	179	180	4	24100	2.4100001	4.00E-04
TCDH034	180	181	37	35700	3.5699999	0.0037
TCDH034	181	182	38	30000	3	3.80E-03
TCDH034	182	183	4450	52400	5.2399998	0.44499999
TCDH034	183	184	122	19100	1.91	0.0122
TCDH034	184	185	78	14900	1.49	7.80E-03
TCDH034	185	186	146	17600	1.76	0.0146
TCDH034	186	187	86	12300	1.23	8.60E-03
TCDH034	187	188	589	13800	1.38	5.89E-02
TCDH034	188	189	2550	21300	2.1300001	0.255
TCDH034	189	190	9600	40600	4.0599999	0.95999998
TCDH034	190	191	1590	37900	3.79	0.15899999
TCDH034	191	192	82	28200	2.8199999	0.0082
TCDH034	192	193	170	29800	2.98	1.70E-02
TCDH034	193	194	264	61700	6.1700001	0.0264
TCDH034	194	195	254	46000	4.5999999	0.0254
TCDH034	195	196	191	36500	3.6500001	1.91E-02
TCDH034	196	197	1130	48400	4.8400002	0.113
TCDH034	197	198	122	25800	2.5799999	0.0122
TCDH034	198	199	1180	46200	4.6199999	0.118
TCDH034	199	200	201	35900	3.5899999	2.01E-02
TCDH034	200	201	152	24500	2.45	0.0152
TCDH034	201	202	700	31100	3.1099999	0.07
TCDH034	202	203	186	24200	2.4200001	0.0186
TCDH034	203	204	446	34400	3.4400001	4.46E-02
TCDH034	204	205	152	20300	2.03	0.0152
TCDH034	205	206	93	22000	2.2	0.0093
TCDH034	206	207	13	21600	2.1600001	0.0013
TCDH034	207	208	1500	32100	3.21	0.15000001
TCDH034	208	209	1790	22300	2.23	0.17900001
TCDH034	209	210	144	16100	1.61	0.0144
TCDH034	210	211	353	17800	1.78	3.53E-02
TCDH034	211	212	441	19000	1.9	4.41E-02
TCDH034	212	213	209	26600	2.6600001	0.0209
TCDH034	213	214	125	33500	3.3499999	0.0125
TCDH034	214	215	158	63800	6.3800001	1.58E-02
TCDH034	215	216	100	8620	0.86199999	1.00E-02
TCDH034	216	217	1380	50500	5.0500002	0.138
TCDH034	217	218	20	40	4.00E-03	2.00E-03
TCDH034	218	219	62	170	1.70E-02	6.20E-03
TCDH034	219	220	44	100	1.00E-02	0.0044
TCDH034	220	221	37	50	5.00E-03	0.0037
TCDH034	221	222	27	60	6.00E-03	2.70E-03
TCDH034	222	223	29	50	5.00E-03	0.0029
TCDH034	223	224	24	30	0.003	2.40E-03
TCDH034	224	225	26	100	1.00E-02	0.0026
TCDH034	225	226	24	80	8.00E-03	2.40E-03
TCDH034	226	227	121	2530	0.25299999	0.0121
TCDH034	227	228	29	120	0.012	0.0029
TCDH034	228	229	20	20	2.00E-03	2.00E-03

TCDH034	229	230	14	-10	-0.001	0.0014
TCDH034	230	231	13	-10	-0.001	0.0013
TCDH034	231	232	21	10	0.001	2.10E-03
TCDH034	232	233	13	10	0.001	0.0013
TCDH034	233	234	21	20	2.00E-03	2.10E-03
TCDH034	234	235	18	20	2.00E-03	0.0018
TCDH034	235	236	21	-10	-0.001	2.10E-03
TCDH034	236	237	24	20	2.00E-03	2.40E-03
TCDH034	237	238	20	-10	-0.001	2.00E-03
TCDH034	238	239	15	-10	-0.001	0.0015
TCDH034	239	240	13	-10	-0.001	0.0013
TCDH034	240	241	16	-10	-0.001	0.0016
TCDH034	241	242	17	-10	-0.001	0.0017
TCDH034	242	243	20	-10	-0.001	2.00E-03
TCDH034	243	244	20	-10	-0.001	2.00E-03
TCDH034	244	245	15	-10	-0.001	0.0015
TCDH034	245	246	18	10	0.001	0.0018
TCDH034	246	247	19	-10	-0.001	0.0019
TCDH034	247	248	13	-10	-0.001	0.0013
TCDH034	248	249	17	10	0.001	0.0017
TCDH034	249	250	16	-10	-0.001	0.0016
TCDH034	250	251	17	-10	-0.001	0.0017
TCDH034	251	252	20	50	5.00E-03	2.00E-03
TCDH034	252	253	14	10	0.001	0.0014
TCDH034	253	254	17	-10	-0.001	0.0017
TCDH034	254	255	14	-10	-0.001	0.0014
TCDH034	255	256	13	-10	-0.001	0.0013
TCDH034	256	257	17	-10	-0.001	0.0017
TCDH034	257	258	16	-10	-0.001	0.0016
TCDH034	258	259	22	-10	-0.001	0.0022
TCDH034	259	260	17	10	0.001	0.0017
TCDH034	260	261	14	-10	-0.001	0.0014
TCDH034	261	262	19	-10	-0.001	0.0019
TCDH034	262	263	22	30	0.003	0.0022
TCDH034	263	264	14	-10	-0.001	0.0014
TCDH034	264	265	17	20	2.00E-03	0.0017
TCDH034	265	266	19	20	2.00E-03	0.0019
TCDH034	266	267	20	-10	-0.001	2.00E-03
TCDH034	267	268	17	-10	-0.001	0.0017
TCDH034	268	269	19	-10	-0.001	0.0019
TCDH034	269	270	17	-10	-0.001	0.0017
TCDH034	270	271	15	-10	-0.001	0.0015
TCDH034	271	272	20	10	0.001	2.00E-03
TCDH034	272	273	19	-10	-0.001	0.0019
TCDH034	273	274	20	-10	-0.001	2.00E-03
TCDH034	274	275	22	-10	-0.001	0.0022
TCDH034	275	276	22	20	2.00E-03	0.0022
TCDH034	276	277	23	-10	-0.001	2.30E-03
TCDH034	277	278	24	-10	-0.001	2.40E-03
TCDH034	278	279	20	-10	-0.001	2.00E-03
TCDH034	279	280	21	-10	-0.001	2.10E-03
TCDH034	280	281	21	-10	-0.001	2.10E-03
TCDH034	281	282	22	10	0.001	0.0022
TCDH034	282	283	26	80	8.00E-03	0.0026
TCDH034	283	284	82	70	7.00E-03	0.0082
TCDH034	284	285	21	80	8.00E-03	2.10E-03
TCDH034	285	286	18	10	0.001	0.0018
TCDH034	286	287	18	-10	-0.001	0.0018
TCDH034	287	288	23	20	2.00E-03	2.30E-03
TCDH034	288	289	23	-10	-0.001	2.30E-03
TCDH034	289	290	21	10	0.001	2.10E-03
TCDH034	290	291	24	-10	-0.001	2.40E-03
TCDH034	291	292	23	-10	-0.001	2.30E-03

TCDH034	292	293	5	20	2.00E-03	5.00E-04
TCDH034	293	294	1	-10	-0.001	1.00E-04
TCDH034	294	295	19	-10	-0.001	0.0019
TCDH034	295	296	26	-10	-0.001	0.0026
TCDH034	296	298	24	-10	-0.001	2.40E-03
TCDH034	298	300	20	-10	-0.001	2.00E-03
TCDH034	300	302	27	-10	-0.001	2.70E-03
TCDH034	302	304	26	-10	-0.001	0.0026
TCDH034	304	306	30	-10	-0.001	0.003
TCDH034	306	308	26	-10	-0.001	0.0026
TCDH034	308	310	32	-10	-0.001	3.20E-03
TCDH034	310	312	22	-10	-0.001	0.0022
TCDH034	312	314	41	130	0.013	0.0041
TCDH034	314	316	27	10	0.001	2.70E-03
TCDH034	316	318	28	-10	-0.001	2.80E-03
TCDH034	318	320	26	-10	-0.001	0.0026
TCDH034	320	322	24	-10	-0.001	2.40E-03
TCDH034	322	324	25	10	0.001	2.50E-03
TCDH034	324	326	23	20	2.00E-03	2.30E-03
TCDH034	326	328	22	-10	-0.001	0.0022
TCDH034	328	330	25	-10	-0.001	2.50E-03
TCDH034	330	332	27	-10	-0.001	2.70E-03
TCDH034	332	334	24	-10	-0.001	2.40E-03
TCDH037	0	1	327	1390	0.139	3.27E-02
TCDH037	1	2	362	6250	0.625	3.62E-02
TCDH037	2	3	1190	89000	8.8999996	0.119
TCDH037	3	4	756	36900	3.6900001	7.56E-02
TCDH037	4	5	439	10800	1.08	4.39E-02
TCDH037	5	6	854	28000	2.8	0.0854
TCDH037	6	7	904	26000	2.5999999	9.04E-02
TCDH037	7	8	279	7600	0.75999999	2.79E-02
TCDH037	8	9	217	3920	0.39199999	0.0217
TCDH037	9	10	140	7550	0.755	0.014
TCDH037	10	11	341	30800	3.0799999	0.0341
TCDH037	11	12	748	88100	8.8100004	0.0748
TCDH037	12	13	322	6340	0.634	3.22E-02
TCDH037	13	14	283	3940	0.39399999	0.0283
TCDH037	14	15	235	8070	0.80699998	2.35E-02
TCDH037	15	16	224	30600	3.0599999	2.24E-02
TCDH037	16	17	253	12700	1.27	0.0253
TCDH037	17	18	374	1680	0.168	0.0374
TCDH037	18	19	198	960	9.60E-02	0.0198
TCDH037	19	20	215	1960	0.19599999	2.15E-02
TCDH037	20	21	240	2940	0.294	0.024
TCDH037	21	22	250	840	8.40E-02	0.025
TCDH037	22	23	420	11300	1.13	4.20E-02
TCDH037	23	24	417	9880	0.98799998	4.17E-02
TCDH037	24	25	810	15400	1.54	0.081
TCDH037	25	26	516	7370	0.73699999	5.16E-02
TCDH037	26	27	484	6400	0.63999999	0.0484
TCDH037	27	28	982	44600	4.46	9.82E-02
TCDH037	28	29	317	4850	0.48500001	0.0317
TCDH037	29	30	680	8880	0.88800001	6.80E-02
TCDH037	30	31	285	23100	2.3099999	0.0285
TCDH037	31	32	4870	65800	6.5799999	0.48699999
TCDH037	32	33	478	16200	1.62	4.78E-02
TCDH037	33	34	2160	64800	6.48	0.21600001
TCDH037	34	35	6350	24100	2.4100001	0.63499999
TCDH037	35	36	7950	34900	3.49	0.79500002
TCDH037	36	37	1610	21900	2.1900001	0.161
TCDH037	37	38	14600	93900	9.3900003	1.46
TCDH037	38	39	2520	62500	6.25	0.252
TCDH037	39	40	3390	67500	6.75	0.33899999

TCDH037	40	41	3420	133000	13.3	0.34200001
TCDH037	41	42	1730	62600	6.2600002	0.17299999
TCDH037	42	43	3190	98300	9.8299999	0.31900001
TCDH037	43	44	2330	140000	14	0.233
TCDH037	44	45	5440	145000	14.5	0.54400003
TCDH037	45	46	1870	13400	1.34	0.18700001
TCDH037	46	47	11300	141000	14.1	1.13
TCDH037	47	48	2620	38000	3.8	0.26199999
TCDH037	48	49	5350	36700	3.6700001	0.53500003
TCDH037	49	50	3920	28300	2.8299999	0.39199999
TCDH037	50	51	7430	51800	5.1799998	0.74299997
TCDH037	51	52	9410	25900	2.5899999	0.94099998
TCDH037	52	53	5230	12500	1.25	0.523
TCDH037	53	54	1450	20500	2.05	0.145
TCDH037	54	55	573	4740	0.47400001	5.73E-02
TCDH037	55	56	1580	13100	1.3099999	0.15800001
TCDH037	56	57	484	6780	0.67799997	0.0484
TCDH037	57	58	827	16400	1.64	8.27E-02
TCDH037	58	59	354	2210	0.221	3.54E-02
TCDH037	59	60	450	2480	0.248	4.50E-02
TCDH037	60	61	396	690	6.90E-02	0.0396
TCDH037	61	62	543	1180	0.118	5.43E-02
TCDH037	62	63	341	4110	0.41100001	0.0341
TCDH037	63	64	1630	8960	0.89600003	0.163
TCDH037	64	65	599	13900	1.39	5.99E-02
TCDH037	65	66	279	560	5.60E-02	2.79E-02
TCDH037	66	67	284	290	2.90E-02	0.0284
TCDH037	67	68	375	370	0.037	3.75E-02
TCDH037	68	69	295	210	0.021	0.0295
TCDH037	69	70	262	110	0.011	0.0262
TCDH037	70	71	209	120	0.012	0.0209
TCDH037	71	72	133	70	7.00E-03	0.0133
TCDH037	72	73	115	220	0.022	0.0115
TCDH037	73	75	78	80	8.00E-03	7.80E-03
TCDH037	75	77	92	120	0.012	9.20E-03
TCDH037	77	79	59	10	0.001	5.90E-03
TCDH037	79	81	72	10	0.001	7.20E-03
TCDH037	81	83	88	20	2.00E-03	0.0088
TCDH037	83	85	84	30	0.003	8.40E-03
TCDH037	85	87	85	30	0.003	8.50E-03
TCDH037	87	89	73	10	0.001	7.30E-03
TCDH037	89	91	85	280	2.80E-02	8.50E-03
TCDH037	91	93	140	90	9.00E-03	0.014
TCDH037	93	95	237	50	5.00E-03	2.37E-02
TCDH037	95	97	278	90	9.00E-03	2.78E-02
TCDH037	97	99	151	80	8.00E-03	0.0151
TCDH037	99	101	289	110	0.011	2.89E-02
TCDH037	101	103	109	60	6.00E-03	0.0109
TCDH037	103	105	130	40	4.00E-03	0.013
TCDH037	105	107	95	230	0.023	9.50E-03
TCDH037	107	109	88	90	9.00E-03	0.0088
TCDH037	109	111	66	30	0.003	0.0066
TCDH037	111	113	45	10	0.001	4.50E-03
TCDH037	113	115	55	20	2.00E-03	0.0055
TCDH037	115	117	75	40	4.00E-03	7.50E-03
TCDH037	117	119	72	30	0.003	7.20E-03
TCDH037	119	121	121	60	6.00E-03	0.0121
TCDH037	121	123	188	40	4.00E-03	0.0188
TCDH037	123	125	255	60	6.00E-03	0.0255
TCDH037	125	127	205	50	5.00E-03	2.05E-02
TCDH037	127	129	317	70	7.00E-03	0.0317
TCDH037	129	131	296	60	6.00E-03	0.0296
TCDH037	131	133	232	40	4.00E-03	0.0232

TCDH037	133	135	260	50	5.00E-03	2.60E-02
TCDH037	135	137	268	50	5.00E-03	2.68E-02
TCDH037	137	139	62	10	0.001	6.20E-03
TCDH037	139	141	64	10	0.001	6.40E-03
TCDH037	141	143	39	10	0.001	3.90E-03
TCDH037	143	145	73	20	2.00E-03	7.30E-03
TCDH037	145	147	76	20	2.00E-03	7.60E-03
TCDH037	147	149	55	20	2.00E-03	0.0055
TCDH037	149	151	269	40	4.00E-03	2.69E-02
TCDH037	151	153	61	80	8.00E-03	6.10E-03
TCDH037	153	155	74	20	2.00E-03	0.0074
TCDH037	155	157	81	20	2.00E-03	8.10E-03
TCDH037	157	159	44	30	0.003	0.0044
TCDH037	159	161	84	10	0.001	8.40E-03
TCDH037	161	163	105	-10	-0.001	0.0105
TCDH037	163	165	54	-10	-0.001	5.40E-03
TCDH037	165	167	41	10	0.001	0.0041
TCDH037	167	169	23	20	2.00E-03	2.30E-03
TCDH037	169	171	19	10	0.001	0.0019
TCDH037	171	173	24	20	2.00E-03	2.40E-03
TCDH037	173	175	48	10	0.001	4.80E-03
TCDH037	175	177	16	-10	-0.001	0.0016
TCDH037	177	179	26	20	2.00E-03	0.0026
TCDH037	179	181	74	20	2.00E-03	0.0074
TCDH037	181	183	41	20	2.00E-03	0.0041
TCDH037	183	185	39	40	4.00E-03	3.90E-03
TCDH037	185	187	32	160	1.60E-02	3.20E-03
TCDH037	187	189	24	60	6.00E-03	2.40E-03
TCDH037	189	191	26	100	1.00E-02	0.0026
TCDH037	191	193	17	60	6.00E-03	0.0017
TCDH037	193	195	24	20	2.00E-03	2.40E-03
TCDH037	195	197	13	20	2.00E-03	0.0013
TCDH037	197	199	38	30	0.003	3.80E-03
TCDH037	199	201	45	50	5.00E-03	4.50E-03
TCDH037	201	203	23	60	6.00E-03	2.30E-03
TCDH037	203	205	75	90	9.00E-03	7.50E-03
TCDH037	205	207	79	110	0.011	7.90E-03
TCDH037	207	209	76	110	0.011	7.60E-03
TCDH037	209	211	86	70	7.00E-03	8.60E-03
TCDH037	211	213	121	90	9.00E-03	0.0121
TCDH037	213	215.5	94	100	1.00E-02	9.40E-03
TCDH038	0	1	3510	121000	12.1	0.35100001
TCDH038	1	2	696	62000	6.1999998	6.96E-02
TCDH038	2	3	655	69500	6.9499998	6.55E-02
TCDH038	3	4	369	49900	4.9899998	3.69E-02
TCDH038	4	5	429	45200	4.52	0.0429
TCDH038	5	6	402	26700	2.6700001	4.02E-02
TCDH038	6	7	170	51900	5.1900001	1.70E-02
TCDH038	7	8	211	26100	2.6099999	0.0211
TCDH038	8	9	153	31600	3.1600001	0.0153
TCDH038	9	10	56	9230	0.92299998	5.60E-03
TCDH038	10	11	247	58400	5.8400002	2.47E-02
TCDH038	11	12	383	152000	15.2	0.0383
TCDH038	12	13	329	75000	7.5	3.29E-02
TCDH038	13	14	263	68600	6.8600001	0.0263
TCDH038	14	15	926	26400	2.6400001	9.26E-02
TCDH038	15	16	3420	118000	11.8	0.34200001
TCDH038	16	17	990	51900	5.1900001	9.90E-02
TCDH038	17	18	1450	32800	3.28	0.145
TCDH038	18	19	870	22700	2.27	8.70E-02
TCDH038	19	20	1700	23500	2.3499999	0.17
TCDH038	20	21	862	33600	3.3599999	8.62E-02
TCDH038	21	22	1390	29600	2.96	0.139

TCDH038	22	23	6260	31400	3.1400001	0.62599999
TCDH038	23	24	1230	44500	4.4499998	0.123
TCDH038	24	25	1020	125000	12.5	0.102
TCDH038	25	26	442	20200	2.02	4.42E-02
TCDH038	26	27	323	6120	0.61199999	3.23E-02
TCDH038	27	28	1310	15300	1.53	0.131
TCDH038	28	29	1640	70100	7.0100002	0.164
TCDH038	29	30	643	32100	3.21	6.43E-02
TCDH038	30	31	1010	79800	7.98	0.101
TCDH038	31	32	392	95000	9.5	0.0392
TCDH038	32	33	5410	83300	8.3299999	0.54100001
TCDH038	33	34	4300	45000	4.5	0.43000001
TCDH038	34	35	24400	40700	4.0700002	2.4400001
TCDH038	35	37	975	31900	3.1900001	9.75E-02
TCDH038	37	39	1050	21200	2.1199999	0.105
TCDH038	39	41	483	36100	3.6099999	4.83E-02
TCDH038	41	43	1600	22800	2.28	0.16
TCDH038	43	45	9520	35000	3.5	0.95200002
TCDH038	45	47	4860	32200	3.22	0.486
TCDH038	47	49	4390	29600	2.96	0.43900001
TCDH038	49	51	4750	48100	4.8099999	0.47499999
TCDH038	51	53	962	14100	1.41	9.62E-02
TCDH038	53	54	847	14300	1.4299999	8.47E-02
TCDH038	54	55	1100	33100	3.3099999	0.11
TCDH038	55	56	965	14700	1.47	9.65E-02
TCDH038	56	57	458	18500	1.85	0.0458
TCDH038	57	58	283	19100	1.91	0.0283
TCDH038	58	59	1770	45700	4.5700002	0.177
TCDH038	59	60	1220	32500	3.25	0.122
TCDH038	60	61	1900	26600	2.6600001	0.19
TCDH038	61	62	742	29100	2.9100001	7.42E-02
TCDH038	62	63	1390	33900	3.3900001	0.139
TCDH038	63	64	1290	34200	3.4200001	0.12899999
TCDH038	64	65	2040	32900	3.29	0.204
TCDH038	65	66	1090	10600	1.0599999	0.109
TCDH038	66	67	3370	23500	2.3499999	0.33700001
TCDH038	67	68	247	29900	2.99	2.47E-02
TCDH038	68	69	707	39700	3.97	7.07E-02
TCDH038	69	70	619	29600	2.96	6.19E-02
TCDH038	70	71	1130	28600	2.8599999	0.113
TCDH038	71	72	3520	29600	2.96	0.352
TCDH038	72	73	4710	22000	2.2	0.47099999
TCDH038	73	74	941	14800	1.48	9.41E-02
TCDH038	74	75	514	2110	0.211	5.14E-02
TCDH038	75	76	895	2100	0.20999999	8.95E-02
TCDH038	76	77	1120	10300	1.03	0.112
TCDH038	77	78	1470	10700	1.0700001	0.147
TCDH038	78	79	385	7400	0.74000001	0.0385
TCDH038	79	80	291	4290	0.42899999	2.91E-02
TCDH038	80	81	501	13700	1.37	5.01E-02
TCDH038	81	82	236	5430	0.54299998	2.36E-02
TCDH038	82	83	1470	16700	1.67	0.147
TCDH038	83	84	2050	17000	1.7	0.205
TCDH038	84	85	297	8100	0.81	0.0297
TCDH038	85	87	347	9890	0.98900002	3.47E-02
TCDH038	87	88	462	15600	1.5599999	0.0462
TCDH038	90	92	1410	32500	3.25	0.141
TCDH038	93	95	169	38700	3.8699999	1.69E-02
TCDH038	95	97	281	14700	1.47	2.81E-02
TCDH038	97	99	441	30100	3.01	4.41E-02
TCDH038	99	101	-10	6220	0.62199998	-0.001
TCDH038	101	103	-10	1060	0.106	-0.001
TCDH038	103	105	-10	860	8.60E-02	-0.001

TCDH038	105	107	-10	810	0.081	-0.001
TCDH038	107	109	10	1620	0.162	0.001
TCDH038	109	110	20	1820	0.182	2.00E-03
TCDH038	110	111	-10	1210	0.121	-0.001
TCDH038	111	112	10	2180	0.21799999	0.001
TCDH038	112	113	10	1480	0.148	0.001
TCDH038	113	114	-10	4910	0.491	-0.001
TCDH038	114	115	9	5510	0.551	9.00E-04
TCDH038	115	116	10	3670	0.36700001	0.001
TCDH038	116	117	9	1900	0.19	9.00E-04
TCDH038	117	118	-10	1030	0.103	-0.001
TCDH038	118	119	20	1980	0.198	2.00E-03
TCDH038	119	120	10	1090	0.109	0.001
TCDH038	120	121	20	1100	0.11	2.00E-03
TCDH038	121	122	-10	6420	0.64200002	-0.001
TCDH038	122	123	10	5990	0.59899998	0.001
TCDH038	123	124	30	4540	0.454	0.003
TCDH038	124	125	-10	1950	0.19499999	-0.001
TCDH038	125	126	10	1350	0.13500001	0.001
TCDH038	126	127	-10	1600	0.16	-0.001
TCDH038	127	128	-10	7060	0.70599997	-0.001
TCDH038	128	129	20	5800	0.57999998	2.00E-03
TCDH038	129	130	-10	1840	0.184	-0.001
TCDH038	130	131	-10	1550	0.155	-0.001
TCDH038	131	132	9	1440	0.14399999	9.00E-04
TCDH038	132	133	-10	770	0.077	-0.001
TCDH038	133	134	-10	810	0.081	-0.001
TCDH038	134	135	10	3020	0.30199999	0.001
TCDH038	135	136	40	3930	0.39300001	4.00E-03
TCDH038	136	137	10	1260	0.126	0.001
TCDH038	137	138	20	6390	0.639	2.00E-03
TCDH038	138	139	40	11100	1.11	4.00E-03
TCDH038	139	140	10	830	8.30E-02	0.001
TCDH038	140	141	50	1720	0.17200001	5.00E-03
TCDH038	141	142	180	4740	0.47400001	1.80E-02
TCDH038	142	143	70	3080	0.308	7.00E-03
TCDH038	143	144	90	8950	0.89499998	9.00E-03
TCDH038	144	145	60	7040	0.704	6.00E-03
TCDH038	145	146	10	1530	0.153	0.001
TCDH038	146	147	50	3490	0.34900001	5.00E-03
TCDH038	147	148	20	1070	0.107	2.00E-03
TCDH038	148	149	90	14200	1.42	9.00E-03
TCDH038	149	150	30	6510	0.65100002	0.003
TCDH038	150	151	-10	480	0.048	-0.001
TCDH038	151	152	50	1820	0.182	5.00E-03
TCDH038	152	153	20	1300	0.13	2.00E-03
TCDH038	153	154	40	1430	0.14300001	4.00E-03
TCDH038	154	155	70	1240	0.124	7.00E-03
TCDH038	155	156	30	1190	0.119	0.003
TCDH038	156	157	60	2520	0.252	6.00E-03
TCDH038	157	158	20	1640	0.164	2.00E-03
TCDH038	158	159	20	1390	0.139	2.00E-03
TCDH038	159	160	10	1450	0.145	0.001
TCDH038	160	161	-10	1920	0.192	-0.001
TCDH038	161	162	-10	850	8.50E-02	-0.001
TCDH038	162	163	-10	200	0.02	-0.001
TCDH038	163	164	-10	200	0.02	-0.001
TCDH038	164	165	10	1790	0.17900001	0.001
TCDH038	165	166	-10	900	9.00E-02	-0.001
TCDH038	166	167	-10	170	1.70E-02	-0.001
TCDH038	167	168	-10	200	0.02	-0.001
TCDH038	168	169	10	1130	0.113	0.001
TCDH038	169	170	10	520	5.20E-02	0.001

TCDH038	170	171	20	1090	0.109	2.00E-03
TCDH038	171	172	10	1720	0.17200001	0.001
TCDH038	172	173	10	4280	0.428	0.001
TCDH038	173	174	-10	6990	0.699	-0.001
TCDH038	174	175	-10	3030	0.303	-0.001
TCDH038	175	176	10	2510	0.25099999	0.001
TCDH038	176	177	10	1820	0.182	0.001
TCDH038	177	178	-10	510	5.10E-02	-0.001
TCDH038	178	179	-10	510	5.10E-02	-0.001
TCDH038	179	180	-10	1110	0.111	-0.001
TCDH038	180	181	-10	1030	0.103	-0.001
TCDH038	181	182	10	2000	0.2	0.001
TCDH038	182	183	20	3030	0.303	2.00E-03
TCDH038	183	184	20	2100	0.20999999	2.00E-03
TCDH038	184	185	-10	3950	0.39500001	-0.001
TCDH038	185	186	-10	3680	0.368	-0.001
TCDH038	186	187	10	2790	0.27900001	0.001
TCDH038	187	188	10	890	8.90E-02	0.001
TCDH038	188	189	10	1500	0.15000001	0.001
TCDH038	189	190	10	1260	0.126	0.001
TCDH038	190	191	20	1630	0.163	2.00E-03
TCDH038	191	192	50	2460	0.24600001	5.00E-03
TCDH038	192	193	9	1040	0.104	9.00E-04
TCDH038	193	194	-10	1440	0.14399999	-0.001
TCDH038	194	195	10	2220	0.222	0.001
TCDH038	195	196	50	2790	0.27900001	5.00E-03
TCDH038	196	197	20	1140	0.114	2.00E-03
TCDH038	197	198	140	11700	1.17	0.014
TCDH038	198	199	200	9630	0.963	0.02
TCDH038	199	200	30	6930	0.69300002	0.003
TCDH038	200	201	30	6640	0.66399997	0.003
TCDH038	201	202	60	6780	0.67799997	6.00E-03
TCDH038	202	203	180	14200	1.42	1.80E-02
TCDH038	203	204	10	11300	1.13	0.001
TCDH038	204	205	-10	7470	0.74699998	-0.001
TCDH038	206	207	70	4590	0.45899999	7.00E-03
TCDH038	207	208	260	8610	0.861	2.60E-02
TCDH038	208	209	1440	8090	0.80900002	0.14399999
TCDH038	209	210	1630	1470	0.147	0.163
TCDH038	210	211	530	330	0.033	5.30E-02
TCDH038	211	212	630	400	4.00E-02	6.30E-02
TCDH038	212	213	300	160	1.60E-02	3.00E-02
TCDH038	213	214	200	200	0.02	0.02
TCDH038	214	215	260	270	2.70E-02	2.60E-02
TCDH038	215	216	280	190	1.90E-02	2.80E-02
TCDH038	216	217	160	10	0.001	1.60E-02
TCDH038	217	218	120	-10	-0.001	0.012
TCDH038	218	219	60	-10	-0.001	6.00E-03
TCDH038	219	220	30	-10	-0.001	0.003
TCDH038	220	221	10	-10	-0.001	0.001
TCDH038	221	222	-10	-10	-0.001	-0.001
TCDH038	222	224	10	-10	-0.001	0.001
TCDH038	224	226	-10	-10	-0.001	-0.001
TCDH038	226	228	-10	-10	-0.001	-0.001
TCDH038	228	230	10	-10	-0.001	0.001
TCDH038	230	232	20	40	4.00E-03	2.00E-03
TCDH038	232	234	10	40	4.00E-03	0.001
TCDH038	234	236	10	40	4.00E-03	0.001
TCDH038	236	238	30	60	6.00E-03	0.003
TCDH038	238	240	20	20	2.00E-03	2.00E-03
TCDH038	240	242	10	-10	-0.001	0.001
TCDH038	242	244	-10	-10	-0.001	-0.001
TCDH038	244	246	-10	-10	-0.001	-0.001

TCDH038	246	248	-10	-10	-0.001	-0.001
TCDH038	248	250	-10	-10	-0.001	-0.001
TCDH038	250	252	-10	-10	-0.001	-0.001
TCDH038	252	254	-10	20	2.00E-03	-0.001
TCDH038	254	256	-10	30	0.003	-0.001
TCDH038	256	258	-10	-10	-0.001	-0.001
TCDH038	258	260	10	-10	-0.001	0.001
TCDH038	260	262	-10	-10	-0.001	-0.001
TCDH038	262	264	-10	-10	-0.001	-0.001
TCDH038	264	266	-10	-10	-0.001	-0.001
TCDH038	266	268	-10	-10	-0.001	-0.001
TCDH038	268	270	-10	-10	-0.001	-0.001
TCDH038	270	272	-10	-10	-0.001	-0.001
TCDH038	272	274	-10	-10	-0.001	-0.001
TCDH038	274	276	-10	-10	-0.001	-0.001
TCDH038	276	278	-10	-10	-0.001	-0.001
TCDH038	278	280	-10	-10	-0.001	-0.001
TCDH038	280	282	-10	-10	-0.001	-0.001
TCDH038	282	284	-10	-10	-0.001	-0.001
TCDH038	284	286	-10	-10	-0.001	-0.001
TCDH038	286	287.5	-10	10	0.001	-0.001
TCDH039	0	2	30	30	0.003	0.003
TCDH039	2	5	50	50	5.00E-03	5.00E-03
TCDH039	6	8	10	20	2.00E-03	0.001
TCDH039	8	10	-10	10	0.001	-0.001
TCDH039	10	12	10	-10	-0.001	0.001
TCDH039	12	14	-10	-10	-0.001	-0.001
TCDH039	14	16	-10	-10	-0.001	-0.001
TCDH039	16	18	10	30	0.003	0.001
TCDH039	18	20	30	80	8.00E-03	0.003
TCDH039	20	22	30	80	8.00E-03	0.003
TCDH039	22	24	-10	20	2.00E-03	-0.001
TCDH039	24	26	30	10	0.001	0.003
TCDH039	26	28	10	-10	-0.001	0.001
TCDH039	28	30	30	-10	-0.001	0.003
TCDH039	30	32	100	-10	-0.001	1.00E-02
TCDH039	32	34	170	10	0.001	1.70E-02
TCDH039	34	36	70	10	0.001	7.00E-03
TCDH039	36	38	130	-10	-0.001	0.013
TCDH039	38	40	60	9	9.00E-04	6.00E-03
TCDH039	40	42	40	-10	-0.001	4.00E-03
TCDH039	42	44	30	-10	-0.001	0.003
TCDH039	44	46	30	9	9.00E-04	0.003
TCDH039	46	48	110	-10	-0.001	0.011
TCDH039	48	50	90	-10	-0.001	9.00E-03
TCDH039	50	52	20	-10	-0.001	2.00E-03
TCDH039	52	54	40	-10	-0.001	4.00E-03
TCDH039	54	56	20	-10	-0.001	2.00E-03
TCDH039	56	58	20	-10	-0.001	2.00E-03
TCDH039	58	60	-10	-10	-0.001	-0.001
TCDH039	60	62	10	-10	-0.001	0.001
TCDH039	62	64	-10	-10	-0.001	-0.001
TCDH039	64	66	-10	-10	-0.001	-0.001
TCDH039	66	68	-10	-10	-0.001	-0.001
TCDH039	68	70	-10	-10	-0.001	-0.001
TCDH039	70	72	10	-10	-0.001	0.001
TCDH039	72	74	-10	-10	-0.001	-0.001
TCDH039	74	76	-10	-10	-0.001	-0.001
TCDH039	76	78	-10	-10	-0.001	-0.001
TCDH039	78	80	-10	-10	-0.001	-0.001
TCDH039	80	82	-10	-10	-0.001	-0.001
TCDH039	82	84	-10	-10	-0.001	-0.001
TCDH039	84	86	-10	-10	-0.001	-0.001

TCDH039	86	88	-10	-10	-0.001	-0.001
TCDH039	88	90	-10	-10	-0.001	-0.001
TCDH039	90	92	-10	-10	-0.001	-0.001
TCDH039	92	94	9	-10	-0.001	9.00E-04
TCDH039	94	96	-10	20	2.00E-03	-0.001
TCDH039	96	98	-10	30	0.003	-0.001
TCDH039	98	100	-10	40	4.00E-03	-0.001
TCDH039	100	102	10	50	5.00E-03	0.001
TCDH039	102	104	30	70	7.00E-03	0.003
TCDH039	104	106	40	40	4.00E-03	4.00E-03
TCDH039	106	108	9	30	0.003	9.00E-04
TCDH039	108	110	10	-10	-0.001	0.001
TCDH039	110	112	10	-10	-0.001	0.001
TCDH039	112	114	20	-10	-0.001	2.00E-03
TCDH039	114	116	30	-10	-0.001	0.003
TCDH039	116	118	140	30	0.003	0.014
TCDH039	118	120	150	40	4.00E-03	0.015
TCDH039	120	121	190	30	0.003	1.90E-02
TCDH039	121	122	140	60	6.00E-03	0.014
TCDH039	122	123	50	600	6.00E-02	5.00E-03
TCDH039	123	124	70	2000	0.2	7.00E-03
TCDH039	124	125	80	3430	0.34299999	8.00E-03
TCDH039	125	126	70	1410	0.141	7.00E-03
TCDH039	126	127	60	640	6.40E-02	6.00E-03
TCDH039	127	128	70	640	6.40E-02	7.00E-03
TCDH039	128	129	60	770	0.077	6.00E-03
TCDH039	129	130	80	1020	0.102	8.00E-03
TCDH039	130	131	60	660	0.066	6.00E-03
TCDH039	131	132	40	270	2.70E-02	4.00E-03
TCDH039	132	133	50	520	5.20E-02	5.00E-03
TCDH039	133	134	60	420	4.20E-02	6.00E-03
TCDH039	134	135	40	500	5.00E-02	4.00E-03
TCDH039	135	136	20	300	3.00E-02	2.00E-03
TCDH039	136	137	30	730	7.30E-02	0.003
TCDH039	137	138	40	1300	0.13	4.00E-03
TCDH039	139	140	40	980	9.80E-02	4.00E-03
TCDH039	140	141	30	1080	0.108	0.003
TCDH039	141	142	30	1530	0.153	0.003
TCDH039	142	143	20	1290	0.12899999	2.00E-03
TCDH039	143	144	20	680	6.80E-02	2.00E-03
TCDH039	144	145	20	1820	0.182	2.00E-03
TCDH039	145	146	30	1070	0.107	0.003
TCDH039	146	147	20	1700	0.17	2.00E-03
TCDH039	147	148	10	980	9.80E-02	0.001
TCDH039	148	149	50	2230	0.223	5.00E-03
TCDH039	149	150	30	2620	0.26199999	0.003
TCDH039	150	151	30	2770	0.27700001	0.003
TCDH039	151	152	150	20400	2.04	0.015
TCDH039	154	155	40	8090	0.80900002	4.00E-03
TCDH039	155	156	-10	270	2.70E-02	-0.001
TCDH039	156	157	10	680	6.80E-02	0.001
TCDH039	157	158	20	740	7.40E-02	2.00E-03
TCDH039	158	159	10	1070	0.107	0.001
TCDH039	159	160	20	920	0.092	2.00E-03
TCDH039	160	161	10	940	9.40E-02	0.001
TCDH039	161	162	10	770	0.077	0.001
TCDH039	162	163	30	2080	0.208	0.003
TCDH039	163	164	20	2300	0.23	2.00E-03
TCDH039	164	165	40	4150	0.41499999	4.00E-03
TCDH039	165	166	-10	2900	0.28999999	-0.001
TCDH039	166	167	30	3800	0.38	0.003
TCDH039	167	168	-10	1550	0.155	-0.001
TCDH039	168	169	-10	5680	0.56800002	-0.001

TCDH039	169	170	-10	1480	0.148	-0.001
TCDH039	170	171	9	1240	0.124	9.00E-04
TCDH039	171	172	10	850	8.50E-02	0.001
TCDH039	172	173	10	790	7.90E-02	0.001
TCDH039	173	174	9	750	7.50E-02	9.00E-04
TCDH039	174	175	10	610	6.10E-02	0.001
TCDH039	175	176	-10	480	0.048	-0.001
TCDH039	176	177	9	1040	0.104	9.00E-04
TCDH039	177	178	20	960	9.60E-02	2.00E-03
TCDH039	178	179	20	960	9.60E-02	2.00E-03
TCDH039	179	180	-10	200	0.02	-0.001
TCDH039	180	181	-10	790	7.90E-02	-0.001
TCDH039	181	182	10	950	9.50E-02	0.001
TCDH039	182	183	-10	820	8.20E-02	-0.001
TCDH039	183	184	-10	320	3.20E-02	-0.001
TCDH039	184	185	-10	620	6.20E-02	-0.001
TCDH039	185	186	9	510	5.10E-02	9.00E-04
TCDH039	186	187	10	260	2.60E-02	0.001
TCDH039	187	188	30	670	6.70E-02	0.003
TCDH039	188	189	30	770	0.077	0.003
TCDH039	189	190	10	340	3.40E-02	0.001
TCDH039	190	191	10	200	0.02	0.001
TCDH039	191	192	40	520	5.20E-02	4.00E-03
TCDH039	192	193	20	960	9.60E-02	2.00E-03
TCDH039	193	194	20	130	0.013	2.00E-03
TCDH039	194	195	20	360	3.60E-02	2.00E-03
TCDH039	195	196	-10	1070	0.107	-0.001
TCDH039	196	197	30	3700	0.37	0.003
TCDH039	197	198	40	2960	0.296	4.00E-03
TCDH039	198	199	10	620	6.20E-02	0.001
TCDH039	199	200	20	660	0.066	2.00E-03
TCDH039	200	201	-10	510	5.10E-02	-0.001
TCDH039	201	202	10	230	0.023	0.001
TCDH039	202	203	10	680	6.80E-02	0.001
TCDH039	203	204	10	3570	0.35699999	0.001
TCDH039	204	205	9	350	0.035	9.00E-04
TCDH039	205	206	-10	500	5.00E-02	-0.001
TCDH039	206	207	-10	300	3.00E-02	-0.001
TCDH039	207	208	20	770	0.077	2.00E-03
TCDH039	208	209	10	150	0.015	0.001
TCDH039	209	210	-10	250	0.025	-0.001
TCDH039	210	211	10	300	3.00E-02	0.001
TCDH039	211	212	9	5470	0.54699999	9.00E-04
TCDH039	212	213	-10	160	1.60E-02	-0.001
TCDH039	213	214	10	410	4.10E-02	0.001
TCDH039	214	215	10	700	0.07	0.001
TCDH039	215	216	-10	290	2.90E-02	-0.001
TCDH039	216	217	10	1080	0.108	0.001
TCDH039	217	218	10	430	4.30E-02	0.001
TCDH039	218	219	9	760	7.60E-02	9.00E-04
TCDH039	219	220	10	1480	0.148	0.001
TCDH039	220	221	10	440	0.044	0.001
TCDH039	221	222	20	210	0.021	2.00E-03
TCDH039	222	223	10	200	0.02	0.001
TCDH039	223	224	10	720	7.20E-02	0.001
TCDH039	224	225	20	1630	0.163	2.00E-03
TCDH039	225	226	-10	280	2.80E-02	-0.001
TCDH039	226	227	-10	390	3.90E-02	-0.001
TCDH039	227	228	-10	140	0.014	-0.001
TCDH039	228	229	-10	130	0.013	-0.001
TCDH039	229	230	20	630	6.30E-02	2.00E-03
TCDH039	230	231	10	1140	0.114	0.001
TCDH039	231	232	9	350	0.035	9.00E-04

TCDH039	232	233	-10	330	0.033	-0.001
TCDH039	233	234	10	610	6.10E-02	0.001
TCDH039	234	235	10	710	7.10E-02	0.001
TCDH039	235	236	10	590	0.059	0.001
TCDH039	236	237	10	590	0.059	0.001
TCDH039	237	238	20	1600	0.16	2.00E-03
TCDH039	238	239	10	3580	0.35800001	0.001
TCDH039	239	240	10	820	8.20E-02	0.001
TCDH039	240	241	20	630	6.30E-02	2.00E-03
TCDH039	241	242	10	470	4.70E-02	0.001
TCDH039	242	243	10	810	0.081	0.001
TCDH039	243	244	9	680	6.80E-02	9.00E-04
TCDH039	244	245	-10	780	7.80E-02	-0.001
TCDH039	245	246	10	2030	0.20299999	0.001
TCDH039	246	247	20	240	0.024	2.00E-03
TCDH039	247	248	20	200	0.02	2.00E-03
TCDH039	248	249	-10	70	7.00E-03	-0.001
TCDH039	249	250	-10	170	1.70E-02	-0.001
TCDH039	250	251	10	270	2.70E-02	0.001
TCDH039	251	252	10	90	9.00E-03	0.001
TCDH039	252	253	30	390	3.90E-02	0.003
TCDH039	253	254	60	850	8.50E-02	6.00E-03
TCDH039	254	256	30	20	2.00E-03	0.003
TCDH039	256	258	20	20	2.00E-03	2.00E-03
TCDH039	258	260	40	30	0.003	4.00E-03
TCDH039	260	262	40	110	0.011	4.00E-03
TCDH039	262	264	50	640	6.40E-02	5.00E-03
TCDH039	264	266	20	770	0.077	2.00E-03
TCDH039	266	268	20	920	0.092	2.00E-03
TCDH039	268	270	-10	90	9.00E-03	-0.001
TCDH039	270	272	-10	30	0.003	-0.001
TCDH039	272	274	20	50	5.00E-03	2.00E-03
TCDH039	274	276	10	60	6.00E-03	0.001
TCDH039	276	278	-10	40	4.00E-03	-0.001
TCDH039	278	280	10	30	0.003	0.001
TCDH039	280	282	-10	30	0.003	-0.001
TCDH039	282	284	20	30	0.003	2.00E-03
TCDH039	284	286	-10	30	0.003	-0.001
TCDH039	286	288	-10	30	0.003	-0.001
TCDH039	288	290	-10	40	4.00E-03	-0.001
TCDH039	290	292	-10	50	5.00E-03	-0.001
TCDH039	292	294	-10	100	1.00E-02	-0.001
TCDH039	294	296	10	20	2.00E-03	0.001
TCDH039	296	298	-10	40	4.00E-03	-0.001
TCDH039	298	300	20	100	1.00E-02	2.00E-03
TCDH039	300	302	20	190	1.90E-02	2.00E-03
TCDH039	302	304	-10	60	6.00E-03	-0.001
TCDH040	0	2	40	3490	0.34900001	4.00E-03
TCDH040	2	4	90	2020	0.20200001	9.00E-03
TCDH040	4	6	1540	4910	0.491	0.154
TCDH040	6	8	1030	7390	0.73900002	0.103
TCDH040	8	10	250	5680	0.56800002	0.025
TCDH040	10	12	260	1460	0.146	2.60E-02
TCDH040	13	15	160	2610	0.26100001	1.60E-02
TCDH040	15	17	290	3310	0.331	2.90E-02
TCDH040	17	19	100	780	7.80E-02	1.00E-02
TCDH040	19	21	130	1160	0.116	0.013
TCDH040	21	23				
TCDH040	23	26	430	12400	1.24	4.30E-02
TCDH040	26	28	130	1420	0.142	0.013
TCDH040	28	30	40	1940	0.19400001	4.00E-03
TCDH040	30	32	110	3940	0.39399999	0.011
TCDH040	32	34	20	1970	0.197	2.00E-03

TCDH040	34	36	-10	1800	0.18000001	-0.001
TCDH040	36	37	20	1620	0.162	2.00E-03
TCDH040	37	38	20	1010	0.101	2.00E-03
TCDH040	38	39	180	96500	9.6499996	1.80E-02
TCDH040	39	40	100	6780	0.67799997	1.00E-02
TCDH040	40	41	50	9030	0.903	5.00E-03
TCDH040	41	43	40	650	6.50E-02	4.00E-03
TCDH040	43	45	60	610	6.10E-02	6.00E-03
TCDH040	45	47	50	730	7.30E-02	5.00E-03
TCDH040	47	49	50	760	7.60E-02	5.00E-03
TCDH040	49	52	20	530	5.30E-02	2.00E-03
TCDH040	52	54	20	530	5.30E-02	2.00E-03
TCDH040	54	56	80	900	9.00E-02	8.00E-03
TCDH040	56	58	500	990	9.90E-02	5.00E-02
TCDH040	58	60	100	670	6.70E-02	1.00E-02
TCDH040	60	61	40	580	5.80E-02	4.00E-03
TCDH040	61	62	30	560	5.60E-02	0.003
TCDH040	62	63	30	530	5.30E-02	0.003
TCDH040	63	64	40	540	5.40E-02	4.00E-03
TCDH040	64	65	30	590	0.059	0.003
TCDH040	65	66	20	570	0.057	2.00E-03
TCDH040	66	67	70	58100	5.8099999	7.00E-03
TCDH040	67	68	30	11300	1.13	0.003
TCDH040	68	69	30	54300	5.4299998	0.003
TCDH040	69	70	50	87400	8.7399998	5.00E-03
TCDH040	70	71	70	191000	19.1	7.00E-03
TCDH040	71	72	60	72500	7.25	6.00E-03
TCDH040	72	73	50	11800	1.1799999	5.00E-03
TCDH040	73	74	90	160000	16	9.00E-03
TCDH040	74	75	50	110000	11	5.00E-03
TCDH040	75	76	60	94000	9.3999996	6.00E-03
TCDH040	76	77	140	112000	11.2	0.014
TCDH040	77	78	750	205000	20.5	7.50E-02
TCDH040	78	79	360	168000	16.799999	3.60E-02
TCDH040	79	80	50	20600	2.0599999	5.00E-03
TCDH040	80	81	260	22000	2.2	2.60E-02
TCDH040	81	82	290	19000	1.9	2.90E-02
TCDH040	82	83	210	23200	2.3199999	0.021
TCDH040	83	84	630	26900	2.6900001	6.30E-02
TCDH040	84	85	1450	32400	3.24	0.145
TCDH040	85	86	200	13000	1.3	0.02
TCDH040	86	87	30	28900	2.8900001	0.003
TCDH040	87	88	300	170000	17	3.00E-02
TCDH040	88	89	260	167000	16.700001	2.60E-02
TCDH040	89	90	170	235000	23.5	1.70E-02
TCDH040	90	91	180	205000	20.5	1.80E-02
TCDH040	91	92	80	90000	9	8.00E-03
TCDH040	92	93	140	154000	15.4	0.014
TCDH040	93	94	190	293000	29.299999	1.90E-02
TCDH040	94	95	390	341000	34.099998	3.90E-02
TCDH040	100	101	2460	104000	10.4	0.24600001
TCDH040	101	102	400	45100	4.5100002	4.00E-02
TCDH040	103	104	400	104000	10.4	4.00E-02
TCDH040	104	105	70	59800	5.98	7.00E-03
TCDH040	105	106	70	21900	2.1900001	7.00E-03
TCDH040	106	107	140	36200	3.6199999	0.014
TCDH040	107	108	840	160000	16	8.40E-02
TCDH040	108	109	3680	56900	5.6900001	0.368
TCDH040	109	110	870	188000	18.799999	8.70E-02
TCDH040	114	115	2570	140000	14	0.257
TCDH040	115	116	840	182000	18.200001	8.40E-02
TCDH040	116	117	770	101000	10.1	0.077
TCDH040	121	122	1440	158000	15.8	0.14399999

TCDH040	122	123	1050	195000	19.5	0.105
TCDH040	124	125	710	176000	17.6	7.10E-02
TCDH040	125	126	600	175000	17.5	6.00E-02
TCDH040	127	128	990	263000	26.299999	9.90E-02
TCDH040	128	129	400	275000	27.5	4.00E-02
TCDH040	130	131	810	107000	10.7	0.081
TCDH040	131	132	1720	42000	4.1999998	0.17200001
TCDH040	132	133	2080	37300	3.73	0.208
TCDH040	133	134	1790	66100	6.6100001	0.17900001
TCDH040	134	135	3220	36500	3.6500001	0.322
TCDH040	135	136	2410	21400	2.1400001	0.241
TCDH040	136	137	1070	6440	0.64399999	0.107
TCDH040	137	138	570	8950	0.89499998	0.057
TCDH040	138	139	1570	27500	2.75	0.15700001
TCDH040	139	140	530	45100	4.5100002	5.30E-02
TCDH040	142	143	150	63200	6.3200002	0.015
TCDH040	143	144	660	9000	0.89999998	0.066
TCDH040	145	146	460	6710	0.671	0.046
TCDH040	146	148	320	7340	0.73400003	3.20E-02
TCDH040	148	150	200	9990	0.99900001	0.02
TCDH040	150	152	540	5010	0.50099999	5.40E-02
TCDH040	152	154	270	4870	0.48699999	2.70E-02
TCDH040	154	156	190	14300	1.4299999	1.90E-02
TCDH040	156	158	550	5930	0.59299999	0.055
TCDH040	158	160	670	1160	0.116	6.70E-02
TCDH040	160	161	880	1450	0.145	0.088
TCDH040	161	162	700	6370	0.63700002	0.07
TCDH040	162	163	230	7810	0.78100002	0.023
TCDH040	163	164	490	14700	1.47	4.90E-02
TCDH040	164	165	690	17200	1.72	6.90E-02
TCDH040	165	166	300	10600	1.0599999	3.00E-02
TCDH040	166	167	580	9070	0.90700001	5.80E-02
TCDH040	167	168	160	4780	0.47799999	1.60E-02
TCDH040	168	169	140	5340	0.53399998	0.014
TCDH040	169	170	140	6410	0.64099997	0.014
TCDH040	170	171	170	8280	0.82800001	1.70E-02
TCDH040	171	172	140	9660	0.96600002	0.014
TCDH040	172	173	160	4170	0.417	1.60E-02
TCDH040	173	174	350	4230	0.42300001	0.035
TCDH040	174	175	440	1770	0.177	0.044
TCDH040	175	176	470	4230	0.42300001	4.70E-02
TCDH040	176	177	860	1610	0.161	8.60E-02
TCDH040	177	178	310	1700	0.17	3.10E-02
TCDH040	178	179	330	1180	0.118	0.033
TCDH040	179	180	290	2160	0.21600001	2.90E-02
TCDH040	180	181	240	1690	0.169	0.024
TCDH040	181	182	220	1100	0.11	0.022
TCDH040	182	183	340	1170	0.117	3.40E-02
TCDH040	183	184	270	2120	0.212	2.70E-02
TCDH040	184	185	260	1740	0.17399999	2.60E-02
TCDH040	185	186	380	13800	1.38	3.80E-02
TCDH040	186	187	910	6430	0.64300001	9.10E-02
TCDH040	188	189	450	8840	0.884	4.50E-02
TCDH040	189	190	390	6430	0.64300001	3.90E-02
TCDH040	190	191	430	7690	0.76899999	4.30E-02
TCDH040	191	192	280	20800	2.0799999	2.80E-02
TCDH040	192	193	550	10800	1.08	0.055
TCDH040	193	194	80	15300	1.53	8.00E-03
TCDH040	194	195	60	4100	0.41	6.00E-03
TCDH040	195	196	130	3800	0.38	0.013
TCDH040	196	197	98	3160	0.31600001	9.80E-03
TCDH040	197	198	30	3970	0.39700001	0.003
TCDH040	198	199	20	2030	0.20299999	2.00E-03

TCDH040	199	200	30	3600	0.36000001	0.003
TCDH040	203	204	30	2950	0.29499999	0.003
TCDH040	204	205	30	4050	0.405	0.003
TCDH040	205	206	20	2780	0.278	2.00E-03
TCDH040	206	207	30	2980	0.29800001	0.003
TCDH040	207	208	20	740	7.40E-02	2.00E-03
TCDH040	208	209	40	3000	0.30000001	4.00E-03
TCDH040	209	210	30	1370	0.13699999	0.003
TCDH040	210	211	20	620	6.20E-02	2.00E-03
TCDH040	211	212	30	2370	0.237	0.003
TCDH040	212	213	30	860	8.60E-02	0.003
TCDH040	213	214	30	2250	0.22499999	0.003
TCDH040	214	215	40	1290	0.12899999	4.00E-03
TCDH040	215	216	30	1250	0.125	0.003
TCDH040	216	217	30	1040	0.104	0.003
TCDH040	217	218	30	3450	0.345	0.003
TCDH040	218	219	20	1460	0.146	2.00E-03
TCDH040	219	220	-10	1150	0.115	-0.001
TCDH040	220	221	20	750	7.50E-02	2.00E-03
TCDH040	221	222	-10	5790	0.579	-0.001
TCDH040	222	223	-10	2400	0.23999999	-0.001
TCDH040	223	224	10	3900	0.38999999	0.001
TCDH040	224	225	-10	3120	0.31200001	-0.001
TCDH040	225	226	10	4860	0.486	0.001
TCDH040	226	227	10	4530	0.45300001	0.001
TCDH040	227	228	20	3130	0.31299999	2.00E-03
TCDH040	228	229	20	2520	0.252	2.00E-03
TCDH040	229	230	10	2800	0.28	0.001
TCDH040	230	231	20	4730	0.47299999	2.00E-03
TCDH040	231	232	10	2300	0.23	0.001
TCDH040	232	233	10	1060	0.106	0.001
TCDH040	233	234	20	1750	0.175	2.00E-03
TCDH040	234	235	20	500	5.00E-02	2.00E-03
TCDH040	235	236	20	630	6.30E-02	2.00E-03
TCDH040	236	237	200	1310	0.131	0.02
TCDH040	237	238	-10	40	4.00E-03	-0.001
TCDH040	238	239	50	1160	0.116	5.00E-03
TCDH040	239	240	30	400	4.00E-02	0.003
TCDH040	240	241	-10	99	9.90E-03	-0.001
TCDH040	241	242	10	3380	0.338	0.001
TCDH040	242	243	-10	5710	0.57099998	-0.001
TCDH040	243	244	9	840	8.40E-02	9.00E-04
TCDH040	244	245	30	750	7.50E-02	0.003
TCDH040	245	246	20	770	0.077	2.00E-03
TCDH040	246	247	20	4400	0.44	2.00E-03
TCDH040	247	248	20	5980	0.59799999	2.00E-03
TCDH040	248	249	20	3640	0.36399999	2.00E-03
TCDH040	249	250	-10	3880	0.38800001	-0.001
TCDH040	250	251	-10	4510	0.45100001	-0.001
TCDH040	251	252	10	7090	0.70899999	0.001
TCDH040	252	253	-10	10300	1.03	-0.001
TCDH040	253	254	-10	4930	0.493	-0.001
TCDH040	254	255	10	5350	0.53500003	0.001
TCDH040	255	256	9	5940	0.59399998	9.00E-04
TCDH040	256	257	-10	4460	0.44600001	-0.001
TCDH040	257	258	10	1390	0.139	0.001
TCDH040	258	259	10	230	0.023	0.001
TCDH040	259	260	20	470	4.70E-02	2.00E-03
TCDH040	260	261	10	150	0.015	0.001
TCDH040	261	262	10	400	4.00E-02	0.001
TCDH042	0	2	20	20	2.00E-03	2.00E-03
TCDH042	2	4	20	-10	-0.001	2.00E-03
TCDH042	4	6	-10	20	2.00E-03	-0.001

TCDH042	6	8	-10	80	8.00E-03	-0.001
TCDH042	8	10	-10	20	2.00E-03	-0.001
TCDH042	10	12	-10	-10	-0.001	-0.001
TCDH042	12	14	-10	-10	-0.001	-0.001
TCDH042	14	16	-10	-10	-0.001	-0.001
TCDH042	16	18	-10	10	0.001	-0.001
TCDH042	18	20	-10	-10	-0.001	-0.001
TCDH042	20	22	-10	-10	-0.001	-0.001
TCDH042	22	24	-10	-10	-0.001	-0.001
TCDH042	24	26	-10	-10	-0.001	-0.001
TCDH042	26	28	-10	-10	-0.001	-0.001
TCDH042	28	30	-10	-10	-0.001	-0.001
TCDH042	30	32	-10	-10	-0.001	-0.001
TCDH042	32	34	-10	-10	-0.001	-0.001
TCDH042	34	36	-10	10	0.001	-0.001
TCDH042	36	38	-10	10	0.001	-0.001
TCDH042	38	40	-10	10	0.001	-0.001
TCDH042	40	42	-10	20	2.00E-03	-0.001
TCDH042	42	44	10	20	2.00E-03	0.001
TCDH042	44	46	10	-10	-0.001	0.001
TCDH042	46	48	20	-10	-0.001	2.00E-03
TCDH042	48	50	10	10	0.001	0.001
TCDH042	50	52	20	-10	-0.001	2.00E-03
TCDH042	52	54	10	-10	-0.001	0.001
TCDH042	54	56	10	-10	-0.001	0.001
TCDH042	56	58	20	-10	-0.001	2.00E-03
TCDH042	58	60	20	-10	-0.001	2.00E-03
TCDH042	60	62	10	-10	-0.001	0.001
TCDH042	62	64	20	-10	-0.001	2.00E-03
TCDH042	64	66	20	-10	-0.001	2.00E-03
TCDH042	66	68	20	-10	-0.001	2.00E-03
TCDH042	68	70	30	70	7.00E-03	0.003
TCDH042	70	72	30	130	0.013	0.003
TCDH042	72	74	70	160	1.60E-02	7.00E-03
TCDH042	74	76	20	220	0.022	2.00E-03
TCDH042	76	78	40	280	2.80E-02	4.00E-03
TCDH042	78	80	30	290	2.90E-02	0.003
TCDH042	80	82	40	290	2.90E-02	4.00E-03
TCDH042	82	84	20	50	5.00E-03	2.00E-03
TCDH042	84	86	30	30	0.003	0.003
TCDH042	86	88	90	550	0.055	9.00E-03
TCDH042	88	90	280	800	8.00E-02	2.80E-02
TCDH042	90	91	230	750	7.50E-02	0.023
TCDH042	91	92	340	1000	0.1	3.40E-02
TCDH042	92	93	540	6560	0.65600002	5.40E-02
TCDH042	93	94	3530	65200	6.52	0.35299999
TCDH042	94	95	3810	121000	12.1	0.38100001
TCDH042	95	96	320	3120	0.31200001	3.20E-02
TCDH042	96	97	160	1130	0.113	1.60E-02
TCDH042	97	98	200	1280	0.12800001	0.02
TCDH042	98	99	170	1210	0.121	1.70E-02
TCDH042	99	100	1930	29200	2.9200001	0.193
TCDH042	100	101	4310	14300	1.4299999	0.43099999
TCDH042	101	102	3070	8820	0.88200003	0.30700001
TCDH042	102	103	1390	6790	0.67900002	0.139
TCDH042	103	104	460	89300	8.9300003	0.046
TCDH042	104	105	270	74600	7.46	2.70E-02
TCDH042	105	106	950	69000	6.9000001	9.50E-02
TCDH042	106	107	690	72400	7.2399998	6.90E-02
TCDH042	107	108	790	32300	3.23	7.90E-02
TCDH042	108	109	2120	94500	9.4499998	0.212
TCDH042	109	110	860	56500	5.6500001	8.60E-02
TCDH042	110	111	70	9640	0.96399999	7.00E-03

TCDH042	111	112	150	37100	3.71	0.015
TCDH042	112	113	60	23700	2.3699999	6.00E-03
TCDH042	113	114	50	20900	2.0899999	5.00E-03
TCDH042	114	115	60	38000	3.8	6.00E-03
TCDH042	115	116	260	62300	6.23	2.60E-02
TCDH042	116	117	180	28100	2.8099999	1.80E-02
TCDH042	117	118	250	30200	3.02	0.025
TCDH042	118	119	190	16300	1.63	1.90E-02
TCDH042	119	120	120	14500	1.45	0.012
TCDH042	120	121	50	22500	2.25	5.00E-03
TCDH042	121	122	20	14000	1.4	2.00E-03
TCDH042	122	123	70	19900	1.99	7.00E-03
TCDH042	123	124	30	22900	2.29	0.003
TCDH042	124	125	30	29800	2.98	0.003
TCDH042	125	126	9	14900	1.49	9.00E-04
TCDH042	126	127	20	30500	3.05	2.00E-03
TCDH042	127	128	50	64800	6.48	5.00E-03
TCDH042	128	129	20	8210	0.82099998	2.00E-03
TCDH042	129	130	50	19500	1.95	5.00E-03
TCDH042	130	131	30	25000	2.5	0.003
TCDH042	131	132	40	25100	2.51	4.00E-03
TCDH042	132	133	30	11600	1.16	0.003
TCDH042	133	134	30	27300	2.73	0.003
TCDH042	134	135	40	30800	3.0799999	4.00E-03
TCDH042	135	136	-10	-10	-0.001	-0.001
TCDH042	136	137	50	44900	4.4899998	5.00E-03
TCDH042	137	138	30	7000	0.69999999	0.003
TCDH042	138	139	30	74400	7.4400001	0.003
TCDH042	139	140	30	66600	6.6599998	0.003
TCDH042	140	141	20	41800	4.1799998	2.00E-03
TCDH042	141	142	10	10700	1.0700001	0.001
TCDH042	142	143	70	70600	7.0599999	7.00E-03
TCDH042	143	144	30	27000	2.7	0.003
TCDH042	144	145	-10	-10	-0.001	-0.001
TCDH042	145	146	130	74800	7.48	0.013
TCDH042	146	147	60	34100	3.4100001	6.00E-03
TCDH042	147	148	50	19200	1.92	5.00E-03
TCDH042	148	149	50	61100	6.1100001	5.00E-03
TCDH042	149	150	20	27400	2.74	2.00E-03
TCDH042	150	151	30	19600	1.96	0.003
TCDH042	151	152	10	12500	1.25	0.001
TCDH042	152	153	130	64100	6.4099998	0.013
TCDH042	153	154	70	55500	5.5500002	7.00E-03
TCDH042	154	155	40	46800	4.6799998	4.00E-03
TCDH042	155	156	20	14600	1.46	2.00E-03
TCDH042	156	157	70	17700	1.77	7.00E-03
TCDH042	157	158	30	6240	0.62400001	0.003
TCDH042	158	159	110	26500	2.6500001	0.011
TCDH042	159	160	130	23100	2.3099999	0.013
TCDH042	160	161	140	33500	3.3499999	0.014
TCDH042	161	162	170	27600	2.76	1.70E-02
TCDH042	162	163	100	21500	2.1500001	1.00E-02
TCDH042	163	164	2690	88800	8.8800001	0.26899999
TCDH042	164	165	800	30700	3.0699999	8.00E-02
TCDH042	165	166	220	49300	4.9299998	0.022
TCDH042	166	167	140	22800	2.28	0.014
TCDH042	167	168	1080	30800	3.0799999	0.108
TCDH042	168	170	450	38400	3.8399999	4.50E-02
TCDH042	170	172	230	34500	3.45	0.023
TCDH042	172	174	120	6810	0.68099999	0.012
TCDH042	174	176	550	25900	2.5899999	0.055
TCDH042	176	178	160	16600	1.66	1.60E-02
TCDH042	178	180	180	5010	0.50099999	1.80E-02

TCDH042	180	182	190	9860	0.986	1.90E-02
TCDH042	182	184	170	9300	0.93000001	1.70E-02
TCDH042	184	186	200	10300	1.03	0.02
TCDH042	186	188	190	6780	0.67799997	1.90E-02
TCDH042	188	190	350	7050	0.70499998	0.035
TCDH042	190	192	170	19500	1.95	1.70E-02
TCDH042	192	194	140	17600	1.76	0.014
TCDH042	194	196	1140	8160	0.81599998	0.114
TCDH042	196	198	40	100	1.00E-02	4.00E-03
TCDH042	198	200	20	20	2.00E-03	2.00E-03
TCDH042	200	202	10	10	0.001	0.001
TCDH042	202	204	-10	20	2.00E-03	-0.001
TCDH042	204	206	-10	10	0.001	-0.001
TCDH042	206	208	-10	9	9.00E-04	-0.001
TCDH042	208	210	-10	10	0.001	-0.001
TCDH042	210	212	20	30	0.003	2.00E-03
TCDH042	212	214	40	20	2.00E-03	4.00E-03
TCDH042	214	216	40	10	0.001	4.00E-03
TCDH042	216	218	40	10	0.001	4.00E-03
TCDH042	218	220	30	-10	-0.001	0.003
TCDH042	220	222	50	10	0.001	5.00E-03
TCDH042	222	224	40	10	0.001	4.00E-03
TCDH042	224	226	50	30	0.003	5.00E-03
TCDH042	226	228	40	40	4.00E-03	4.00E-03
TCDH042	228	230	10	20	2.00E-03	0.001
TCDH042	230	232	20	10	0.001	2.00E-03
TCDH042	232	234	10	70	7.00E-03	0.001
TCDH042	234	236	-10	9	9.00E-04	-0.001
TCDH042	236	238	10	20	2.00E-03	0.001
TCDH042	238	240	30	10	0.001	0.003
TCDH042	240	242	-10	-10	-0.001	-0.001
TCDH042	242	244	10	-10	-0.001	0.001
TCDH042	244	246	9	-10	-0.001	9.00E-04
TCDH042	246	248	-10	-10	-0.001	-0.001
TCDH042	248	250	-10	10	0.001	-0.001
TCDH042	250	252	-10	30	0.003	-0.001
TCDH042	252	254	-10	-10	-0.001	-0.001
TCDH042	254	256	-10	270	2.70E-02	-0.001
TCDH042	256	258	-10	20	2.00E-03	-0.001
TCDH042	258	260	-10	20	2.00E-03	-0.001
TCDH042	260	262	-10	-10	-0.001	-0.001
TCDH042	262	264	-10	-10	-0.001	-0.001
TCDH042	264	266	-10	-10	-0.001	-0.001
TCDH042	266	268	10	-10	-0.001	0.001
TCDH042	268	270	10	-10	-0.001	0.001
TCDH042	270	272	-10	-10	-0.001	-0.001
TCDH042	272	274	30	10	0.001	0.003
TCDH042	274	276	30	10	0.001	0.003
TCDH042	276	278	20	-10	-0.001	2.00E-03
TCDH042	278	280	20	-10	-0.001	2.00E-03
TCDH042	280	282	20	-10	-0.001	2.00E-03
TCDH042	282	284	20	9	9.00E-04	2.00E-03
TCDH042	284	286	20	-10	-0.001	2.00E-03
TCDH042	286	288	20	10	0.001	2.00E-03
TCDH042	288	290	20	20	2.00E-03	2.00E-03
TCDH042	290	292	10	-10	-0.001	0.001
TCDH042	292	294	-10	-10	-0.001	-0.001
TCDH042	294	296	20	-10	-0.001	2.00E-03
TCDH042	296	298	20	-10	-0.001	2.00E-03
TCDH042	298	300	-10	-10	-0.001	-0.001
TCDH042	300	302	10	-10	-0.001	0.001
TCDH042	302	304	-10	-10	-0.001	-0.001
TCDH042	304	306	-10	-10	-0.001	-0.001

TCDH042	306	308	20	-10	-0.001	2.00E-03
TCDH042	308	310	20	-10	-0.001	2.00E-03
TCDH042	310	312	-10	-10	-0.001	-0.001
TCDH042	312	314	10	-10	-0.001	0.001
TCDH042	314	316	20	10	0.001	2.00E-03
TCDH042	316	318	40	30	0.003	4.00E-03
TCDH042	318	320	30	100	1.00E-02	0.003
TCDH042	320	322	30	20	2.00E-03	0.003
TCDH042	322	324	40	10	0.001	4.00E-03
TCDH042	324	326	40	20	2.00E-03	4.00E-03
TCDH042	326	328	30	20	2.00E-03	0.003
TCDH042	328	330	10	10	0.001	0.001
TCDH042	330	332	30	10	0.001	0.003
TCDH042	332	334	40	30	0.003	4.00E-03
TCDH042	334	336	30	30	0.003	0.003
TCDH042	336	338	20	9	9.00E-04	2.00E-03
TCDH042	338	340	20	20	2.00E-03	2.00E-03
TCDH042	340	342	20	20	2.00E-03	2.00E-03
TCDH042	342	344	30	40	4.00E-03	0.003
TCDH042	344	346	50	60	6.00E-03	5.00E-03
TCDH042	346	348	40	30	0.003	4.00E-03
TCDH042	348	350	50	50	5.00E-03	5.00E-03
TCDH042	350	352	30	20	2.00E-03	0.003
TCDH042	352	354	20	20	2.00E-03	2.00E-03
TCDH042	354	356	20	20	2.00E-03	2.00E-03
TCDH042	356	358	10	10	0.001	0.001
TCDH042	358	360	30	-10	-0.001	0.003
TCDH042	360	362	20	-10	-0.001	2.00E-03
TCDH042	362	364	20	-10	-0.001	2.00E-03
TCDH042	364	366	20	-10	-0.001	2.00E-03
TCDH042	366	368	30	-10	-0.001	0.003
TCDH042	368	370	10	-10	-0.001	0.001
TCDH042	370	372	10	-10	-0.001	0.001
TCDH042	372	374	-10	20	2.00E-03	-0.001
TCDH043	0	1	2740	11100	1.11	0.27399999
TCDH043	1	2	1140	6400	0.63999999	0.114
TCDH043	2	3	2040	10400	1.04	0.204
TCDH043	3	4	3400	17400	1.74	0.34
TCDH043	4	5	3600	48000	4.8000002	0.36000001
TCDH043	5	6	2930	54600	5.46	0.29300001
TCDH043	7	8	5810	38200	3.8199999	0.58099997
TCDH043	8	9	6170	39900	3.99	0.61699998
TCDH043	9	10	1750	7220	0.722	0.175
TCDH043	10	11	1570	33100	3.3099999	0.15700001
TCDH043	11	12	710	4270	0.42699999	7.10E-02
TCDH043	12	13	650	4090	0.40900001	6.50E-02
TCDH043	13	14	420	2230	0.223	4.20E-02
TCDH043	14	15	120	610	6.10E-02	0.012
TCDH043	15	16	110	580	5.80E-02	0.011
TCDH043	16	17	160	1360	0.13600001	1.60E-02
TCDH043	17	18	120	860	8.60E-02	0.012
TCDH043	21	22	90	1680	0.168	9.00E-03
TCDH043	22	23	300	7680	0.76800001	3.00E-02
TCDH043	23	24	310	4190	0.419	3.10E-02
TCDH043	24	25	1350	7150	0.71499997	0.13500001
TCDH043	25	26	850	5010	0.50099999	8.50E-02
TCDH043	26	27	1610	7420	0.74199998	0.161
TCDH043	28	29	420	5410	0.54100001	4.20E-02
TCDH043	29	30	790	11300	1.13	7.90E-02
TCDH043	31	32	350	9470	0.94700003	0.035
TCDH043	32	33	100	8800	0.88	1.00E-02
TCDH043	33	34	80	4710	0.47099999	8.00E-03
TCDH043	34	35	110	4840	0.484	0.011

TCDH043	36	37	640	11700	1.17	6.40E-02
TCDH043	37	38	1270	12100	1.21	0.127
TCDH043	38	39	390	8460	0.84600002	3.90E-02
TCDH043	39	40	1640	44200	4.4200001	0.164
TCDH043	40	41	380	5560	0.55599999	3.80E-02
TCDH043	41	42	790	10200	1.02	7.90E-02
TCDH043	42	43	720	12100	1.21	7.20E-02
TCDH043	43	44	270	6130	0.61299998	2.70E-02
TCDH043	44	45	570	2170	0.21699999	0.057
TCDH043	46	48	50	160	1.60E-02	5.00E-03
TCDH043	48	50	370	4480	0.44800001	0.037
TCDH043	50	52	330	3390	0.33899999	0.033
TCDH043	52	54	260	5180	0.51800001	2.60E-02
TCDH043	54	58	30	70	7.00E-03	0.003
TCDH043	58	60	30	60	6.00E-03	0.003
TCDH043	60	62	40	140	0.014	4.00E-03
TCDH043	62	64	30	20	2.00E-03	0.003
TCDH043	64	66	60	80	8.00E-03	6.00E-03
TCDH043	66	68	70	20	2.00E-03	7.00E-03
TCDH043	68	70	70	-10	-0.001	7.00E-03
TCDH043	70	72	100	20	2.00E-03	1.00E-02
TCDH043	72	74	110	30	0.003	0.011
TCDH043	74	76	100	10	0.001	1.00E-02
TCDH043	76	78	20	220	0.022	2.00E-03
TCDH043	78	80	50	40	4.00E-03	5.00E-03
TCDH043	80	82	40	-10	-0.001	4.00E-03
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TCDH043	84	86	50	20	2.00E-03	5.00E-03
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TCDH043	88	90	40	-10	-0.001	4.00E-03
TCDH043	90	92	50	-10	-0.001	5.00E-03
TCDH043	92	94	80	-10	-0.001	8.00E-03
TCDH043	94	95	70	9	9.00E-04	7.00E-03
TCDH043	95	96	80	40	4.00E-03	8.00E-03
TCDH043	96	97	80	310	3.10E-02	8.00E-03
TCDH043	97	98	100	630	6.30E-02	1.00E-02
TCDH043	98	99	140	360	3.60E-02	0.014
TCDH043	99	100	250	1040	0.104	0.025
TCDH043	100	101	50	20	2.00E-03	5.00E-03
TCDH043	101	102	20	150	0.015	2.00E-03
TCDH043	102	103	10	-10	-0.001	0.001
TCDH043	103	104	100	9	9.00E-04	1.00E-02
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TCDH043	120	121	90	110	0.011	9.00E-03
TCDH043	121	122	80	160	1.60E-02	8.00E-03
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TCDH043	126	127	40	60	6.00E-03	4.00E-03
TCDH043	127	128	20	20	2.00E-03	2.00E-03
TCDH043	128	129	30	20	2.00E-03	0.003
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TCDH043	134	135	590	490	4.90E-02	0.059
TCDH043	135	136	1820	1670	0.167	0.182
TCDH043	137	138	30	30	0.003	0.003
TCDH043	138	139	20	60	6.00E-03	2.00E-03
TCDH043	139	140	40	120	0.012	4.00E-03
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TCDH043	141	142	1280	1940	0.19400001	0.12800001
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TCDH043	143	144	20	140	0.014	2.00E-03
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TCDH043	151	152	40	-10	-0.001	4.00E-03
TCDH043	152	153	40	-10	-0.001	4.00E-03
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TCDH043	157	158	60	120	0.012	6.00E-03
TCDH043	158	159	10	10	0.001	0.001
TCDH043	159	160	20	20	2.00E-03	2.00E-03
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TCDH043	166	167	9	60	6.00E-03	9.00E-04
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TCDH043	168	169	20	260	2.60E-02	2.00E-03
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TCDH043	171	172	10	20	2.00E-03	0.001
TCDH043	172	173	10	-10	-0.001	0.001
TCDH043	173	174	10	70	7.00E-03	0.001
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TCDH043	179	180	10	20	2.00E-03	0.001
TCDH043	180	181	20	20	2.00E-03	2.00E-03
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TCDH044	174	175	762	19000	1.9	7.62E-02
TCDH044	175	176	763	16100	1.61	7.63E-02
TCDH044	176	177	384	11500	1.15	3.84E-02
TCDH044	177	178	120	15000	1.5	0.012
TCDH044	178	179	139	22500	2.25	0.0139
TCDH044	179	180	2430	41400	4.1399999	0.243
TCDH044	180	181	298	22000	2.2	0.0298
TCDH044	181	182	62	22100	2.21	6.20E-03
TCDH044	182	183	46	23700	2.3699999	4.60E-03
TCDH044	183	184	37	16900	1.6900001	0.0037
TCDH044	184	185	47	22000	2.2	4.70E-03
TCDH044	185	186	176	79900	7.9899998	0.0176
TCDH044	186	187	74	20300	2.03	0.0074
TCDH044	187	188	40	33300	3.3299999	4.00E-03
TCDH044	188	189	40	34200	3.4200001	4.00E-03
TCDH044	189	190	52	42900	4.29	0.0052
TCDH044	190	191	47	32000	3.2	4.70E-03
TCDH044	191	192	30	10800	1.08	0.003
TCDH044	192	193	23	10800	1.08	2.30E-03
TCDH044	193	194	24	13800	1.38	2.40E-03
TCDH044	194	195	34	13900	1.39	0.0034
TCDH044	195	196	56	24200	2.4200001	5.60E-03
TCDH044	196	197	58	11000	1.1	5.80E-03
TCDH044	197	198	24	7380	0.73799998	2.40E-03

TCDH044	198	199	24	8050	0.80500001	2.40E-03
TCDH044	199	200	23	10100	1.01	2.30E-03
TCDH044	200	201	26	21300	2.1300001	0.0026
TCDH044	201	202	30	19300	1.9299999	0.003
TCDH044	202	203	31	37100	3.71	3.10E-03
TCDH044	203	204	166	128000	12.8	0.0166
TCDH044	204	205	91	25800	2.5799999	9.10E-03
TCDH044	205	206	86	25900	2.5899999	8.60E-03
TCDH044	206	207	50	30900	3.0899999	5.00E-03
TCDH044	207	208	38	28800	2.8800001	3.80E-03
TCDH044	208	209	77	37600	3.76	0.0077
TCDH044	209	210	98	56200	5.6199999	9.80E-03
TCDH044	210	211	49	19600	1.96	4.90E-03
TCDH044	211	212	27	23500	2.3499999	2.70E-03
TCDH044	212	213	103	127000	12.7	0.0103
TCDH044	213	214	59	93400	9.3400002	5.90E-03
TCDH044	214	215	424	39000	3.9000001	4.24E-02
TCDH044	215	216	941	104000	10.4	9.41E-02
TCDH044	216	217	62	91300	9.1300001	6.20E-03
TCDH044	217	218	1060	59400	5.9400001	0.106
TCDH044	218	219	87	40100	4.0100002	8.70E-03
TCDH044	219	220	693	53900	5.3899999	6.93E-02
TCDH044	220	221	126	6450	0.64499998	0.0126
TCDH044	221	222	832	14800	1.48	0.0832
TCDH044	222	223	115	54300	5.4299998	0.0115
TCDH044	223	224	59	85500	8.5500002	5.90E-03
TCDH044	224	225	88	19100	1.91	0.0088
TCDH044	225	226	1850	38100	3.8099999	0.185
TCDH044	226	227	3320	69400	6.9400001	0.33199999
TCDH044	227	228	53	4890	0.48899999	5.30E-03
TCDH044	228	229	1650	67300	6.73	0.16500001
TCDH044	229	230	195	4420	0.442	0.0195
TCDH044	230	231	94	5110	0.51099998	9.40E-03
TCDH044	231	232	148	67700	6.77	0.0148
TCDH044	232	233	3290	21200	2.1199999	0.329
TCDH044	233	234	1080	35600	3.5599999	0.108
TCDH044	234	235	672	50800	5.0799999	6.72E-02
TCDH044	235	236	415	13400	1.34	4.15E-02
TCDH044	236	237	4280	61700	6.1700001	0.428
TCDH044	237	238	673	52300	5.23	6.73E-02
TCDH044	238	239	1030	28800	2.8800001	0.103
TCDH044	239	240	1420	48800	4.8800001	0.142
TCDH044	240	241	242	30200	3.02	0.0242
TCDH044	241	242	1320	59100	5.9099998	0.132
TCDH044	242	243	11700	60100	6.0100002	1.17
TCDH044	243	244	1250	50400	5.04	0.125
TCDH044	244	245	19000	71700	7.1700001	1.9
TCDH044	245	246	10100	41600	4.1599998	1.01
TCDH044	246	247	22700	27700	2.77	2.27
TCDH044	247	248	11000	33100	3.3099999	1.1
TCDH044	248	249	19600	22600	2.26	1.96
TCDH044	249	250	11600	44800	4.48	1.16
TCDH044	250	251	6080	30600	3.0599999	0.60799998
TCDH044	251	252	16400	42200	4.2199998	1.64
TCDH044	252	253	15000	38600	3.8599999	1.5
TCDH044	253	254	6930	43300	4.3299999	0.69300002
TCDH044	254	255				
TCDH044	255	256	9450	28100	2.8099999	0.94499999
TCDH044	256	257	13100	29200	2.9200001	1.3099999
TCDH044	257	258	3040	61600	6.1599998	0.30399999
TCDH044	258	259	216	43800	4.3800001	2.16E-02
TCDH044	259	260	169	47000	4.6999998	1.69E-02
TCDH044	260	261	46	22400	2.24	4.60E-03

TCDH044	261	262	579	43300	4.3299999	0.0579
TCDH044	262	263	82	49500	4.9499998	0.0082
TCDH044	263	264	74	39800	3.98	0.0074
TCDH044	264	265	68	31300	3.1300001	6.80E-03
TCDH044	265	266	1190	35400	3.54	0.119
TCDH044	266	267	1130	57600	5.7600002	0.113
TCDH044	267	268	1290	54500	5.4499998	0.12899999
TCDH044	268	269	314	67500	6.75	3.14E-02
TCDH044	269	270	157	60000	6	1.57E-02
TCDH044	270	271	131	66100	6.6100001	0.0131
TCDH044	271	272	247	44500	4.4499998	2.47E-02
TCDH044	272	273	301	45200	4.52	3.01E-02
TCDH044	273	274	325	29600	2.96	3.25E-02
TCDH044	274	275	141	32300	3.23	0.0141
TCDH044	275	276	1190	53600	5.3600001	0.119
TCDH044	276	277	126	38400	3.8399999	0.0126
TCDH044	277	278	1530	51700	5.1700001	0.153
TCDH044	278	279	1480	45900	4.5900002	0.148
TCDH044	279	280	926	34100	3.4100001	9.26E-02
TCDH044	280	281	639	20900	2.0899999	6.39E-02
TCDH044	281	282	2630	36200	3.6199999	0.26300001
TCDH044	282	283	1100	32400	3.24	0.11
TCDH044	283	284	1880	29700	2.97	0.18799999
TCDH044	284	286	6580	36400	3.6400001	0.65799999
TCDH044	286	288	65	200	0.02	6.50E-03
TCDH044	288	290	58	20	2.00E-03	5.80E-03
TCDH044	290	292	86	110	0.011	8.60E-03
TCDH044	292	294	66	30	0.003	0.0066
TCDH044	294	296	61	20	2.00E-03	6.10E-03
TCDH044	296	298	33	20	2.00E-03	0.0033
TCDH044	298	300	29	-10	-0.001	0.0029
TCDH044	300	302	24	-10	-0.001	2.40E-03
TCDH044	302	304	25	-10	-0.001	2.50E-03
TCDH044	304	306	23	-10	-0.001	2.30E-03
TCDH044	306	308	25	30	0.003	2.50E-03
TCDH044	308	309.70001	5	30	0.003	5.00E-04
TCDH045	0	2	172	510	5.10E-02	1.72E-02
TCDH045	2	4	105	470	4.70E-02	0.0105
TCDH045	4	6	126	440	0.044	0.0126
TCDH045	6	7	2690	5060	0.50599998	0.26899999
TCDH045	7	8	2910	11500	1.15	0.29100001
TCDH045	8	9	1650	76100	7.6100001	0.16500001
TCDH045	9	10	2030	111000	11.1	0.20299999
TCDH045	10	11	2780	55700	5.5700002	0.278
TCDH045	11	12	2460	42500	4.25	0.24600001
TCDH045	12	13	1800	258000	25.799999	0.18000001
TCDH045	13	14	2340	292000	29.200001	0.234
TCDH045	14	15	8780	43200	4.3200002	0.87800002
TCDH045	15	16	9640	66900	6.6900001	0.96399999
TCDH045	16	17	5780	39800	3.98	0.57800001
TCDH045	17	18	9410	120000	12	0.94099998
TCDH045	18	19	9870	126000	12.6	0.98699999
TCDH045	19	20	35200	172000	17.200001	3.52
TCDH045	20	21	2000	158000	15.8	0.2
TCDH045	21	22	2030	191000	19.1	0.20299999
TCDH045	22	23	2550	90200	9.0200005	0.255
TCDH045	23	24	3130	173000	17.299999	0.31299999
TCDH045	24	25	3880	266000	26.6	0.38800001
TCDH045	25	26	479	108000	10.8	4.79E-02
TCDH045	26	27	2390	132000	13.2	0.23899999
TCDH045	27	28	136	85200	8.5200005	0.0136
TCDH045	28	29	2690	94600	9.46	0.26899999
TCDH045	29	30	1570	37700	3.77	0.15700001

TCDH045	30	31	1200	112000	11.2	0.12
TCDH045	31	32	922	134000	13.4	9.22E-02
TCDH045	32	33	1560	81500	8.1499996	0.156
TCDH045	33	34	1060	398000	39.799999	0.106
TCDH045	34	35	2060	420000	42	0.206
TCDH045	35	36	1590	303000	30.299999	0.15899999
TCDH045	36	37	611	152000	15.2	6.11E-02
TCDH045	37	38	5330	204000	20.4	0.53299999
TCDH045	38	39	11800	32700	3.27	1.1799999
TCDH045	40	41	5680	175000	17.5	0.56800002
TCDH045	41	42	11000	149000	14.9	1.1
TCDH045	43	44	4040	107000	10.7	0.40400001
TCDH045	44	45	2820	120000	12	0.28200001
TCDH045	45	46	5340	171000	17.1	0.53399998
TCDH045	46	47	13000	171000	17.1	1.3
TCDH045	47	48	6710	31700	3.1700001	0.671
TCDH045	48	49	3270	52000	5.1999998	0.32699999
TCDH045	49	50	1490	21500	2.1500001	0.149
TCDH045	50	51	19500	61300	6.1300001	1.95
TCDH045	52	53	7870	100000	10	0.787
TCDH045	53	54	22500	216000	21.6	2.25
TCDH045	54	55	32700	193000	19.299999	3.27
TCDH045	55	56	23500	143000	14.3	2.3499999
TCDH045	56	57	933	43500	4.3499999	0.0933
TCDH045	57	58	527	120000	12	5.27E-02
TCDH045	58	59	388	195000	19.5	3.88E-02
TCDH045	59	60	417	154000	15.4	4.17E-02
TCDH045	60	61	811	80100	8.0100002	8.11E-02
TCDH045	61	62	580	43100	4.3099999	5.80E-02
TCDH045	62	63	397	34900	3.49	3.97E-02
TCDH045	63	64	501	51600	5.1599998	5.01E-02
TCDH045	64	65	696	45800	4.5799999	6.96E-02
TCDH045	65	66	945	35400	3.54	9.45E-02
TCDH045	66	67	945	39300	3.9300001	9.45E-02
TCDH045	67	68	535	54800	5.48	0.0535
TCDH045	68	69	838	74700	7.4699998	8.38E-02
TCDH045	69	70	9670	42800	4.2800002	0.96700001
TCDH045	70	71	2160	29900	2.99	0.21600001
TCDH045	71	72	64	6250	0.625	6.40E-03
TCDH045	72	73	92	8550	0.85500002	9.20E-03
TCDH045	73	74	74	15700	1.5700001	0.0074
TCDH045	74	75	45	7500	0.75	4.50E-03
TCDH045	75	76	67	8040	0.80400002	6.70E-03
TCDH045	76	77	4810	17500	1.75	0.48100001
TCDH045	77	78	747	35200	3.52	7.47E-02
TCDH045	78	79	330	12000	1.2	0.033
TCDH045	79	80	50	12200	1.22	5.00E-03
TCDH045	80	81	44	13000	1.3	0.0044
TCDH045	81	82	370	12800	1.28	0.037
TCDH045	82	83	6810	30600	3.0599999	0.68099999
TCDH045	83	84	2270	27900	2.79	0.227
TCDH045	84	85	676	19700	1.97	6.76E-02
TCDH045	85	86	206	31700	3.1700001	0.0206
TCDH045	86	87	1770	42000	4.1999998	0.177
TCDH045	88	89	864	26700	2.6700001	8.64E-02
TCDH045	89	90	682	26000	2.5999999	0.0682
TCDH045	90	91	423	20700	2.0699999	4.23E-02
TCDH045	91	92	308	41300	4.1300001	0.0308
TCDH045	92	93	243	23500	2.3499999	0.0243
TCDH045	93	94	263	34600	3.46	0.0263
TCDH045	94	95	111	41300	4.1300001	0.0111
TCDH045	95	96	153	34100	3.4100001	0.0153
TCDH045	96	97	50	18200	1.8200001	5.00E-03

TCDH045	97	98	26	21800	2.1800001	0.0026
TCDH045	98	99	24	21800	2.1800001	2.40E-03
TCDH045	99	100	47	24300	2.4300001	4.70E-03
TCDH045	100	101	29	27900	2.79	0.0029
TCDH045	101	102	95	26900	2.6900001	9.50E-03
TCDH045	102	103	169	35800	3.5799999	1.69E-02
TCDH045	103	104	32	15600	1.5599999	3.20E-03
TCDH045	104	105	22	12100	1.21	0.0022
TCDH045	105	106	25	9430	0.94300002	2.50E-03
TCDH045	106	107	20	9220	0.92199999	2.00E-03
TCDH045	107	108	95	7820	0.78200001	9.50E-03
TCDH045	108	109	75	7790	0.77899998	7.50E-03
TCDH045	109	110	120	8150	0.815	0.012
TCDH045	110	111	73	25100	2.51	7.30E-03
TCDH045	111	112	82	39400	3.9400001	0.0082
TCDH045	112	113	64	31700	3.1700001	6.40E-03
TCDH045	113	114	24	20700	2.0699999	2.40E-03
TCDH045	114	115	75	21100	2.1099999	7.50E-03
TCDH045	115	116	52	19400	1.9400001	0.0052
TCDH045	116	117	59	17700	1.77	5.90E-03
TCDH045	117	118	86	9350	0.935	8.60E-03
TCDH045	118	119	43	12700	1.27	4.30E-03
TCDH045	119	120	55	32600	3.26	0.0055
TCDH045	120	121	44	31200	3.1199999	0.0044
TCDH045	121	122	31	12300	1.23	3.10E-03
TCDH045	122	123	23	9180	0.91799998	2.30E-03
TCDH045	123	124	16	5030	0.50300002	0.0016
TCDH045	124	125	36	6650	0.66500002	3.60E-03
TCDH045	125	126	11	5620	0.56199998	0.0011
TCDH045	126	127	10	5310	0.53100002	0.001
TCDH045	127	128	22	6230	0.62300003	0.0022
TCDH045	128	129	15	6190	0.61900002	0.0015
TCDH045	129	130	16	6460	0.64600003	0.0016
TCDH045	130	131	12	6370	0.63700002	1.20E-03
TCDH045	131	132	14	9280	0.92799997	0.0014
TCDH045	132	133	62	21100	2.1099999	6.20E-03
TCDH045	133	134	24	24600	2.46	2.40E-03
TCDH045	134	135	16	16000	1.6	0.0016
TCDH045	135	136	23	12500	1.25	2.30E-03
TCDH045	136	137	32	35400	3.54	3.20E-03
TCDH045	137	138	31	36900	3.6900001	3.10E-03
TCDH045	138	139	18	12500	1.25	0.0018
TCDH045	139	140	12	9680	0.96799999	1.20E-03
TCDH045	140	141	6	4180	0.41800001	6.00E-04
TCDH045	141	142	6	4380	0.43799999	6.00E-04
TCDH045	142	143	3	3950	0.39500001	3.00E-04
TCDH045	143	144	17	7110	0.71100003	0.0017
TCDH045	144	145	6	3320	0.33199999	6.00E-04
TCDH045	145	146	9	3430	0.34299999	9.00E-04
TCDH045	146	147	29	6330	0.63300002	0.0029
TCDH045	147	148	20	6990	0.699	2.00E-03
TCDH045	148	149	19	6910	0.69099998	0.0019
TCDH045	149	150	13	7720	0.77200001	0.0013
TCDH045	150	151	21	4930	0.493	2.10E-03
TCDH045	151	152	12	5950	0.59500003	1.20E-03
TCDH045	152	153	20	11600	1.16	2.00E-03
TCDH045	153	154	37	12900	1.29	0.0037
TCDH045	154	155	19	12900	1.29	0.0019
TCDH045	155	156	19	13700	1.37	0.0019
TCDH045	156	157	29	26600	2.6600001	0.0029
TCDH045	157	158	52	28800	2.8800001	0.0052
TCDH045	158	159	53	42200	4.2199998	5.30E-03
TCDH045	159	160	73	40200	4.02	7.30E-03

TCDH045	160	161	41	33800	3.3800001	0.0041
TCDH045	161	162	57	40400	4.04	5.70E-03
TCDH045	162	163	139	32400	3.24	0.0139
TCDH045	163	164	2990	2160	0.21600001	0.29899999
TCDH045	164	165	1850	1200	0.12	0.185
TCDH045	165	166	3460	36100	3.6099999	0.34599999
TCDH045	166	167	11800	82700	8.2700005	1.1799999
TCDH045	167	168	852	159000	15.9	8.52E-02
TCDH045	168	169	2850	53500	5.3499999	0.285
TCDH045	169	170	2670	47400	4.7399998	0.26699999
TCDH045	170	171	6820	51600	5.1599998	0.68199998
TCDH045	171	172	2430	14100	1.41	0.243
TCDH045	172	173	3130	25500	2.55	0.31299999
TCDH045	173	174	7400	97700	9.7700005	0.74000001
TCDH045	174	175	26000	127000	12.7	2.5999999
TCDH045	175	176	2120	50400	5.04	0.212
TCDH045	176	177	9650	113000	11.3	0.96499997
TCDH045	177	178	8800	91500	9.1499996	0.88
TCDH045	178	179	10700	95300	9.5299997	1.0700001
TCDH045	179	180	26700	63800	6.3800001	2.6700001
TCDH045	180	181	8360	87500	8.75	0.83600003
TCDH045	181	182	1700	83800	8.3800001	0.17
TCDH045	182	183	2480	90300	9.0299997	0.248
TCDH045	183	184	1340	109000	10.9	0.134
TCDH045	184	185	497	55600	5.5599999	4.97E-02
TCDH045	185	186	2660	91700	9.1700001	0.266
TCDH045	186	187	206	62700	6.27	0.0206
TCDH045	187	188	58	50500	5.0500002	5.80E-03
TCDH045	188	189	17100	94000	9.3999996	1.71
TCDH045	189	190	13000	112000	11.2	1.3
TCDH045	190	191	357	134000	13.4	3.57E-02
TCDH045	191	192	842	130000	13	8.42E-02
TCDH045	192	193	114	82900	8.29	0.0114
TCDH045	193	194	296	54500	5.4499998	0.0296
TCDH045	194	195	109	43400	4.3400002	0.0109
TCDH045	195	196	14700	117000	11.7	1.47
TCDH045	196	197	1190	64600	6.46	0.119
TCDH045	197	198	1620	95000	9.5	0.162
TCDH045	198	199	1290	93100	9.3100004	0.12899999
TCDH045	199	201	24	70	7.00E-03	2.40E-03
TCDH045	201	203	27	310	3.10E-02	2.70E-03
TCDH045	203	205	649	5650	0.565	6.49E-02
TCDH045	205	207	122	230	0.023	0.0122
TCDH045	207	209	16	90	9.00E-03	0.0016
TCDH045	209	211	22	30	0.003	0.0022
TCDH045	211	213	21	30	0.003	2.10E-03
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TCDH047	50	51	1340	26800	2.6800001	0.134
TCDH047	51	52	582	29600	2.96	5.82E-02
TCDH047	52	53	668	43700	4.3699999	6.68E-02
TCDH047	53	54	270	28700	2.8699999	2.70E-02

TCDH047	54	55	212	20300	2.03	2.12E-02
TCDH047	55	56	545	27000	2.7	5.45E-02
TCDH047	56	57	4810	35300	3.53	0.48100001
TCDH047	57	58	1290	28600	2.8599999	0.12899999
TCDH047	58	59	1730	31800	3.1800001	0.17299999
TCDH047	59	60	3730	30400	3.04	0.373
TCDH047	60	61	1100	20700	2.0699999	0.11
TCDH047	61	62	1520	16100	1.61	0.152
TCDH047	62	63	1480	3800	0.38	0.148
TCDH047	63	64	2290	6830	0.68300003	0.229
TCDH047	64	65	2230	14400	1.4400001	0.223
TCDH047	66	67	2270	14700	1.47	0.227
TCDH047	67	68	954	15300	1.53	9.54E-02
TCDH047	68	70	561	6890	0.68900001	0.0561
TCDH047	70	72	140	44400	4.4400001	0.014
TCDH047	72	74	182	18500	1.85	1.82E-02
TCDH047	75	77	660	11200	1.12	0.066
TCDH047	78	80	1390	19100	1.91	0.139
TCDH047	80	81	1280	15600	1.5599999	0.12800001
TCDH047	81	82	222	3340	0.33399999	0.0222
TCDH047	82	83	269	2660	0.266	2.69E-02
TCDH047	83	84	846	9270	0.92699999	8.46E-02
TCDH047	84	85	317	6340	0.634	0.0317
TCDH047	85	86	358	7110	0.71100003	3.58E-02
TCDH047	86	87	632	5650	0.565	6.32E-02
TCDH047	87	88	1720	11600	1.16	0.17200001
TCDH047	88	89	488	4660	0.46599999	4.88E-02
TCDH047	89	90	237	5690	0.56900001	2.37E-02
TCDH047	90	91	82	3670	0.36700001	0.0082
TCDH047	91	92	280	4400	0.44	2.80E-02
TCDH047	92	93	625	4730	0.47299999	0.0625
TCDH047	93	94	393	2750	0.27500001	3.93E-02
TCDH047	94	95	886	4990	0.49900001	8.86E-02
TCDH047	95	96	202	3400	0.34	2.02E-02
TCDH047	96	97	433	6470	0.64700001	4.33E-02
TCDH047	97	98	659	16800	1.6799999	6.59E-02
TCDH047	98	99	1120	9220	0.92199999	0.112
TCDH047	99	101	1760	33000	3.3	0.176
TCDH047	101	103	318	2570	0.257	3.18E-02
TCDH047	103	105	317	2280	0.228	0.0317
TCDH047	113	114	114	2220	0.222	0.0114
TCDH047	114	115	187	4940	0.49399999	0.0187
TCDH047	116	117	348	9720	0.972	0.0348
TCDH047	117	118	170	14700	1.47	1.70E-02
TCDH047	118	119	491	4580	0.458	0.0491
TCDH047	119	120	1240	3340	0.33399999	0.124
TCDH047	120	122	139	50	5.00E-03	0.0139
TCDH047	122	124	216	430	4.30E-02	2.16E-02
TCDH047	124	126	25	40	4.00E-03	2.50E-03
TCDH047	126	128	30	-10	-0.001	0.003
TCDH047	128	130	36	-10	-0.001	3.60E-03
TCDH047	130	132	30	-10	-0.001	0.003
TCDH047	132	134	27	10	0.001	2.70E-03
TCDH047	134	136	19	-10	-0.001	0.0019
TCDH047	136	138	16	-10	-0.001	0.0016
TCDH047	138	140	20	-10	-0.001	2.00E-03
TCDH047	140	141	294	200	0.02	0.0294
TCDH047	141	142	167	300	3.00E-02	0.0167
TCDH047	142	143	731	4270	0.42699999	7.31E-02
TCDH047	143	144	542	2070	0.207	5.42E-02
TCDH047	144	145	181	580	5.80E-02	1.81E-02
TCDH047	145	147	35	70	7.00E-03	3.50E-03
TCDH047	147	149	8	-10	-0.001	8.00E-04

TCDH047	149	151	-1	-10	-0.001	-1.00E-04
TCDH047	151	153	23	-10	-0.001	2.30E-03
TCDH047	153	155	50	-10	-0.001	5.00E-03
TCDH047	155	157	19	-10	-0.001	0.0019
TCDH047	157	159	25	-10	-0.001	2.50E-03
TCDH047	159	160	217	40	4.00E-03	0.0217
TCDH047	160	161	73	1440	0.14399999	7.30E-03
TCDH047	161	162	18	240	0.024	0.0018
TCDH047	162	163	54	100	1.00E-02	5.40E-03
TCDH047	163	164	53	330	0.033	5.30E-03
TCDH047	164	165	55	370	0.037	0.0055
TCDH047	165	166	83	520	5.20E-02	8.30E-03
TCDH047	166	167	19	160	1.60E-02	0.0019
TCDH047	167	168	26	500	5.00E-02	0.0026
TCDH047	168	169	9	210	0.021	9.00E-04
TCDH047	169	170	46	430	4.30E-02	4.60E-03
TCDH047	170	171	63	140	0.014	0.0063
TCDH047	171	172	161	350	0.035	1.61E-02
TCDH047	172	173	108	270	2.70E-02	0.0108
TCDH047	173	174	119	290	2.90E-02	0.0119
TCDH047	174	175	114	530	5.30E-02	0.0114
TCDH047	175	176	114	570	0.057	0.0114
TCDH047	176	177	128	1480	0.148	0.0128
TCDH047	177	178	34	1380	0.138	0.0034
TCDH047	178	179	19	480	0.048	0.0019
TCDH047	179	180	15	400	4.00E-02	0.0015
TCDH047	180	181	11	1040	0.104	0.0011
TCDH047	181	182	13	970	9.70E-02	0.0013
TCDH047	182	183	13	950	9.50E-02	0.0013
TCDH047	183	184	9	1800	0.18000001	9.00E-04
TCDH047	184	185	19	1190	0.119	0.0019
TCDH047	185	186	288	970	9.70E-02	0.0288
TCDH047	186	187	48	420	4.20E-02	4.80E-03
TCDH047	187	188	119	330	0.033	0.0119
TCDH047	188	189	102	160	1.60E-02	0.0102
TCDH047	189	190	93	160	1.60E-02	0.0093
TCDH047	190	191	56	240	0.024	5.60E-03
TCDH047	191	192	84	310	3.10E-02	8.40E-03
TCDH047	192	193	50	1950	0.19499999	5.00E-03
TCDH047	193	194	16	890	8.90E-02	0.0016
TCDH047	194	195	13	1050	0.105	0.0013
TCDH047	195	196	15	880	0.088	0.0015
TCDH047	196	197	33	630	6.30E-02	0.0033
TCDH047	197	198	49	2370	0.237	4.90E-03
TCDH047	198	199	54	3500	0.34999999	5.40E-03
TCDH047	199	200	35	3650	0.36500001	3.50E-03
TCDH047	200	201	64	2300	0.23	6.40E-03
TCDH047	201	202	17	2330	0.233	0.0017
TCDH047	202	203	49	1620	0.162	4.90E-03
TCDH047	203	204	221	2190	0.219	0.0221
TCDH047	204	205	51	2170	0.21699999	5.10E-03
TCDH047	205	206	36	3950	0.39500001	3.60E-03
TCDH047	206	207	50	2920	0.292	5.00E-03
TCDH047	207	208	33	2110	0.211	0.0033
TCDH047	208	209	68	1260	0.126	6.80E-03
TCDH047	209	210	85	690	6.90E-02	8.50E-03
TCDH047	210	211	164	1300	0.13	0.0164
TCDH047	211	212	440	7740	0.77399999	0.044
TCDH047	212	213	272	6050	0.60500002	0.0272
TCDH047	213	214	27	6800	0.68000001	2.70E-03
TCDH047	214	215	264	6610	0.66100001	0.0264
TCDH047	215	216	107	610	6.10E-02	0.0107
TCDH047	216	217	123	300	3.00E-02	0.0123

TCDH047	217	218	168	550	0.055	1.68E-02
TCDH047	218	219	337	4280	0.428	0.0337
TCDH047	219	220	743	8230	0.82300001	7.43E-02
TCDH047	220	221	927	5650	0.565	9.27E-02
TCDH047	221	222	776	6660	0.66600001	7.76E-02
TCDH047	222	223	1640	9360	0.93599999	0.164
TCDH047	223	224	1530	7860	0.78600001	0.153
TCDH047	224	225	624	4550	0.45500001	6.24E-02
TCDH047	225	226	94	4040	0.40400001	9.40E-03
TCDH047	226	227	94	740	7.40E-02	9.40E-03
TCDH047	227	228	127	3310	0.331	0.0127
TCDH047	228	229	14	1910	0.191	0.0014
TCDH047	229	230	39	6750	0.67500001	3.90E-03
TCDH047	230	231	74	4810	0.48100001	0.0074
TCDH047	231	232	55	6090	0.60900003	0.0055
TCDH047	232	233	801	14700	1.47	0.0801
TCDH047	233	234	480	8720	0.87199998	0.048
TCDH047	234	235	83	910	9.10E-02	8.30E-03
TCDH047	235	236	115	1830	0.183	0.0115
TCDH047	236	237	97	3560	0.35600001	9.70E-03
TCDH047	237	238	92	1230	0.123	9.20E-03
TCDH047	238	239	344	560	5.60E-02	3.44E-02
TCDH047	239	240	381	3660	0.366	0.0381
TCDH047	240	241	113	3300	0.33000001	0.0113
TCDH047	241	242	43	1740	0.17399999	4.30E-03
TCDH047	242	243	73	4000	0.40000001	7.30E-03
TCDH047	243	244	282	12400	1.24	2.82E-02
TCDH047	244	245	351	1920	0.192	3.51E-02
TCDH047	245	245.7	491	1510	0.15099999	0.0491
TCDH048	0	1	896	46500	4.6500001	8.96E-02
TCDH048	2	3	5910	129000	12.9	0.59100002
TCDH048	3	4	1810	101000	10.1	0.18099999
TCDH048	4	6	3670	51600	5.1599998	0.36700001
TCDH048	6	8	709	59000	5.9000001	7.09E-02
TCDH048	9	11	1880	21300	2.1300001	0.18799999
TCDH048	12	13	6190	265000	26.5	0.61900002
TCDH048	13	14	10000	29100	2.9100001	1
TCDH048	14	15	5050	15100	1.51	0.505
TCDH048	15	16	1770	8850	0.88499999	0.177
TCDH048	16	17	514	4570	0.45699999	5.14E-02
TCDH048	17	18	1130	10900	1.09	0.113
TCDH048	18	19	1160	17500	1.75	0.116
TCDH048	19	20	1020	23500	2.3499999	0.102
TCDH048	20	22	612	26200	2.6199999	0.0612
TCDH048	22	23	275	18300	1.83	0.0275
TCDH048	23	24	72	2080	0.208	7.20E-03
TCDH048	24	25	185	14100	1.41	0.0185
TCDH048	25	26	69	6380	0.63800001	6.90E-03
TCDH048	26	27	84	18700	1.87	8.40E-03
TCDH048	27	28	71	11300	1.13	0.0071
TCDH048	28	29	550	26500	2.6500001	0.055
TCDH048	29	30	458	34700	3.47	0.0458
TCDH048	30	31	248	47200	4.7199998	2.48E-02
TCDH048	31	32	364	43500	4.3499999	3.64E-02
TCDH048	32	33	382	52900	5.29	3.82E-02
TCDH048	33	34	129	12900	1.29	0.0129
TCDH048	34	35	336	2590	0.259	3.36E-02
TCDH048	35	36	347	12500	1.25	3.47E-02
TCDH048	36	37	79	12800	1.28	7.90E-03
TCDH048	37	38	70	9850	0.98500001	7.00E-03
TCDH048	38	39	101	17400	1.74	0.0101
TCDH048	39	40	216	13900	1.39	2.16E-02
TCDH048	40	42	415	28700	2.8699999	4.15E-02

TCDH048	42	43	256	30500	3.05	2.56E-02
TCDH048	43	44	280	30200	3.02	2.80E-02
TCDH048	44	46	5260	70400	7.04	0.52600002
TCDH048	46	47	86	1600	0.16	8.60E-03
TCDH048	47	48	43	1360	0.13600001	4.30E-03
TCDH048	48	49	115	5630	0.56300002	0.0115
TCDH048	49	50	111	7230	0.72299999	0.0111
TCDH048	50	51	70	7510	0.75099999	7.00E-03
TCDH048	51	52	219	6300	0.63	0.0219
TCDH048	52	53	105	11100	1.11	0.0105
TCDH048	53	54	72	11400	1.14	7.20E-03
TCDH048	54	55	58	7790	0.77899998	5.80E-03
TCDH048	55	56	52	8980	0.898	0.0052
TCDH048	56	57	60	11600	1.16	6.00E-03
TCDH048	57	58	54	11500	1.15	5.40E-03
TCDH048	58	59	72	8350	0.83499998	7.20E-03
TCDH048	59	60	184	17700	1.77	0.0184
TCDH048	60	61	107	11100	1.11	0.0107
TCDH048	61	62	110	13200	1.3200001	0.011
TCDH048	62	63	87	18400	1.84	8.70E-03
TCDH048	63	64	149	43200	4.3200002	0.0149
TCDH048	64	65	195	72200	7.2199998	0.0195
TCDH048	65	66	202	72400	7.2399998	2.02E-02
TCDH048	66	67	178	68000	6.8000002	0.0178
TCDH048	67	68	1070	29100	2.9100001	0.107
TCDH048	68	70	1040	26000	2.5999999	0.104
TCDH048	70	72	1040	28200	2.8199999	0.104
TCDH048	72	74	911	25100	2.51	0.0911
TCDH048	74	80	1210	21300	2.1300001	0.121
TCDH048	80	82	1930	10300	1.03	0.193
TCDH048	82	84	1770	4440	0.44400001	0.177
TCDH048	84	85	528	4470	0.447	0.0528
TCDH048	85	86	474	11700	1.17	4.74E-02
TCDH048	86	87	94	21400	2.1400001	9.40E-03
TCDH048	87	88	39	18100	1.8099999	3.90E-03
TCDH048	88	89	178	11900	1.1900001	0.0178
TCDH048	89	90	313	8500	0.85000002	3.13E-02
TCDH048	90	91	288	5370	0.537	0.0288
TCDH048	91	92	200	3090	0.30899999	0.02
TCDH048	92	93	65	52100	5.21	6.50E-03
TCDH048	93	94	34	74800	7.48	0.0034
TCDH048	94	95	626	11200	1.12	6.26E-02
TCDH048	95	96	75	1250	0.125	7.50E-03
TCDH048	96	97	13	-10	-0.001	0.0013
TCDH048	98	99	108	170	1.70E-02	0.0108
TCDH048	99	100	9	-10	-0.001	9.00E-04
TCDH048	100	101	9	30	0.003	9.00E-04
TCDH048	101	102	3400	6960	0.69599998	0.34
TCDH048	102	103	1100	5300	0.52999997	0.11
TCDH048	103	104	673	840	8.40E-02	6.73E-02
TCDH048	104	106	178	330	0.033	0.0178
TCDH048	106	108	39	50	5.00E-03	3.90E-03
TCDH048	108	109	50	4120	0.412	5.00E-03
TCDH048	116	118	13	-10	-0.001	0.0013
TCDH048	118	120	15	-10	-0.001	0.0015
TCDH048	120	122	30	30	0.003	0.003
TCDH048	122	124	37	20	2.00E-03	0.0037
TCDH048	124	125	39	10	0.001	3.90E-03
TCDH048	125	126	79	210	0.021	7.90E-03
TCDH048	126	127	66	20	2.00E-03	0.0066
TCDH048	127	128	66	10	0.001	0.0066
TCDH048	128	129	143	210	0.021	0.0143
TCDH048	129	130	165	510	5.10E-02	0.0165

TCDH048	130	131	505	660	0.066	5.05E-02
TCDH048	131	132	932	960	9.60E-02	9.32E-02
TCDH048	132	133	22	110	0.011	0.0022
TCDH048	133	134	1080	1640	0.164	0.108
TCDH048	134	135	58	1110	0.111	5.80E-03
TCDH048	135	136	211	260	2.60E-02	0.0211
TCDH048	136	137	35	10	0.001	3.50E-03
TCDH048	137	138	12	20	2.00E-03	1.20E-03
TCDH048	138	139	16	40	4.00E-03	0.0016
TCDH048	139	140	378	53500	5.3499999	3.78E-02
TCDH048	140	141	319	50000	5	0.0319
TCDH048	141	142	140	59300	5.9299998	0.014
TCDH048	142	143	96	55900	5.5900002	9.60E-03
TCDH048	143	144	292	101000	10.1	2.92E-02
TCDH048	144	145	412	66700	6.6700001	4.12E-02
TCDH048	145	146	401	32500	3.25	4.01E-02
TCDH048	146	147	665	72100	7.21	6.65E-02
TCDH048	147	148	218	66300	6.6300001	0.0218
TCDH048	148	149	912	35200	3.52	9.12E-02
TCDH048	149	150	26	15500	1.55	0.0026
TCDH048	150	151	36	12600	1.26	3.60E-03
TCDH048	151	152	1710	11900	1.1900001	0.171
TCDH048	152	153	1270	32900	3.29	0.127
TCDH048	153	154	1870	6570	0.65700001	0.18700001
TCDH048	154	155	2840	7930	0.79299998	0.28400001
TCDH048	155	156	1220	2770	0.27700001	0.122
TCDH048	156	157	240	3700	0.37	0.024
TCDH048	157	158	4630	7660	0.76599997	0.463
TCDH048	158	159	1380	9510	0.95099998	0.138
TCDH048	159	160	319	24500	2.45	0.0319
TCDH048	160	161	107	103000	10.3	0.0107
TCDH048	161	162	68	95300	9.5299997	6.80E-03
TCDH048	162	163	24	55500	5.5500002	2.40E-03
TCDH048	163	164	36	54100	5.4099998	3.60E-03
TCDH048	164	165	35	9690	0.96899998	3.50E-03
TCDH048	165	166	46	30700	3.0699999	4.60E-03
TCDH048	166	167	30	17100	1.71	0.003
TCDH048	167	168	352	44700	4.4699998	0.0352
TCDH048	168	169	444	6490	0.64899999	4.44E-02
TCDH048	169	170	243	960	9.60E-02	0.0243
TCDH048	170	171	1050	270	2.70E-02	0.105
TCDH048	171	173	466	-10	-0.001	4.66E-02
TCDH048	173	175	26	-10	-0.001	0.0026
TCDH048	175	177	27	40	4.00E-03	2.70E-03
TCDH048	177	179	17	-10	-0.001	0.0017
TCDH048	179	181	19	-10	-0.001	0.0019
TCDH048	181	183	26	-10	-0.001	0.0026
TCDH048	183	185	32	-10	-0.001	3.20E-03
TCDH048	185	187	32	20	2.00E-03	3.20E-03
TCDH048	187	189	38	100	1.00E-02	3.80E-03
TCDH048	189	191	39	10	0.001	3.90E-03
TCDH048	191	193	35	10	0.001	3.50E-03
TCDH048	193	195	35	20	2.00E-03	3.50E-03
TCDH048	195	196	275	9060	0.90600002	0.0275
TCDH048	196	197	14	-10	-0.001	0.0014
TCDH048	197	198	12	-10	-0.001	1.20E-03
TCDH048	198	199	13	20	2.00E-03	0.0013
TCDH048	199	200	907	3130	0.31299999	9.07E-02
TCDH048	200	201	242	35500	3.55	0.0242
TCDH048	201	202	167	26100	2.6099999	0.0167
TCDH048	202	203	55	3740	0.37400001	0.0055
TCDH048	203	204	31	7470	0.74699998	3.10E-03
TCDH048	204	205	23	2000	0.2	2.30E-03

TCDH048	205	206	40	3810	0.38100001	4.00E-03
TCDH048	206	207	45	6570	0.65700001	4.50E-03
TCDH048	207	208	77	12400	1.24	0.0077
TCDH048	208	209	107	7650	0.76499999	0.0107
TCDH048	209	210	61	3490	0.34900001	6.10E-03
TCDH048	210	211	295	4350	0.435	0.0295
TCDH048	211	212	610	370	0.037	6.10E-02
TCDH048	212	213	61	6490	0.64899999	6.10E-03
TCDH048	213	214	679	11000	1.1	6.79E-02
TCDH048	214	215	1640	15500	1.55	0.164
TCDH048	215	216	220	40100	4.0100002	0.022
TCDH048	216	217	79	18700	1.87	7.90E-03
TCDH048	217	218	114	9620	0.96200001	0.0114
TCDH048	218	219	91	11300	1.13	9.10E-03
TCDH048	219	220	151	15600	1.5599999	0.0151
TCDH048	220	221	151	16600	1.66	0.0151
TCDH048	221	222	118	8220	0.82200003	0.0118
TCDH048	222	223	77	7800	0.77999997	0.0077
TCDH048	223	224	54	9090	0.90899998	5.40E-03
TCDH048	224	225	68	16100	1.61	6.80E-03
TCDH048	225	226	42	24800	2.48	4.20E-03
TCDH048	226	227	42	13300	1.33	4.20E-03
TCDH048	227	228	40	21600	2.1600001	4.00E-03
TCDH048	228	229	36	31400	3.1400001	3.60E-03
TCDH048	229	230	466	42100	4.21	4.66E-02
TCDH048	230	231	40	23400	2.3399999	4.00E-03
TCDH048	231	232	37	11800	1.1799999	0.0037
TCDH048	232	233	37	27800	2.78	0.0037
TCDH048	233	234	210	27000	2.7	0.021
TCDH048	234	235	37	10900	1.09	0.0037
TCDH048	235	236	185	410	4.10E-02	0.0185
TCDH048	236	237	656	5350	0.53500003	0.0656
TCDH048	237	238	46	80	8.00E-03	4.60E-03
TCDH048	238	239	21	20	2.00E-03	2.10E-03
TCDH048	239	240	1920	3030	0.303	0.192
TCDH048	240	241	2470	32100	3.21	0.24699999
TCDH048	241	242	2590	46500	4.6500001	0.259
TCDH048	242	243	345	34300	3.4300001	3.45E-02
TCDH048	243	244	152	29900	2.99	0.0152
TCDH048	244	245	82	16800	1.6799999	0.0082
TCDH048	245	246	94	25100	2.51	9.40E-03
TCDH048	246	247	49	33300	3.3299999	4.90E-03
TCDH048	247	248	74	44100	4.4099998	0.0074
TCDH048	248	249	67	34800	3.48	6.70E-03
TCDH048	249	250	70	30600	3.0599999	7.00E-03
TCDH048	250	251	66	27800	2.78	0.0066
TCDH048	251	252	44	22600	2.26	0.0044
TCDH048	252	253	62	36500	3.6500001	6.20E-03
TCDH048	253	254	448	20000	2	4.48E-02
TCDH048	254	255	1160	35300	3.53	0.116
TCDH048	255	256	148	16200	1.62	0.0148
TCDH048	256	257	53	16000	1.6	5.30E-03
TCDH048	257	258	1340	15300	1.53	0.134
TCDH048	258	259	502	30900	3.0899999	0.0502
TCDH048	259	260	1220	26600	2.6600001	0.122
TCDH048	260	261	57	26500	2.6500001	5.70E-03
TCDH048	261	262	63	37400	3.74	0.0063
TCDH048	262	263	198	26400	2.6400001	0.0198
TCDH048	263	264	637	24700	2.47	6.37E-02
TCDH048	264	265	2590	43100	4.3099999	0.259
TCDH048	265	266	451	33400	3.3399999	0.0451
TCDH048	266	267	932	38000	3.8	9.32E-02
TCDH048	267	268	157	31600	3.1600001	1.57E-02

TCDH048	268	269	2170	28700	2.8699999	0.21699999
TCDH048	269	270	3760	29000	2.9000001	0.37599999
TCDH048	270	271	1650	11000	1.1	0.16500001
TCDH048	271	272	417	9620	0.96200001	4.17E-02
TCDH048	272	273	5400	10000	1	0.54000002
TCDH048	273	274	7830	28900	2.8900001	0.78299999
TCDH048	274	275	954	48900	4.8899999	9.54E-02
TCDH048	275	276	908	40300	4.0300002	9.08E-02
TCDH048	276	277	2120	50500	5.0500002	0.212
TCDH048	277	278	548	51000	5.0999999	0.0548
TCDH048	278	279	1570	52400	5.2399998	0.15700001
TCDH048	279	280	5560	9290	0.92900002	0.55599999
TCDH048	280	281	3510	3640	0.36399999	0.35100001
TCDH048	281	282	14600	14900	1.49	1.46
TCDH048	282	283	7010	48100	4.8099999	0.70099998
TCDH048	283	284	19800	38800	3.8800001	1.98
TCDH048	284	285	158	48400	4.8400002	1.58E-02
TCDH048	285	286	199	31900	3.1900001	0.0199
TCDH048	286	287	66	35600	3.5599999	0.0066
TCDH048	287	288	416	48300	4.8299999	0.0416
TCDH048	288	289	320	59100	5.9099998	3.20E-02
TCDH048	289	290	141	47900	4.79	0.0141
TCDH048	290	291	144	49800	4.98	0.0144
TCDH048	291	292	362	45500	4.5500002	3.62E-02
TCDH048	292	293	1790	85500	8.5500002	0.17900001
TCDH048	293	294	681	69700	6.9699998	6.81E-02
TCDH048	294	295	2670	51700	5.1700001	0.26699999
TCDH048	295	296	7270	44800	4.48	0.727
TCDH048	296	297	17300	43100	4.3099999	1.73
TCDH048	297	298	2030	46600	4.6599998	0.20299999
TCDH048	298	299	817	25900	2.5899999	8.17E-02
TCDH048	299	300	976	30800	3.0799999	9.76E-02
TCDH048	300	301	3130	16800	1.6799999	0.31299999
TCDH048	301	302	2240	11200	1.12	0.22400001
TCDH048	302	303	658	4340	0.43399999	6.58E-02
TCDH048	303	304	353	1710	0.171	3.53E-02
TCDH048	304	305	562	680	6.80E-02	5.62E-02
TCDH048	305	306	509	190	1.90E-02	5.09E-02
TCDH048	306	307	697	5270	0.52700001	6.97E-02
TCDH048	307	308	1340	8460	0.84600002	0.134
TCDH048	308	309	1900	20800	2.0799999	0.19
TCDH048	309	310	84	5240	0.52399999	8.40E-03
TCDH048	310	311	118	10100	1.01	0.0118
TCDH048	311	312	483	13700	1.37	4.83E-02
TCDH048	312	313	131	2830	0.28299999	0.0131
TCDH048	313	314	233	6540	0.65399998	0.0233
TCDH048	314	315	256	7090	0.70899999	2.56E-02
TCDH048	315	316	1320	4360	0.43599999	0.132
TCDH048	316	317	1310	1680	0.168	0.131
TCDH048	317	318	81	970	9.70E-02	8.10E-03
TCDH048	318	319	80	1240	0.124	8.00E-03
TCDH048	319	320	92	940	9.40E-02	9.20E-03
TCDH048	320	321	106	1440	0.14399999	0.0106
TCDH048	321	322	591	3380	0.338	5.91E-02
TCDH048	322	323	122	2260	0.226	0.0122
TCDH048	323	324	86	3180	0.31799999	8.60E-03
TCDH048	324	325	90	5420	0.542	9.00E-03
TCDH048	325	326	102	5450	0.54500002	0.0102
TCDH048	326	327	58	5010	0.50099999	5.80E-03
TCDH048	327	328	36	330	0.033	3.60E-03
TCDH048	328	329	23	310	3.10E-02	2.30E-03
TCDH048	329	330	745	730	7.30E-02	7.45E-02
TCDH048	330	331	208	1650	0.16500001	0.0208

TCDH048	331	332	24	870	8.70E-02	2.40E-03
TCDH048	332	333	55	1790	0.17900001	0.0055
TCDH048	333	334	182	6810	0.68099999	1.82E-02
TCDH048	334	335	54	2140	0.214	5.40E-03
TCDH048	335	336	50	2320	0.23199999	5.00E-03
TCDH048	336	337	61	8810	0.88099998	6.10E-03
TCDH048	337	338	38	8810	0.88099998	3.80E-03
TCDH048	338	339	37	5130	0.51300001	0.0037
TCDH048	339	340	255	1920	0.192	0.0255
TCDH048	340	341	141	2100	0.20999999	0.0141
TCDH048	341	342	90	2500	0.25	9.00E-03
TCDH048	342	343	204	4630	0.463	2.04E-02
TCDH048	343	344	110	1040	0.104	0.011
TCDH048	344	345	97	2610	0.26100001	9.70E-03
TCDH048	345	346	85	600	6.00E-02	8.50E-03
TCDH048	346	347	70	930	9.30E-02	7.00E-03
TCDH048	347	348	80	510	5.10E-02	8.00E-03
TCDH048	348	349	68	1610	0.161	6.80E-03
TCDH048	349	350	36	660	0.066	3.60E-03
TCDH048	350	351	32	860	8.60E-02	3.20E-03
TCDH048	351	352	30	1440	0.14399999	0.003
TCDH048	352	353	51	880	0.088	5.10E-03
TCDH048	353	354	34	370	0.037	0.0034
TCDH048	354	355	31	720	7.20E-02	3.10E-03
TCDH048	355	356	62	570	0.057	6.20E-03
TCDH048	356	357	171	740	7.40E-02	1.71E-02
TCDH048	357	358	82	420	4.20E-02	0.0082
TCDH048	358	360	36	50	5.00E-03	3.60E-03
TCDH048	360	362	32	20	2.00E-03	3.20E-03
TCDH048	362	364	26	-10	-0.001	0.0026
TCDH048	364	366	17	130	0.013	0.0017
TCDH048	366	368	20	50	5.00E-03	2.00E-03
TCDH048	368	370	20	-10	-0.001	2.00E-03
TCDH048	370	372	261	310	3.10E-02	0.0261
TCDH048	372	374	75	20	2.00E-03	7.50E-03
TCDH048	374	376	74	-10	-0.001	0.0074
TCDH048	376	378	101	30	0.003	0.0101
TCDH048	378	379	1390	2690	0.26899999	0.139
TCDH048	379	380	84	380	3.80E-02	8.40E-03
TCDH048	380	381	39	120	0.012	3.90E-03
TCDH048	381	382	79	290	2.90E-02	7.90E-03
TCDH048	382	383	81	60	6.00E-03	8.10E-03
TCDH048	383	384	64	50	5.00E-03	6.40E-03
TCDH048	384	385	50	40	4.00E-03	5.00E-03
TCDH048	385	386	117	20	2.00E-03	0.0117
TCDH048	386	387	398	70	7.00E-03	3.98E-02
TCDH048	387	388	545	190	1.90E-02	5.45E-02
TCDH048	388	389	605	50	5.00E-03	0.0605
TCDH048	389	390	328	100	1.00E-02	0.0328
TCDH048	390	391	650	310	3.10E-02	6.50E-02
TCDH048	391	392	685	130	0.013	6.85E-02
TCDH048	392	393	488	120	0.012	4.88E-02
TCDH048	393	394	460	50	5.00E-03	0.046
TCDH048	394	395	217	50	5.00E-03	0.0217
TCDH048	395	396	176	20	2.00E-03	0.0176
TCDH048	396	397	127	-10	-0.001	0.0127
TCDH048	397	398	173	20	2.00E-03	0.0173
TCDH048	398	399	201	20	2.00E-03	2.01E-02
TCDH048	399	400	543	120	0.012	5.43E-02
TCDH048	400	401	808	110	0.011	8.08E-02
TCDH048	401	402	643	330	0.033	6.43E-02
TCDH048	402	403	1380	1000	0.1	0.138
TCDH048	403	404	1190	530	5.30E-02	0.119

TCDH048	404	405	1120	20	2.00E-03	0.112
TCDH048	405	406	1200	280	2.80E-02	0.12
TCDH048	406	407	349	180	1.80E-02	3.49E-02
TCDH048	407	408	951	120	0.012	9.51E-02
TCDH048	408	409	591	160	1.60E-02	5.91E-02
TCDH048	409	410	311	20	2.00E-03	3.11E-02
TCDH048	410	411	181	20	2.00E-03	1.81E-02
TCDH048	411	412	145	20	2.00E-03	0.0145
TCDH048	412	413	124	40	4.00E-03	0.0124
TCDH048	413	414	141	20	2.00E-03	0.0141
TCDH048	414	415	189	20	2.00E-03	0.0189
TCDH048	415	416	70	70	7.00E-03	7.00E-03
TCDH048	416	417	101	-10	-0.001	0.0101
TCDH048	417	418	203	50	5.00E-03	2.03E-02
TCDH048	418	419	178	390	3.90E-02	0.0178
TCDH048	419	420	201	720	7.20E-02	2.01E-02
TCDH048	420	421	518	11500	1.15	5.18E-02
TCDH048	421	422	82	560	5.60E-02	0.0082
TCDH048	422	423	85	110	0.011	8.50E-03
TCDH048	423	424	66	160	1.60E-02	0.0066
TCDH048	424	425	93	80	8.00E-03	0.0093
TCDH048	425	426	340	520	5.20E-02	3.40E-02
TCDH048	426	427	724	450	4.50E-02	7.24E-02
TCDH048	427	428	442	280	2.80E-02	4.42E-02
TCDH048	428	429	1210	2030	0.20299999	0.121
TCDH048	429	430	619	3460	0.34599999	6.19E-02
TCDH048	430	431	244	760	7.60E-02	0.0244
TCDH048	431	432	260	2050	0.205	2.60E-02
TCDH048	432	433	344	2060	0.206	3.44E-02
TCDH048	433	434	31	10	0.001	3.10E-03
TCDH048	434	435	25	180	1.80E-02	2.50E-03
TCDH048	435	436	27	270	2.70E-02	2.70E-03
TCDH048	436	437	37	740	7.40E-02	0.0037
TCDH048	437	438	24	620	6.20E-02	2.40E-03
TCDH048	438	439	172	2840	0.28400001	1.72E-02
TCDH048	439	440	49	1420	0.142	4.90E-03
TCDH048	440	441	31	860	8.60E-02	3.10E-03
TCDH048	441	442	58	940	9.40E-02	5.80E-03
TCDH048	442	443	34	1300	0.13	0.0034
TCDH048	443	444	86	1110	0.111	8.60E-03
TCDH048	444	445	485	4150	0.41499999	4.85E-02
TCDH048	445	446	227	4940	0.49399999	2.27E-02
TCDH048	446	447	11100	10700	1.0700001	1.11
TCDH048	447	448	175	3110	0.31099999	0.0175
TCDH048	448	449	136	1440	0.14399999	0.0136
TCDH048	449	450	21	790	7.90E-02	2.10E-03
TCDH048	450	451	33	310	3.10E-02	0.0033
TCDH048	451	452	72	1210	0.121	7.20E-03
TCDH048	452	453	66	1130	0.113	0.0066
TCDH048	453	454	28	690	6.90E-02	2.80E-03
TCDH048	454	455	32	810	0.081	3.20E-03
TCDH048	455	456	38	320	3.20E-02	3.80E-03
TCDH048	456	457	18	730	7.30E-02	0.0018
TCDH048	457	458	46	310	3.10E-02	4.60E-03
TCDH048	458	459	2210	2380	0.23800001	0.221
TCDH048	459	460	238	460	0.046	2.38E-02
TCDH048	460	461	824	2680	0.26800001	8.24E-02
TCDH048	461	462	106	560	5.60E-02	0.0106
TCDH048	462	463	151	300	3.00E-02	0.0151
TCDH048	463	464	115	220	0.022	0.0115
TCDH048	464	465	97	480	0.048	9.70E-03
TCDH048	465	466	80	190	1.90E-02	8.00E-03
TCDH048	466	467	84	100	1.00E-02	8.40E-03

TCDH048	467	468	91	210	0.021	9.10E-03
TCDH048	468	469	129	360	3.60E-02	0.0129
TCDH048	469	470	116	860	8.60E-02	0.0116
TCDH048	470	471	212	490	4.90E-02	2.12E-02
TCDH048	471	472	97	100	1.00E-02	9.70E-03
TCDH048	472	473	133	230	0.023	0.0133
TCDH048	473	474	107	420	4.20E-02	0.0107
TCDH049	0	1	2230	141000	14.1	0.223
TCDH049	1	2	1930	174000	17.4	0.193
TCDH049	2	3	2800	264000	26.4	0.28
TCDH049	3	4	3440	210000	21	0.34400001
TCDH049	4	6	3010	231000	23.1	0.301
TCDH049	6	7	4220	124000	12.4	0.42199999
TCDH049	7	8	10200	123000	12.3	1.02
TCDH049	8	9	848	21400	2.1400001	8.48E-02
TCDH049	9	10	728	25400	2.54	7.28E-02
TCDH049	10	12	676	30100	3.01	6.76E-02
TCDH049	12	13	1760	16100	1.61	0.176
TCDH049	13	14	3330	25300	2.53	0.333
TCDH049	14	15	2780	20100	2.01	0.278
TCDH049	15	16	19100	143000	14.3	1.91
TCDH049	16	17	6750	155000	15.5	0.67500001
TCDH049	17	18	10800	85800	8.5799999	1.08
TCDH049	18	19	7470	125000	12.5	0.74699998
TCDH049	19	20	4770	181000	18.1	0.477
TCDH049	20	21	1770	66400	6.6399999	0.177
TCDH049	21	22	1240	45700	4.5700002	0.124
TCDH049	22	24	1900	84300	8.4300003	0.19
TCDH049	24	28	3100	90300	9.0299997	0.31
TCDH049	28	29	2850	106000	10.6	0.285
TCDH049	29	30	1040	59500	5.9499998	0.104
TCDH049	30	32	1130	83400	8.3400002	0.113
TCDH049	32	33	418	57400	5.7399998	0.0418
TCDH049	33	34	295	27700	2.77	0.0295
TCDH049	34	36	546	34600	3.46	0.0546
TCDH049	36	37	1890	105000	10.5	0.189
TCDH049	37	38	279	66700	6.6700001	2.79E-02
TCDH049	38	40	388	73500	7.3499999	3.88E-02
TCDH049	43	45	1160	180000	18	0.116
TCDH049	45	46	1690	87700	8.7700005	0.169
TCDH049	46	47	2200	61500	6.1500001	0.22
TCDH049	47	48	4110	49700	4.9699998	0.41100001
TCDH049	48	49	3160	61500	6.1500001	0.31600001
TCDH049	49	50	1090	48800	4.8800001	0.109
TCDH049	50	52	53	8340	0.83399999	5.30E-03
TCDH049	52	54	53	9070	0.90700001	5.30E-03
TCDH049	54	55	688	150000	15	6.88E-02
TCDH049	55	56	1650	174000	17.4	0.16500001
TCDH049	56	57	1920	172000	17.200001	0.192
TCDH049	57	58	1750	271000	27.1	0.175
TCDH049	58	59	520	240000	24	5.20E-02
TCDH049	59	60	1990	53800	5.3800001	0.199
TCDH049	60	61	2430	66100	6.6100001	0.243
TCDH049	61	62	426	23400	2.3399999	4.26E-02
TCDH049	62	63	1200	86900	8.6899996	0.12
TCDH049	63	64	125	8310	0.83099997	0.0125
TCDH049	64	65	56	9940	0.99400002	5.60E-03
TCDH049	65	66	100	64700	6.4699998	1.00E-02
TCDH049	66	67	2820	90800	9.0799999	0.28200001
TCDH049	67	68	809	95100	9.5100002	8.09E-02
TCDH049	68	69	161	31600	3.1600001	1.61E-02
TCDH049	69	70	138	22900	2.29	0.0138
TCDH049	70	71	90	9740	0.97399998	9.00E-03

TCDH049	71	72	148	12500	1.25	0.0148
TCDH049	72	73	86	10400	1.04	8.60E-03
TCDH049	73	74	94	11400	1.14	9.40E-03
TCDH049	74	75	152	6040	0.60399997	0.0152
TCDH049	75	76	90	3260	0.32600001	9.00E-03
TCDH049	76	77	362	34800	3.48	3.62E-02
TCDH049	77	78	356	51900	5.1900001	3.56E-02
TCDH049	78	79	366	36700	3.6700001	3.66E-02
TCDH049	79	80	443	28700	2.8699999	4.43E-02
TCDH049	80	81	194	23200	2.3199999	1.94E-02
TCDH049	81	82	124	15100	1.51	0.0124
TCDH049	82	83	250	12000	1.2	0.025
TCDH049	83	84	153	9770	0.977	0.0153
TCDH049	84	85	384	10100	1.01	3.84E-02
TCDH049	85	86	494	211000	21.1	4.94E-02
TCDH049	86	87	482	70400	7.04	0.0482
TCDH049	87	88	919	76600	7.6599998	9.19E-02
TCDH049	88	89	3560	82000	8.1999998	0.35600001
TCDH049	89	90	5160	92600	9.2600002	0.51599997
TCDH049	90	92	1730	109000	10.9	0.17299999
TCDH049	92	93	5420	69700	6.9699998	0.542
TCDH049	93	94	2830	78400	7.8400002	0.28299999
TCDH049	94	95	5630	131000	13.1	0.56300002
TCDH049	95	97	1820	199000	19.9	0.182
TCDH049	97	98	2560	218000	21.799999	0.25600001
TCDH049	98	99	386	27400	2.74	3.86E-02
TCDH049	99	100	390	10900	1.09	3.90E-02
TCDH049	100	101	129	13600	1.36	0.0129
TCDH049	101	102	180	20300	2.03	1.80E-02
TCDH049	102	103	120	7620	0.76200002	0.012
TCDH049	103	104	208	15600	1.5599999	0.0208
TCDH049	104	106	3320	33900	3.3900001	0.33199999
TCDH049	106	108	2810	42600	4.2600002	0.28099999
TCDH049	108	109	126	5300	0.52999997	0.0126
TCDH049	109	110	413	33100	3.3099999	4.13E-02
TCDH049	110	111	455	17800	1.78	4.55E-02
TCDH049	111	112	407	17700	1.77	0.0407
TCDH049	112	113	309	35500	3.55	0.0309
TCDH049	113	114	1440	30300	3.03	0.14399999
TCDH049	114	115	616	20900	2.0899999	0.0616
TCDH049	115	116	1500	34300	3.4300001	0.15000001
TCDH049	116	117	5410	54800	5.48	0.54100001
TCDH049	117	118	498	36500	3.6500001	4.98E-02
TCDH049	118	119	1670	22700	2.27	0.167
TCDH049	119	120	1770	24500	2.45	0.177
TCDH049	120	121	251	39200	3.9200001	0.0251
TCDH049	121	122	700	32100	3.21	0.07
TCDH049	122	123	8120	38200	3.8199999	0.81199998
TCDH049	123	124	2200	30100	3.01	0.22
TCDH049	124	125	418	14600	1.46	0.0418
TCDH049	125	126	663	23500	2.3499999	6.63E-02
TCDH049	126	127	621	39300	3.9300001	6.21E-02
TCDH049	127	128	734	27500	2.75	7.34E-02
TCDH049	128	129	6100	29600	2.96	0.61000001
TCDH049	129	130	728	13800	1.38	7.28E-02
TCDH049	130	131	869	23900	2.3900001	8.69E-02
TCDH049	131	132	1460	36800	3.6800001	0.146
TCDH049	132	133	511	10800	1.08	5.11E-02
TCDH049	133	134	470	19500	1.95	4.70E-02
TCDH049	134	135	106	18800	1.88	0.0106
TCDH049	135	136	77	12500	1.25	0.0077
TCDH049	136	137	35	20700	2.0699999	3.50E-03
TCDH049	137	138	34	29500	2.95	0.0034

TCDH049	138	139	215	39100	3.9100001	2.15E-02
TCDH049	139	140	88	43300	4.3299999	0.0088
TCDH049	140	141	49	36300	3.6300001	4.90E-03
TCDH049	141	142	38	51800	5.1799998	3.80E-03
TCDH049	142	143	37	55200	5.52	0.0037
TCDH049	143	144	382	25600	2.5599999	3.82E-02
TCDH049	144	145	2830	34500	3.45	0.28299999
TCDH049	145	146	2080	48100	4.8099999	0.208
TCDH049	146	147	386	37400	3.74	3.86E-02
TCDH049	147	148	2160	49400	4.9400001	0.21600001
TCDH049	148	149	40	8640	0.86400002	4.00E-03
TCDH049	149	150	5550	21200	2.1199999	0.55500001
TCDH049	150	151	1860	26700	2.6700001	0.186
TCDH049	151	152	436	39600	3.96	0.0436
TCDH049	152	153	58	55300	5.5300002	5.80E-03
TCDH049	153	154	1050	74600	7.46	0.105
TCDH049	154	155	261	49600	4.96	0.0261
TCDH049	155	156	75	23500	2.3499999	7.50E-03
TCDH049	156	157	36	21000	2.0999999	3.60E-03
TCDH049	157	158	141	6570	0.65700001	0.0141
TCDH049	158	159	2460	32000	3.2	0.24600001
TCDH049	159	160	11700	77400	7.7399998	1.17
TCDH049	160	161	753	38800	3.8800001	7.53E-02
TCDH049	161	162	3610	37800	3.78	0.361
TCDH049	162	163	8530	75500	7.5500002	0.85299999
TCDH049	163	164	5080	75500	7.5500002	0.50800002
TCDH049	164	165	8990	118000	11.8	0.89899999
TCDH049	165	166	9130	128000	12.8	0.91299999
TCDH049	166	167	5130	116000	11.6	0.51300001
TCDH049	167	168	6900	107000	10.7	0.69
TCDH049	168	169	3750	95900	9.5900002	0.375
TCDH049	169	170	1970	71700	7.1700001	0.197
TCDH049	170	171	394	66100	6.6100001	0.0394
TCDH049	171	172	519	75800	7.5799999	5.19E-02
TCDH049	172	173	46	22700	2.27	4.60E-03
TCDH049	173	174	128	17700	1.77	0.0128
TCDH049	174	175	45	25300	2.53	4.50E-03
TCDH049	175	176	405	53300	5.3299999	0.0405
TCDH049	176	177	263	58900	5.8899999	0.0263
TCDH049	177	178	812	42300	4.23	8.12E-02
TCDH049	178	179	187	29400	2.9400001	0.0187
TCDH049	179	180	1200	36100	3.6099999	0.12
TCDH049	180	181	53	230	0.023	5.30E-03
TCDH049	181	182	41	40	4.00E-03	0.0041
TCDH049	182	183	28	-10	-0.001	2.80E-03
TCDH049	183	184	845	27400	2.74	0.0845
TCDH049	184	185	4910	53500	5.3499999	0.491
TCDH049	185	186	175	31400	3.1400001	0.0175
TCDH049	186	187	2390	46400	4.6399999	0.23899999
TCDH049	187	188	205	25500	2.55	2.05E-02
TCDH049	188	189	418	39000	3.9000001	0.0418
TCDH049	189	190	369	21100	2.1099999	3.69E-02
TCDH049	190	191	561	17400	1.74	0.0561
TCDH049	191	192	2740	27000	2.7	0.27399999
TCDH049	192	194	1100	10400	1.04	0.11
TCDH049	194	196	60	50	5.00E-03	6.00E-03
TCDH049	196	198	38	-10	-0.001	3.80E-03
TCDH049	198	200	36	30	0.003	3.60E-03
TCDH049	200	202	30	-10	-0.001	0.003
TCDH049	202	204	30	-10	-0.001	0.003
TCDH049	204	206	30	-10	-0.001	0.003
TCDH049	206	208	32	10	0.001	3.20E-03
TCDH049	208	210	38	-10	-0.001	3.80E-03

TCDH049	210	212	30	-10	-0.001	0.003
TCDH049	212	214	27	-10	-0.001	2.70E-03
TCDH049	214	216	19	-10	-0.001	0.0019
TCDH049	216	218	28	-10	-0.001	2.80E-03
TCDH049	218	220	26	-10	-0.001	0.0026
TCDH049	220	222	21	-10	-0.001	2.10E-03
TCDH049	222	224	14	-10	-0.001	0.0014
TCDH049	224	226	25	20	2.00E-03	2.50E-03
TCDH049	226	228	11	20	2.00E-03	0.0011
TCDH049	228	230	16	30	0.003	0.0016
TCDH049	230	232	17	140	0.014	0.0017
TCDH049	232	234	13	50	5.00E-03	0.0013
TCDH049	234	236	26	100	1.00E-02	0.0026
TCDH049	236	238	30	90	9.00E-03	0.003
TCDH049	238	240	44	230	0.023	0.0044
TCDH049	240	242	102	380	3.80E-02	0.0102
TCDH049	242	244	158	460	0.046	1.58E-02
TCDH049	244	246	128	370	0.037	0.0128
TCDH049	246	248	77	190	1.90E-02	0.0077
TCDH049	248	250	60	80	8.00E-03	6.00E-03
TCDH049	250	252	35	-10	-0.001	3.50E-03
TCDH049	252	254	20	-10	-0.001	2.00E-03
TCDH049	254	256	15	-10	-0.001	0.0015
TCDH049	256	258	10	-10	-0.001	0.001
TCDH049	258	260	12	10	0.001	1.20E-03
TCDH049	260	262	11	-10	-0.001	0.0011
TCDH049	262	264	16	80	8.00E-03	0.0016
TCDH049	264	266	13	40	4.00E-03	0.0013
TCDH049	266	268	14	20	2.00E-03	0.0014
TCDH049	268	270	16	-10	-0.001	0.0016
TCDH049	270	272	17	-10	-0.001	0.0017
TCDH049	272	274	16	-10	-0.001	0.0016
TCDH049	274	276	14	30	0.003	0.0014
TCDH049	276	278	18	40	4.00E-03	0.0018
TCDH049	278	280	36	30	0.003	3.60E-03
TCDH049	280	282	46	-10	-0.001	4.60E-03
TCDH049	282	284	39	-10	-0.001	3.90E-03
TCDH049	284	286	36	-10	-0.001	3.60E-03
TCDH049	286	288	33	-10	-0.001	0.0033
TCDH049	288	290	11	-10	-0.001	0.0011
TCDH049	290	292	9	-10	-0.001	9.00E-04
TCDH049	292	294	12	-10	-0.001	1.20E-03
TCDH049	294	296	4	-10	-0.001	4.00E-04
TCDH049	296	298	8	-10	-0.001	8.00E-04
TCDH049	298	300	12	10	0.001	1.20E-03
TCDH049	300	302	19	20	2.00E-03	0.0019
TCDH049	302	304	21	20	2.00E-03	2.10E-03
TCDH049	304	306	73	-10	-0.001	7.30E-03
TCDH049	306	308	128	-10	-0.001	0.0128
TCDH049	308	310	145	-10	-0.001	0.0145
TCDH049	310	312	171	30	0.003	1.71E-02
TCDH049	312	314	164	130	0.013	0.0164
TCDH049	314	316	173	110	0.011	0.0173
TCDH049	316	318	195	810	0.081	0.0195
TCDH049	318	320	195	1590	0.15899999	0.0195
TCDH049	320	322	167	1920	0.192	0.0167
TCDH049	322	322.60001	145	840	8.40E-02	0.0145
TCDH050	0	1	855	60600	6.0599999	8.55E-02
TCDH050	1	2	1260	176000	17.6	0.126
TCDH050	2	3	4450	285000	28.5	0.44499999
TCDH050	3	4	3490	356000	35.599998	0.34900001
TCDH050	6	8	3550	200000	20	0.35499999
TCDH050	14	15	5630	166000	16.6	0.56300002

TCDH050	15	16	778	124000	12.4	7.78E-02
TCDH050	16	17	554	102000	10.2	5.54E-02
TCDH050	17	18	211	134000	13.4	0.0211
TCDH050	18	19	92	20800	2.0799999	9.20E-03
TCDH050	19	20	158	7690	0.76899999	1.58E-02
TCDH050	20	21	7120	79200	7.9200001	0.71200001
TCDH050	21	22	3650	31800	3.1800001	0.36500001
TCDH050	22	23	6170	35000	3.5	0.61699998
TCDH050	23	24	1210	32500	3.25	0.121
TCDH050	24	26	2100	15000	1.5	0.20999999
TCDH050	26	27	1810	48900	4.8899999	0.18099999
TCDH050	27	28	1700	106000	10.6	0.17
TCDH050	28	29	569	42200	4.2199998	5.69E-02
TCDH050	29	30	364	27200	2.72	3.64E-02
TCDH050	30	31	291	14900	1.49	2.91E-02
TCDH050	31	32	75	5780	0.57800001	7.50E-03
TCDH050	32	33	190	8760	0.87599999	1.90E-02
TCDH050	33	34	238	13200	1.3200001	2.38E-02
TCDH050	34	35	181	6680	0.66799998	1.81E-02
TCDH050	35	36	253	7430	0.74299997	0.0253
TCDH050	36	37	201	4190	0.419	2.01E-02
TCDH050	37	39	302	5270	0.52700001	3.02E-02
TCDH050	39	40	335	2930	0.29300001	3.35E-02
TCDH050	41	42	364	2830	0.28299999	3.64E-02
TCDH050	42	44	271	1500	0.15000001	2.71E-02
TCDH050	45	46	2640	4970	0.49700001	0.264
TCDH050	47	49	570	5630	0.56300002	0.057
TCDH050	49	51	570	3420	0.34200001	0.057
TCDH050	51	53	675	5880	0.588	6.75E-02
TCDH050	53	55	309	1550	0.155	0.0309
TCDH050	55	57	697	1850	0.185	6.97E-02
TCDH050	57	58	566	4040	0.40400001	5.66E-02
TCDH050	58	59	573	5410	0.54100001	5.73E-02
TCDH050	59	60	1300	3840	0.384	0.13
TCDH050	60	61	574	3790	0.37900001	5.74E-02
TCDH050	61	62	796	4720	0.472	7.96E-02
TCDH050	62	63	7120	35900	3.5899999	0.71200001
TCDH050	63	64	1090	5460	0.546	0.109
TCDH050	64	65	845	5070	0.50700003	0.0845
TCDH050	65	66	311	13200	1.3200001	3.11E-02
TCDH050	66	67	249	12100	1.21	2.49E-02
TCDH050	67	68	577	23800	2.3800001	5.77E-02
TCDH050	69	70	262	15600	1.5599999	0.0262
TCDH050	70	71	267	24300	2.4300001	2.67E-02
TCDH050	71	72	146	21300	2.1300001	0.0146
TCDH050	72	73	454	74300	7.4299998	4.54E-02
TCDH050	73	74	1850	24000	2.4000001	0.185
TCDH050	74	75	5480	25900	2.5899999	0.54799998
TCDH050	75	76	1820	15000	1.5	0.182
TCDH050	76	77	2250	10700	1.0700001	0.22499999
TCDH050	77	78	3090	9050	0.90499997	0.30899999
TCDH050	84	85	810	16600	1.66	0.081
TCDH050	85	86	385	14800	1.48	0.0385
TCDH050	86	87	1140	20400	2.04	0.114
TCDH050	89	90	138	6760	0.676	0.0138
TCDH050	90	91	566	8210	0.82099998	5.66E-02
TCDH050	91	92	283	42900	4.29	0.0283
TCDH050	92	93	29	140	0.014	0.0029
TCDH050	93	94	89	5630	0.56300002	8.90E-03
TCDH050	94	95	304	61600	6.1599998	3.04E-02
TCDH050	96	97	2900	210000	21	0.28999999
TCDH050	97	98	8050	352000	35.200001	0.80500001
TCDH050	98	99	2500	84200	8.4200001	0.25

TCDH050	99	101	558	119000	11.9	5.58E-02
TCDH050	102	104	2410	378000	37.799999	0.241
TCDH050	105	106	826	22200	2.22	8.26E-02
TCDH050	107	108	930	9600	0.95999998	9.30E-02
TCDH050	108	110	753	19400	1.9400001	7.53E-02
TCDH050	110	111	979	42500	4.25	9.79E-02
TCDH050	111	112	376	12100	1.21	3.76E-02
TCDH050	112	113	636	9840	0.98400003	6.36E-02
TCDH050	113	115	525	6710	0.671	5.25E-02
TCDH050	115	116	1190	9320	0.93199998	0.119
TCDH050	116	117	773	6620	0.662	7.73E-02
TCDH050	117	118	1290	64900	6.4899998	0.12899999
TCDH050	118	119	6590	155000	15.5	0.65899998
TCDH050	119	120	12500	18800	1.88	1.25
TCDH050	120	121	21700	68000	6.8000002	2.1700001
TCDH050	122	123	396	240	0.024	0.0396
TCDH050	123	124	1820	350	0.035	0.182
TCDH050	124	125	308	180	1.80E-02	0.0308
TCDH050	125	126	5380	1470	0.147	0.53799999
TCDH050	126	127	1830	22900	2.29	0.183
TCDH050	127	128	201	4990	0.49900001	2.01E-02
TCDH050	128	129	56	15100	1.51	5.60E-03
TCDH050	130	131	3470	26100	2.6099999	0.347
TCDH050	131	132	67	28300	2.8299999	6.70E-03
TCDH050	132	133	53	18300	1.83	5.30E-03
TCDH050	133	134	99	19800	1.98	9.90E-03
TCDH050	134	135	286	45900	4.5900002	0.0286
TCDH050	135	136	552	48000	4.8000002	5.52E-02
TCDH050	136	137	158	14000	1.4	1.58E-02
TCDH050	137	138	4600	72700	7.27	0.46000001
TCDH050	138	139	2990	20700	2.0699999	0.29899999
TCDH050	139	140	8940	49300	4.9299998	0.89399999
TCDH050	140	141	1370	25400	2.54	0.13699999
TCDH050	141	142	8300	32800	3.28	0.82999998
TCDH050	142	143	5740	84700	8.4700003	0.574
TCDH050	143	144	296	50900	5.0900002	0.0296
TCDH050	144	145	1020	42000	4.1999998	0.102
TCDH050	145	146	102	41000	4.0999999	0.0102
TCDH050	146	147	958	54000	5.4000001	9.58E-02
TCDH050	147	148	227	32700	3.27	2.27E-02
TCDH050	148	149	116	26800	2.6800001	0.0116
TCDH050	149	150	186	36000	3.5999999	0.0186
TCDH050	150	151	230	36800	3.6800001	0.023
TCDH050	151	152	100	31100	3.1099999	1.00E-02
TCDH050	152	153	367	55400	5.54	3.67E-02
TCDH050	153	154	147	7500	0.75	0.0147
TCDH050	154	155	96	10800	1.08	9.60E-03
TCDH050	155	156	4620	89400	8.9399996	0.46200001
TCDH050	156	157	317	26300	2.6300001	0.0317
TCDH050	157	158	3280	60800	6.0799999	0.32800001
TCDH050	158	159	283	57300	5.73	0.0283
TCDH050	159	160	143	31400	3.1400001	0.0143
TCDH050	160	161	225	22600	2.26	2.25E-02
TCDH050	161	162	717	48500	4.8499999	7.17E-02
TCDH050	162	163	2870	28300	2.8299999	0.287
TCDH050	163	164	1720	33700	3.3699999	0.17200001
TCDH050	164	165	1320	8380	0.838	0.132
TCDH050	165	166	955	28100	2.8099999	0.0955
TCDH050	166	167	569	22700	2.27	5.69E-02
TCDH050	167	168	136	18900	1.89	0.0136
TCDH050	168	169	561	23500	2.3499999	0.0561
TCDH050	169	170	500	66200	6.6199999	5.00E-02
TCDH050	170	171	534	42500	4.25	5.34E-02

TCDH050	171	172	2370	44800	4.48	0.237
TCDH050	172	173	1590	78400	7.8400002	0.15899999
TCDH050	173	174	336	28100	2.8099999	3.36E-02
TCDH050	174	175	1030	46400	4.6399999	0.103
TCDH050	175	176	732	61100	6.1100001	7.32E-02
TCDH050	176	177	612	33400	3.3399999	0.0612
TCDH050	177	178	408	43700	4.3699999	4.08E-02
TCDH050	178	179	523	32400	3.24	5.23E-02
TCDH050	179	180	516	53300	5.3299999	5.16E-02
TCDH050	180	181	1370	21000	2.0999999	0.13699999
TCDH050	181	182	528	24200	2.4200001	0.0528
TCDH050	182	183	498	16900	1.6900001	4.98E-02
TCDH050	183	184	503	16500	1.65	5.03E-02
TCDH050	184	185	772	54700	5.4699998	7.72E-02
TCDH050	185	186	121	45900	4.5900002	0.0121
TCDH050	186	187	174	53000	5.3000002	0.0174
TCDH050	187	188	283	6080	0.60799998	0.0283
TCDH050	188	189	281	46300	4.6300001	2.81E-02
TCDH050	189	190	3090	34300	3.4300001	0.30899999
TCDH050	190	191	103	15800	1.58	0.0103
TCDH050	191	192	1280	17300	1.73	0.12800001
TCDH050	192	193	101	40900	4.0900002	0.0101
TCDH050	193	194	283	38200	3.8199999	0.0283
TCDH050	194	195	210	56400	5.6399999	0.021
TCDH050	195	196	211	40300	4.0300002	0.0211
TCDH050	196	197	2820	70400	7.04	0.28200001
TCDH050	197	198	98	57100	5.71	9.80E-03
TCDH050	198	199	107	16900	1.6900001	0.0107
TCDH050	199	200	3510	30300	3.03	0.35100001
TCDH050	200	201	404	32700	3.27	4.04E-02
TCDH050	201	202	455	27500	2.75	4.55E-02
TCDH050	202	203	2290	18200	1.8200001	0.229
TCDH050	203	204	580	10400	1.04	5.80E-02
TCDH050	204	205	711	9030	0.903	7.11E-02
TCDH050	205	206	1540	7640	0.764	0.154
TCDH050	206	207	3570	4940	0.49399999	0.35699999
TCDH050	207	208	3500	5380	0.53799999	0.34999999
TCDH050	208	209	821	6920	0.69199997	8.21E-02
TCDH050	209	210	1210	10100	1.01	0.121
TCDH050	210	211	399	30300	3.03	3.99E-02
TCDH050	211	212	549	24000	2.4000001	5.49E-02
TCDH050	212	213	41	25600	2.5599999	0.0041
TCDH050	213	214	80	51700	5.1700001	8.00E-03
TCDH050	214	215	125	33000	3.3	0.0125
TCDH050	215	216	10200	25500	2.55	1.02
TCDH050	216	217	898	53600	5.3600001	0.0898
TCDH050	217	218	373	46500	4.6500001	3.73E-02
TCDH050	218	219	180	18200	1.8200001	1.80E-02
TCDH050	219	220	7330	12800	1.28	0.73299998
TCDH050	220	221	7550	10300	1.03	0.755
TCDH050	221	222	7510	13300	1.33	0.75099999
TCDH050	222	223	5060	15100	1.51	0.50599998
TCDH050	223	224	17300	16300	1.63	1.73
TCDH050	224	225	2880	6970	0.69700003	0.28799999
TCDH050	225	226	7660	19800	1.98	0.76599997
TCDH050	226	227	1250	10800	1.08	0.125
TCDH050	227	228	3440	7060	0.70599997	0.34400001
TCDH050	228	229	9970	8410	0.84100002	0.99699998
TCDH050	229	230	5290	9340	0.93400002	0.52899998
TCDH050	230	231	5880	6900	0.69	0.588
TCDH050	231	232	4360	8380	0.838	0.43599999
TCDH050	232	233	3030	7020	0.70200002	0.303
TCDH050	233	234	4590	9840	0.98400003	0.45899999

TCDH050	234	235	5320	11800	1.1799999	0.53200001
TCDH050	235	236	2970	17000	1.7	0.29699999
TCDH050	236	237	13700	36400	3.6400001	1.37
TCDH050	237	238	6880	39100	3.9100001	0.68800002
TCDH050	238	239	11700	17000	1.7	1.17
TCDH050	239	240	4270	9070	0.90700001	0.42699999
TCDH050	240	241	5000	6890	0.68900001	0.5
TCDH050	241	242	3600	7830	0.78299999	0.36000001
TCDH050	242	243	3240	2770	0.27700001	0.324
TCDH050	243	244	2550	4590	0.45899999	0.255
TCDH050	244	245	2160	4610	0.461	0.21600001
TCDH050	245	246	4420	11100	1.11	0.442
TCDH050	246	247	14000	22900	2.29	1.4
TCDH050	247	248	2960	12500	1.25	0.296
TCDH050	248	249	467	6980	0.69800001	4.67E-02
TCDH050	249	250	308	7970	0.79699999	0.0308
TCDH050	250	251	206	4770	0.477	0.0206
TCDH050	251	252	425	5880	0.588	0.0425
TCDH050	252	253	127	280	2.80E-02	0.0127
TCDH050	253	254	2370	7960	0.796	0.237
TCDH050	254	256	5540	14200	1.42	0.55400002
TCDH050	256	258	60	360	3.60E-02	6.00E-03
TCDH050	258	260	28	150	0.015	2.80E-03
TCDH050	260	262	208	-10	-0.001	0.0208
TCDH050	262	264	88	440	0.044	0.0088
TCDH050	264	266	151	40	4.00E-03	0.0151
TCDH050	266	268	225	20	2.00E-03	2.25E-02
TCDH050	268	270	151	120	0.012	0.0151
TCDH050	270	272	233	100	1.00E-02	0.0233
TCDH050	272	274	238	330	0.033	2.38E-02
TCDH050	274	276	126	930	9.30E-02	0.0126
TCDH050	276	278	35	760	7.60E-02	3.50E-03
TCDH050	278	280	191	1640	0.164	1.91E-02
TCDH050	280	282	116	550	0.055	0.0116
TCDH050	282	284	75	340	3.40E-02	7.50E-03
TCDH050	284	286	109	220	0.022	0.0109
TCDH050	286	288	156	350	0.035	0.0156
TCDH050	288	289	1420	3550	0.35499999	0.142
TCDH050	289	290	673	3800	0.38	6.73E-02
TCDH050	290	291	806	3950	0.39500001	8.06E-02
TCDH050	291	292	199	4120	0.412	0.0199
TCDH050	292	293	270	4050	0.405	2.70E-02
TCDH050	293	294	39	1400	0.14	3.90E-03
TCDH050	294	295	54	1340	0.134	5.40E-03
TCDH050	295	296	53	2400	0.23999999	5.30E-03
TCDH050	296	297	109	4640	0.46399999	0.0109
TCDH050	297	298	91	6670	0.667	9.10E-03
TCDH050	298	299	92	7950	0.79500002	9.20E-03
TCDH050	299	300	202	3390	0.33899999	2.02E-02
TCDH050	300	301	157	5480	0.54799998	1.57E-02
TCDH050	301	302	63	1610	0.161	0.0063
TCDH050	302	303	106	1760	0.176	0.0106
TCDH050	303	304	50	1190	0.119	5.00E-03
TCDH050	304	305	45	1640	0.164	4.50E-03
TCDH050	305	306	54	1590	0.15899999	5.40E-03
TCDH050	306	307	109	740	7.40E-02	0.0109
TCDH050	307	308	110	610	6.10E-02	0.011
TCDH050	308	309	152	60	6.00E-03	0.0152
TCDH050	309	310	190	40	4.00E-03	1.90E-02
TCDH050	310	311	223	60	6.00E-03	2.23E-02
TCDH050	311	312	138	50	5.00E-03	0.0138
TCDH050	312	313	151	50	5.00E-03	0.0151
TCDH050	313	314	208	50	5.00E-03	0.0208

TCDH050	314	315	115	50	5.00E-03	0.0115
TCDH050	315	316	100	120	0.012	1.00E-02
TCDH050	316	317	100	780	7.80E-02	1.00E-02
TCDH050	317	318	41	410	4.10E-02	0.0041
TCDH050	318	319	39	40	4.00E-03	3.90E-03
TCDH050	319	320	140	50	5.00E-03	0.014
TCDH050	320	321	157	50	5.00E-03	1.57E-02
TCDH050	321	322	172	40	4.00E-03	1.72E-02
TCDH050	322	323	226	50	5.00E-03	2.26E-02
TCDH050	323	324	376	50	5.00E-03	3.76E-02
TCDH050	324	325	119	30	0.003	0.0119
TCDH050	325	326	232	130	0.013	0.0232
TCDH050	326	327	545	60	6.00E-03	5.45E-02
TCDH050	327	328	817	90	9.00E-03	8.17E-02
TCDH050	328	329	353	3000	0.30000001	3.53E-02
TCDH050	329	330	70	4050	0.405	7.00E-03
TCDH050	330	331	103	9240	0.92400002	0.0103
TCDH050	331	332	96	8260	0.82599998	9.60E-03
TCDH050	332	333	84	3720	0.37200001	8.40E-03
TCDH050	333	334	104	3040	0.30399999	0.0104
TCDH050	334	335	67	4830	0.48300001	6.70E-03
TCDH050	335	337	148	570	0.057	0.0148
TCDH050	337	339	80	-10	-0.001	8.00E-03
TCDH050	339	341	38	590	0.059	3.80E-03
TCDH050	341	343	45	2850	0.285	4.50E-03
TCDH050	343	345	47	1780	0.178	4.70E-03
TCDH050	345	347	70	590	0.059	7.00E-03
TCDH050	347	349	30	380	3.80E-02	0.003
TCDH050	349	351	74	450	4.50E-02	0.0074
TCDH050	351	353	36	210	0.021	3.60E-03
TCDH050	353	354	114	3180	0.31799999	0.0114
TCDH050	354	355	189	4740	0.47400001	0.0189
TCDH050	355	356	58	4490	0.449	5.80E-03
TCDH050	356	357	174	6060	0.60600001	0.0174
TCDH050	357	358	41	4980	0.498	0.0041
TCDH050	358	359	34	5840	0.58399999	0.0034
TCDH050	359	360	20	2700	0.27000001	2.00E-03
TCDH050	360	361	37	1720	0.17200001	0.0037
TCDH050	361	362	31	2800	0.28	3.10E-03
TCDH050	362	363	30	3150	0.315	0.003
TCDH050	363	364	73	4970	0.49700001	7.30E-03
TCDH050	364	365	867	4910	0.491	0.0867
TCDH050	365	367	509	170	1.70E-02	5.09E-02
TCDH050	367	369	896	1920	0.192	8.96E-02
TCDH050	369	371	1080	3610	0.361	0.108
TCDH050	371	373	293	560	5.60E-02	2.93E-02
TCDH050	373	375	233	120	0.012	0.0233
TCDH050	375	377	923	380	3.80E-02	9.23E-02
TCDH050	377	379	136	-10	-0.001	0.0136
TCDH050	379	381	186	10	0.001	0.0186
TCDH050	381	383	171	40	4.00E-03	1.71E-02
TCDH050	383	385	141	70	7.00E-03	0.0141
TCDH050	385	387	156	60	6.00E-03	0.0156
TCDH050	387	389	324	170	1.70E-02	3.24E-02
TCDH050	389	390	278	1470	0.147	2.78E-02
TCDH050	129	130	2780	29600	2.96	0.278
TCDH054	0	1	179	1680	0.168	1.79E-02
TCDH054	1	2	103	1290	0.12899999	0.0103
TCDH054	2	3	143	14600	1.46	0.0143
TCDH054	3	4	88	19200	1.92	0.0088
TCDH054	4	5	345	199000	19.9	3.45E-02
TCDH054	5	6	571	162000	16.200001	5.71E-02
TCDH054	6	7	7480	285000	28.5	0.74800003

TCDH054	7	8	568	148000	14.8	0.0568
TCDH054	8	9	1120	177000	17.700001	0.112
TCDH054	9	10	18100	325000	32.5	1.8099999
TCDH054	10	11	213	1960	0.19599999	2.13E-02
TCDH054	11	12	369	7140	0.71399999	3.69E-02
TCDH054	12	13	331	3930	0.39300001	3.31E-02
TCDH054	13	14	590	33700	3.3699999	0.059
TCDH054	14	15	251	23500	2.3499999	0.0251
TCDH054	15	16	95	30200	3.02	9.50E-03
TCDH054	16	17	119	17700	1.77	0.0119
TCDH054	17	18	95	35300	3.53	9.50E-03
TCDH054	18	19	20	31900	3.1900001	2.00E-03
TCDH054	19	20	25	79400	7.9400001	2.50E-03
TCDH054	20	21	39	50900	5.0900002	3.90E-03
TCDH054	21	22	37	146000	14.6	0.0037
TCDH054	22	23	123	121000	12.1	0.0123
TCDH054	23	24	23	62600	6.2600002	2.30E-03
TCDH054	24	26	74	70600	7.0599999	0.0074
TCDH054	26	28	118	64900	6.4899998	0.0118
TCDH054	28	30	347	105000	10.5	3.47E-02
TCDH054	30	32	940	62800	6.2800002	9.40E-02
TCDH054	32	34	4650	58300	5.8299999	0.465
TCDH054	34	36	1830	20800	2.0799999	0.183
TCDH054	36	38	413	7090	0.70899999	4.13E-02
TCDH054	38	40	263	1550	0.155	0.0263
TCDH054	40	42	252	2210	0.221	0.0252
TCDH054	42	44	268	2520	0.252	2.68E-02
TCDH054	44	46	378	3220	0.322	3.78E-02
TCDH054	46	48	609	5820	0.58200002	6.09E-02
TCDH054	48	50	3380	29100	2.9100001	0.338
TCDH054	50	53	5050	11700	1.17	0.505
TCDH054	53	55	13400	30300	3.03	1.34
TCDH054	55	57	7130	15000	1.5	0.713
TCDH054	57	59	3840	5280	0.528	0.384
TCDH054	59	61	1700	2760	0.27599999	0.17
TCDH054	61	63	792	9340	0.93400002	0.0792
TCDH054	63	65	4880	7930	0.79299998	0.48800001
TCDH054	65	67	13300	25200	2.52	1.33
TCDH054	67	69	23100	44800	4.48	2.3099999
TCDH054	69	71	14500	37300	3.73	1.45
TCDH054	71	72	6180	37400	3.74	0.61799997
TCDH054	72	73	12200	85500	8.5500002	1.22
TCDH054	73	74	37800	84200	8.4200001	3.78
TCDH054	74	75	10100	26100	2.6099999	1.01
TCDH054	75	76	2750	10500	1.05	0.27500001
TCDH054	76	77	7130	28100	2.8099999	0.713
TCDH054	77	78	25500	29200	2.9200001	2.55
TCDH054	78	79	8580	24400	2.4400001	0.85799998
TCDH054	79	80	22500	98700	9.8699999	2.25
TCDH054	80	81	4230	15500	1.55	0.42300001
TCDH054	81	82	7660	49100	4.9099998	0.76599997
TCDH054	82	83	6330	24100	2.4100001	0.63300002
TCDH054	83	84	8450	139000	13.9	0.84500003
TCDH054	84	85	5580	83900	8.3900003	0.55800003
TCDH054	85	86	2020	44900	4.4899998	0.20200001
TCDH054	86	87	1580	110000	11	0.15800001
TCDH054	87	88	504	32400	3.24	0.0504
TCDH054	88	89	2060	59400	5.9400001	0.206
TCDH054	89	90	399	8040	0.80400002	3.99E-02
TCDH054	90	91	1440	14200	1.42	0.14399999
TCDH054	91	92	614	600	6.00E-02	0.0614
TCDH054	92	93	217	490	4.90E-02	0.0217
TCDH054	93	94	260	580	5.80E-02	2.60E-02

TCDH054	94	95	255	24800	2.48	0.0255
TCDH054	95	96	682	34500	3.45	0.0682
TCDH054	96	97	1420	87500	8.75	0.142
TCDH054	97	98	723	29700	2.97	7.23E-02
TCDH054	99	100	2830	54200	5.4200001	0.28299999
TCDH054	100	101	6210	57400	5.7399998	0.62099999
TCDH054	101	102	1630	23400	2.3399999	0.163
TCDH054	102	103	230	26900	2.6900001	0.023
TCDH054	103	104	148	23900	2.3900001	0.0148
TCDH054	104	105	1020	60600	6.0599999	0.102
TCDH054	105	106	383	34100	3.4100001	0.0383
TCDH054	106	107	127	6750	0.67500001	0.0127
TCDH054	107	108	217	20200	2.02	0.0217
TCDH054	108	109	140	7030	0.70300001	0.014
TCDH054	109	110	134	16600	1.66	0.0134
TCDH054	110	111	360	5020	0.50199997	3.60E-02
TCDH054	111	112	184	5130	0.51300001	0.0184
TCDH054	112	113	974	13800	1.38	9.74E-02
TCDH054	113	114	1400	14100	1.41	0.14
TCDH054	114	115	166	4400	0.44	0.0166
TCDH054	115	116	234	3630	0.36300001	2.34E-02
TCDH054	116	117	731	34600	3.46	7.31E-02
TCDH054	118	119	856	53700	5.3699999	8.56E-02
TCDH054	119	120	1350	50900	5.0900002	0.13500001
TCDH054	120	121	1930	46300	4.6300001	0.193
TCDH054	121	122	2880	41100	4.1100001	0.28799999
TCDH054	122	123	6440	18800	1.88	0.64399999
TCDH054	123	124	11200	18500	1.85	1.12
TCDH054	124	125	4490	18500	1.85	0.449
TCDH054	125	126	3590	31900	3.1900001	0.359
TCDH054	126	127	5280	29900	2.99	0.528
TCDH054	127	128	1360	21600	2.1600001	0.13600001
TCDH054	128	129	603	14400	1.4400001	0.0603
TCDH054	129	130	585	3030	0.303	5.85E-02
TCDH054	130	131	553	3740	0.37400001	5.53E-02
TCDH054	131	132	726	8110	0.81099999	0.0726
TCDH054	132	133	362	7170	0.71700001	3.62E-02
TCDH054	133	134	69	3360	0.336	6.90E-03
TCDH054	134	135	29	3290	0.329	0.0029
TCDH054	135	136	110	2890	0.289	0.011
TCDH054	136	137	40	2870	0.287	4.00E-03
TCDH054	137	138	63	5020	0.50199997	0.0063
TCDH054	138	139	132	10700	1.0700001	0.0132
TCDH054	139	140	108	19500	1.95	0.0108
TCDH054	140	141	105	5240	0.52399999	0.0105
TCDH054	141	142	61	4560	0.456	6.10E-03
TCDH054	142	143	273	13500	1.35	0.0273
TCDH054	143	144	777	5200	0.51999998	7.77E-02
TCDH054	144	145	323	3710	0.37099999	3.23E-02
TCDH054	145	146	942	3010	0.301	0.0942
TCDH054	146	147	234	2580	0.25799999	2.34E-02
TCDH054	147	148	249	2200	0.22	2.49E-02
TCDH054	148	149	934	2470	0.24699999	9.34E-02
TCDH054	149	150	275	2620	0.26199999	0.0275
TCDH054	150	151	133	3540	0.354	0.0133
TCDH054	151	152	209	3210	0.32100001	0.0209
TCDH054	152	153	2190	3660	0.366	0.219
TCDH054	153	154	2010	2940	0.294	0.20100001
TCDH054	154	155	922	4930	0.493	9.22E-02
TCDH054	155	156	30	140	0.014	0.003
TCDH054	156	157	17	90	9.00E-03	0.0017
TCDH054	157	158	629	6500	0.64999998	6.29E-02
TCDH054	158	159	2110	6990	0.699	0.211

TCDH054	159	160	1800	1860	0.186	0.18000001
TCDH054	160	161	1030	60	6.00E-03	0.103
TCDH054	161	162	1280	280	2.80E-02	0.12800001
TCDH054	162	163	3520	19000	1.9	0.352
TCDH054	163	164	2530	39100	3.9100001	0.25299999
TCDH054	164	165	1370	3750	0.375	0.13699999
TCDH054	165	166	113	4090	0.40900001	0.0113
TCDH054	166	167	3270	2550	0.255	0.32699999
TCDH054	167	168	3760	2230	0.223	0.37599999
TCDH054	168	169	2980	1780	0.178	0.29800001
TCDH054	169	170	2140	3770	0.377	0.214
TCDH054	170	171	1390	2240	0.22400001	0.139
TCDH054	171	172	1150	2520	0.252	0.115
TCDH054	172	173	2250	4220	0.42199999	0.22499999
TCDH054	173	174	2210	3130	0.31299999	0.221
TCDH054	174	175	2250	2510	0.25099999	0.22499999
TCDH054	175	176	422	87700	8.7700005	4.22E-02
TCDH054	176	177	81	61400	6.1399999	8.10E-03
TCDH054	177	178	253	41300	4.1300001	0.0253
TCDH054	178	179	1920	32900	3.29	0.192
TCDH054	179	180	1260	22400	2.24	0.126
TCDH054	180	181	2620	27200	2.72	0.26199999
TCDH054	181	182	2620	32400	3.24	0.26199999
TCDH054	182	183	1820	15200	1.52	0.182
TCDH054	183	184	1380	26400	2.6400001	0.138
TCDH054	184	185	857	53000	5.3000002	8.57E-02
TCDH054	185	186	3570	23800	2.3800001	0.35699999
TCDH054	186	187	210	71500	7.1500001	0.021
TCDH054	187	188	2520	36200	3.6199999	0.252
TCDH054	188	189	2110	37000	3.7	0.211
TCDH054	189	190	1010	20100	2.01	0.101
TCDH054	190	191	3310	20600	2.0599999	0.331
TCDH054	191	192	2580	53700	5.3699999	0.25799999
TCDH054	192	193	4070	44700	4.4699998	0.40700001
TCDH054	193	194	83	21800	2.1800001	8.30E-03
TCDH054	194	195	419	13100	1.3099999	4.19E-02
TCDH054	195	196	210	17600	1.76	0.021
TCDH054	196	197	427	16200	1.62	0.0427
TCDH054	197	198	4520	42300	4.23	0.45199999
TCDH054	198	199	952	78600	7.8600001	9.52E-02
TCDH054	199	200	2520	66400	6.6399999	0.252
TCDH054	200	201	3390	38500	3.8499999	0.33899999
TCDH054	201	202	26	1920	0.192	0.0026
TCDH054	202	203	245	910	9.10E-02	2.45E-02
TCDH054	203	204	39	5920	0.59200001	3.90E-03
TCDH054	204	205	21	6380	0.63800001	2.10E-03
TCDH054	205	206	17	1980	0.198	0.0017
TCDH054	206	207	66	3960	0.396	0.0066
TCDH054	207	208	210	10200	1.02	0.021
TCDH054	208	209	79	14100	1.41	7.90E-03
TCDH054	209	210	39	3160	0.31600001	3.90E-03
TCDH054	210	211	41	6710	0.671	0.0041
TCDH054	211	212	52	5300	0.52999997	0.0052
TCDH054	212	213	98	4320	0.43200001	9.80E-03
TCDH054	213	214	49	4550	0.45500001	4.90E-03
TCDH054	214	215	294	4430	0.44299999	0.0294
TCDH054	215	216	1160	10800	1.08	0.116
TCDH054	216	217	50	3520	0.352	5.00E-03
TCDH054	217	218	139	4580	0.458	0.0139
TCDH054	218	219	47	1820	0.182	4.70E-03
TCDH054	219	220	38	1090	0.109	3.80E-03
TCDH054	220	221	123	2800	0.28	0.0123
TCDH054	221	222	135	9220	0.92199999	0.0135

TCDH054	222	223	11	1920	0.192	0.0011
TCDH054	223	224	46	1360	0.13600001	4.60E-03
TCDH054	224	225	111	790	7.90E-02	0.0111
TCDH054	225	226	111	1190	0.119	0.0111
TCDH054	226	227	164	10200	1.02	0.0164
TCDH054	227	228	34	5690	0.56900001	0.0034
TCDH054	228	229	69	4500	0.44999999	6.90E-03
TCDH054	229	230	82	6840	0.68400002	0.0082
TCDH054	230	231	24	2710	0.271	2.40E-03
TCDH054	231	232	52	1540	0.154	0.0052
TCDH054	232	233	97	12000	1.2	9.70E-03
TCDH054	233	234	53	5700	0.56999999	5.30E-03
TCDH054	234	235	37	3290	0.329	0.0037
TCDH054	235	236	48	1270	0.127	4.80E-03
TCDH054	236	237	53	4090	0.40900001	5.30E-03
TCDH054	237	238	57	3140	0.31400001	5.70E-03
TCDH054	238	239	61	5060	0.50599998	6.10E-03
TCDH054	239	240	56	5760	0.57599998	5.60E-03
TCDH054	240	241	25	4250	0.42500001	2.50E-03
TCDH054	241	242	107	3370	0.33700001	0.0107
TCDH054	242	243	85	12600	1.26	8.50E-03
TCDH054	243	244	64	5700	0.56999999	6.40E-03
TCDH054	244	245	83	5220	0.52200001	8.30E-03
TCDH054	245	246	976	6830	0.68300003	9.76E-02
TCDH054	246	247	1680	830	8.30E-02	0.168
TCDH054	247	248	616	330	0.033	0.0616
TCDH054	248	249	326	3840	0.384	3.26E-02
TCDH054	249	250	101	7550	0.755	0.0101
TCDH054	250	251	92	6890	0.68900001	9.20E-03
TCDH054	251	252	100	10200	1.02	1.00E-02
TCDH054	252	253	62	5130	0.51300001	6.20E-03
TCDH054	253	254	80	6380	0.63800001	8.00E-03
TCDH054	254	255	550	5460	0.546	0.055
TCDH054	255	256	423	3320	0.33199999	4.23E-02
TCDH054	256	257	114	4930	0.493	0.0114
TCDH054	257	258	516	2010	0.20100001	5.16E-02
TCDH054	258	259	94	1220	0.122	9.40E-03
TCDH054	259	260	48	1850	0.185	4.80E-03
TCDH054	260	261	35	1880	0.18799999	3.50E-03
TCDH054	261	262	49	1690	0.169	4.90E-03
TCDH054	262	263	46	1660	0.16599999	4.60E-03
TCDH054	263	264	33	1970	0.197	0.0033
TCDH054	264	265	36	1500	0.15000001	3.60E-03
TCDH054	265	266	63	2370	0.237	0.0063
TCDH054	266	267	90	1290	0.12899999	9.00E-03
TCDH054	267	268	111	1600	0.16	0.0111
TCDH054	268	269	15	940	9.40E-02	0.0015
TCDH054	269	270	19	620	6.20E-02	0.0019
TCDH054	270	271	19	1220	0.122	0.0019
TCDH054	271	272	53	2250	0.22499999	5.30E-03
TCDH054	272	273	89	1230	0.123	8.90E-03
TCDH054	273	274	25	430	4.30E-02	2.50E-03
TCDH054	274	275	49	750	7.50E-02	4.90E-03
TCDH054	275	276	25	910	9.10E-02	2.50E-03
TCDH054	276	277	48	1170	0.117	4.80E-03
TCDH054	277	278	228	5420	0.542	0.0228
TCDH054	278	279	209	6250	0.625	0.0209
TCDH054	279	280	91	7210	0.72100002	9.10E-03
TCDH054	280	281	349	1310	0.131	3.49E-02
TCDH054	281	282	438	1840	0.184	0.0438
TCDH054	282	283	364	2900	0.28999999	3.64E-02
TCDH054	283	284	208	2640	0.264	0.0208
TCDH054	284	285	386	1400	0.14	3.86E-02

TCDH054	285	286	219	280	2.80E-02	0.0219
TCDH054	286	287	177	420	4.20E-02	0.0177
TCDH054	287	288	386	300	3.00E-02	3.86E-02
TCDH054	288	289	309	890	8.90E-02	0.0309
TCDH054	289	290	32	410	4.10E-02	3.20E-03
TCDH054	290	291	32	560	5.60E-02	3.20E-03
TCDH054	291	292	29	330	0.033	0.0029
TCDH054	292	293	67	370	0.037	6.70E-03
TCDH054	293	294	61	460	0.046	6.10E-03
TCDH054	294	295	51	920	0.092	5.10E-03
TCDH054	295	296	47	820	8.20E-02	4.70E-03
TCDH054	296	297	41	1280	0.12800001	0.0041
TCDH054	297	298	584	3100	0.31	5.84E-02
TCDH054	298	299	259	9900	0.99000001	2.59E-02
TCDH054	299	300	351	13900	1.39	3.51E-02
TCDH054	300	301	98	3270	0.32699999	9.80E-03
TCDH054	301	302	17	800	8.00E-02	0.0017
TCDH054	302	303	84	890	8.90E-02	8.40E-03
TCDH054	303	304	76	640	6.40E-02	7.60E-03
TCDH054	304	305	49	1050	0.105	4.90E-03
TCDH054	305	306	146	1140	0.114	0.0146
TCDH054	306	307	27	1240	0.124	2.70E-03
TCDH054	307	308	368	1470	0.147	3.68E-02
TCDH054	308	309	40	680	6.80E-02	4.00E-03
TCDH054	309	310	52	1240	0.124	0.0052
TCDH054	310	311	39	870	8.70E-02	3.90E-03
TCDH054	311	312	85	5100	0.50999999	8.50E-03
TCDH054	312	313	78	2740	0.27399999	7.80E-03
TCDH054	313	314	37	420	4.20E-02	0.0037
TCDH054	314	315	24	390	3.90E-02	2.40E-03
TCDH054	315	316	34	540	5.40E-02	0.0034
TCDH054	316	317	125	310	3.10E-02	0.0125
TCDH054	317	318	162	890	8.90E-02	0.0162
TCDH054	318	319	33	1030	0.103	0.0033
TCDH054	319	320	46	1710	0.171	4.60E-03
TCDH054	320	321	75	3560	0.35600001	7.50E-03
TCDH054	321	322	57	2400	0.23999999	5.70E-03
TCDH054	322	323	42	1960	0.19599999	4.20E-03
TCDH054	323	324	25	2600	0.25999999	2.50E-03
TCDH054	324	325	54	3220	0.322	5.40E-03
TCDH054	325	326	165	3570	0.35699999	0.0165
TCDH054	326	327	273	7800	0.77999997	0.0273
TCDH054	327	328	617	1060	0.106	6.17E-02
TCDH054	328	329	114	470	4.70E-02	0.0114
TCDH054	329	330	24	1510	0.15099999	2.40E-03
TCDH054	330	331	32	1330	0.133	3.20E-03
TCDH054	331	332	17	680	6.80E-02	0.0017
TCDH054	332	333	38	650	6.50E-02	3.80E-03
TCDH054	333	334	37	420	4.20E-02	0.0037
TCDH054	334	335	26	840	8.40E-02	0.0026
TCDH054	335	336	42	740	7.40E-02	4.20E-03
TCDH054	336	337	107	1990	0.199	0.0107
TCDH054	337	338	114	2120	0.212	0.0114
TCDH054	338	339	24	670	6.70E-02	2.40E-03
TCDH054	339	340	29	1010	0.101	0.0029
TCDH054	340	341	41	1590	0.15899999	0.0041
TCDH054	341	342	202	6430	0.64300001	2.02E-02
TCDH054	342	343	34	700	0.07	0.0034
TCDH054	343	344	15	780	7.80E-02	0.0015
TCDH054	344	345	195	1320	0.132	0.0195
TCDH054	345	346	100	300	3.00E-02	1.00E-02
TCDH054	346	347	329	310	3.10E-02	3.29E-02
TCDH054	347	348	335	-10	-0.001	3.35E-02

TCDH054	348	349	153	30	0.003	0.0153
TCDH054	349	350	47	-10	-0.001	4.70E-03
TCDH054	350	351	140	20	2.00E-03	0.014
TCDH054	351	352	74	20	2.00E-03	0.0074
TCDH054	352	353	102	-10	-0.001	0.0102
TCDH054	353	354	233	-10	-0.001	0.0233
TCDH054	354	355	121	-10	-0.001	0.0121
TCDH054	355	356	109	-10	-0.001	0.0109
TCDH054	356	357	146	-10	-0.001	0.0146
TCDH054	357	358	237	20	2.00E-03	2.37E-02
TCDH054	358	359	556	160	1.60E-02	5.56E-02
TCDH054	359	360	106	-10	-0.001	0.0106
TCDH054	360	361	143	70	7.00E-03	0.0143
TCDH054	361	362	223	50	5.00E-03	2.23E-02
TCDH054	362	363	85	30	0.003	8.50E-03
TCDH054	363	364	205	60	6.00E-03	2.05E-02
TCDH054	364	365	629	240	0.024	6.29E-02
TCDH054	365	366	245	230	0.023	2.45E-02
TCDH054	366	367	239	100	1.00E-02	0.0239
TCDH054	367	368	300	60	6.00E-03	3.00E-02
TCDH054	368	369	511	50	5.00E-03	5.11E-02
TCDH054	369	370	790	70	7.00E-03	7.90E-02
TCDH054	370	371	771	460	0.046	7.71E-02
TCDH054	371	372	327	930	9.30E-02	3.27E-02
TCDH054	372	373	164	890	8.90E-02	0.0164
TCDH054	373	374	186	1040	0.104	0.0186
TCDH054	374	375	155	2830	0.28299999	0.0155
TCDH054	375	376	1290	2720	0.27200001	0.12899999
TCDH054	376	377	265	260	2.60E-02	0.0265
TCDH054	377	378	278	80	8.00E-03	2.78E-02
TCDH054	378	379	282	30	0.003	2.82E-02
TCDH054	379	380	516	40	4.00E-03	5.16E-02
TCDH054	380	381	405	50	5.00E-03	0.0405
TCDH054	381	382	490	570	0.057	4.90E-02
TCDH054	382	383	429	310	3.10E-02	0.0429
TCDH054	383	384	208	190	1.90E-02	0.0208
TCDH054	384	385	321	160	1.60E-02	3.21E-02
TCDH054	385	386	195	120	0.012	0.0195
TCDH054	386	387	190	120	0.012	1.90E-02
TCDH054	387	388	207	90	9.00E-03	0.0207
TCDH054	388	389	111	50	5.00E-03	0.0111
TCDH054	389	390	118	50	5.00E-03	0.0118
TCDH054	390	391	175	160	1.60E-02	0.0175
TCDH054	391	392	195	40	4.00E-03	0.0195
TCDH054	392	393	241	40	4.00E-03	0.0241
TCDH054	393	394	236	30	0.003	2.36E-02
TCDH054	394	395	220	30	0.003	0.022
TCDH054	395	396	169	20	2.00E-03	1.69E-02
TCDH054	396	397	125	-10	-0.001	0.0125
TCDH054	397	398	246	230	0.023	2.46E-02
TCDH054	398	399	242	120	0.012	0.0242
TCDH054	399	400	266	70	7.00E-03	0.0266
TCDH054	400	401	144	20	2.00E-03	0.0144
TCDH054	401	402	242	10	0.001	0.0242
TCDH054	402	403	703	150	0.015	7.03E-02
TCDH054	403	404	261	4210	0.421	0.0261
TCDH054	404	405	280	6610	0.66100001	2.80E-02
TCDH054	405	406	102	8560	0.85600001	0.0102
TCDH054	406	407	17	2140	0.214	0.0017
TCDH054	407	408	32	2350	0.235	3.20E-03
TCDH054	408	409	18	3580	0.35800001	0.0018
TCDH054	409	410	51	2560	0.25600001	5.10E-03
TCDH054	410	411	281	5680	0.56800002	2.81E-02

TCDH054	411	412	416	5010	0.50099999	0.0416
TCDH054	412	413	580	4800	0.47999999	5.80E-02
TCDH054	413	414	543	3660	0.366	5.43E-02
TCDH054	414	415	232	580	5.80E-02	0.0232
TCDH054	415	416	171	240	0.024	1.71E-02
TCDH054	416	417	280	570	0.057	2.80E-02
TCDH054	417	418	71	550	0.055	0.0071
TCDH054	418	419	45	130	0.013	4.50E-03
TCDH054	419	420	309	180	1.80E-02	0.0309
TCDH054	420	421	352	1630	0.163	0.0352
TCDH054	421	422	337	3510	0.35100001	0.0337
TCDH054	422	423	65	3240	0.324	6.50E-03
TCDH054	423	424	44	1890	0.189	0.0044
TCDH054	424	425	41	2330	0.233	0.0041
TCDH054	425	426	20	1670	0.167	2.00E-03
TCDH054	426	427	16	1270	0.127	0.0016
TCDH054	427	428	41	4410	0.44100001	0.0041
TCDH054	428	429	25	1550	0.155	2.50E-03
TCDH054	429	430	25	2530	0.25299999	2.50E-03
TCDH054	430	431	19	1690	0.169	0.0019
TCDH054	431	432	12	810	0.081	1.20E-03
TCDH054	432	433	102	940	9.40E-02	0.0102
TCDH054	433	434	38	1600	0.16	3.80E-03
TCDH054	434	435	771	900	9.00E-02	7.71E-02
TCDH054	435	436	148	540	5.40E-02	0.0148
TCDH054	436	437	2190	1380	0.138	0.219
TCDH054	437	438	160	640	6.40E-02	1.60E-02
TCDH054	438	439	262	740	7.40E-02	0.0262
TCDH054	439	440	430	1120	0.112	4.30E-02
TCDH054	440	441	586	670	6.70E-02	5.86E-02
TCDH054	441	442	250	70	7.00E-03	0.025
TCDH054	442	443	364	200	0.02	3.64E-02
TCDH054	443	444	438	370	0.037	0.0438
TCDH054	444	445	258	1210	0.121	2.58E-02
TCDH054	445	446	824	840	8.40E-02	8.24E-02
TCDH054	446	447	494	1060	0.106	4.94E-02
TCDH054	447	448	251	500	5.00E-02	0.0251
TCDH054	448	449	561	3080	0.308	0.0561
TCDH054	449	450	903	5300	0.52999997	9.03E-02
TCDH054	450	451	357	7020	0.70200002	3.57E-02
TCDH054	451	452	503	10500	1.05	5.03E-02
TCDH054	452	453	307	9170	0.917	0.0307
TCDH054	453	454	44	12100	1.21	0.0044
TCDH054	454	455	295	11200	1.12	0.0295
TCDH051	0	1	1180	42100	4.21	0.118
TCDH051	1	2	848	27300	2.73	8.48E-02
TCDH051	2	3	740	36800	3.6800001	7.40E-02
TCDH051	3	4	2200	55200	5.52	0.22
TCDH051	4	5	6430	64400	6.4400001	0.64300001
TCDH051	5	6	8390	51600	5.1599998	0.83899999
TCDH051	6	7	6260	83300	8.3299999	0.62599999
TCDH051	7	8	12100	93500	9.3500004	1.21
TCDH051	8	9	25000	145000	14.5	2.5
TCDH051	9	10	1710	7550	0.755	0.171
TCDH051	10	11	6010	17000	1.7	0.60100001
TCDH051	11	12	4660	44800	4.48	0.46599999
TCDH051	12	13	5000	62200	6.2199998	0.5
TCDH051	13	14	2820	135000	13.5	0.28200001
TCDH051	14	15	3500	58000	5.8000002	0.34999999
TCDH051	15	16	834	25900	2.5899999	8.34E-02
TCDH051	16	17	594	5380	0.53799999	0.0594
TCDH051	17	18	194	14800	1.48	1.94E-02
TCDH051	18	19	652	3850	0.38499999	6.52E-02

TCDH051	19	20	81	820	8.20E-02	8.10E-03
TCDH051	20	21	91	450	4.50E-02	9.10E-03
TCDH051	21	22	29	-10	-0.001	0.0029
TCDH051	22	23	62	40	4.00E-03	6.20E-03
TCDH051	23	24	36	150	0.015	3.60E-03
TCDH051	24	25	113	340	3.40E-02	0.0113
TCDH051	25	26	170	50600	5.0599999	1.70E-02
TCDH051	26	27	12	49300	4.9299998	1.20E-03
TCDH051	27	28	80	77100	7.71	8.00E-03
TCDH051	28	29	50	71600	7.1599998	5.00E-03
TCDH051	29	30	21	78100	7.8099999	2.10E-03
TCDH051	30	31	42	5610	0.56099999	4.20E-03
TCDH051	31	32	121	3410	0.34099999	0.0121
TCDH051	32	33	53	1050	0.105	5.30E-03
TCDH051	33	34	35	1260	0.126	3.50E-03
TCDH051	34	35	222	1960	0.19599999	0.0222
TCDH051	35	36	247	930	9.30E-02	2.47E-02
TCDH051	36	37	1380	3350	0.33500001	0.138
TCDH051	37	38	37	1880	0.18799999	0.0037
TCDH051	38	39	86	5690	0.56900001	8.60E-03
TCDH051	39	40	56	3810	0.38100001	5.60E-03
TCDH051	40	41	56	3890	0.389	5.60E-03
TCDH051	41	42	56	1840	0.184	5.60E-03
TCDH051	42	43	75	2160	0.21600001	7.50E-03
TCDH051	45	46	2940	4850	0.48500001	0.294
TCDH051	46	47	2540	4560	0.456	0.25400001
TCDH051	47	48	1550	13100	1.3099999	0.155
TCDH051	48	49	135	4290	0.42899999	0.0135
TCDH051	49	50	120	4090	0.40900001	0.012
TCDH051	50	51	207	10300	1.03	0.0207
TCDH051	51	52	118	580	5.80E-02	0.0118
TCDH051	52	54	370	690	6.90E-02	0.037
TCDH051	54	56	156	190	1.90E-02	0.0156
TCDH051	56	58	203	150	0.015	2.03E-02
TCDH051	58	60	92	-10	-0.001	9.20E-03
TCDH051	60	64	164	130	0.013	0.0164
TCDH051	64	66	248	1770	0.177	2.48E-02
TCDH051	66	68	243	180	1.80E-02	0.0243
TCDH051	68	70	340	70	7.00E-03	3.40E-02
TCDH051	70	72	145	-10	-0.001	0.0145
TCDH051	72	74	550	1020	0.102	0.055
TCDH051	74	76	271	140	0.014	2.71E-02
TCDH051	76	78	168	90	9.00E-03	1.68E-02
TCDH051	78	80	534	900	9.00E-02	5.34E-02
TCDH051	80	82	60	200	0.02	6.00E-03
TCDH051	82	84	62	80	8.00E-03	6.20E-03
TCDH051	84	86	634	4190	0.419	0.0634
TCDH051	86	88	80	70	7.00E-03	8.00E-03
TCDH051	88	90	31	30	0.003	3.10E-03
TCDH051	90	92	86	240	0.024	8.60E-03
TCDH051	92	94	124	130	0.013	0.0124
TCDH051	94	96	90	310	3.10E-02	9.00E-03
TCDH051	96	98	27	-10	-0.001	2.70E-03
TCDH051	98	100	28	-10	-0.001	2.80E-03
TCDH051	100	102	23	-10	-0.001	2.30E-03
TCDH051	102	104	18	-10	-0.001	0.0018
TCDH051	104	106	15	10	0.001	0.0015
TCDH051	106	108	19	70	7.00E-03	0.0019
TCDH051	108	110	42	80	8.00E-03	4.20E-03
TCDH051	110	112	27	40	4.00E-03	2.70E-03
TCDH051	112	114	50	20	2.00E-03	5.00E-03
TCDH051	114	116	65	20	2.00E-03	6.50E-03
TCDH051	116	118	100	30	0.003	1.00E-02

TCDH051	118	120	70	30	0.003	7.00E-03
TCDH051	120	122	108	20	2.00E-03	0.0108
TCDH051	122	124	92	40	4.00E-03	9.20E-03
TCDH051	124	126	28	-10	-0.001	2.80E-03
TCDH051	126	128	30	50	5.00E-03	0.003
TCDH051	128	130	32	40	4.00E-03	3.20E-03
TCDH051	130	132	19	40	4.00E-03	0.0019
TCDH051	132	133	142	60	6.00E-03	0.0142
TCDH051	133	134	121	30	0.003	0.0121
TCDH051	134	135	1810	1280	0.12800001	0.18099999
TCDH051	135	136	97	220	0.022	9.70E-03
TCDH051	136	137	174	990	9.90E-02	0.0174
TCDH051	137	138	287	6000	0.60000002	0.0287
TCDH051	138	139	27	1070	0.107	2.70E-03
TCDH051	139	140	21	940	9.40E-02	2.10E-03
TCDH051	140	141	194	480	0.048	1.94E-02
TCDH051	141	142	29	220	0.022	0.0029
TCDH051	142	143	39	30	0.003	3.90E-03
TCDH051	143	144	79	2160	0.21600001	7.90E-03
TCDH051	144	145	42	270	2.70E-02	4.20E-03
TCDH051	145	146	45	80	8.00E-03	4.50E-03
TCDH051	146	147	21	50	5.00E-03	2.10E-03
TCDH051	147	148	86	270	2.70E-02	8.60E-03
TCDH051	148	149	17	100	1.00E-02	0.0017
TCDH051	149	150	45	470	4.70E-02	4.50E-03
TCDH051	150	151	28	80	8.00E-03	2.80E-03
TCDH051	151	152	11	20	2.00E-03	0.0011
TCDH051	152	153	21	20	2.00E-03	2.10E-03
TCDH051	153	154	23	100	1.00E-02	2.30E-03
TCDH051	154	155	27	150	0.015	2.70E-03
TCDH051	155	156	11	100	1.00E-02	0.0011
TCDH051	156	157	16	-10	-0.001	0.0016
TCDH051	157	158	32	40	4.00E-03	3.20E-03
TCDH051	158	159	32	160	1.60E-02	3.20E-03
TCDH051	159	160	15	-10	-0.001	0.0015
TCDH051	160	161	58	130	0.013	5.80E-03
TCDH051	161	162	78	50	5.00E-03	7.80E-03
TCDH051	162	163	60	70	7.00E-03	6.00E-03
TCDH051	163	164	68	210	0.021	6.80E-03
TCDH051	164	165	54	50	5.00E-03	5.40E-03
TCDH051	165	166	67	150	0.015	6.70E-03
TCDH051	166	167	101	270	2.70E-02	0.0101
TCDH051	167	168	31	30	0.003	3.10E-03
TCDH051	168	169	39	50	5.00E-03	3.90E-03
TCDH051	169	170	25	40	4.00E-03	2.50E-03
TCDH051	170	171	27	40	4.00E-03	2.70E-03
TCDH051	171	172	30	20	2.00E-03	0.003
TCDH051	172	173	67	30	0.003	6.70E-03
TCDH051	173	174	57	100	1.00E-02	5.70E-03
TCDH051	174	175	48	40	4.00E-03	4.80E-03
TCDH051	175	176	81	260	2.60E-02	8.10E-03
TCDH051	176	177	39	90	9.00E-03	3.90E-03
TCDH051	177	178	47	50	5.00E-03	4.70E-03
TCDH051	178	179	44	110	0.011	0.0044
TCDH051	179	180	24	170	1.70E-02	2.40E-03
TCDH051	180	181	209	400	4.00E-02	0.0209
TCDH051	181	182	97	190	1.90E-02	9.70E-03
TCDH051	182	183	176	2420	0.242	0.0176
TCDH051	183	184	1050	16800	1.6799999	0.105
TCDH051	184	185	105	750	7.50E-02	0.0105
TCDH051	185	186	24	230	0.023	2.40E-03
TCDH051	186	187	11	140	0.014	0.0011
TCDH051	187	188	109	40	4.00E-03	0.0109

TCDH051	188	189	825	440	0.044	8.25E-02
TCDH051	189	190	235	220	0.022	2.35E-02
TCDH051	190	191	147	140	0.014	0.0147
TCDH051	191	192	111	40	4.00E-03	0.0111
TCDH051	192	193	167	60	6.00E-03	0.0167
TCDH051	193	194	218	50	5.00E-03	0.0218
TCDH051	194	195	242	180	1.80E-02	0.0242
TCDH051	195	196	304	1180	0.118	3.04E-02
TCDH051	196	197	145	230	0.023	0.0145
TCDH051	197	198	139	50	5.00E-03	0.0139
TCDH051	198	199	414	390	3.90E-02	0.0414
TCDH051	199	200	209	760	7.60E-02	0.0209
TCDH051	200	201	161	930	9.30E-02	1.61E-02
TCDH051	201	202	58	160	1.60E-02	5.80E-03
TCDH051	202	203	18	190	1.90E-02	0.0018
TCDH051	203	204	82	420	4.20E-02	0.0082
TCDH051	204	205	110	1300	0.13	0.011
TCDH051	205	206	2700	8460	0.84600002	0.27000001
TCDH051	206	207	129	1730	0.17299999	0.0129
TCDH051	207	208	230	2100	0.20999999	0.023
TCDH051	208	209	36	640	6.40E-02	3.60E-03
TCDH051	209	210	36	3790	0.37900001	3.60E-03
TCDH051	210	211	30	2410	0.241	0.003
TCDH051	211	212	32	880	0.088	3.20E-03
TCDH051	212	213	94	7210	0.72100002	9.40E-03
TCDH051	213	214	82	8520	0.852	0.0082
TCDH051	214	215	37	1070	0.107	0.0037
TCDH051	215	216	409	4150	0.41499999	4.09E-02
TCDH051	216	217	1120	4100	0.41	0.112
TCDH051	217	218	27	3340	0.33399999	2.70E-03
TCDH051	218	219	609	5550	0.55500001	6.09E-02
TCDH051	219	220	474	7450	0.745	4.74E-02
TCDH051	220	221	34	3310	0.331	0.0034
TCDH051	221	222	45	1910	0.191	4.50E-03
TCDH051	222	223	92	1250	0.125	9.20E-03
TCDH051	223	224	235	5940	0.59399998	2.35E-02
TCDH051	224	225	13	3380	0.338	0.0013
TCDH051	225	226	73	8980	0.898	7.30E-03
TCDH051	226	227	69	14100	1.41	6.90E-03
TCDH051	227	228	278	40300	4.0300002	2.78E-02
TCDH051	228	229	99	17000	1.7	9.90E-03
TCDH051	229	230	143	4940	0.49399999	0.0143
TCDH051	230	231	126	28300	2.8299999	0.0126
TCDH051	231	232	47	12100	1.21	4.70E-03
TCDH051	232	233	93	10400	1.04	0.0093
TCDH051	233	234	211	5640	0.56400001	0.0211
TCDH051	234	235	53	2620	0.26199999	5.30E-03
TCDH051	235	236	403	7860	0.78600001	0.0403
TCDH051	236	237	194	8330	0.833	1.94E-02
TCDH051	237	238	450	11600	1.16	4.50E-02
TCDH051	238	239	85	8460	0.84600002	8.50E-03
TCDH051	239	240	48	10500	1.05	4.80E-03
TCDH051	240	241	48	18300	1.83	4.80E-03
TCDH051	241	242	102	3810	0.38100001	0.0102
TCDH051	242	243	65	2100	0.20999999	6.50E-03
TCDH051	243	244	45	510	5.10E-02	4.50E-03
TCDH051	244	245	10	680	6.80E-02	0.001
TCDH051	245	246	43	390	3.90E-02	4.30E-03
TCDH051	246	247	130	7180	0.71799999	0.013
TCDH051	247	248	56	4890	0.48899999	5.60E-03
TCDH051	248	249	68	2990	0.29899999	6.80E-03
TCDH051	249	250	25	2320	0.23199999	2.50E-03
TCDH051	250	251	33	1710	0.171	0.0033

TCDH051	251	252	46	1720	0.17200001	4.60E-03
TCDH051	252	253	106	1510	0.15099999	0.0106
TCDH051	253	254	56	2810	0.28099999	5.60E-03
TCDH051	254	255	57	2070	0.207	5.70E-03
TCDH051	255	256	204	10600	1.0599999	2.04E-02
TCDH051	256	257	92	2660	0.266	9.20E-03
TCDH051	257	258	117	1900	0.19	0.0117
TCDH051	258	259	73	660	0.066	7.30E-03
TCDH051	259	260	100	3770	0.377	1.00E-02
TCDH051	260	261	122	310	3.10E-02	0.0122
TCDH051	261	262	115	4320	0.43200001	0.0115
TCDH051	262	263	268	6900	0.69	2.68E-02
TCDH051	263	264	23	2250	0.22499999	2.30E-03
TCDH051	264	265	93	6600	0.66000003	0.0093
TCDH051	265	266	23	1740	0.17399999	2.30E-03
TCDH051	266	267	41	1800	0.18000001	0.0041
TCDH051	267	268	41	2730	0.273	0.0041
TCDH051	268	269	41	2730	0.273	0.0041
TCDH051	269	270	36	2940	0.294	3.60E-03
TCDH051	270	271	66	1970	0.197	0.0066
TCDH051	271	272	38	2920	0.292	3.80E-03
TCDH051	272	273	36	2710	0.271	3.60E-03
TCDH051	273	274	21	3390	0.33899999	2.10E-03
TCDH051	274	275	31	2780	0.278	3.10E-03
TCDH051	275	276	28	2360	0.236	2.80E-03
TCDH051	276	277	34	2720	0.27200001	0.0034
TCDH051	277	278	31	3000	0.30000001	3.10E-03
TCDH051	278	279	28	2900	0.28999999	2.80E-03
TCDH051	279	280	25	2340	0.234	2.50E-03
TCDH051	280	281	30	2390	0.23899999	0.003
TCDH051	281	282	33	2650	0.26499999	0.0033
TCDH051	282	283	26	2650	0.26499999	0.0026
TCDH051	283	284	29	2520	0.252	0.0029
TCDH051	284	285	35	2540	0.25400001	3.50E-03
TCDH051	285	286	31	2170	0.21699999	3.10E-03
TCDH051	286	287	32	2130	0.213	3.20E-03
TCDH051	287	288	25	1890	0.189	2.50E-03
TCDH051	288	289	22	1110	0.111	0.0022
TCDH051	289	290	25	750	7.50E-02	2.50E-03
TCDH051	290	291	25	740	7.40E-02	2.50E-03
TCDH051	291	292	27	740	7.40E-02	2.70E-03
TCDH051	292	293	26	1040	0.104	0.0026
TCDH051	293	294	25	600	6.00E-02	2.50E-03
TCDH051	294	295	18	700	0.07	0.0018
TCDH051	295	296	27	1030	0.103	2.70E-03
TCDH051	296	297	53	440	0.044	5.30E-03
TCDH051	297	298	97	820	8.20E-02	9.70E-03
TCDH051	298	299	76	100	1.00E-02	7.60E-03
TCDH051	299	300	150	80	8.00E-03	0.015
TCDH051	300	301	132	80	8.00E-03	0.0132
TCDH051	301	302	138	70	7.00E-03	0.0138
TCDH051	302	303	131	90	9.00E-03	0.0131
TCDH051	303	304	140	80	8.00E-03	0.014
TCDH051	304	305	136	620	6.20E-02	0.0136
TCDH051	305	306	129	80	8.00E-03	0.0129
TCDH051	306	307	113	70	7.00E-03	0.0113
TCDH051	307	308	39	170	1.70E-02	3.90E-03
TCDH051	308	309	27	100	1.00E-02	2.70E-03
TCDH051	309	310	25	230	0.023	2.50E-03
TCDH051	310	311	20	430	4.30E-02	2.00E-03
TCDH051	311	312	23	210	0.021	2.30E-03
TCDH051	312	313	38	550	0.055	3.80E-03
TCDH051	313	314	28	540	5.40E-02	2.80E-03

TCDH051	314	315	25	480	0.048	2.50E-03
TCDH051	315	316	25	340	3.40E-02	2.50E-03
TCDH051	316	317	23	670	6.70E-02	2.30E-03
TCDH051	317	318	70	1200	0.12	7.00E-03
TCDH052	0	1	1160	7030	0.70300001	0.116
TCDH052	1	2	1580	7120	0.71200001	0.15800001
TCDH052	2	3	4030	90800	9.0799999	0.403
TCDH052	3	4	1350	8690	0.86900002	0.13500001
TCDH052	4	5	17000	244000	24.4	1.7
TCDH052	5	6	19200	30700	3.0699999	1.92
TCDH052	6	7	20200	137000	13.7	2.02
TCDH052	7	8	6490	219000	21.9	0.64899999
TCDH052	8	9	3160	38400	3.8399999	0.31600001
TCDH052	9	10	32800	218000	21.799999	3.28
TCDH052	10	11	44300	361000	36.099998	4.4299998
TCDH052	11	12	35700	319000	31.9	3.5699999
TCDH052	12	13	22200	28400	2.8399999	2.22
TCDH052	13	14	33100	16400	1.64	3.3099999
TCDH052	14	15	71500	183000	18.299999	7.1500001
TCDH052	15	16	20800	86400	8.6400003	2.0799999
TCDH052	16	17	2080	26400	2.6400001	0.208
TCDH052	17	18	675	8680	0.86799997	6.75E-02
TCDH052	18	19	946	5960	0.59600002	9.46E-02
TCDH052	19	20	2840	5800	0.57999998	0.28400001
TCDH052	20	21	781	6550	0.65499997	7.81E-02
TCDH052	21	22	2510	10500	1.05	0.25099999
TCDH052	22	23	2850	5580	0.55800003	0.285
TCDH052	23	24	1020	4180	0.41800001	0.102
TCDH052	24	25	952	8110	0.81099999	9.52E-02
TCDH052	25	26	1920	2600	0.25999999	0.192
TCDH052	26	27	3270	11900	1.1900001	0.32699999
TCDH052	27	28	3420	6820	0.68199998	0.34200001
TCDH052	28	29	29900	173000	17.299999	2.99
TCDH052	29	30	14700	17200	1.72	1.47
TCDH052	30	31	10400	96400	9.6400003	1.04
TCDH052	31	32	8790	110000	11	0.87900001
TCDH052	32	33	2190	32000	3.2	0.219
TCDH052	33	34	2110	25400	2.54	0.211
TCDH052	34	35	2290	13900	1.39	0.229
TCDH052	35	36	3130	3800	0.38	0.31299999
TCDH052	36	37	1450	1660	0.16599999	0.145
TCDH052	37	38	1550	6320	0.63200003	0.155
TCDH052	38	39	2800	15600	1.5599999	0.28
TCDH052	39	40	5340	25000	2.5	0.53399998
TCDH052	40	41	1170	5270	0.52700001	0.117
TCDH052	41	42	5870	30300	3.03	0.58700001
TCDH052	42	43	1180	3810	0.38100001	0.118
TCDH052	43	44	63100	51400	5.1399999	6.3099999
TCDH052	44	45	1410	4770	0.477	0.141
TCDH052	45	46	1810	5830	0.583	0.18099999
TCDH052	46	47	2310	131000	13.1	0.23100001
TCDH052	47	48	3090	27600	2.76	0.30899999
TCDH052	48	49	2410	4830	0.48300001	0.241
TCDH052	49	50	6810	21700	2.1700001	0.68099999
TCDH052	50	51	4010	168000	16.799999	0.40099999
TCDH052	51	52	4820	118000	11.8	0.48199999
TCDH052	52	53	1600	21200	2.1199999	0.16
TCDH052	53	55	816	6290	0.62900001	8.16E-02
TCDH052	55	57	338	4790	0.479	3.38E-02
TCDH052	57	59	257	400	4.00E-02	2.57E-02
TCDH052	59	61	1830	2980	0.29800001	0.183
TCDH052	61	63	393	260	2.60E-02	3.93E-02
TCDH052	63	65	90	-10	-0.001	9.00E-03

TCDH052	65	67	68	30	0.003	6.80E-03
TCDH052	67	69	53	-10	-0.001	5.30E-03
TCDH052	69	71	63	-10	-0.001	0.0063
TCDH052	71	73	58	-10	-0.001	5.80E-03
TCDH052	73	75	51	-10	-0.001	5.10E-03
TCDH052	75	77	50	10	0.001	5.00E-03
TCDH052	77	79	77	-10	-0.001	0.0077
TCDH052	79	81	70	10	0.001	7.00E-03
TCDH052	81	83	60	-10	-0.001	6.00E-03
TCDH052	83	85	70	10	0.001	7.00E-03
TCDH052	85	87	80	-10	-0.001	8.00E-03
TCDH052	87	89	94	260	2.60E-02	9.40E-03
TCDH052	89	91	75	70	7.00E-03	7.50E-03
TCDH052	91	93	39	40	4.00E-03	3.90E-03
TCDH052	93	95	38	20	2.00E-03	3.80E-03
TCDH052	95	97	50	20	2.00E-03	5.00E-03
TCDH052	97	99	17	40	4.00E-03	0.0017
TCDH052	99	101	43	-10	-0.001	4.30E-03
TCDH052	101	103	39	-10	-0.001	3.90E-03
TCDH052	103	105	47	10	0.001	4.70E-03
TCDH052	105	107	32	30	0.003	3.20E-03
TCDH052	107	109	60	30	0.003	6.00E-03
TCDH052	109	111	59	40	4.00E-03	5.90E-03
TCDH052	111	113	48	30	0.003	4.80E-03
TCDH052	113	115	39	20	2.00E-03	3.90E-03
TCDH052	115	117	47	-10	-0.001	4.70E-03
TCDH052	117	119	35	-10	-0.001	3.50E-03
TCDH052	119	121	78	10	0.001	7.80E-03
TCDH052	121	123	115	10	0.001	0.0115
TCDH052	123	125	93	10	0.001	0.0093
TCDH052	125	127	139	20	2.00E-03	0.0139
TCDH052	127	129	226	20	2.00E-03	2.26E-02
TCDH052	129	131	253	20	2.00E-03	0.0253
TCDH052	131	133	251	20	2.00E-03	0.0251
TCDH052	133	135	218	10	0.001	0.0218
TCDH052	135	137	124	10	0.001	0.0124
TCDH052	137	139	136	-10	-0.001	0.0136
TCDH052	139	141	157	20	2.00E-03	1.57E-02
TCDH052	141	143	172	10	0.001	1.72E-02
TCDH052	143	145	186	20	2.00E-03	0.0186
TCDH052	145	147	151	20	2.00E-03	0.0151
TCDH052	147	149	82	10	0.001	0.0082
TCDH052	149	151	32	10	0.001	3.20E-03
TCDH052	151	153	35	-10	-0.001	3.50E-03
TCDH052	153	155	74	60	6.00E-03	0.0074
TCDH052	155	157	109	40	4.00E-03	0.0109
TCDH052	157	159	116	30	0.003	0.0116
TCDH052	159	161	95	30	0.003	9.50E-03
TCDH052	161	163	59	70	7.00E-03	5.90E-03
TCDH052	163	165	46	40	4.00E-03	4.60E-03
TCDH052	165	167	28	40	4.00E-03	2.80E-03
TCDH052	167	169	12	20	2.00E-03	1.20E-03
TCDH052	169	171	20	20	2.00E-03	2.00E-03
TCDH052	171	173	14	20	2.00E-03	0.0014
TCDH052	173	175	16	20	2.00E-03	0.0016
TCDH052	175	177	14	20	2.00E-03	0.0014
TCDH052	177	179	17	10	0.001	0.0017
TCDH052	179	181	49	-10	-0.001	4.90E-03
TCDH052	181	183	54	-10	-0.001	5.40E-03
TCDH052	183	185	23	-10	-0.001	2.30E-03
TCDH052	185	187	21	-10	-0.001	2.10E-03
TCDH052	187	189	29	-10	-0.001	0.0029
TCDH052	189	191	64	-10	-0.001	6.40E-03

TCDH052	191	193	82	-10	-0.001	0.0082
TCDH052	193	195	97	10	0.001	9.70E-03
TCDH052	195	197	106	10	0.001	0.0106
TCDH052	197	199	100	-10	-0.001	1.00E-02
TCDH052	199	201	104	-10	-0.001	0.0104
TCDH053	0	1	370	11000	1.1	0.037
TCDH053	1	2	33	6400	0.63999999	0.0033
TCDH053	2	3	7	12300	1.23	7.00E-04
TCDH053	3	4	8	1100	0.11	8.00E-04
TCDH053	4	5	335	10900	1.09	3.35E-02
TCDH053	5	6	143	20100	2.01	0.0143
TCDH053	6	7	1100	18800	1.88	0.11
TCDH053	7	8	1800	22800	2.28	0.18000001
TCDH053	8	10	1090	20200	2.02	0.109
TCDH053	10	12	3810	53700	5.3699999	0.38100001
TCDH053	12	14	71	17000	1.7	0.0071
TCDH053	14	16	67	37600	3.76	6.70E-03
TCDH053	16	18	636	22000	2.2	6.36E-02
TCDH053	18	20	60	33600	3.3599999	6.00E-03
TCDH053	20	22	389	1350	0.13500001	3.89E-02
TCDH053	22	24	542	1840	0.184	5.42E-02
TCDH053	24	26	424	4620	0.46200001	4.24E-02
TCDH053	26	28	287	32200	3.22	0.0287
TCDH053	28	30	883	13900	1.39	8.83E-02
TCDH053	30	32	274	10500	1.05	0.0274
TCDH053	32	34	123	1810	0.18099999	0.0123
TCDH053	34	36	174	4520	0.45199999	0.0174
TCDH053	36	38	117	9990	0.99900001	0.0117
TCDH053	38	40	52	27500	2.75	0.0052
TCDH053	40	42	164	26500	2.6500001	0.0164
TCDH053	42	44	471	103000	10.3	0.0471
TCDH053	44	46	105	1090	0.109	0.0105
TCDH053	46	47	307	30000	3	0.0307
TCDH053	47	48	377	46700	4.6700001	3.77E-02
TCDH053	48	49	384	38500	3.8499999	3.84E-02
TCDH053	49	50	93	7990	0.79900002	0.0093
TCDH053	50	51	271	51800	5.1799998	2.71E-02
TCDH053	51	52	62	5300	0.52999997	6.20E-03
TCDH053	52	53	192	45900	4.5900002	1.92E-02
TCDH053	53	54	139	1270	0.127	0.0139
TCDH053	55	56	2550	123000	12.3	0.255
TCDH053	56	57	680	55800	5.5799999	6.80E-02
TCDH053	57	58	336	47200	4.7199998	3.36E-02
TCDH053	58	59	191	107000	10.7	1.91E-02
TCDH053	59	60	328	319000	31.9	0.0328
TCDH053	60	61	185	62100	6.21	0.0185
TCDH053	61	62	859	30800	3.0799999	8.59E-02
TCDH053	62	63	419	224000	22.4	4.19E-02
TCDH053	63	64	190	105000	10.5	1.90E-02
TCDH053	64	65	44	16500	1.65	0.0044
TCDH053	65	66	59	1430	0.14300001	5.90E-03
TCDH053	66	67	13	700	0.07	0.0013
TCDH053	67	68	46	6760	0.676	4.60E-03
TCDH053	68	69	58	14800	1.48	5.80E-03
TCDH053	69	70	33	30800	3.0799999	0.0033
TCDH053	70	71	21	12600	1.26	2.10E-03
TCDH053	71	72	20	31200	3.1199999	2.00E-03
TCDH053	72	73	92	34200	3.4200001	9.20E-03
TCDH053	73	74	191	32700	3.27	1.91E-02
TCDH053	74	75	39	13200	1.3200001	3.90E-03
TCDH053	75	76	61	15200	1.52	6.10E-03
TCDH053	76	77	329	13200	1.3200001	3.29E-02
TCDH053	77	78	1660	11500	1.15	0.16599999

TCDH053	78	79	94	12900	1.29	9.40E-03
TCDH053	79	80	383	22800	2.28	0.0383
TCDH053	80	81	980	28500	2.8499999	9.80E-02
TCDH053	81	82	993	26200	2.6199999	9.93E-02
TCDH053	82	83	939	44300	4.4299998	9.39E-02
TCDH053	83	84	527	11900	1.1900001	5.27E-02
TCDH053	84	85	642	9150	0.91500002	6.42E-02
TCDH053	85	86	932	310	3.10E-02	9.32E-02
TCDH053	86	88	286	-10	-0.001	0.0286
TCDH053	88	90	310	20	2.00E-03	3.10E-02
TCDH053	90	92	775	10	0.001	7.75E-02
TCDH053	92	94	110	-10	-0.001	0.011
TCDH053	94	96	70	-10	-0.001	7.00E-03
TCDH053	96	98	77	-10	-0.001	0.0077
TCDH053	98	100	425	-10	-0.001	0.0425
TCDH053	100	102	95	10	0.001	9.50E-03
TCDH053	102	104	72	-10	-0.001	7.20E-03
TCDH053	104	106	61	-10	-0.001	6.10E-03
TCDH053	106	108	58	40	4.00E-03	5.80E-03
TCDH053	108	110	41	-10	-0.001	0.0041
TCDH053	110	112	44	-10	-0.001	0.0044
TCDH053	112	114	39	-10	-0.001	3.90E-03
TCDH053	114	116	58	-10	-0.001	5.80E-03
TCDH053	116	118	40	-10	-0.001	4.00E-03
TCDH053	118	120	36	-10	-0.001	3.60E-03
TCDH053	120	122	32	-10	-0.001	3.20E-03
TCDH053	122	124	53	50	5.00E-03	5.30E-03
TCDH053	124	126	58	10	0.001	5.80E-03
TCDH053	126	128	40	20	2.00E-03	4.00E-03
TCDH053	128	130	49	30	0.003	4.90E-03
TCDH053	130	132	61	40	4.00E-03	6.10E-03
TCDH053	132	134	67	70	7.00E-03	6.70E-03
TCDH053	134	136	69	80	8.00E-03	6.90E-03
TCDH053	136	138	69	170	1.70E-02	6.90E-03
TCDH053	138	140	80	100	1.00E-02	8.00E-03
TCDH053	140	142	73	80	8.00E-03	7.30E-03
TCDH053	142	144	77	60	6.00E-03	0.0077
TCDH053	144	146	77	60	6.00E-03	0.0077
TCDH053	146	148	64	60	6.00E-03	6.40E-03
TCDH053	148	150	69	70	7.00E-03	6.90E-03
TCDH053	150	152	62	50	5.00E-03	6.20E-03
TCDH053	152	154	66	60	6.00E-03	0.0066
TCDH053	154	156	85	70	7.00E-03	8.50E-03
TCDH053	156	158	85	60	6.00E-03	8.50E-03
TCDH053	158	160	79	70	7.00E-03	7.90E-03
TCDH053	160	162	74	60	6.00E-03	0.0074
TCDH053	162	164	94	70	7.00E-03	9.40E-03
TCDH053	164	166	77	180	1.80E-02	0.0077
TCDH053	166	168	328	210	0.021	0.0328
TCDH053	168	170	389	200	0.02	3.89E-02
TCDH053	170	172	213	160	1.60E-02	2.13E-02
TCDH053	172	174	58	40	4.00E-03	5.80E-03
TCDH053	174	176	4	-10	-0.001	4.00E-04
TCDH053	176	178	31	-10	-0.001	3.10E-03
TCDH053	178	180	13	60	6.00E-03	0.0013
TCDH053	180	182	34	40	4.00E-03	0.0034
TCDH053	182	184	36	20	2.00E-03	3.60E-03
TCDH053	184	186	38	-10	-0.001	3.80E-03
TCDH053	186	188	25	20	2.00E-03	2.50E-03
TCDH053	188	190	38	20	2.00E-03	3.80E-03
TCDH053	190	192	86	30	0.003	8.60E-03
TCDH053	192	194	94	40	4.00E-03	9.40E-03
TCDH053	194	196	94	40	4.00E-03	9.40E-03

TCDH053	196	198	54	60	6.00E-03	5.40E-03
TCDH053	198	200	54	50	5.00E-03	5.40E-03
TCDH053	200	202	57	90	9.00E-03	5.70E-03
TCDH053	202	204	48	60	6.00E-03	4.80E-03
TCDH053	204	206	67	90	9.00E-03	6.70E-03
TCDH053	206	208	220	160	1.60E-02	0.022
TCDH053	208	210	190	290	2.90E-02	1.90E-02
TCDH053	210	212	90	170	1.70E-02	9.00E-03
TCDH053	212	214	75	130	0.013	7.50E-03
TCDH053	214	216	95	110	0.011	9.50E-03
TCDH053	216	218	79	110	0.011	7.90E-03
TCDH053	218	220	85	70	7.00E-03	8.50E-03
TCDH053	220	222	87	30	0.003	8.70E-03
TCDH053	222	224	82	140	0.014	0.0082
TCDH053	224	226	88	30	0.003	0.0088
TCDH053	226	228	100	-10	-0.001	1.00E-02
TCDH053	228	230	112	-10	-0.001	0.0112
TCDH053	230	232	141	-10	-0.001	0.0141
TCDH053	232	234	185	-10	-0.001	0.0185
TCDH053	234	236	235	40	4.00E-03	2.35E-02
TCDH053	236	238	377	3980	0.398	3.77E-02
TCDH053	238	240	145	2800	0.28	0.0145
TCDH053	240	242	273	2070	0.207	0.0273
TCDH053	242	244	733	1260	0.126	7.33E-02
TCDH053	244	246	452	3670	0.36700001	4.52E-02
TCDH053	246	248	101	2300	0.23	0.0101
TCDH053	248	250	117	2880	0.28799999	0.0117
TCDH053	250	252	673	4070	0.40700001	6.73E-02
TCDH053	252	254	199	3930	0.39300001	0.0199
TCDH053	254	256	254	2730	0.273	0.0254
TCDH053	256	258	209	4240	0.42399999	0.0209
TCDH053	258	260	751	2840	0.28400001	7.51E-02
TCDH053	260	261	854	3830	0.38299999	0.0854
TCDH053	261	262	73	980	9.80E-02	7.30E-03
TCDH053	262	263	99	1100	0.11	9.90E-03
TCDH053	263	264	215	1270	0.127	2.15E-02
TCDH053	264	265	529	1510	0.15099999	5.29E-02
TCDH053	265	266	16	1260	0.126	0.0016
TCDH053	266	267	42	1180	0.118	4.20E-03
TCDH053	267	268	51	1460	0.146	5.10E-03
TCDH053	268	269	64	1580	0.15800001	6.40E-03
TCDH053	269	270	30	2160	0.21600001	0.003
TCDH053	270	271	22	1380	0.138	0.0022
TCDH053	271	272	28	1970	0.197	2.80E-03
TCDH053	272	273	24	1850	0.185	2.40E-03
TCDH053	273	274	24	1050	0.105	2.40E-03
TCDH053	274	275	56	4570	0.45699999	5.60E-03
TCDH053	275	276	45	590	0.059	4.50E-03
TCDH053	276	277	44	930	9.30E-02	0.0044
TCDH053	277	278	65	1190	0.119	6.50E-03
TCDH053	278	279	37	250	0.025	0.0037
TCDH053	279	280	30	850	8.50E-02	0.003
TCDH053	280	281	42	1200	0.12	4.20E-03
TCDH053	281	282	32	1760	0.176	3.20E-03
TCDH053	282	283	47	1320	0.132	4.70E-03
TCDH053	283	284	48	2620	0.26199999	4.80E-03
TCDH053	284	285	162	5070	0.50700003	0.0162
TCDH053	285	286	323	5800	0.57999998	3.23E-02
TCDH053	286	287	184	8450	0.84500003	0.0184
TCDH053	287	288	108	4740	0.47400001	0.0108
TCDH053	288	289	60	6110	0.611	6.00E-03
TCDH053	289	290	655	4660	0.46599999	6.55E-02
TCDH053	290	291	262	1100	0.11	0.0262

TCDH053	291	292	365	2520	0.252	3.65E-02
TCDH053	292	293	1080	3190	0.31900001	0.108
TCDH053	293	294	1130	3260	0.32600001	0.113
TCDH053	294	295	323	5420	0.542	3.23E-02
TCDH053	295	296	87	7050	0.70499998	8.70E-03
TCDH053	296	297	333	8300	0.82999998	3.33E-02
TCDH053	297	298	187	13600	1.36	0.0187
TCDH053	298	299	231	4990	0.49900001	0.0231
TCDH053	299	300	177	11300	1.13	0.0177
TCDH053	300	301	44	3030	0.303	0.0044
TCDH053	301	302	51	1460	0.146	5.10E-03
TCDH053	302	303	81	1020	0.102	8.10E-03
TCDH053	303	304	101	340	3.40E-02	0.0101
TCDH053	304	305	79	180	1.80E-02	7.90E-03
TCDH053	305	306	388	140	0.014	3.88E-02
TCDH053	306	307	271	20	2.00E-03	2.71E-02
TCDH053	307	308	195	-10	-0.001	0.0195
TCDH053	308	309	144	40	4.00E-03	0.0144
TCDH053	309	310	144	70	7.00E-03	0.0144
TCDH053	310	311	166	20	2.00E-03	0.0166
TCDH053	311	312	116	20	2.00E-03	0.0116
TCDH053	312	313	145	20	2.00E-03	0.0145
TCDH053	313	314	59	50	5.00E-03	5.90E-03
TCDH053	314	315	55	20	2.00E-03	0.0055
TCDH053	315	316	44	300	3.00E-02	0.0044
TCDH053	316	317	104	760	7.60E-02	0.0104
TCDH053	317	318	293	20	2.00E-03	2.93E-02
TCDH053	318	319	411	450	4.50E-02	4.11E-02
TCDH053	319	320	226	50	5.00E-03	2.26E-02
TCDH053	320	321	521	1110	0.111	5.21E-02
TCDH053	321	322	507	8520	0.852	5.07E-02
TCDH055	0	2	104	1040	0.104	0.0104
TCDH055	2	4	18	570	0.057	0.0018
TCDH055	4	6	158	1010	0.101	1.58E-02
TCDH055	6	8	189	1860	0.186	0.0189
TCDH055	8	10	179	1200	0.12	1.79E-02
TCDH055	10	12	95	440	0.044	9.50E-03
TCDH055	12	14	138	930	9.30E-02	0.0138
TCDH055	14	16	123	590	0.059	0.0123
TCDH055	16	18	143	340	3.40E-02	0.0143
TCDH055	18	20	23	300	3.00E-02	2.30E-03
TCDH055	20	22	44	560	5.60E-02	0.0044
TCDH055	22	24	82	1440	0.14399999	0.0082
TCDH055	24	26	85	790	7.90E-02	8.50E-03
TCDH055	26	27	29	1540	0.154	0.0029
TCDH055	27	28	92	37000	3.7	9.20E-03
TCDH055	28	29	202	161000	16.1	2.02E-02
TCDH055	29	30	231	115000	11.5	0.0231
TCDH055	30	31	355	93500	9.3500004	3.55E-02
TCDH055	31	32	275	80000	8	0.0275
TCDH055	32	33	359	62700	6.27	0.0359
TCDH055	33	34	212	44800	4.48	2.12E-02
TCDH055	34	35	298	28300	2.8299999	0.0298
TCDH055	35	36	972	118000	11.8	9.72E-02
TCDH055	36	37	312	123000	12.3	3.12E-02
TCDH055	37	38	780	174000	17.4	7.80E-02
TCDH055	38	39	790	176000	17.6	7.90E-02
TCDH055	39	40	670	140000	14	6.70E-02
TCDH055	40	41	1540	18100	1.8099999	0.154
TCDH055	41	42	1600	10000	1	0.16
TCDH055	42	43	1950	6090	0.60900003	0.19499999
TCDH055	43	44	1270	4260	0.426	0.127
TCDH055	44	45	682	1670	0.167	0.0682

TCDH055	45	46	660	1190	0.119	0.066
TCDH055	46	47	188	810	0.081	0.0188
TCDH055	47	48	132	22700	2.27	0.0132
TCDH055	48	49	123	19200	1.92	0.0123
TCDH055	49	50	-1	-10	-0.001	-1.00E-04
TCDH055	50	51	212	180000	18	2.12E-02
TCDH055	51	52	574	188000	18.799999	5.74E-02
TCDH055	52	53	325	123000	12.3	3.25E-02
TCDH055	57	58	403	54300	5.4299998	0.0403
TCDH055	58	59	501	62100	6.21	5.01E-02
TCDH055	59	60	1270	48000	4.8000002	0.127
TCDH055	60	61	1620	79300	7.9299998	0.162
TCDH055	61	62	3340	128000	12.8	0.33399999
TCDH055	63	64	4270	124000	12.4	0.42699999
TCDH055	64	65	3190	43200	4.3200002	0.31900001
TCDH055	65	66	1690	99000	9.8999996	0.169
TCDH055	66	67	3100	96800	9.6800003	0.31
TCDH055	67	68	2560	37100	3.71	0.25600001
TCDH055	68	69	2480	25800	2.5799999	0.248
TCDH055	69	70	1530	88300	8.8299999	0.153
TCDH055	70	71	2690	82500	8.25	0.26899999
TCDH055	73	74	378	35400	3.54	3.78E-02
TCDH055	74	75	2510	55300	5.5300002	0.25099999
TCDH055	75	76	2920	212000	21.200001	0.292
TCDH055	76	77	2350	163000	16.299999	0.235
TCDH055	77	78	1970	114000	11.4	0.197
TCDH055	78	79	2040	509000	50.900002	0.204
TCDH055	79	80	669	262000	26.200001	0.0669
TCDH055	80	81	410	94900	9.4899998	4.10E-02
TCDH055	81	82	1890	419000	41.900002	0.189
TCDH055	82	83	2010	221000	22.1	0.20100001
TCDH055	83	84	1350	113000	11.3	0.13500001
TCDH055	84	85	742	196000	19.6	7.42E-02
TCDH055	85	86	2850	240000	24	0.285
TCDH055	86	87	172	10300	1.03	1.72E-02
TCDH055	87	88	150	41400	4.1399999	0.015
TCDH055	88	89	53	51800	5.1799998	5.30E-03
TCDH055	89	90	34	7280	0.72799999	0.0034
TCDH055	90	91	296	83000	8.3000002	0.0296
TCDH055	91	92	483	66600	6.6599998	4.83E-02
TCDH055	92	93	1090	74000	7.4000001	0.109
TCDH055	93	94	60	170	1.70E-02	6.00E-03
TCDH055	94	95	67	14200	1.42	6.70E-03
TCDH055	95	96	319	12100	1.21	0.0319
TCDH055	96	97	392	17600	1.76	0.0392
TCDH055	97	98	2730	35100	3.51	0.273
TCDH055	98	99	8280	84200	8.4200001	0.82800001
TCDH055	99	100	4720	29500	2.95	0.472
TCDH055	100	101	1180	20500	2.05	0.118
TCDH055	101	102	1060	18800	1.88	0.106
TCDH055	102	103	209	50400	5.04	0.0209
TCDH055	103	104	960	126000	12.6	9.60E-02
TCDH055	104	105	3630	150000	15	0.36300001
TCDH055	105	106	290	38300	3.8299999	2.90E-02
TCDH055	106	107	484	36400	3.6400001	0.0484
TCDH055	107	108	675	55200	5.52	6.75E-02
TCDH055	108	109	366	32600	3.26	3.66E-02
TCDH055	109	110	256	34900	3.49	2.56E-02
TCDH055	110	111	177	47100	4.71	0.0177
TCDH055	111	112	978	8260	0.82599998	9.78E-02
TCDH055	112	114	319	260	2.60E-02	0.0319
TCDH055	114	116	163	380	3.80E-02	0.0163
TCDH055	116	118	110	210	0.021	0.011

TCDH055	118	120	98	140	0.014	9.80E-03
TCDH055	120	122	69	90	9.00E-03	6.90E-03
TCDH055	122	124	54	660	0.066	5.40E-03
TCDH055	124	126	54	340	3.40E-02	5.40E-03
TCDH055	126	128	51	350	0.035	5.10E-03
TCDH055	128	130	111	310	3.10E-02	0.0111
TCDH055	130	132	114	100	1.00E-02	0.0114
TCDH055	132	134	136	1820	0.182	0.0136
TCDH055	134	136	109	130	0.013	0.0109
TCDH055	136	138	93	21400	2.1400001	0.0093
TCDH055	138	140	50	660	0.066	5.00E-03
TCDH055	140	142	57	1150	0.115	5.70E-03
TCDH055	142	144	80	7920	0.792	8.00E-03
TCDH055	144	146	13	80	8.00E-03	0.0013
TCDH055	146	148	38	70	7.00E-03	3.80E-03
TCDH055	148	150	31	70	7.00E-03	3.10E-03
TCDH055	150	152	32	730	7.30E-02	3.20E-03
TCDH055	152	154	40	120	0.012	4.00E-03
TCDH055	154	156	29	60	6.00E-03	0.0029
TCDH055	156	158	15	30	0.003	0.0015
TCDH055	158	160	31	40	4.00E-03	3.10E-03
TCDH055	160	162	56	300	3.00E-02	5.60E-03
TCDH055	162	164	21	180	1.80E-02	2.10E-03
TCDH055	164	166	30	50	5.00E-03	0.003
TCDH055	166	168	20	200	0.02	2.00E-03
TCDH055	168	170	28	40	4.00E-03	2.80E-03
TCDH055	170	172	38	50	5.00E-03	3.80E-03
TCDH055	172	174	24	30	0.003	2.40E-03
TCDH055	174	176	36	50	5.00E-03	3.60E-03
TCDH055	176	178	38	20	2.00E-03	3.80E-03
TCDH055	178	180	58	30	0.003	5.80E-03
TCDH055	180	182	84	10	0.001	8.40E-03
TCDH055	182	184	76	-10	-0.001	7.60E-03
TCDH055	184	186	29	30	0.003	0.0029
TCDH055	186	188	37	60	6.00E-03	0.0037
TCDH055	188	190	88	180	1.80E-02	0.0088
TCDH055	190	192	94	50	5.00E-03	9.40E-03
TCDH055	192	194	101	790	7.90E-02	0.0101
TCDH055	194	196	102	480	0.048	0.0102
TCDH055	196	198	87	320	3.20E-02	8.70E-03
TCDH055	198	200	40	130	0.013	4.00E-03
TCDH055	200	202	2	40	4.00E-03	2.00E-04
TCDH055	202	204	24	30	0.003	2.40E-03
TCDH055	204	206	27	50	5.00E-03	2.70E-03
TCDH055	206	208	6	-10	-0.001	6.00E-04
TCDH055	208	210	1	-10	-0.001	1.00E-04
TCDH055	210	212	24	-10	-0.001	2.40E-03
TCDH055	212	214	4	-10	-0.001	4.00E-04
TCDH055	214	216	26	-10	-0.001	0.0026
TCDH055	216	218	21	-10	-0.001	2.10E-03
TCDH055	218	220	8	-10	-0.001	8.00E-04
TCDH055	220	222	4	30	0.003	4.00E-04
TCDH055	222	224	10	120	0.012	0.001
TCDH055	224	226	55	550	0.055	0.0055
TCDH055	226	228	235	270	2.70E-02	2.35E-02
TCDH055	228	230	53	150	0.015	5.30E-03
TCDH055	230	232	6	120	0.012	6.00E-04
TCDH055	232	234	24	140	0.014	2.40E-03
TCDH055	234	236	-1	160	1.60E-02	-1.00E-04
TCDH055	236	238	12	170	1.70E-02	1.20E-03
TCDH055	238	240	12	190	1.90E-02	1.20E-03
TCDH055	240	242	15	110	0.011	0.0015
TCDH056	0	2	262	350	0.035	0.0262

TCDH056	2	4	246	330	0.033	2.46E-02
TCDH056	4	6	284	360	3.60E-02	0.0284
TCDH056	6	8	320	400	4.00E-02	3.20E-02
TCDH056	8	10	228	330	0.033	0.0228
TCDH056	10	12	429	500	5.00E-02	0.0429
TCDH056	12	14	605	450	4.50E-02	0.0605
TCDH056	14	16	400	480	0.048	4.00E-02
TCDH056	16	18	492	870	8.70E-02	4.92E-02
TCDH056	18	20	324	470	4.70E-02	3.24E-02
TCDH056	20	22	228	210	0.021	0.0228
TCDH056	22	24	170	120	0.012	1.70E-02
TCDH056	24	26	199	180	1.80E-02	0.0199
TCDH056	26	28	250	630	6.30E-02	0.025
TCDH056	28	30	286	1090	0.109	0.0286
TCDH056	30	31	274	14100	1.41	0.0274
TCDH056	31	32	276	72800	7.2800002	0.0276
TCDH056	32	33	196	2450	0.245	0.0196
TCDH056	33	34	219	1540	0.154	0.0219
TCDH056	34	35	195	1310	0.131	0.0195
TCDH056	35	36	198	1120	0.112	0.0198
TCDH056	36	37	355	1200	0.12	3.55E-02
TCDH056	37	38	232	2300	0.23	0.0232
TCDH056	38	39	204	3120	0.31200001	2.04E-02
TCDH056	39	40	390	2180	0.21799999	3.90E-02
TCDH056	40	41	596	16500	1.65	5.96E-02
TCDH056	41	42	302	25000	2.5	3.02E-02
TCDH056	42	43	241	28500	2.8499999	0.0241
TCDH056	43	44	255	21600	2.1600001	0.0255
TCDH056	44	45	287	32400	3.24	0.0287
TCDH056	45	46	288	10300	1.03	0.0288
TCDH056	46	47	280	1430	0.14300001	2.80E-02
TCDH056	47	48	343	1490	0.149	3.43E-02
TCDH056	48	49	1190	2520	0.252	0.119
TCDH056	49	50	460	1000	0.1	0.046
TCDH056	50	51	426	1100	0.11	4.26E-02
TCDH056	51	52	1690	1530	0.153	0.169
TCDH056	52	53	213	780	7.80E-02	2.13E-02
TCDH056	53	54	162	630	6.30E-02	0.0162
TCDH056	54	55	130	680	6.80E-02	0.013
TCDH056	55	56	147	1450	0.145	0.0147
TCDH056	56	57	308	1170	0.117	0.0308
TCDH056	57	58	178	920	0.092	0.0178
TCDH056	58	59	196	760	7.60E-02	0.0196
TCDH056	59	60	432	650	6.50E-02	4.32E-02
TCDH056	60	61	336	570	0.057	3.36E-02
TCDH056	61	62	311	560	5.60E-02	3.11E-02
TCDH056	62	63	212	440	0.044	2.12E-02
TCDH056	63	64	149	310	3.10E-02	0.0149
TCDH056	64	65	94	90	9.00E-03	9.40E-03
TCDH056	65	66	46	-10	-0.001	4.60E-03
TCDH056	66	67	28	-10	-0.001	2.80E-03
TCDH056	67	68	29	20	2.00E-03	0.0029
TCDH056	68	70	40	20	2.00E-03	4.00E-03
TCDH056	70	72	23	30	0.003	2.30E-03
TCDH056	72	74	69	20	2.00E-03	6.90E-03
TCDH056	74	76	96	260	2.60E-02	9.60E-03
TCDH056	76	78	147	220	0.022	0.0147
TCDH056	78	80	126	330	0.033	0.0126
TCDH056	80	82	125	630	6.30E-02	0.0125
TCDH056	82	84	114	730	7.30E-02	0.0114
TCDH056	84	86	134	800	8.00E-02	0.0134
TCDH056	86	88	134	720	7.20E-02	0.0134
TCDH056	88	90	169	710	7.10E-02	1.69E-02

TCDH056	90	92	153	610	6.10E-02	0.0153
TCDH056	92	94	168	510	5.10E-02	1.68E-02
TCDH056	94	96	292	700	0.07	2.92E-02
TCDH056	96	98	308	1020	0.102	0.0308
TCDH056	98	100	225	550	0.055	2.25E-02
TCDH056	100	102	293	580	5.80E-02	2.93E-02
TCDH056	102	103	64	440	0.044	6.40E-03
TCDH056	107	108	298	4110	0.41100001	0.0298
TCDH056	108	110	317	3620	0.36199999	0.0317
TCDH056	110	112	402	3790	0.37900001	4.02E-02
TCDH056	112	114	274	3730	0.373	0.0274
TCDH056	121	123	79	3110	0.31099999	7.90E-03
TCDH056	123	125	63	5050	0.505	0.0063
TCDH056	125	126	208	740	7.40E-02	0.0208
TCDH056	127	128	139	540	5.40E-02	0.0139
TCDH056	128	130	179	540	5.40E-02	1.79E-02
TCDH056	130	132	126	260	2.60E-02	0.0126
TCDH056	132	134	103	130	0.013	0.0103
TCDH056	134	135	173	240	0.024	0.0173
TCDH056	136	138	152	20	2.00E-03	0.0152
TCDH056	138	140	141	40	4.00E-03	0.0141
TCDH056	140	142	67	20	2.00E-03	6.70E-03
TCDH056	142	144	25	50	5.00E-03	2.50E-03
TCDH056	144	146	109	2130	0.213	0.0109
TCDH056	146	148	15	510	5.10E-02	0.0015
TCDH056	148	150	33	330	0.033	0.0033
TCDH056	150	152	30	290	2.90E-02	0.003
TCDH056	157	158	75	23300	2.3299999	7.50E-03
TCDH056	158	159	260	7650	0.76499999	2.60E-02
TCDH056	159	160	178	1140	0.114	0.0178
TCDH056	160	161	409	4880	0.48800001	4.09E-02
TCDH056	161	162	282	10700	1.0700001	2.82E-02
TCDH056	162	163	922	7200	0.72000003	9.22E-02
TCDH056	163	164	632	920	0.092	6.32E-02
TCDH056	164	165	1510	4710	0.47099999	0.15099999
TCDH056	165	166	909	1790	0.17900001	9.09E-02
TCDH056	166	167	667	2600	0.25999999	6.67E-02
TCDH056	167	168	150	7400	0.74000001	0.015
TCDH056	168	169	816	58800	5.8800001	8.16E-02
TCDH056	169	170	235	21200	2.1199999	2.35E-02
TCDH056	170	171	16	5240	0.52399999	0.0016
TCDH056	171	172	43	22300	2.23	4.30E-03
TCDH056	172	173	65	15100	1.51	6.50E-03
TCDH056	173	174	47	12700	1.27	4.70E-03
TCDH056	174	175	43	11600	1.16	4.30E-03
TCDH056	175	176	31	880	0.088	3.10E-03
TCDH056	176	177	4	1190	0.119	4.00E-04
TCDH056	177	178	37	1740	0.17399999	0.0037
TCDH056	178	179	50	8910	0.89099997	5.00E-03
TCDH056	179	180	33	10800	1.08	0.0033
TCDH056	180	181	156	3130	0.31299999	0.0156
TCDH056	181	182	213	2490	0.249	2.13E-02
TCDH056	182	183	54	3910	0.391	5.40E-03
TCDH056	183	184	31	10700	1.0700001	3.10E-03
TCDH056	184	185	18	18600	1.86	0.0018
TCDH056	185	186	23	8120	0.81199998	2.30E-03
TCDH056	186	187	37	4790	0.479	0.0037
TCDH056	187	188	24	2800	0.28	2.40E-03
TCDH056	188	189	6	3640	0.36399999	6.00E-04
TCDH056	189	190	22	6930	0.69300002	0.0022
TCDH056	190	191	28	14100	1.41	2.80E-03
TCDH056	191	192	21	11600	1.16	2.10E-03
TCDH056	192	193	127	18600	1.86	0.0127

TCDH056	193	194	22	4770	0.477	0.0022
TCDH056	194	195	71	3620	0.36199999	0.0071
TCDH056	195	196	86	3790	0.37900001	8.60E-03
TCDH056	196	197	35	5350	0.53500003	3.50E-03
TCDH056	197	198	559	3900	0.38999999	0.0559
TCDH056	198	199	37	420	4.20E-02	0.0037
TCDH056	199	200	32	190	1.90E-02	3.20E-03
TCDH056	200	201	125	550	0.055	0.0125
TCDH056	201	202	49	580	5.80E-02	4.90E-03
TCDH056	202	204	36	630	6.30E-02	3.60E-03
TCDH056	204	206	27	90	9.00E-03	2.70E-03
TCDH056	206	208	59	260	2.60E-02	5.90E-03
TCDH056	208	210	419	1880	0.18799999	4.19E-02
TCDH056	210	212	38	50	5.00E-03	3.80E-03
TCDH056	212	214	58	90	9.00E-03	5.80E-03
TCDH056	214	215	31	30	0.003	3.10E-03
TCDH057	0	1	166	2040	0.204	0.0166
TCDH057	1	2	1040	9650	0.96499997	0.104
TCDH057	2	3	124	3220	0.322	0.0124
TCDH057	3	4	581	21700	2.1700001	0.0581
TCDH057	4	5	681	22000	2.2	6.81E-02
TCDH057	5	6	341	19200	1.92	0.0341
TCDH057	6	7	522	52700	5.27	5.22E-02
TCDH057	7	8	925	116000	11.6	9.25E-02
TCDH057	8	9	1050	50100	5.0100002	0.105
TCDH057	9	10	603	54700	5.4699998	0.0603
TCDH057	10	11	267	49700	4.9699998	2.67E-02
TCDH057	11	12	137	29100	2.9100001	0.0137
TCDH057	12	13	361	61400	6.1399999	0.0361
TCDH057	13	14	281	55500	5.5500002	2.81E-02
TCDH057	14	15	174	13000	1.3	0.0174
TCDH057	15	16	165	18700	1.87	0.0165
TCDH057	16	17	215	7750	0.77499998	2.15E-02
TCDH057	17	18	708	24300	2.4300001	7.08E-02
TCDH057	18	19	85	16700	1.67	8.50E-03
TCDH057	19	20	148	18600	1.86	0.0148
TCDH057	20	21	74	3980	0.398	0.0074
TCDH057	21	22	252	9620	0.96200001	0.0252
TCDH057	22	23	831	9740	0.97399998	8.31E-02
TCDH057	23	24	537	21000	2.0999999	0.0537
TCDH057	24	25	575	70800	7.0799999	5.75E-02
TCDH057	25	26	1470	88200	8.8199997	0.147
TCDH057	26	27	78	45200	4.52	7.80E-03
TCDH057	27	28	-1	19100	1.91	-1.00E-04
TCDH057	28	29	129	13400	1.34	0.0129
TCDH057	29	30	141	24400	2.4400001	0.0141
TCDH057	30	31	132	37500	3.75	0.0132
TCDH057	31	32	1140	114000	11.4	0.114
TCDH057	32	33	681	62300	6.23	6.81E-02
TCDH057	33	34	285	52200	5.2199998	0.0285
TCDH057	34	35	904	141000	14.1	9.04E-02
TCDH057	35	36	879	114000	11.4	8.79E-02
TCDH057	36	37	693	47500	4.75	6.93E-02
TCDH057	37	38	241	15100	1.51	0.0241
TCDH057	38	39	939	73100	7.3099999	9.39E-02
TCDH057	39	40	329	11300	1.13	3.29E-02
TCDH057	40	41	277	26200	2.6199999	0.0277
TCDH057	41	42	1240	149000	14.9	0.124
TCDH057	42	43	885	67900	6.79	8.85E-02
TCDH057	43	44	1390	44900	4.4899998	0.139
TCDH057	44	45	352	39700	3.97	0.0352
TCDH057	45	46	931	117000	11.7	9.31E-02
TCDH057	46	47	1240	151000	15.1	0.124

TCDH057	47	48	1780	99300	9.9300003	0.178
TCDH057	48	49	251	57400	5.7399998	0.0251
TCDH057	49	50	185	80800	8.0799999	0.0185
TCDH057	50	51	180	36200	3.6199999	1.80E-02
TCDH057	51	52	229	12100	1.21	0.0229
TCDH057	52	53	657	7940	0.79400003	6.57E-02
TCDH057	53	54	4030	40300	4.0300002	0.403
TCDH057	54	55	1220	46600	4.6599998	0.122
TCDH057	55	56	1120	53500	5.3499999	0.112
TCDH057	56	58	1010	24000	2.4000001	0.101
TCDH057	58	60	447	24100	2.4100001	0.0447
TCDH057	60	61	1320	36900	3.6900001	0.132
TCDH057	61	62	312	22100	2.21	3.12E-02
TCDH057	62	64	452	29000	2.9000001	4.52E-02
TCDH057	64	66	3510	16500	1.65	0.35100001
TCDH057	66	68	7370	30100	3.01	0.73699999
TCDH057	68	70	4960	69300	6.9299998	0.49599999
TCDH057	70	72	8690	33500	3.3499999	0.86900002
TCDH057	72	73	9150	32900	3.29	0.91500002
TCDH057	73	74	9990	20300	2.03	0.99900001
TCDH057	74	75	13100	21200	2.1199999	1.3099999
TCDH057	75	76	8650	49800	4.98	0.86500001
TCDH057	76	77	3360	48000	4.8000002	0.336
TCDH057	77	78	3470	35900	3.5899999	0.347
TCDH057	78	79	5150	26000	2.5999999	0.51499999
TCDH057	79	80	2110	19400	1.9400001	0.211
TCDH057	80	81	4480	36800	3.6800001	0.44800001
TCDH057	81	82	3570	18800	1.88	0.35699999
TCDH057	82	83	11500	22900	2.29	1.15
TCDH057	83	84	7340	23200	2.3199999	0.73400003
TCDH057	84	85	4960	31400	3.1400001	0.49599999
TCDH057	85	86	9540	26300	2.6300001	0.954
TCDH057	86	87	5300	19200	1.92	0.52999997
TCDH057	87	88	6790	19600	1.96	0.67900002
TCDH057	88	89	2760	22800	2.28	0.27599999
TCDH057	89	90	13900	57500	5.75	1.39
TCDH057	90	91	45000	97400	9.7399998	4.5
TCDH057	91	92	154	3580	0.35800001	0.0154
TCDH057	92	93	32	2080	0.208	3.20E-03
TCDH057	93	94	48	5400	0.54000002	4.80E-03
TCDH057	94	95	259	4310	0.43099999	2.59E-02
TCDH057	95	96	1290	3800	0.38	0.12899999
TCDH057	96	97	830	10600	1.0599999	8.30E-02
TCDH057	97	98	1720	61000	6.0999999	0.17200001
TCDH057	98	99	3210	57400	5.7399998	0.32100001
TCDH057	99	100	5470	20100	2.01	0.54699999
TCDH057	100	101	4890	15000	1.5	0.48899999
TCDH057	101	102	6420	26800	2.6800001	0.64200002
TCDH057	102	103	5930	28800	2.8800001	0.59299999
TCDH057	103	104	8920	23400	2.3399999	0.89200002
TCDH057	104	105	2150	31400	3.1400001	0.215
TCDH057	105	106	2820	38400	3.8399999	0.28200001
TCDH057	106	107	6420	27100	2.71	0.64200002
TCDH057	107	108	8020	1950	0.19499999	0.80199999
TCDH057	108	109	6330	950	9.50E-02	0.63300002
TCDH057	109	110	9080	7290	0.72899997	0.90799999
TCDH057	110	111	6990	18100	1.8099999	0.699
TCDH057	111	112	7550	18100	1.8099999	0.755
TCDH057	112	113	8680	7330	0.73299998	0.86799997
TCDH057	113	114	5370	5180	0.51800001	0.537
TCDH057	114	115	3110	890	8.90E-02	0.31099999
TCDH057	115	116	7060	3980	0.398	0.70599997
TCDH057	116	117	3190	2530	0.25299999	0.31900001

TCDH057	117	118	1090	280	2.80E-02	0.109
TCDH057	118	120	745	120	0.012	7.45E-02
TCDH057	120	121	2560	4560	0.456	0.25600001
TCDH057	121	122	1630	38700	3.8699999	0.163
TCDH057	122	123	323	8390	0.83899999	3.23E-02
TCDH057	123	124	50	130	0.013	5.00E-03
TCDH057	124	126	169	970	9.70E-02	1.69E-02
TCDH057	126	128	37	260	2.60E-02	0.0037
TCDH057	128	130	18	510	5.10E-02	0.0018
TCDH057	130	132	39	-10	-0.001	3.90E-03
TCDH057	132	134	1160	890	8.90E-02	0.116
TCDH057	134	136	228	1000	0.1	0.0228
TCDH057	136	138	15	50	5.00E-03	0.0015
TCDH057	138	140	8	-10	-0.001	8.00E-04
TCDH057	140	142	-1	-10	-0.001	-1.00E-04
TCDH057	142	144	-1	20	2.00E-03	-1.00E-04
TCDH057	144	146	-1	10	0.001	-1.00E-04
TCDH057	146	148	-1	60	6.00E-03	-1.00E-04
TCDH057	148	150	108	90	9.00E-03	0.0108
TCDH057	150	152	26	-10	-0.001	0.0026
TCDH057	152	154	33	50	5.00E-03	0.0033
TCDH057	154	156	30	80	8.00E-03	0.003
TCDH057	156	158	8	-10	-0.001	8.00E-04
TCDH057	158	160	50	230	0.023	5.00E-03
TCDH057	160	162	61	290	2.90E-02	6.10E-03
TCDH057	162	164	127	-10	-0.001	0.0127
TCDH057	164	166	57	10	0.001	5.70E-03
TCDH057	166	168	65	380	3.80E-02	6.50E-03
TCDH057	168	170	5	390	3.90E-02	5.00E-04
TCDH057	170	171	20	320	3.20E-02	2.00E-03
TCDH057	171	172	45	1230	0.123	4.50E-03
TCDH057	172	173	184	2640	0.264	0.0184
TCDH057	173	174	10	910	9.10E-02	0.001
TCDH057	174	175	38	1570	0.15700001	3.80E-03
TCDH057	175	176	24	940	9.40E-02	2.40E-03
TCDH057	176	177	62	1000	0.1	6.20E-03
TCDH057	177	178	80	740	7.40E-02	8.00E-03
TCDH057	178	180	132	80	8.00E-03	0.0132
TCDH057	180	182	117	60	6.00E-03	0.0117
TCDH057	182	184	44	130	0.013	0.0044
TCDH057	184	186	25	30	0.003	2.50E-03
TCDH057	186	188	14	-10	-0.001	0.0014
TCDH057	188	190	121	80	8.00E-03	0.0121
TCDH057	190	192	33	-10	-0.001	0.0033
TCDH057	192	193	158	590	0.059	1.58E-02
TCDH057	193	194	10	670	6.70E-02	0.001
TCDH057	194	195	43	940	9.40E-02	4.30E-03
TCDH057	195	196	61	580	5.80E-02	6.10E-03
TCDH057	196	197	27	900	9.00E-02	2.70E-03
TCDH057	197	198	38	230	0.023	3.80E-03
TCDH057	198	199	48	4510	0.45100001	4.80E-03
TCDH057	199	200	102	7900	0.79000002	0.0102
TCDH057	200	201	42	12500	1.25	4.20E-03
TCDH057	201	202	29	8870	0.88700002	0.0029
TCDH057	202	203	11	1440	0.14399999	0.0011
TCDH057	203	204	58	1610	0.161	5.80E-03
TCDH057	204	205	83	600	6.00E-02	8.30E-03
TCDH057	205	206	99	3150	0.315	9.90E-03
TCDH057	206	207	162	2210	0.221	0.0162
TCDH057	207	208	76	2450	0.245	7.60E-03
TCDH057	208	209	25	570	0.057	2.50E-03
TCDH057	209	210	50	350	0.035	5.00E-03
TCDH057	210	211	26	670	6.70E-02	0.0026

TCDH057	211	212	503	2800	0.28	5.03E-02
TCDH057	212	213	14	990	9.90E-02	0.0014
TCDH057	213	214	20	1290	0.12899999	2.00E-03
TCDH057	214	215	-1	1130	0.113	-1.00E-04
TCDH057	215	216	139	4830	0.48300001	0.0139
TCDH057	216	217	60	3260	0.32600001	6.00E-03
TCDH057	217	218	10	2660	0.266	0.001
TCDH057	218	219	102	4740	0.47400001	0.0102
TCDH057	219	220	135	5650	0.565	0.0135
TCDH057	220	221	29	2290	0.229	0.0029
TCDH057	221	222	97	930	9.30E-02	9.70E-03
TCDH057	222	223	86	940	9.40E-02	8.60E-03
TCDH057	223	224	853	5580	0.55800003	8.53E-02
TCDH057	224	225	1090	4260	0.426	0.109
TCDH057	225	226	587	7800	0.77999997	5.87E-02
TCDH057	226	227	1050	10100	1.01	0.105
TCDH057	227	228	53	2650	0.26499999	5.30E-03
TCDH057	228	229	50	1280	0.12800001	5.00E-03
TCDH057	229	230	129	13800	1.38	0.0129
TCDH057	230	231	52	6550	0.65499997	0.0052
TCDH057	231	232	39	3000	0.30000001	3.90E-03
TCDH057	232	233	82	7800	0.77999997	0.0082
TCDH057	233	234	30	2770	0.27700001	0.003
TCDH057	234	235	35	3030	0.303	3.50E-03
TCDH057	235	236	30	5310	0.53100002	0.003
TCDH057	236	237	123	5110	0.51099998	0.0123
TCDH057	237	238	36	4780	0.47799999	3.60E-03
TCDH057	238	239	133	12000	1.2	0.0133
TCDH057	239	240	35	5620	0.56199998	3.50E-03
TCDH057	240	241	66	1390	0.139	0.0066
TCDH057	241	242	475	3890	0.389	4.75E-02
TCDH057	242	243	943	1100	0.11	9.43E-02
TCDH057	243	244	1210	710	7.10E-02	0.121
TCDH057	244	245	44	400	4.00E-02	0.0044
TCDH057	245	246	340	1080	0.108	3.40E-02
TCDH057	246	247	1020	2330	0.233	0.102
TCDH057	247	248	201	1870	0.18700001	2.01E-02
TCDH057	248	249	685	3360	0.336	6.85E-02
TCDH057	249	250	214	1400	0.14	2.14E-02
TCDH057	250	251	753	1660	0.16599999	7.53E-02
TCDH057	251	252	1980	3480	0.34799999	0.198
TCDH057	252	253	201	5710	0.57099998	2.01E-02
TCDH057	253	254	212	2900	0.28999999	2.12E-02
TCDH057	254	255	141	2870	0.287	0.0141
TCDH057	255	256	54	2110	0.211	5.40E-03
TCDH057	256	257	158	3250	0.32499999	1.58E-02
TCDH057	257	258	72	1570	0.15700001	7.20E-03
TCDH057	258	259	32	1530	0.153	3.20E-03
TCDH057	259	260	84	3690	0.36899999	8.40E-03
TCDH057	260	261	60	2660	0.266	6.00E-03
TCDH057	261	262	183	1330	0.133	1.83E-02
TCDH057	262	263	139	610	6.10E-02	0.0139
TCDH057	263	264	288	1240	0.124	0.0288
TCDH057	264	265	249	2740	0.27399999	2.49E-02
TCDH057	265	266	332	1500	0.15000001	3.32E-02
TCDH057	266	267	190	1870	0.18700001	1.90E-02
TCDH057	267	268	213	3080	0.308	2.13E-02
TCDH057	268	269	197	2760	0.27599999	0.0197
TCDH057	269	270	89	950	9.50E-02	8.90E-03
TCDH057	270	271	286	1750	0.175	0.0286
TCDH057	271	272	55	1750	0.175	0.0055
TCDH057	272	273	64	1700	0.17	6.40E-03
TCDH057	273	274	102	330	0.033	0.0102

TCDH057	274	275	236	470	4.70E-02	2.36E-02
TCDH057	275	276	175	200	0.02	0.0175
TCDH057	276	277	139	990	9.90E-02	0.0139
TCDH057	277	278	156	1510	0.15099999	0.0156
TCDH057	278	279	193	2340	0.234	1.93E-02
TCDH057	279	280	448	2620	0.26199999	4.48E-02
TCDH057	280	281	290	1890	0.189	2.90E-02
TCDH057	281	282	269	11200	1.12	2.69E-02
TCDH057	282	283	105	4350	0.435	0.0105
TCDH057	283	284	38	1380	0.138	3.80E-03
TCDH057	284	285	48	1570	0.15700001	4.80E-03
TCDH057	285	286	140	1210	0.121	0.014
TCDH057	286	287	429	2100	0.20999999	0.0429
TCDH057	287	288	403	3440	0.34400001	0.0403
TCDH057	288	289	263	1100	0.11	0.0263
TCDH057	289	290	284	2600	0.25999999	0.0284
TCDH057	290	291	1050	6370	0.63700002	0.105
TCDH057	291	292	617	880	0.088	6.17E-02
TCDH057	292	293	604	670	6.70E-02	6.04E-02
TCDH057	293	294	303	140	0.014	3.03E-02
TCDH057	294	295	1100	1150	0.115	0.11
TCDH057	295	296	254	1620	0.162	0.0254
TCDH057	296	297	97	790	7.90E-02	9.70E-03
TCDH057	297	298	163	3020	0.30199999	0.0163
TCDH057	298	299	292	2640	0.264	2.92E-02
TCDH057	299	300	581	4520	0.45199999	0.0581
TCDH057	300	301	317	3250	0.32499999	0.0317
TCDH057	301	302	356	1650	0.16500001	3.56E-02
TCDH057	302	303	288	1490	0.149	0.0288
TCDH057	303	304	248	1190	0.119	2.48E-02
TCDH057	304	305	253	1270	0.127	0.0253
TCDH057	305	306	220	1190	0.119	0.022
TCDH057	306	307	225	1070	0.107	2.25E-02
TCDH057	307	308	219	980	9.80E-02	0.0219
TCDH057	308	309	193	850	8.50E-02	1.93E-02
TCDH057	309	310	217	810	0.081	0.0217
TCDH057	310	311	183	740	7.40E-02	1.83E-02
TCDH057	311	312	214	880	0.088	2.14E-02
TCDH057	312	313	194	680	6.80E-02	1.94E-02
TCDH057	313	314	110	310	3.10E-02	0.011
TCDH057	314	315	38	200	0.02	3.80E-03
TCDH057	315	316	29	110	0.011	0.0029
TCDH057	316	317	48	3520	0.352	4.80E-03
TCDH057	317	318	242	420	4.20E-02	0.0242
TCDH057	318	319	233	610	6.10E-02	0.0233
TCDH057	319	320	251	1190	0.119	0.0251
TCDH057	320	321	212	700	0.07	2.12E-02
TCDH057	321	322	165	490	4.90E-02	0.0165
TCDH057	322	323	65	420	4.20E-02	6.50E-03
TCDH057	323	324	68	1230	0.123	6.80E-03
TCDH057	324	325	80	2270	0.227	8.00E-03
TCDH057	325	326	33	2230	0.223	0.0033
TCDH057	326	327	42	2880	0.28799999	4.20E-03
TCDH057	327	328	36	2180	0.21799999	3.60E-03
TCDH057	328	329	40	2020	0.20200001	4.00E-03
TCDH057	329	330	45	1590	0.15899999	4.50E-03
TCDH057	330	331	46	1600	0.16	4.60E-03
TCDH057	331	332	31	1690	0.169	3.10E-03
TCDH057	332	333	68	750	7.50E-02	6.80E-03
TCDH057	333	334	121	580	5.80E-02	0.0121
TCDH057	334	335	94	1340	0.134	9.40E-03
TCDH057	335	336	171	2380	0.23800001	1.71E-02
TCDH057	336	337	174	940	9.40E-02	0.0174

TCDH057	337	338	125	290	2.90E-02	0.0125
TCDH057	338	339	199	280	2.80E-02	0.0199
TCDH057	339	340	233	770	0.077	0.0233
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TCDH057	341	342	58	1360	0.13600001	5.80E-03
TCDH057	342	343	62	890	8.90E-02	6.20E-03
TCDH057	343	344	68	890	8.90E-02	6.80E-03
TCDH057	344	345	49	790	7.90E-02	4.90E-03
TCDH057	345	346	58	840	8.40E-02	5.80E-03
TCDH057	346	347	58	780	7.80E-02	5.80E-03
TCDH057	347	348	71	1280	0.12800001	0.0071
TCDH057	348	349	49	1090	0.109	4.90E-03
TCDH057	349	350	40	1140	0.114	4.00E-03
TCDH057	350	351	46	500	5.00E-02	4.60E-03
TCDH057	351	352	31	830	8.30E-02	3.10E-03
TCDH057	352	353	49	1290	0.12899999	4.90E-03
TCDH057	353	354	30	1290	0.12899999	0.003
TCDH057	354	355	55	820	8.20E-02	0.0055
TCDH057	355	356	69	1070	0.107	6.90E-03
TCDH057	356	357	47	460	0.046	4.70E-03
TCDH057	357	358	69	210	0.021	6.90E-03
TCDH057	358	359	111	120	0.012	0.0111
TCDH057	359	360	65	330	0.033	6.50E-03
TCDH057	360	362	48	180	1.80E-02	4.80E-03
TCDH057	362	364	47	190	1.90E-02	4.70E-03
TCDH057	364	366	63	70	7.00E-03	0.0063
TCDH057	366	368	74	30	0.003	0.0074
TCDH057	368	370	79	40	4.00E-03	7.90E-03
TCDH057	370	372	50	10	0.001	5.00E-03
TCDH057	372	374	71	20	2.00E-03	0.0071
TCDH057	374	376	58	10	0.001	5.80E-03
TCDH057	376	378	51	20	2.00E-03	5.10E-03
TCDH057	378	380	62	20	2.00E-03	6.20E-03
TCDH057	380	382	34	10	0.001	0.0034
TCDH057	382	384	20	30	0.003	2.00E-03
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TCDH057	386	388	151	880	0.088	0.0151
TCDH058	0	2	2340	4080	0.40799999	0.234
TCDH058	2	4	5470	6150	0.61500001	0.54699999
TCDH058	4	6	4750	3830	0.38299999	0.47499999
TCDH058	6	8	3560	3480	0.34799999	0.35600001
TCDH058	8	10	1560	2500	0.25	0.156
TCDH058	10	12	1380	2150	0.215	0.138
TCDH058	12	14	1840	2890	0.289	0.184
TCDH058	14	16	3670	3600	0.36000001	0.36700001
TCDH058	16	18	59300	18100	1.8099999	5.9299998
TCDH058	18	19	108000	88600	8.8599997	10.8
TCDH058	19	20	100000	171000	17.1	10
TCDH058	20	21	32000	62300	6.23	3.2
TCDH058	21	22	18700	21800	2.1800001	1.87
TCDH058	22	23	80400	40100	4.0100002	8.04
TCDH058	23	24	19700	32600	3.26	1.97
TCDH058	24	25	11600	36400	3.6400001	1.16
TCDH058	25	26	482	3280	0.32800001	0.0482
TCDH058	26	27	831	9370	0.93699998	8.31E-02
TCDH058	27	28	826	12300	1.23	8.26E-02
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TCDH058	29	30	113	3230	0.32300001	0.0113
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TCDH058	31	32	41	2440	0.244	0.0041
TCDH058	32	34	56	1970	0.197	5.60E-03
TCDH058	34	36	46	1490	0.149	4.60E-03
TCDH058	36	38	30	2700	0.27000001	0.003

TCDH058	38	40	11	2370	0.237	0.0011
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TCDH058	43	45	77	2920	0.292	0.0077
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TCDH058	47	49	125	2260	0.226	0.0125
TCDH058	49	50	64	3270	0.32699999	6.40E-03
TCDH058	59	61	306	1760	0.176	0.0306
TCDH058	61	63	73	410	4.10E-02	7.30E-03
TCDH058	63	65	202	1130	0.113	2.02E-02
TCDH058	65	67	168	5110	0.51099998	1.68E-02
TCDH058	67	69	93	100	1.00E-02	0.0093
TCDH058	69	71	85	40	4.00E-03	8.50E-03
TCDH058	71	73	71	170	1.70E-02	0.0071
TCDH058	73	75	45	50	5.00E-03	4.50E-03
TCDH058	76	78	56	420	4.20E-02	5.60E-03
TCDH058	78	80	98	60	6.00E-03	9.80E-03
TCDH058	82	84	237	570	0.057	2.37E-02
TCDH058	84	86	226	480	0.048	2.26E-02
TCDH058	86	88	28	20	2.00E-03	2.80E-03
TCDH058	88	90	34	20	2.00E-03	0.0034
TCDH058	92	94	14	10	0.001	0.0014
TCDH058	94	96	23	40	4.00E-03	2.30E-03
TCDH058	97	98	48	80	8.00E-03	4.80E-03
TCDH058	98	100	37	90	9.00E-03	0.0037
TCDH058	100	102	52	110	0.011	0.0052
TCDH058	102	104	69	950	9.50E-02	6.90E-03
TCDH058	104	106	51	590	0.059	5.10E-03
TCDH058	106	108	113	370	0.037	0.0113
TCDH058	108	110	79	30	0.003	7.90E-03
TCDH058	110	112	135	260	2.60E-02	0.0135
TCDH058	112	114	93	430	4.30E-02	0.0093
TCDH058	114	116	137	70	7.00E-03	0.0137
TCDH058	116	118	115	90	9.00E-03	0.0115
TCDH058	118	120	91	1180	0.118	9.10E-03
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TCDH058	122	124	21	50	5.00E-03	2.10E-03
TCDH058	124	126	25	70	7.00E-03	2.50E-03
TCDH058	126	128	87	80	8.00E-03	8.70E-03
TCDH058	128	130	123	20	2.00E-03	0.0123
TCDH058	130	131	134	20	2.00E-03	0.0134
TCDH058	131	132	1180	4350	0.435	0.118
TCDH058	132	133	151	180	1.80E-02	0.0151
TCDH058	133	134	30	30	0.003	0.003
TCDH058	134	135	26	20	2.00E-03	0.0026
TCDH058	135	136	37	70	7.00E-03	0.0037
TCDH058	136	137	26	40	4.00E-03	0.0026
TCDH058	137	138	23	-10	-0.001	2.30E-03
TCDH058	138	139	18	110	0.011	0.0018
TCDH058	139	140	39	90	9.00E-03	3.90E-03
TCDH058	140	141	43	110	0.011	4.30E-03
TCDH058	141	142	32	180	1.80E-02	3.20E-03
TCDH058	142	143	72	80	8.00E-03	7.20E-03
TCDH058	143	144	42	90	9.00E-03	4.20E-03
TCDH058	144	145	19	220	0.022	0.0019
TCDH058	145	146	33	130	0.013	0.0033
TCDH058	146	147	58	220	0.022	5.80E-03
TCDH058	147	148	17	30	0.003	0.0017
TCDH058	148	149	18	30	0.003	0.0018
TCDH058	149	150	65	190	1.90E-02	6.50E-03
TCDH058	150	151	118	110	0.011	0.0118
TCDH058	151	152	55	170	1.70E-02	0.0055
TCDH058	152	153	53	220	0.022	5.30E-03
TCDH058	153	154	45	120	0.012	4.50E-03

TCDH058	154	155	40	80	8.00E-03	4.00E-03
TCDH058	155	156	72	40	4.00E-03	7.20E-03
TCDH058	156	157	77	30	0.003	0.0077
TCDH058	157	158	84	80	8.00E-03	8.40E-03
TCDH058	158	159	34	580	5.80E-02	0.0034
TCDH058	159	160	17	460	0.046	0.0017
TCDH058	160	161	21	90	9.00E-03	2.10E-03
TCDH058	161	162	20	120	0.012	2.00E-03
TCDH058	162	163	58	510	5.10E-02	5.80E-03
TCDH058	163	164	65	370	0.037	6.50E-03
TCDH058	164	165	308	1660	0.16599999	0.0308
TCDH058	165	166	184	200	0.02	0.0184
TCDH058	166	167	263	570	0.057	0.0263
TCDH058	167	168	43	1300	0.13	4.30E-03
TCDH058	168	169	28	370	0.037	2.80E-03
TCDH058	169	170	61	350	0.035	6.10E-03
TCDH058	170	171	71	390	3.90E-02	0.0071
TCDH058	171	172	48	400	4.00E-02	4.80E-03
TCDH058	172	173	102	450	4.50E-02	0.0102
TCDH058	173	174	77	1130	0.113	0.0077
TCDH058	174	175	847	23900	2.3900001	8.47E-02
TCDH058	175	176	39	1260	0.126	3.90E-03
TCDH058	176	177	39	440	0.044	3.90E-03
TCDH058	177	178	41	760	7.60E-02	0.0041
TCDH058	178	179	43	240	0.024	4.30E-03
TCDH058	179	180	21	70	7.00E-03	2.10E-03
TCDH058	180	181	94	70	7.00E-03	9.40E-03
TCDH058	181	182	82	40	4.00E-03	0.0082
TCDH058	182	183	46	80	8.00E-03	4.60E-03
TCDH058	183	184	56	460	0.046	5.60E-03
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TCDH058	187	188	18	50	5.00E-03	0.0018
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TCDH059	62	63	910	30200	3.02	9.10E-02
TCDH059	63	64	960	26100	2.6099999	9.60E-02
TCDH059	64	65	1860	127000	12.7	0.186
TCDH059	65	66	1810	72300	7.23	0.18099999
TCDH059	66	67	2460	83600	8.3599997	0.24600001
TCDH059	67	68	1950	67200	6.7199998	0.19499999
TCDH059	68	69	1030	52100	5.21	0.103
TCDH059	69	70	139	49900	4.9899998	0.0139
TCDH059	70	71	81	10100	1.01	8.10E-03
TCDH059	71	72	108	56600	5.6599998	0.0108
TCDH059	72	73	229	92500	9.25	0.0229
TCDH059	73	74	107	99000	9.8999996	0.0107
TCDH059	74	75	396	60700	6.0700002	0.0396
TCDH059	75	76	228	32600	3.26	0.0228
TCDH059	76	77	199	44600	4.46	0.0199
TCDH059	77	78	613	41700	4.1700001	6.13E-02
TCDH059	78	79	1300	30400	3.04	0.13
TCDH059	79	80	1050	14700	1.47	0.105
TCDH059	80	82	84	370	0.037	8.40E-03
TCDH059	82	84	26	80	8.00E-03	0.0026
TCDH059	84	86	26	60	6.00E-03	0.0026
TCDH059	86	88	216	9080	0.90799999	2.16E-02
TCDH059	88	90	7	600	6.00E-02	7.00E-04
TCDH059	90	91	212	2970	0.29699999	2.12E-02
TCDH059	91	92	3210	22300	2.23	0.32100001
TCDH059	92	93	1200	25300	2.53	0.12
TCDH059	93	94	658	19000	1.9	6.58E-02
TCDH059	94	95	1110	35600	3.5599999	0.111
TCDH059	95	96	2540	57100	5.71	0.25400001
TCDH059	96	97	507	26300	2.6300001	5.07E-02
TCDH059	97	98	412	26400	2.6400001	4.12E-02
TCDH059	98	99	92	16100	1.61	9.20E-03
TCDH059	99	100	211	2520	0.252	0.0211
TCDH059	100	101	108	15900	1.59	0.0108
TCDH059	101	102	119	11600	1.16	0.0119
TCDH059	102	103	267	35200	3.52	2.67E-02
TCDH059	103	104	43	13100	1.3099999	4.30E-03
TCDH059	104	105	40	7030	0.70300001	4.00E-03
TCDH059	105	106	35	6110	0.611	3.50E-03
TCDH059	106	107	37	3890	0.389	0.0037
TCDH059	107	108	30	68100	6.8099999	0.003
TCDH059	108	109	98	89600	8.96	9.80E-03
TCDH059	109	110	37	4480	0.44800001	0.0037
TCDH059	110	111	49	5970	0.597	4.90E-03
TCDH059	111	112	94	19500	1.95	9.40E-03
TCDH059	112	113	84	24000	2.4000001	8.40E-03
TCDH059	113	114	46	19000	1.9	4.60E-03
TCDH059	114	115	98	7400	0.74000001	9.80E-03
TCDH059	115	116	55	4870	0.48699999	0.0055
TCDH059	116	117	44	5990	0.59899998	0.0044
TCDH059	117	118	29	4860	0.486	0.0029
TCDH059	118	119	39	2800	0.28	3.90E-03
TCDH059	119	120	43	2960	0.296	4.30E-03
TCDH059	120	121	38	4940	0.49399999	3.80E-03

TCDH059	121	122	57	10200	1.02	5.70E-03
TCDH059	122	123	48	8920	0.89200002	4.80E-03
TCDH059	123	124	27	11700	1.17	2.70E-03
TCDH059	124	125	117	14300	1.4299999	0.0117
TCDH059	125	126	13	10700	1.0700001	0.0013
TCDH059	126	127	30	18200	1.8200001	0.003
TCDH059	127	128	67	2220	0.222	6.70E-03
TCDH059	128	129	27	3420	0.34200001	2.70E-03
TCDH059	129	130	21	4030	0.403	2.10E-03
TCDH059	130	131	35	2380	0.23800001	3.50E-03
TCDH059	131	132	60	3530	0.35299999	6.00E-03
TCDH059	132	133	47	2110	0.211	4.70E-03
TCDH059	133	134	48	4010	0.40099999	4.80E-03
TCDH059	134	135	26	6140	0.61400002	0.0026
TCDH059	135	136	44	4110	0.41100001	0.0044
TCDH059	136	137	35	7410	0.741	3.50E-03
TCDH059	137	138	38	10600	1.0599999	3.80E-03
TCDH059	138	139	22	12200	1.22	0.0022
TCDH059	139	140	14	13500	1.35	0.0014
TCDH059	140	141	21	8230	0.82300001	2.10E-03
TCDH059	141	142	32	4080	0.40799999	3.20E-03
TCDH059	142	143	31	4810	0.48100001	3.10E-03
TCDH059	143	144	30	4420	0.442	0.003
TCDH059	144	145	32	4020	0.40200001	3.20E-03
TCDH059	145	146	39	4090	0.40900001	3.90E-03
TCDH059	146	147	33	5610	0.56099999	0.0033
TCDH059	147	148	38	7830	0.78299999	3.80E-03
TCDH059	148	149	24	14100	1.41	2.40E-03
TCDH059	149	150	26	19100	1.91	0.0026
TCDH059	150	151	24	17300	1.73	2.40E-03
TCDH059	151	152	28	7150	0.71499997	2.80E-03
TCDH059	152	153	47	5770	0.57700002	4.70E-03
TCDH059	153	154	87	10800	1.08	8.70E-03
TCDH059	154	155	87	9860	0.986	8.70E-03
TCDH059	155	156	52	9260	0.926	0.0052
TCDH059	156	157	136	3230	0.32300001	0.0136
TCDH059	157	158	29	2630	0.26300001	0.0029
TCDH059	158	159	283	2680	0.26800001	0.0283
TCDH059	159	160	60	2060	0.206	6.00E-03
TCDH059	160	161	408	22800	2.28	4.08E-02
TCDH059	161	162	225	2960	0.296	2.25E-02
TCDH059	162	163	122	510	5.10E-02	0.0122
TCDH059	163	164	227	970	9.70E-02	2.27E-02
TCDH059	164	165	968	2170	0.21699999	9.68E-02
TCDH059	165	166	737	620	6.20E-02	7.37E-02
TCDH059	166	167	672	410	4.10E-02	6.72E-02
TCDH059	167	168	1260	190	1.90E-02	0.126
TCDH059	168	170	465	20	2.00E-03	4.65E-02
TCDH059	170	172	94	130	0.013	9.40E-03
TCDH059	172	174	149	380	3.80E-02	0.0149
TCDH059	174	176	157	160	1.60E-02	1.57E-02
TCDH059	176	178	649	20	2.00E-03	6.49E-02
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TCDH059	182	184	7440	610	6.10E-02	0.74400002
TCDH059	184	186	9040	560	5.60E-02	0.90399998
TCDH059	186	188	10900	1140	0.114	1.09
TCDH059	188	190	14000	5450	0.54500002	1.4
TCDH059	190	192	3740	290	2.90E-02	0.37400001
TCDH059	192	194	15	50	5.00E-03	0.0015
TCDH059	194	196	39	30	0.003	3.90E-03
TCDH059	196	198	32	30	0.003	3.20E-03
TCDH059	198	200	26	30	0.003	0.0026

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TCDH059	202	204	442	40	4.00E-03	4.42E-02
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TCDH059	207	208	9	11900	1.1900001	9.00E-04
TCDH059	208	209	6	2340	0.234	6.00E-04
TCDH059	209	210	14	3040	0.30399999	0.0014
TCDH059	210	211	83	4510	0.45100001	8.30E-03
TCDH059	211	212	37	4320	0.43200001	0.0037
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TCDH059	213	214	25	3640	0.36399999	2.50E-03
TCDH059	214	215	32	2720	0.27200001	3.20E-03
TCDH059	215	216	-1	10900	1.09	-1.00E-04
TCDH059	216	217	122	6840	0.68400002	0.0122
TCDH059	217	218	121	6510	0.65100002	0.0121
TCDH059	218	219	230	6340	0.634	0.023
TCDH059	219	220	27	3770	0.377	2.70E-03
TCDH059	220	221	6	2380	0.23800001	6.00E-04
TCDH059	221	222	10	4180	0.41800001	0.001
TCDH059	222	223	39	2150	0.215	3.90E-03
TCDH059	223	224	48	2020	0.20200001	4.80E-03
TCDH059	224	225	62	2070	0.207	6.20E-03
TCDH059	225	226	58	4010	0.40099999	5.80E-03
TCDH059	226	227	59	6260	0.62599999	5.90E-03
TCDH059	227	228	61	9840	0.98400003	6.10E-03
TCDH059	228	229	56	5770	0.57700002	5.60E-03
TCDH059	229	230	53	4310	0.43099999	5.30E-03
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TCDH059	234	235	40	1510	0.15099999	4.00E-03
TCDH059	235	236	15	2120	0.212	0.0015
TCDH059	236	237	33	1350	0.13500001	0.0033
TCDH059	237	238	14	700	0.07	0.0014
TCDH059	238	239	25	730	7.30E-02	2.50E-03
TCDH059	239	240	3	310	3.10E-02	3.00E-04
TCDH059	240	241	248	3760	0.37599999	2.48E-02
TCDH059	241	242	127	1750	0.175	0.0127
TCDH059	242	243	98	1400	0.14	9.80E-03
TCDH059	243	244	219	7610	0.76099998	0.0219
TCDH059	244	245	72	3070	0.30700001	7.20E-03
TCDH059	245	246	82	2080	0.208	0.0082
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TCDH061	112	113	85	360	3.60E-02	8.50E-03
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TCDH061	114	115	136	130	0.013	0.0136
TCDH061	115	116	65	160	1.60E-02	6.50E-03
TCDH061	116	117	32	350	0.035	3.20E-03
TCDH061	117	118	32	170	1.70E-02	3.20E-03
TCDH061	118	119	18	30	0.003	0.0018
TCDH061	119	120	28	100	1.00E-02	2.80E-03

TCDH061	120	121	19	410	4.10E-02	0.0019
TCDH061	121	122	19	260	2.60E-02	0.0019
TCDH061	122	123	19	320	3.20E-02	0.0019
TCDH061	123	124	591	440	0.044	5.91E-02
TCDH061	124	125	289	240	0.024	2.89E-02
TCDH061	125	126	171	50	5.00E-03	1.71E-02
TCDH061	126	127	259	30	0.003	2.59E-02
TCDH061	127	128	593	50	5.00E-03	5.93E-02
TCDH061	128	129	456	20	2.00E-03	4.56E-02
TCDH061	129	130	361	-10	-0.001	0.0361
TCDH061	130	131	75	10	0.001	7.50E-03
TCDH061	131	132	72	-10	-0.001	7.20E-03
TCDH061	132	134	62	-10	-0.001	6.20E-03
TCDH061	134	136	51	-10	-0.001	5.10E-03
TCDH061	136	138	41	-10	-0.001	0.0041
TCDH061	138	140	43	-10	-0.001	4.30E-03
TCDH061	140	142	975	70	7.00E-03	9.75E-02
TCDH061	142	144	653	3960	0.396	6.53E-02
TCDH061	144	146	2350	30	0.003	0.235
TCDH061	146	148	1110	90	9.00E-03	0.111
TCDH061	148	150	952	40	4.00E-03	9.52E-02
TCDH061	150	152	1180	50	5.00E-03	0.118
TCDH061	152	154	961	490	4.90E-02	9.61E-02
TCDH061	154	156	2120	30	0.003	0.212
TCDH061	156	158	1590	30	0.003	0.15899999
TCDH061	158	160	1000	30	0.003	0.1
TCDH061	160	162	824	100	1.00E-02	8.24E-02
TCDH061	162	164	473	2850	0.285	0.0473
TCDH061	164	166	855	2250	0.22499999	8.55E-02
TCDH061	166	168	2930	360	3.60E-02	0.29300001
TCDH061	168	170	1630	40	4.00E-03	0.163
TCDH061	170	172	5700	190	1.90E-02	0.56999999
TCDH061	172	174	6110	70	7.00E-03	0.611
TCDH061	174	176	3060	50	5.00E-03	0.30599999
TCDH061	176	178	685	6940	0.69400001	6.85E-02
TCDH061	178	180	1010	20900	2.0899999	0.101
TCDH061	180	182	312	2130	0.213	3.12E-02
TCDH061	182	184	491	930	9.30E-02	0.0491
TCDH061	184	186	329	1970	0.197	3.29E-02
TCDH061	186	188	238	4140	0.414	2.38E-02
TCDH061	188	189	77	2610	0.26100001	0.0077
TCDH061	189	190	42	2070	0.207	4.20E-03
TCDH061	190	191	89	2260	0.226	8.90E-03
TCDH061	191	192	55	1240	0.124	0.0055
TCDH061	192	193	40	450	4.50E-02	4.00E-03
TCDH061	193	194	36	470	4.70E-02	3.60E-03
TCDH061	194	195	239	2020	0.20200001	0.0239
TCDH061	195	196	230	2090	0.20900001	0.023
TCDH061	196	197	34	440	0.044	0.0034
TCDH061	197	198	76	2410	0.241	7.60E-03
TCDH061	198	199	329	4780	0.47799999	3.29E-02
TCDH061	199	200	422	9950	0.995	4.22E-02
TCDH061	200	201	361	6450	0.64499998	0.0361
TCDH061	201	202	3550	560	5.60E-02	0.35499999
TCDH061	202	203	2010	2290	0.229	0.20100001
TCDH061	203	204	1200	2380	0.23800001	0.12
TCDH061	204	205	3820	8030	0.80299997	0.382
TCDH061	205	206	564	2870	0.287	5.64E-02
TCDH061	206	207	751	2500	0.25	7.51E-02
TCDH061	207	208	4470	5100	0.50999999	0.447
TCDH061	208	209	2360	1910	0.191	0.236
TCDH061	209	210	3040	2720	0.27200001	0.30399999
TCDH061	210	211	22500	7620	0.76200002	2.25

TCDH061	211	212	22100	2310	0.23100001	2.21
TCDH061	212	213	15000	6200	0.62	1.5
TCDH061	213	214	7670	47900	4.79	0.76700002
TCDH061	214	215	659	69900	6.9899998	6.59E-02
TCDH061	215	216	777	67500	6.75	7.77E-02
TCDH061	216	217	1920	6280	0.62800002	0.192
TCDH061	217	218	293	110	0.011	2.93E-02
TCDH061	218	219	801	5520	0.55199999	0.0801
TCDH061	219	220	1790	15700	1.5700001	0.17900001
TCDH061	220	221	2630	20500	2.05	0.26300001
TCDH061	221	222	734	2580	0.25799999	7.34E-02
TCDH061	222	223	673	8900	0.88999999	6.73E-02
TCDH061	223	224	1840	8160	0.81599998	0.184
TCDH061	224	225	4540	13000	1.3	0.454
TCDH061	225	226	662	6600	0.66000003	6.62E-02
TCDH061	226	227	785	13000	1.3	7.85E-02
TCDH061	227	228	643	8650	0.86500001	6.43E-02
TCDH061	228	229	1190	3210	0.32100001	0.119
TCDH061	229	230	787	16800	1.6799999	7.87E-02
TCDH061	230	231	391	9300	0.93000001	3.91E-02
TCDH061	231	232	1160	10800	1.08	0.116
TCDH061	232	233	817	7780	0.778	8.17E-02
TCDH061	233	234	154	11500	1.15	0.0154
TCDH061	234	235	111	12100	1.21	0.0111
TCDH061	235	236	95	12300	1.23	9.50E-03
TCDH061	236	237	453	4690	0.46900001	4.53E-02
TCDH061	237	238	1740	4230	0.42300001	0.17399999
TCDH061	238	239	6720	4680	0.46799999	0.67199999
TCDH061	239	240	7660	6980	0.69800001	0.76599997
TCDH061	240	242	248	770	0.077	2.48E-02
TCDH061	242	244	98	80	8.00E-03	9.80E-03
TCDH061	244	246	107	50	5.00E-03	0.0107
TCDH061	246	248	112	50	5.00E-03	0.0112
TCDH061	248	250	76	30	0.003	7.60E-03
TCDH061	250	252	102	260	2.60E-02	0.0102
TCDH061	252	254	194	1620	0.162	1.94E-02
TCDH061	254	256	102	310	3.10E-02	0.0102
TCDH061	256	257	239	570	0.057	0.0239
TCDH061	257	258	1950	15000	1.5	0.19499999
TCDH061	258	259	197	2200	0.22	0.0197
TCDH061	259	260	73	80	8.00E-03	7.30E-03
TCDH061	260	261	71	20	2.00E-03	0.0071
TCDH061	261	262	64	10500	1.05	6.40E-03
TCDH061	262	263	58	6770	0.67699999	5.80E-03
TCDH061	263	264	710	5990	0.59899998	7.10E-02
TCDH061	264	265	591	4600	0.46000001	5.91E-02
TCDH061	265	266	287	7800	0.77999997	0.0287
TCDH061	266	267	175	2880	0.28799999	0.0175
TCDH061	267	268	236	5760	0.57599998	2.36E-02
TCDH061	268	269	607	8610	0.861	6.07E-02
TCDH061	269	270	1280	6580	0.65799999	0.12800001
TCDH061	270	271	3190	5090	0.509	0.31900001
TCDH061	271	272	2280	1530	0.153	0.228
TCDH061	272	273	1050	2130	0.213	0.105
TCDH061	273	274	2060	1640	0.164	0.206
TCDH061	274	275	2550	2020	0.20200001	0.255
TCDH061	275	276	1960	1250	0.125	0.19599999
TCDH061	276	277	2420	1410	0.141	0.242
TCDH061	277	278	1440	8780	0.87800002	0.14399999
TCDH061	278	279	2540	410	4.10E-02	0.25400001
TCDH061	279	280	999	220	0.022	0.0999
TCDH061	280	281	711	1850	0.185	7.11E-02
TCDH061	281	282	489	100	1.00E-02	4.89E-02

TCDH061	282	283	769	110	0.011	7.69E-02
TCDH061	283	284	2360	13100	1.3099999	0.236
TCDH061	284	285	971	16400	1.64	9.71E-02
TCDH061	285	286	1510	19800	1.98	0.15099999
TCDH061	286	287	2390	50700	5.0700002	0.23899999
TCDH061	287	288	1040	37900	3.79	0.104
TCDH061	288	289	3090	60700	6.0700002	0.30899999
TCDH061	289	290	1770	51000	5.0999999	0.177
TCDH061	290	291	6320	55400	5.54	0.63200003
TCDH061	291	292	17	31800	3.1800001	0.0017
TCDH061	292	293	904	81400	8.1400003	9.04E-02
TCDH061	293	294	419	76200	7.6199999	4.19E-02
TCDH061	294	295	1380	76000	7.5999999	0.138
TCDH061	295	296	1620	82600	8.2600002	0.162
TCDH061	296	297	510	53300	5.3299999	5.10E-02
TCDH061	297	298	17300	39400	3.9400001	1.73
TCDH061	298	300	5670	2300	0.23	0.56699997
TCDH061	300	302	112	100	1.00E-02	0.0112
TCDH061	302	304	95	50	5.00E-03	9.50E-03
TCDH061	304	306	82	100	1.00E-02	0.0082
TCDH061	306	308	88	290	2.90E-02	0.0088
TCDH061	308	310	95	100	1.00E-02	9.50E-03
TCDH061	310	312	77	40	4.00E-03	0.0077
TCDH061	312	314	78	120	0.012	7.80E-03
TCDH061	314	316	4630	21600	2.1600001	0.463
TCDH061	316	318	377	1050	0.105	3.77E-02
TCDH061	318	320	134	40	4.00E-03	0.0134
TCDH061	320	322	110	30	0.003	0.011
TCDH061	322	324	110	10	0.001	0.011
TCDH061	324	326	104	-10	-0.001	0.0104
TCDH061	326	328	113	-10	-0.001	0.0113
TCDH061	328	330	89	-10	-0.001	8.90E-03
TCDH061	330	332	86	90	9.00E-03	8.60E-03
TCDH061	332	334	77	-10	-0.001	0.0077
TCDH061	334	336	146	-10	-0.001	0.0146
TCDH061	336	338	162	10	0.001	0.0162
TCDH061	338	340	157	10	0.001	1.57E-02
TCDH061	340	342	177	-10	-0.001	0.0177
TCDH061	342	344	164	-10	-0.001	0.0164
TCDH062	0	2	277	900	9.00E-02	0.0277
TCDH062	2	4	396	1060	0.106	0.0396
TCDH062	4	6	349	900	9.00E-02	3.49E-02
TCDH062	6	8	758	1300	0.13	7.58E-02
TCDH062	8	11	1090	1250	0.125	0.109
TCDH062	20	22	775	990	9.90E-02	7.75E-02
TCDH062	22	24	534	1130	0.113	5.34E-02
TCDH062	24	26	1050	1440	0.14399999	0.105
TCDH062	26	28	2410	2580	0.25799999	0.241
TCDH062	29	30	541	990	9.90E-02	5.41E-02
TCDH062	30	32	256	650	6.50E-02	2.56E-02
TCDH062	32	34	262	540	5.40E-02	0.0262
TCDH062	34	36	301	670	6.70E-02	3.01E-02
TCDH062	36	38	426	940	9.40E-02	4.26E-02
TCDH062	38	40	596	1450	0.145	5.96E-02
TCDH062	40	42	2330	4200	0.41999999	0.233
TCDH062	42	44	330	1320	0.132	0.033
TCDH062	44	46	902	1960	0.19599999	0.0902
TCDH062	46	48	1620	2300	0.23	0.162
TCDH062	48	50	2480	2490	0.249	0.248
TCDH062	50	52	343	810	0.081	3.43E-02
TCDH062	52	54	3300	3690	0.36899999	0.33000001
TCDH062	54	56	1390	1680	0.168	0.139
TCDH062	56	58	373	690	6.90E-02	3.73E-02

TCDH062	58	60	324	770	0.077	3.24E-02
TCDH062	60	62	416	850	8.50E-02	0.0416
TCDH062	62	64	97	390	3.90E-02	9.70E-03
TCDH062	64	66	20	20	2.00E-03	2.00E-03
TCDH062	66	68	40	30	0.003	4.00E-03
TCDH062	68	70	15	40	4.00E-03	0.0015
TCDH062	70	72	24	-10	-0.001	2.40E-03
TCDH062	72	74	37	10	0.001	0.0037
TCDH062	74	76	16	-10	-0.001	0.0016
TCDH062	76	78	19	50	5.00E-03	0.0019
TCDH062	78	80	94	300	3.00E-02	9.40E-03
TCDH062	80	82	103	250	0.025	0.0103
TCDH062	82	84	23	140	0.014	2.30E-03
TCDH062	84	86	17	10	0.001	0.0017
TCDH062	86	88	17	-10	-0.001	0.0017
TCDH062	88	90	38	100	1.00E-02	3.80E-03
TCDH062	90	92	108	270	2.70E-02	0.0108
TCDH062	93	95	83	290	2.90E-02	8.30E-03
TCDH062	95	97	39	80	8.00E-03	3.90E-03
TCDH062	97	99	59	90	9.00E-03	5.90E-03
TCDH062	99	101	19	40	4.00E-03	0.0019
TCDH062	101	103	30	50	5.00E-03	0.003
TCDH062	103	105	77	70	7.00E-03	0.0077
TCDH062	105	107	23	10	0.001	2.30E-03
TCDH062	107	109	29	-10	-0.001	0.0029
TCDH062	109	111	121	190	1.90E-02	0.0121
TCDH062	111	113	29	270	2.70E-02	0.0029
TCDH062	113	115	43	860	8.60E-02	4.30E-03
TCDH062	115	117	33	10	0.001	0.0033
TCDH062	117	119	28	10	0.001	2.80E-03
TCDH062	119	121	25	10	0.001	2.50E-03
TCDH062	121	123	20	-10	-0.001	2.00E-03
TCDH062	123	125	20	-10	-0.001	2.00E-03
TCDH062	125	127	28	10	0.001	2.80E-03
TCDH062	127	129	26	10	0.001	0.0026
TCDH062	129	131	30	20	2.00E-03	0.003
TCDH062	131	133	22	-10	-0.001	0.0022
TCDH062	133	135	24	-10	-0.001	2.40E-03
TCDH062	135	137	27	10	0.001	2.70E-03
TCDH062	137	139	29	10	0.001	0.0029
TCDH062	139	141	26	10	0.001	0.0026
TCDH062	141	143	27	-10	-0.001	2.70E-03
TCDH062	143	145	25	-10	-0.001	2.50E-03
TCDH062	145	147	28	-10	-0.001	2.80E-03
TCDH062	147	149	27	-10	-0.001	2.70E-03
TCDH062	149	151	28	-10	-0.001	2.80E-03
TCDH062	151	153	39	30	0.003	3.90E-03
TCDH062	153	155	29	-10	-0.001	0.0029
TCDH062	155	157	25	-10	-0.001	2.50E-03
TCDH062	157	159	20	10	0.001	2.00E-03
TCDH062	159	161	28	-10	-0.001	2.80E-03
TCDH062	161	163	33	10	0.001	0.0033
TCDH062	163	165	30	20	2.00E-03	0.003
TCDH062	165	167	27	10	0.001	2.70E-03
TCDH062	167	169	30	20	2.00E-03	0.003
TCDH062	169	171	56	20	2.00E-03	5.60E-03
TCDH062	171	173	28	-10	-0.001	2.80E-03
TCDH062	173	175	26	-10	-0.001	0.0026
TCDH062	175	177	24	-10	-0.001	2.40E-03
TCDH062	177	179	21	-10	-0.001	2.10E-03
TCDH062	179	181	46	10	0.001	4.60E-03
TCDH062	181	183	17	-10	-0.001	0.0017
TCDH062	183	185	44	20	2.00E-03	0.0044

TCDH062	185	187	36	-10	-0.001	3.60E-03
TCDH062	187	189	21	-10	-0.001	2.10E-03
TCDH062	189	191	28	40	4.00E-03	2.80E-03
TCDH062	191	193	24	30	0.003	2.40E-03
TCDH062	193	195	31	30	0.003	3.10E-03
TCDH062	195	197	30	50	5.00E-03	0.003
TCDH062	197	199	26	180	1.80E-02	0.0026
TCDH062	199	201	31	250	0.025	3.10E-03
TCDH062	201	203	35	220	0.022	3.50E-03
TCDH062	203	205	25	150	0.015	2.50E-03
TCDH062	205	207	34	60	6.00E-03	0.0034
TCDH062	207	209	167	260	2.60E-02	0.0167
TCDH062	209	211	166	560	5.60E-02	0.0166
TCDH062	211	213	84	710	7.10E-02	8.40E-03
TCDH062	213	215	67	440	0.044	6.70E-03
TCDH062	215	217	44	230	0.023	0.0044
TCDH062	217	219	119	370	0.037	0.0119
TCDH062	219	221	128	310	3.10E-02	0.0128
TCDH062	221	223	32	60	6.00E-03	3.20E-03
TCDH062	223	225	185	550	0.055	0.0185
TCDH062	225	227	188	550	0.055	0.0188
TCDH062	227	229	200	510	5.10E-02	0.02
TCDH062	229	231	151	400	4.00E-02	0.0151
TCDH062	231	233	178	420	4.20E-02	0.0178
TCDH062	233	235	150	380	3.80E-02	0.015
TCDH062	235	237	173	470	4.70E-02	0.0173
TCDH062	237	239	161	460	0.046	1.61E-02
TCDH062	239	241	158	460	0.046	1.58E-02
TCDH062	241	243	39	140	0.014	3.90E-03
TCDH062	243	245	69	280	2.80E-02	6.90E-03
TCDH063	0	2	88	580	5.80E-02	0.0088
TCDH063	2	4	56	870	8.70E-02	5.60E-03
TCDH063	4	6	41	700	0.07	0.0041
TCDH063	6	8	117	2220	0.222	0.0117
TCDH063	8	10	1890	1480	0.148	0.189
TCDH063	10	12	138	490	4.90E-02	0.0138
TCDH063	12	14	211	520	5.20E-02	0.0211
TCDH063	14	16	134	4460	0.44600001	0.0134
TCDH063	16	18	778	5510	0.551	7.78E-02
TCDH063	18	19	907	1820	0.182	9.07E-02
TCDH063	19	20	1410	42500	4.25	0.141
TCDH063	20	21	1490	21200	2.1199999	0.149
TCDH063	21	22	1100	35000	3.5	0.11
TCDH063	22	23	916	56400	5.6399999	9.16E-02
TCDH063	23	24	1240	63700	6.3699999	0.124
TCDH063	24	25	102	46900	4.6900001	0.0102
TCDH063	25	26	63	30400	3.04	0.0063
TCDH063	26	27	212	87400	8.7399998	2.12E-02
TCDH063	27	28	89	24700	2.47	8.90E-03
TCDH063	28	29	45	8680	0.86799997	4.50E-03
TCDH063	29	30	158	17100	1.71	1.58E-02
TCDH063	30	31	177	4060	0.40599999	0.0177
TCDH063	31	32	189	2970	0.29699999	0.0189
TCDH063	32	33	382	14900	1.49	3.82E-02
TCDH063	33	34	286	14000	1.4	0.0286
TCDH063	34	35	678	27300	2.73	0.0678
TCDH063	35	36	279	6050	0.60500002	2.79E-02
TCDH063	36	37	249	8910	0.89099997	2.49E-02
TCDH063	37	38	165	1100	0.11	0.0165
TCDH063	38	39	175	2530	0.25299999	0.0175
TCDH063	39	40	643	4400	0.44	6.43E-02
TCDH063	40	41	691	13700	1.37	0.0691
TCDH063	41	42	323	4340	0.43399999	3.23E-02

TCDH063	42	43	253	3080	0.308	0.0253
TCDH063	43	44	387	7960	0.796	3.87E-02
TCDH063	44	45	280	2840	0.28400001	2.80E-02
TCDH063	45	46	1620	12000	1.2	0.162
TCDH063	46	47	121	700	0.07	0.0121
TCDH063	47	48	191	4080	0.40799999	1.91E-02
TCDH063	48	49	137	650	6.50E-02	0.0137
TCDH063	49	50	124	280	2.80E-02	0.0124
TCDH063	50	51	133	1550	0.155	0.0133
TCDH063	51	52	142	1510	0.15099999	0.0142
TCDH063	52	53	146	1420	0.142	0.0146
TCDH063	53	54	320	2620	0.26199999	3.20E-02
TCDH063	54	55	133	1110	0.111	0.0133
TCDH063	55	56	126	890	8.90E-02	0.0126
TCDH063	56	57	179	870	8.70E-02	1.79E-02
TCDH063	57	58	154	2500	0.25	0.0154
TCDH063	58	59	1330	5050	0.505	0.133
TCDH063	59	60	216	620	6.20E-02	2.16E-02
TCDH063	60	61	267	3780	0.37799999	2.67E-02
TCDH063	61	62	402	5020	0.50199997	4.02E-02
TCDH063	62	63	2520	11400	1.14	0.252
TCDH063	63	64	563	17000	1.7	5.63E-02
TCDH063	64	65	478	9090	0.90899998	4.78E-02
TCDH063	65	66	347	4330	0.433	3.47E-02
TCDH063	66	68	5060	3900	0.38999999	0.50599998
TCDH063	68	70	757	3160	0.31600001	0.0757
TCDH063	70	72	356	1120	0.112	3.56E-02
TCDH063	73	75	768	1790	0.17900001	7.68E-02
TCDH063	75	77	961	2650	0.26499999	9.61E-02
TCDH063	79	80	918	2850	0.285	9.18E-02
TCDH063	85	86	1670	66400	6.6399999	0.167
TCDH063	86	87	377	57500	5.75	3.77E-02
TCDH063	87	88	604	33500	3.3499999	6.04E-02
TCDH063	88	89	385	9840	0.98400003	0.0385
TCDH063	89	90	93	5720	0.57200003	0.0093
TCDH063	90	91	111	2860	0.28600001	0.0111
TCDH063	91	92	128	3530	0.35299999	0.0128
TCDH063	92	93	111	6970	0.69700003	0.0111
TCDH063	93	94	61	6800	0.68000001	6.10E-03
TCDH063	94	95	42	1740	0.17399999	4.20E-03
TCDH063	95	96	44	3390	0.33899999	0.0044
TCDH063	96	97	34	2330	0.233	0.0034
TCDH063	97	98	38	3400	0.34	3.80E-03
TCDH063	98	99	38	3940	0.39399999	3.80E-03
TCDH063	99	100	40	6220	0.62199998	4.00E-03
TCDH063	100	101	137	10200	1.02	0.0137
TCDH063	101	102	39	6200	0.62	3.90E-03
TCDH063	102	103	39	5990	0.59899998	3.90E-03
TCDH063	103	104	36	3870	0.38699999	3.60E-03
TCDH063	104	105	31	3800	0.38	3.10E-03
TCDH063	105	106	33	5340	0.53399998	0.0033
TCDH063	106	107	47	8880	0.88800001	4.70E-03
TCDH063	107	108	47	5680	0.56800002	4.70E-03
TCDH063	108	109	43	17300	1.73	4.30E-03
TCDH063	109	110	51	14100	1.41	5.10E-03
TCDH063	110	111	52	10100	1.01	0.0052
TCDH063	111	112	36	11100	1.11	3.60E-03
TCDH063	112	113	55	11000	1.1	0.0055
TCDH063	113	114	59	5060	0.50599998	5.90E-03
TCDH063	114	115	45	5500	0.55000001	4.50E-03
TCDH063	115	116	39	5490	0.54900002	3.90E-03
TCDH063	116	117	56	8830	0.88300002	5.60E-03
TCDH063	117	118	72	8710	0.87099999	7.20E-03

TCDH063	118	119	122	10500	1.05	0.0122
TCDH063	119	120	162	12900	1.29	0.0162
TCDH063	120	121	143	14600	1.46	0.0143
TCDH063	121	122	341	18200	1.8200001	0.0341
TCDH063	122	123	258	16200	1.62	2.58E-02
TCDH063	123	124	156	15000	1.5	0.0156
TCDH063	124	125	74	10900	1.09	0.0074
TCDH063	125	126	40	4090	0.40900001	4.00E-03
TCDH063	126	127	33	5470	0.54699999	0.0033
TCDH063	127	128	40	8360	0.83600003	4.00E-03
TCDH063	128	129	48	4940	0.49399999	4.80E-03
TCDH063	129	130	127	5470	0.54699999	0.0127
TCDH063	130	131	94	2730	0.273	9.40E-03
TCDH063	131	132	414	13000	1.3	0.0414
TCDH063	132	133	163	5860	0.58600003	0.0163
TCDH063	133	134	200	13700	1.37	0.02
TCDH063	134	135	151	5450	0.54500002	0.0151
TCDH063	135	136	40	7030	0.70300001	4.00E-03
TCDH063	136	137	33	6340	0.634	0.0033
TCDH063	137	138	277	2540	0.25400001	0.0277
TCDH063	138	139	598	1880	0.18799999	5.98E-02
TCDH063	139	140	1700	1350	0.13500001	0.17
TCDH063	140	141	36	2530	0.25299999	3.60E-03
TCDH063	141	142	145	1920	0.192	0.0145
TCDH063	142	143	81	960	9.60E-02	8.10E-03
TCDH063	143	144	66	2410	0.241	0.0066
TCDH063	144	145	1080	3820	0.382	0.108
TCDH063	145	146	363	3090	0.30899999	0.0363
TCDH063	146	147	379	3750	0.375	3.79E-02
TCDH063	147	148	140	2970	0.29699999	0.014
TCDH063	148	149	262	2430	0.243	0.0262
TCDH063	149	150	58	2930	0.29300001	5.80E-03
TCDH063	150	151	39	3020	0.30199999	3.90E-03
TCDH063	151	152	60	3420	0.34200001	6.00E-03
TCDH063	152	153	184	6280	0.62800002	0.0184
TCDH063	153	154	402	1640	0.164	4.02E-02
TCDH063	154	156	376	40	4.00E-03	3.76E-02
TCDH063	156	158	84	140	0.014	8.40E-03
TCDH063	158	160	78	10	0.001	7.80E-03
TCDH063	160	162	66	-10	-0.001	0.0066
TCDH063	162	164	75	30	0.003	7.50E-03
TCDH063	164	166	66	10	0.001	0.0066
TCDH063	166	168	55	10	0.001	0.0055
TCDH063	168	170	60	40	4.00E-03	6.00E-03
TCDH063	170	172	71	70	7.00E-03	0.0071
TCDH063	172	173	54	100	1.00E-02	5.40E-03
TCDH063	173	174	354	660	0.066	3.54E-02
TCDH063	174	175	139	350	0.035	0.0139
TCDH063	175	176	293	250	0.025	2.93E-02
TCDH063	176	178	207	70	7.00E-03	0.0207
TCDH063	178	180	63	10	0.001	0.0063
TCDH063	180	182	202	40	4.00E-03	2.02E-02
TCDH063	182	184	57	640	6.40E-02	5.70E-03
TCDH063	184	186	25	260	2.60E-02	2.50E-03
TCDH063	186	188	136	80	8.00E-03	0.0136
TCDH063	188	190	88	-10	-0.001	0.0088
TCDH063	190	192	57	-10	-0.001	5.70E-03
TCDH063	192	194	56	-10	-0.001	5.60E-03
TCDH063	194	196	61	10	0.001	6.10E-03
TCDH063	196	198	65	10	0.001	6.50E-03
TCDH063	198	200	211	-10	-0.001	0.0211
TCDH063	200	201	200	330	0.033	0.02
TCDH063	201	202	23	450	4.50E-02	2.30E-03

TCDH063	202	203	41	980	9.80E-02	0.0041
TCDH063	203	204	32	1170	0.117	3.20E-03
TCDH063	204	205	100	2960	0.296	1.00E-02
TCDH063	205	206	671	3500	0.34999999	6.71E-02
TCDH063	206	207	30	650	6.50E-02	0.003
TCDH063	207	208	13	650	6.50E-02	0.0013
TCDH063	208	209	25	600	6.00E-02	2.50E-03
TCDH063	209	210	111	2050	0.205	0.0111
TCDH063	210	211	144	1570	0.15700001	0.0144
TCDH063	211	212	48	2830	0.28299999	4.80E-03
TCDH063	212	213	51	810	0.081	5.10E-03
TCDH063	213	214	18	760	7.60E-02	0.0018
TCDH063	214	215	30	5870	0.58700001	0.003
TCDH063	215	216	20	12100	1.21	2.00E-03
TCDH063	216	217	13	3050	0.30500001	0.0013
TCDH063	217	218	14	790	7.90E-02	0.0014
TCDH063	218	219	73	6370	0.63700002	7.30E-03
TCDH063	219	220	353	6140	0.61400002	3.53E-02
TCDH063	220	221	22	16800	1.6799999	0.0022
TCDH063	221	222	13	6480	0.648	0.0013
TCDH063	222	223	72	7600	0.75999999	7.20E-03
TCDH063	223	224	85	9390	0.93900001	8.50E-03
TCDH063	224	225	41	9340	0.93400002	0.0041
TCDH063	225	226	15	2410	0.241	0.0015
TCDH063	226	227	49	3160	0.31600001	4.90E-03
TCDH063	227	228	105	1340	0.134	0.0105
TCDH063	228	229	92	1280	0.12800001	9.20E-03
TCDH063	229	230	132	8190	0.81900001	0.0132
TCDH063	230	231	249	3920	0.39199999	2.49E-02
TCDH063	231	232	107	2940	0.294	0.0107
TCDH063	232	233	192	4760	0.47600001	1.92E-02
TCDH063	233	234	194	3740	0.37400001	1.94E-02
TCDH063	234	235	31	1160	0.116	3.10E-03
TCDH063	235	236	13	570	0.057	0.0013
TCDH063	236	237	79	1840	0.184	7.90E-03
TCDH063	237	238	321	11700	1.17	3.21E-02
TCDH063	238	239	70	1750	0.175	7.00E-03
TCDH063	239	240	47	1540	0.154	4.70E-03
TCDH063	240	241	26	2840	0.28400001	0.0026
TCDH063	241	242	-1	-10	-0.001	-1.00E-04
TCDH063	242	243	55	8950	0.89499998	0.0055
TCDH063	243	244	56	5010	0.50099999	5.60E-03
TCDH063	244	245	31	2410	0.241	3.10E-03
TCDH063	245	246	70	7160	0.71600002	7.00E-03
TCDH063	246	247	83	7090	0.70899999	8.30E-03
TCDH063	247	248	952	9830	0.98299998	9.52E-02
TCDH063	248	249	141	7530	0.75300002	0.0141
TCDH063	249	250	210	550	0.055	0.021
TCDH063	250	251	218	120	0.012	0.0218
TCDH063	251	252	230	490	4.90E-02	0.023
TCDH063	252	253	245	1000	0.1	2.45E-02
TCDH063	253	254	560	7450	0.745	5.60E-02
TCDH063	254	255	687	6720	0.67199999	6.87E-02
TCDH063	255	256	546	25400	2.54	0.0546
TCDH063	256	257	157	2850	0.285	1.57E-02
TCDH063	257	258	434	6210	0.62099999	4.34E-02
TCDH063	258	259	469	6190	0.61900002	0.0469
TCDH063	259	260	218	3530	0.35299999	0.0218
TCDH063	260	261	226	2130	0.213	2.26E-02
TCDH063	261	262	26	760	7.60E-02	0.0026
TCDH063	262	263	66	1620	0.162	0.0066
TCDH063	263	264	398	2270	0.227	3.98E-02
TCDH063	264	265	201	6350	0.63499999	2.01E-02

TCDH063	265	266	115	2690	0.26899999	0.0115
TCDH063	266	267	47	1880	0.18799999	4.70E-03
TCDH063	267	268	118	2460	0.24600001	0.0118
TCDH063	268	269	48	1260	0.126	4.80E-03
TCDH063	269	270	44	1590	0.15899999	0.0044
TCDH063	270	271	96	1190	0.119	9.60E-03
TCDH063	271	272	46	2410	0.241	4.60E-03
TCDH063	272	273	28	2090	0.20900001	2.80E-03
TCDH063	273	274	120	1860	0.186	0.012
TCDH063	274	275	35	2090	0.20900001	3.50E-03
TCDH063	275	276	49	2840	0.28400001	4.90E-03
TCDH063	276	277	73	1770	0.177	7.30E-03
TCDH063	277	278	25	1590	0.15899999	2.50E-03
TCDH063	278	279	27	2830	0.28299999	2.70E-03
TCDH063	279	280	36	3710	0.37099999	3.60E-03
TCDH063	280	281	41	2820	0.28200001	0.0041
TCDH063	281	282	36	1860	0.186	3.60E-03
TCDH063	282	283	183	1730	0.17299999	1.83E-02
TCDH063	283	284	138	2010	0.20100001	0.0138
TCDH063	284	285	123	1030	0.103	0.0123
TCDH063	285	286	137	1270	0.127	0.0137
TCDH063	286	287	150	1920	0.192	0.015
TCDH063	287	288	81	2190	0.219	8.10E-03
TCDH063	288	289	34	1200	0.12	0.0034
TCDH063	289	290	48	950	9.50E-02	4.80E-03
TCDH063	290	291	39	1690	0.169	3.90E-03
TCDH063	291	292	48	2220	0.222	4.80E-03
TCDH063	292	293	56	3590	0.359	5.60E-03
TCDH063	293	294	51	1550	0.155	5.10E-03
TCDH063	294	295	38	1020	0.102	3.80E-03
TCDH063	295	296	38	820	8.20E-02	3.80E-03
TCDH063	296	297	41	1600	0.16	0.0041
TCDH063	297	298	66	3010	0.301	0.0066
TCDH063	298	299	51	1070	0.107	5.10E-03
TCDH063	299	300	52	1140	0.114	0.0052
TCDH063	300	301	213	3180	0.31799999	2.13E-02
TCDH063	301	302	82	1500	0.15000001	0.0082
TCDH063	302	303	62	830	8.30E-02	6.20E-03
TCDH063	303	304	86	2150	0.215	8.60E-03
TCDH063	304	305	51	1720	0.17200001	5.10E-03
TCDH063	305	306	78	1140	0.114	7.80E-03
TCDH063	306	307	509	2860	0.28600001	5.09E-02
TCDH063	307	308	129	1490	0.149	0.0129
TCDH063	308	309	135	1170	0.117	0.0135
TCDH063	309	310	112	890	8.90E-02	0.0112
TCDH063	310	311	44	1630	0.163	0.0044
TCDH063	311	312	38	1670	0.167	3.80E-03
TCDH063	312	313	37	620	6.20E-02	0.0037
TCDH063	313	314	34	2570	0.257	0.0034
TCDH063	314	315	47	930	9.30E-02	4.70E-03
TCDH063	315	316	36	1520	0.152	3.60E-03
TCDH063	316	317	35	610	6.10E-02	3.50E-03
TCDH063	317	318	97	1390	0.139	9.70E-03
TCDH063	318	319	35	1720	0.17200001	3.50E-03
TCDH063	319	320	47	630	6.30E-02	4.70E-03
TCDH063	320	321	54	1040	0.104	5.40E-03
TCDH063	321	322	105	1960	0.19599999	0.0105
TCDH063	322	323	56	880	0.088	5.60E-03
TCDH063	323	324	53	870	8.70E-02	5.30E-03
TCDH063	324	325	90	1060	0.106	9.00E-03
TCDH064	0	2	316	230	0.023	3.16E-02
TCDH064	2	4	302	220	0.022	3.02E-02
TCDH064	4	6	147	140	0.014	0.0147

TCDH064	6	8	66	100	1.00E-02	0.0066
TCDH064	8	10	41	60	6.00E-03	0.0041
TCDH064	10	12	28	20	2.00E-03	2.80E-03
TCDH064	12	14	27	20	2.00E-03	2.70E-03
TCDH064	14	16	26	20	2.00E-03	0.0026
TCDH064	16	18	29	10	0.001	0.0029
TCDH064	18	20	31	10	0.001	3.10E-03
TCDH064	20	22	31	10	0.001	3.10E-03
TCDH064	22	24	34	10	0.001	0.0034
TCDH064	24	26	42	-10	-0.001	4.20E-03
TCDH064	26	28	58	50	5.00E-03	5.80E-03
TCDH064	28	30	95	1880	0.18799999	9.50E-03
TCDH064	30	32	132	820	8.20E-02	0.0132
TCDH064	32	34	171	390	3.90E-02	1.71E-02
TCDH064	34	36	46	140	0.014	4.60E-03
TCDH064	36	38	31	120	0.012	3.10E-03
TCDH064	38	40	54	200	0.02	5.40E-03
TCDH064	40	42	157	110	0.011	1.57E-02
TCDH064	42	44	287	410	4.10E-02	0.0287
TCDH064	44	46	271	110	0.011	2.71E-02
TCDH064	46	48	226	170	1.70E-02	2.26E-02
TCDH064	48	50	371	110	0.011	3.71E-02
TCDH064	50	52	331	90	9.00E-03	3.31E-02
TCDH064	52	54	506	70	7.00E-03	0.0506
TCDH064	54	56	464	70	7.00E-03	4.64E-02
TCDH064	56	58	428	40	4.00E-03	4.28E-02
TCDH064	58	60	404	40	4.00E-03	4.04E-02
TCDH064	60	62	416	80	8.00E-03	0.0416
TCDH064	62	64	355	20	2.00E-03	3.55E-02
TCDH064	64	66	296	440	0.044	0.0296
TCDH064	66	68	342	20	2.00E-03	3.42E-02
TCDH064	68	70	470	-10	-0.001	4.70E-02
TCDH064	70	72	510	30	0.003	5.10E-02
TCDH064	72	74	338	-10	-0.001	3.38E-02
TCDH064	74	76	433	10	0.001	4.33E-02
TCDH064	76	78	422	20	2.00E-03	4.22E-02
TCDH064	78	80	431	20	2.00E-03	4.31E-02
TCDH064	80	82	436	20	2.00E-03	0.0436
TCDH064	82	84	323	40	4.00E-03	3.23E-02
TCDH064	84	86	370	30	0.003	0.037
TCDH064	86	88	383	30	0.003	0.0383
TCDH064	88	90	461	100	1.00E-02	4.61E-02
TCDH064	90	92	432	40	4.00E-03	4.32E-02
TCDH064	92	94	381	40	4.00E-03	0.0381
TCDH064	94	96	407	90	9.00E-03	0.0407
TCDH064	96	98	439	120	0.012	4.39E-02
TCDH064	98	100	420	110	0.011	4.20E-02
TCDH064	100	102	427	200	0.02	0.0427
TCDH064	102	104	353	160	1.60E-02	3.53E-02
TCDH064	104	106	408	240	0.024	4.08E-02
TCDH064	106	108	390	150	0.015	3.90E-02
TCDH064	108	110	398	250	0.025	3.98E-02
TCDH064	110	112	72	40	4.00E-03	7.20E-03
TCDH064	112	114	173	160	1.60E-02	0.0173
TCDH064	114	116	262	290	2.90E-02	0.0262
TCDH064	116	118	320	430	4.30E-02	3.20E-02
TCDH064	118	120	270	440	0.044	2.70E-02
TCDH064	120	122	238	280	2.80E-02	2.38E-02
TCDH064	122	124	140	150	0.015	0.014
TCDH064	124	126	66	30	0.003	0.0066
TCDH064	126	128	62	20	2.00E-03	6.20E-03
TCDH064	128	130	55	20	2.00E-03	0.0055
TCDH064	130	132	43	20	2.00E-03	4.30E-03

TCDH064	132	134	42	10	0.001	4.20E-03
TCDH064	134	136	42	30	0.003	4.20E-03
TCDH064	136	138	42	30	0.003	4.20E-03
TCDH064	138	140	38	10	0.001	3.80E-03
TCDH064	140	142	38	20	2.00E-03	3.80E-03
TCDH064	142	144	38	20	2.00E-03	3.80E-03
TCDH064	144	146	34	30	0.003	0.0034
TCDH064	146	148	32	40	4.00E-03	3.20E-03
TCDH064	148	150	40	20	2.00E-03	4.00E-03
TCDH064	150	152	43	20	2.00E-03	4.30E-03
TCDH064	152	154	48	30	0.003	4.80E-03
TCDH064	154	156	42	20	2.00E-03	4.20E-03
TCDH064	156	158	48	30	0.003	4.80E-03
TCDH064	158	160	54	30	0.003	5.40E-03
TCDH064	160	162	57	60	6.00E-03	5.70E-03
TCDH064	162	164	47	80	8.00E-03	4.70E-03
TCDH064	164	166	75	160	1.60E-02	7.50E-03
TCDH064	166	168	56	120	0.012	5.60E-03
TCDH064	168	170	84	200	0.02	8.40E-03
TCDH064	170	172	64	190	1.90E-02	6.40E-03
TCDH064	172	174	50	160	1.60E-02	5.00E-03
TCDH064	174	176	54	50	5.00E-03	5.40E-03
TCDH064	176	178	63	60	6.00E-03	0.0063
TCDH064	178	180	63	40	4.00E-03	0.0063
TCDH064	180	182	266	2830	0.28299999	0.0266
TCDH064	182	184	2120	14700	1.47	0.212
TCDH064	184	186	1160	23400	2.3399999	0.116
TCDH064	186	188	121	92500	9.25	0.0121
TCDH064	188	190	171	49800	4.98	1.71E-02
TCDH064	190	192	205	5430	0.54299998	2.05E-02
TCDH064	192	194	66	160	1.60E-02	0.0066
TCDH064	194	196	146	60	6.00E-03	0.0146
TCDH064	196	198	150	630	6.30E-02	0.015
TCDH064	198	200	91	260	2.60E-02	9.10E-03
TCDH064	200	202	29	170	1.70E-02	0.0029
TCDH065	0	2	18	40	4.00E-03	0.0018
TCDH065	2	4	24	40	4.00E-03	2.40E-03
TCDH065	4	6	20	30	0.003	2.00E-03
TCDH065	6	8	20	30	0.003	2.00E-03
TCDH065	8	10	34	40	4.00E-03	0.0034
TCDH065	10	12	42	40	4.00E-03	4.20E-03
TCDH065	12	14	44	30	0.003	0.0044
TCDH065	14	16	59	30	0.003	5.90E-03
TCDH065	16	18	56	90	9.00E-03	5.60E-03
TCDH065	18	20	45	70	7.00E-03	4.50E-03
TCDH065	20	22	53	80	8.00E-03	5.30E-03
TCDH065	22	24	56	100	1.00E-02	5.60E-03
TCDH065	24	26	56	120	0.012	5.60E-03
TCDH065	26	28	66	130	0.013	0.0066
TCDH065	28	31	82	340	3.40E-02	0.0082
TCDH065	32	34	73	310	3.10E-02	7.30E-03
TCDH065	34	36	56	290	2.90E-02	5.60E-03
TCDH065	36	38	62	420	4.20E-02	6.20E-03
TCDH065	38	40	74	490	4.90E-02	0.0074
TCDH065	40	42	110	710	7.10E-02	0.011
TCDH065	42	44	81	560	5.60E-02	8.10E-03
TCDH065	44	46	71	480	0.048	0.0071
TCDH065	46	48	116	500	5.00E-02	0.0116
TCDH065	48	50	118	570	0.057	0.0118
TCDH065	50	52	167	680	6.80E-02	0.0167
TCDH065	52	54	167	520	5.20E-02	0.0167
TCDH065	54	56	259	580	5.80E-02	2.59E-02
TCDH065	56	57	485	930	9.30E-02	4.85E-02

TCDH065	57	58	575	1930	0.193	5.75E-02
TCDH065	58	59	1290	1270	0.127	0.12899999
TCDH065	59	60	1390	3740	0.37400001	0.139
TCDH065	60	61	2560	4020	0.40200001	0.25600001
TCDH065	61	62	2790	43200	4.3200002	0.27900001
TCDH065	62	63	3370	33700	3.3699999	0.33700001
TCDH065	63	64	529	44300	4.4299998	5.29E-02
TCDH065	64	65	346	32500	3.25	3.46E-02
TCDH065	65	66	13000	39100	3.9100001	1.3
TCDH065	66	68	5380	36500	3.6500001	0.53799999
TCDH065	68	70	4420	9600	0.95999998	0.442
TCDH065	70	72	898	27400	2.74	0.0898
TCDH065	73	75	1450	15000	1.5	0.145
TCDH065	75	77	1110	28800	2.8800001	0.111
TCDH065	77	79	268	13700	1.37	2.68E-02
TCDH065	79	81	278	11100	1.11	2.78E-02
TCDH065	81	83	196	7120	0.71200001	0.0196
TCDH065	83	85	275	35500	3.55	0.0275
TCDH065	85	86	213	19700	1.97	2.13E-02
TCDH065	86	87	206	22500	2.25	0.0206
TCDH065	87	88	120	16100	1.61	0.012
TCDH065	88	89	95	14100	1.41	9.50E-03
TCDH065	89	90	194	21000	2.0999999	1.94E-02
TCDH065	90	91	207	54000	5.4000001	0.0207
TCDH065	91	92	68	20100	2.01	6.80E-03
TCDH065	92	93	512	22800	2.28	5.12E-02
TCDH065	93	94	322	21200	2.1199999	3.22E-02
TCDH065	94	95	64	17900	1.79	6.40E-03
TCDH065	95	96	948	10900	1.09	9.48E-02
TCDH065	96	97	2300	14200	1.42	0.23
TCDH065	97	98	1410	10600	1.0599999	0.141
TCDH065	98	99	1230	10900	1.09	0.123
TCDH065	99	100	540	9050	0.90499997	5.40E-02
TCDH065	100	101	845	21100	2.1099999	0.0845
TCDH065	101	102	762	25900	2.5899999	7.62E-02
TCDH065	102	103	1890	24500	2.45	0.189
TCDH065	103	104	3710	57300	5.73	0.37099999
TCDH065	104	105	3110	9560	0.95599997	0.31099999
TCDH065	105	106	2540	8370	0.83700001	0.25400001
TCDH065	106	107	3110	8610	0.861	0.31099999
TCDH065	107	108	1820	25500	2.55	0.182
TCDH065	108	109	17400	40000	4	1.74
TCDH065	109	110	2400	41400	4.1399999	0.23999999
TCDH065	110	111	1490	17000	1.7	0.149
TCDH065	111	112	2990	106000	10.6	0.29899999
TCDH065	112	113	2780	14400	1.4400001	0.278
TCDH065	113	114	3880	13500	1.35	0.38800001
TCDH065	114	115	1680	12700	1.27	0.168
TCDH065	115	116	5270	49100	4.9099998	0.52700001
TCDH065	118	119	5800	127000	12.7	0.57999998
TCDH065	119	120	5670	70000	7	0.56699997
TCDH065	120	121	2750	35800	3.5799999	0.27500001
TCDH065	121	122	6750	60100	6.0100002	0.67500001
TCDH065	122	123	7300	50000	5	0.73000002
TCDH065	123	124	3530	8690	0.86900002	0.35299999
TCDH065	124	125	900	6080	0.60799998	9.00E-02
TCDH065	125	126	687	25800	2.5799999	6.87E-02
TCDH065	126	127	960	55400	5.54	9.60E-02
TCDH065	127	128	641	10900	1.09	6.41E-02
TCDH065	128	129	557	5100	0.50999999	0.0557
TCDH065	129	130	525	570	0.057	5.25E-02
TCDH065	130	131	866	36400	3.6400001	8.66E-02
TCDH065	131	132	895	12700	1.27	8.95E-02

TCDH065	132	133	842	29800	2.98	8.42E-02
TCDH065	133	134	354	19600	1.96	3.54E-02
TCDH065	134	135	142	9230	0.92299998	0.0142
TCDH065	135	136	144	11500	1.15	0.0144
TCDH065	136	137	712	36900	3.6900001	7.12E-02
TCDH065	137	138	1280	71000	7.0999999	0.12800001
TCDH065	138	139	1480	76100	7.6100001	0.148
TCDH065	139	140	1530	102000	10.2	0.153
TCDH065	140	141	693	65000	6.5	6.93E-02
TCDH065	141	142	779	36800	3.6800001	0.0779
TCDH065	142	143	422	25800	2.5799999	4.22E-02
TCDH065	143	144	307	3990	0.39899999	0.0307
TCDH065	144	145	732	6390	0.639	7.32E-02
TCDH065	145	146	1910	47700	4.77	0.191
TCDH065	146	147	3260	126000	12.6	0.32600001
TCDH065	147	148	3140	183000	18.299999	0.31400001
TCDH065	148	149	2360	45800	4.5799999	0.236
TCDH065	149	150	1500	9570	0.95700002	0.15000001
TCDH065	150	151	1160	18100	1.8099999	0.116
TCDH065	151	152	697	20900	2.0899999	6.97E-02
TCDH065	152	153	2350	18800	1.88	0.235
TCDH065	153	154	3050	19800	1.98	0.30500001
TCDH065	154	155	4340	20700	2.0699999	0.43399999
TCDH065	155	156	3290	6150	0.61500001	0.329
TCDH065	156	157	2480	4300	0.43000001	0.248
TCDH065	157	158	1080	11300	1.13	0.108
TCDH065	158	159	1110	23200	2.3199999	0.111
TCDH065	159	160	820	8760	0.87599999	8.20E-02
TCDH065	160	161	57	19000	1.9	5.70E-03
TCDH065	161	162	829	50700	5.0700002	8.29E-02
TCDH065	162	163	1760	16100	1.61	0.176
TCDH065	163	164	655	18300	1.83	6.55E-02
TCDH065	164	165	2020	22000	2.2	0.20200001
TCDH065	165	166	2860	31100	3.1099999	0.28600001
TCDH065	166	167	300	10500	1.05	3.00E-02
TCDH065	167	168	793	15500	1.55	7.93E-02
TCDH065	168	169	929	34100	3.4100001	9.29E-02
TCDH065	169	170	451	11800	1.1799999	0.0451
TCDH065	170	171	229	13000	1.3	0.0229
TCDH065	171	172	166	24900	2.49	0.0166
TCDH065	172	173	44	15600	1.5599999	0.0044
TCDH065	173	174	6080	21300	2.1300001	0.60799998
TCDH065	174	175	1120	28000	2.8	0.112
TCDH065	175	176	752	15200	1.52	7.52E-02
TCDH065	176	177	34	1220	0.122	0.0034
TCDH065	177	178	1020	10600	1.0599999	0.102
TCDH065	178	179	985	10100	1.01	9.85E-02
TCDH065	179	180	181	-10	-0.001	1.81E-02
TCDH065	180	182	105	-10	-0.001	0.0105
TCDH065	182	184	95	10	0.001	9.50E-03
TCDH065	184	186	285	500	5.00E-02	0.0285
TCDH065	186	188	137	40	4.00E-03	0.0137
TCDH065	188	190	93	20	2.00E-03	0.0093
TCDH065	190	192	47	10	0.001	4.70E-03
TCDH065	192	194	59	30	0.003	5.90E-03
TCDH065	194	196	108	20	2.00E-03	0.0108
TCDH065	196	198	153	20	2.00E-03	0.0153
TCDH065	198	200	184	30	0.003	0.0184
TCDH065	200	202	201	60	6.00E-03	2.01E-02
TCDH065	202	204	202	50	5.00E-03	2.02E-02
TCDH065	204	206	217	60	6.00E-03	0.0217
TCDH065	206	208	170	20	2.00E-03	1.70E-02
TCDH065	208	210	196	20	2.00E-03	0.0196

TCDH065	210	212	151	20	2.00E-03	0.0151
TCDH065	212	214	69	30	0.003	6.90E-03
TCDH065	214	216	77	20	2.00E-03	0.0077
TCDH065	216	218	77	-10	-0.001	0.0077
TCDH065	218	220	110	-10	-0.001	0.011
TCDH065	220	222	104	10	0.001	0.0104
TCDH065	222	224	127	20	2.00E-03	0.0127
TCDH065	224	226	244	40	4.00E-03	0.0244
TCDH065	226	228	299	220	0.022	2.99E-02
TCDH065	228	230	17100	-10	-0.001	1.71
TCDH065	230	232	96	-10	-0.001	9.60E-03
TCDH065	232	234	53	-10	-0.001	5.30E-03
TCDH065	234	236	55	10	0.001	0.0055
TCDH065	236	238	66	20	2.00E-03	0.0066
TCDH065	238	240	53	30	0.003	5.30E-03
TCDH065	240	242	58	10	0.001	5.80E-03
TCDH065	242	244	59	20	2.00E-03	5.90E-03
TCDH065	244	246	60	40	4.00E-03	6.00E-03
TCDH065	246	248	71	70	7.00E-03	0.0071
TCDH065	248	250	608	6080	0.60799998	6.08E-02
TCDH065	250	252	199	1950	0.19499999	0.0199
TCDH065	252	254	96	100	1.00E-02	9.60E-03
TCDH065	254	256	72	90	9.00E-03	7.20E-03
TCDH065	256	258	69	70	7.00E-03	6.90E-03
TCDH065	258	260	73	300	3.00E-02	7.30E-03
TCDH065	260	262	74	70	7.00E-03	0.0074
TCDH065	262	264	81	80	8.00E-03	8.10E-03
TCDH065	264	266	54	80	8.00E-03	5.40E-03
TCDH065	266	268	49	90	9.00E-03	4.90E-03
TCDH065	268	270	43	10	0.001	4.30E-03
TCDH065	270	272	23	-10	-0.001	2.30E-03
TCDH065	272	274	21	-10	-0.001	2.10E-03
TCDH065	274	276	21	-10	-0.001	2.10E-03
TCDH065	276	278	21	-10	-0.001	2.10E-03
TCDH065	278	280	22	40	4.00E-03	0.0022
TCDH065	280	282	24	-10	-0.001	2.40E-03
TCDH065	282	284	26	-10	-0.001	0.0026
TCDH065	284	286	27	-10	-0.001	2.70E-03
TCDH065	286	288	38	20	2.00E-03	3.80E-03
TCDH065	288	290	44	160	1.60E-02	0.0044
TCDH065	290	292	38	70	7.00E-03	3.80E-03
TCDH065	292	294	46	120	0.012	4.60E-03
TCDH065	294	296	47	110	0.011	4.70E-03
TCDH065	296	298	47	60	6.00E-03	4.70E-03
TCDH066	0	2	90	410	4.10E-02	9.00E-03
TCDH066	2	4	55	270	2.70E-02	0.0055
TCDH066	4	6	127	500	5.00E-02	0.0127
TCDH066	6	8	134	540	5.40E-02	0.0134
TCDH066	8	10	206	870	8.70E-02	0.0206
TCDH066	10	12	150	550	0.055	0.015
TCDH066	12	14	160	540	5.40E-02	1.60E-02
TCDH066	14	16	249	610	6.10E-02	2.49E-02
TCDH066	16	18	439	480	0.048	4.39E-02
TCDH066	18	20	948	1070	0.107	9.48E-02
TCDH066	20	22	1100	3370	0.33700001	0.11
TCDH066	22	23	21100	9880	0.98799998	2.1099999
TCDH066	23	24	352	27800	2.78	0.0352
TCDH066	24	25	809	56600	5.6599998	8.09E-02
TCDH066	25	26	424	37900	3.79	4.24E-02
TCDH066	26	27	120	35100	3.51	0.012
TCDH066	27	28	185	23000	2.3	0.0185
TCDH066	28	29	475	6960	0.69599998	4.75E-02
TCDH066	29	30	644	18500	1.85	6.44E-02

TCDH066	32	33	24500	130000	13	2.45
TCDH066	33	34	173	1400	0.14	0.0173
TCDH066	34	35	303	3770	0.377	3.03E-02
TCDH066	35	36	271	4590	0.45899999	2.71E-02
TCDH066	36	37	272	20900	2.0899999	0.0272
TCDH066	37	38	159	33300	3.3299999	1.59E-02
TCDH066	38	39	176	24100	2.4100001	0.0176
TCDH066	39	40	172	26600	2.6600001	1.72E-02
TCDH066	40	41	245	53200	5.3200002	2.45E-02
TCDH066	41	42	174	6400	0.63999999	0.0174
TCDH066	42	43	127	3770	0.377	0.0127
TCDH066	43	44	96	6130	0.61299998	9.60E-03
TCDH066	44	45	123	29400	2.9400001	0.0123
TCDH066	45	46	131	59700	5.9699998	0.0131
TCDH066	46	48	78	56600	5.6599998	7.80E-03
TCDH066	48	50	189	79000	7.9000001	0.0189
TCDH066	50	52	3750	17700	1.77	0.375
TCDH066	52	53	7880	19200	1.92	0.78799999
TCDH066	54	55	6840	10400	1.04	0.68400002
TCDH066	55	56	7020	9710	0.97100002	0.70200002
TCDH066	56	57	2910	8920	0.89200002	0.29100001
TCDH066	57	58	1390	2170	0.21699999	0.139
TCDH066	58	59	5840	29300	2.9300001	0.58399999
TCDH066	59	60	2410	6140	0.61400002	0.241
TCDH066	60	61	9620	30300	3.03	0.96200001
TCDH066	61	62	1850	8750	0.875	0.185
TCDH066	62	63	6060	30300	3.03	0.60600001
TCDH066	63	64	7650	23800	2.3800001	0.76499999
TCDH066	64	65	1490	6140	0.61400002	0.149
TCDH066	65	66	1060	5990	0.59899998	0.106
TCDH066	66	67	3030	11200	1.12	0.303
TCDH066	67	68	1830	35500	3.55	0.183
TCDH066	68	69	7370	57100	5.71	0.73699999
TCDH066	69	70	8430	40300	4.0300002	0.84299999
TCDH066	70	71	364	9020	0.90200001	3.64E-02
TCDH066	71	72	1510	24300	2.4300001	0.15099999
TCDH066	72	73	1080	11800	1.1799999	0.108
TCDH066	73	74	239	4910	0.491	0.0239
TCDH066	74	75	626	5420	0.542	6.26E-02
TCDH066	75	76	2330	6300	0.63	0.233
TCDH066	76	77	1290	8140	0.81400001	0.12899999
TCDH066	77	78	1040	13100	1.3099999	0.104
TCDH066	78	79	787	9640	0.96399999	7.87E-02
TCDH066	79	80	5170	20200	2.02	0.51700002
TCDH066	80	81	262	550	0.055	0.0262
TCDH066	81	82	1840	12200	1.22	0.184
TCDH066	82	83	1550	7710	0.77100003	0.155
TCDH066	83	84	318	3070	0.30700001	3.18E-02
TCDH066	84	85	1440	6670	0.667	0.14399999
TCDH066	85	86	520	1350	0.13500001	5.20E-02
TCDH066	86	87	328	1700	0.17	0.0328
TCDH066	87	88	261	3560	0.35600001	0.0261
TCDH066	88	89	1250	7950	0.79500002	0.125
TCDH066	89	90	391	5060	0.50599998	3.91E-02
TCDH066	90	91	520	4080	0.40799999	5.20E-02
TCDH066	91	92	899	11100	1.11	8.99E-02
TCDH066	92	93	1980	13700	1.37	0.198
TCDH066	93	94	565	740	7.40E-02	5.65E-02
TCDH066	94	95	230	430	4.30E-02	0.023
TCDH066	95	96	225	1460	0.146	2.25E-02
TCDH066	96	97	341	1770	0.177	0.0341
TCDH066	97	98	287	4790	0.479	0.0287
TCDH066	98	99	322	2530	0.25299999	3.22E-02

TCDH066	99	100	630	7090	0.70899999	6.30E-02
TCDH066	100	101	270	2190	0.219	2.70E-02
TCDH066	101	102	493	1550	0.155	0.0493
TCDH066	102	103	274	310	3.10E-02	0.0274
TCDH066	103	104	766	8100	0.81	0.0766
TCDH066	104	105	482	5330	0.53299999	0.0482
TCDH066	105	106	410	16700	1.67	4.10E-02
TCDH066	106	107	1500	17700	1.77	0.15000001
TCDH066	107	108	4160	25900	2.5899999	0.41600001
TCDH066	108	109	1410	11600	1.16	0.141
TCDH066	109	110	417	5760	0.57599998	4.17E-02
TCDH066	110	111	605	3390	0.33899999	0.0605
TCDH066	111	112	434	12300	1.23	4.34E-02
TCDH066	112	113	266	4050	0.405	0.0266
TCDH066	113	114	12100	37700	3.77	1.21
TCDH066	114	115	543	9310	0.93099999	5.43E-02
TCDH066	115	116	2300	62000	6.1999998	0.23
TCDH066	116	117	772	9170	0.917	7.72E-02
TCDH066	117	118	1380	56100	5.6100001	0.138
TCDH066	118	119	2410	10800	1.08	0.241
TCDH066	119	120	1840	49800	4.98	0.184
TCDH066	120	121	5220	49400	4.9400001	0.52200001
TCDH066	121	122	1210	35500	3.55	0.121
TCDH066	122	123	1320	14400	1.4400001	0.132
TCDH066	123	124	5290	58800	5.8800001	0.52899998
TCDH066	124	125	3800	67400	6.7399998	0.38
TCDH066	125	126	7250	34800	3.48	0.72500002
TCDH066	126	127	8370	30800	3.0799999	0.83700001
TCDH066	127	128	4670	11300	1.13	0.46700001
TCDH066	128	129	2850	28400	2.8399999	0.285
TCDH066	129	130	6160	15400	1.54	0.616
TCDH066	130	131	61800	55000	5.5	6.1799998
TCDH066	131	132	6510	13600	1.36	0.65100002
TCDH066	132	133	38900	52800	5.2800002	3.8900001
TCDH066	133	134	7530	11200	1.12	0.75300002
TCDH066	134	136	1200	320	3.20E-02	0.12
TCDH066	136	138	148	50	5.00E-03	0.0148
TCDH066	138	140	134	50	5.00E-03	0.0134
TCDH066	140	142	98	60	6.00E-03	9.80E-03
TCDH066	142	144	144	60	6.00E-03	0.0144
TCDH066	144	146	170	30	0.003	1.70E-02
TCDH066	146	148	300	40	4.00E-03	3.00E-02
TCDH066	148	150	244	40	4.00E-03	0.0244
TCDH066	150	152	498	230	0.023	4.98E-02
TCDH066	152	154	108	40	4.00E-03	0.0108
TCDH066	154	156	45	10	0.001	4.50E-03
TCDH066	156	158	33	10	0.001	0.0033
TCDH066	158	160	36	20	2.00E-03	3.60E-03
TCDH066	160	162	27	10	0.001	2.70E-03
TCDH066	162	164	37	10	0.001	0.0037
TCDH066	164	166	40	20	2.00E-03	4.00E-03
TCDH066	166	168	35	10	0.001	3.50E-03
TCDH066	168	170	30	10	0.001	0.003
TCDH066	170	172	34	10	0.001	0.0034
TCDH066	173	175	36	20	2.00E-03	3.60E-03
TCDH066	175	177	41	20	2.00E-03	0.0041
TCDH066	177	179	40	20	2.00E-03	4.00E-03
TCDH066	179	181	42	10	0.001	4.20E-03
TCDH066	181	183	47	10	0.001	4.70E-03
TCDH066	183	185	50	70	7.00E-03	5.00E-03
TCDH066	187	189	45	20	2.00E-03	4.50E-03
TCDH066	189	191	47	10	0.001	4.70E-03
TCDH066	191	193	50	-10	-0.001	5.00E-03

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TCDH066	196	199	51	-10	-0.001	5.10E-03
TCDH066	201	204	44	-10	-0.001	0.0044
TCDH066	215	217	48	-10	-0.001	4.80E-03
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TCDH066	219	221	49	-10	-0.001	4.90E-03
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TCDH066	229	231	26	-10	-0.001	0.0026
TCDH066	231	233	22	-10	-0.001	0.0022
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TCDH066	247	249	47	70	7.00E-03	4.70E-03
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TCDH066	255	257	37	90	9.00E-03	0.0037
TCDH067	0	2	172	610	6.10E-02	1.72E-02
TCDH067	2	4	1990	1360	0.13600001	0.199
TCDH067	4	6	1500	1050	0.105	0.15000001
TCDH067	6	8	406	490	4.90E-02	4.06E-02
TCDH067	8	10	475	560	5.60E-02	4.75E-02
TCDH067	10	12	522	800	8.00E-02	5.22E-02
TCDH067	12	14	800	1490	0.149	8.00E-02
TCDH067	14	16	416	1340	0.134	0.0416
TCDH067	16	18	603	1350	0.13500001	0.0603
TCDH067	18	20	504	880	0.088	0.0504
TCDH067	20	22	1730	1800	0.18000001	0.17299999
TCDH067	22	24	536	860	8.60E-02	5.36E-02
TCDH067	24	26	3110	2830	0.28299999	0.31099999
TCDH067	26	28	5140	2970	0.29699999	0.514
TCDH067	28	30	13600	6340	0.634	1.36
TCDH067	30	32	11100	5030	0.50300002	1.11
TCDH067	32	34	13700	7750	0.77499998	1.37
TCDH067	34	36	1220	890	8.90E-02	0.122
TCDH067	36	38	1670	1130	0.113	0.167
TCDH067	38	40	1970	1160	0.116	0.197
TCDH067	40	42	4360	3190	0.31900001	0.43599999
TCDH067	42	44	7670	6430	0.64300001	0.76700002
TCDH067	44	46	1500	2060	0.206	0.15000001
TCDH067	46	48	698	1450	0.145	6.98E-02
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TCDH067	50	52	1550	2670	0.26699999	0.155
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TCDH067	54	56	311	1770	0.177	3.11E-02
TCDH067	56	58	355	1120	0.112	3.55E-02
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TCDH067	68	70	223	2430	0.243	2.23E-02
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TCDH067	74	76	210	2480	0.248	0.021
TCDH067	76	78	149	1930	0.193	0.0149

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TCDH067	81	82	302	8050	0.80500001	3.02E-02
TCDH067	82	83	301	39200	3.9200001	3.01E-02
TCDH067	83	84	403	9690	0.96899998	0.0403
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TCDH067	85	86	301	6420	0.64200002	3.01E-02
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TCDH067	87	88	106	3420	0.34200001	0.0106
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TCDH067	89	90	139	5090	0.509	0.0139
TCDH067	90	91	146	3230	0.32300001	0.0146
TCDH067	91	92	188	3240	0.324	0.0188
TCDH067	92	93	238	6840	0.68400002	2.38E-02
TCDH067	93	94	180	4830	0.48300001	1.80E-02
TCDH067	94	95	287	13000	1.3	0.0287
TCDH067	95	96	318	3260	0.32600001	3.18E-02
TCDH067	96	97	279	1190	0.119	2.79E-02
TCDH067	97	98	608	8480	0.84799999	6.08E-02
TCDH067	98	99	539	6600	0.66000003	0.0539
TCDH067	99	100	504	9020	0.90200001	0.0504
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TCDH067	101	102	1220	5940	0.59399998	0.122
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TCDH067	104	106	2210	24600	2.46	0.221
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TCDH067	134	136	166	300	3.00E-02	0.0166
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TCDH067	140	142	203	50	5.00E-03	2.03E-02
TCDH067	145	147	868	1210	0.121	8.68E-02
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TCRD017	393	394	74	760	7.60E-02	0.0074
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TCRD017	397	398	399	11500	1.15	3.99E-02
TCRD017	398	399	394	3110	0.31099999	0.0394
TCRD017	399	400	10	550	0.055	0.001
TCRD017	400	401	25	1730	0.17299999	2.50E-03
TCRD017	401	402	17	1200	0.12	0.0017
TCRD017	402	403	9	700	0.07	9.00E-04
TCRD017	403	404	132	1030	0.103	0.0132
TCRD017	404	405	589	1640	0.164	5.89E-02
TCRD017	405	406	284	1320	0.132	0.0284
TCRD017	406	407	49	2110	0.211	4.90E-03
TCRD017	407	408	84	1460	0.146	8.40E-03
TCRD017	408	409	117	1900	0.19	0.0117
TCRD017	409	410	845	11600	1.16	0.0845
TCRD017	410	411	13	4200	0.41999999	0.0013
TCRD017	411	412	8	950	9.50E-02	8.00E-04
TCRD017	412	413	29	1930	0.193	0.0029
TCRD017	413	414	13	340	3.40E-02	0.0013
TCRD017	414	415	13	850	8.50E-02	0.0013
TCRD017	415	416	33	340	3.40E-02	0.0033
TCRD017	416	417	9	360	3.60E-02	9.00E-04
TCRD017	417	418	65	1440	0.14399999	6.50E-03
TCRD017	418	419	84	1550	0.155	8.40E-03
TCRD017	419	420	82	1150	0.115	0.0082
TCRD017	420	421	117	470	4.70E-02	0.0117
TCRD017	421	422	264	470	4.70E-02	0.0264
TCRD017	422	423	84	360	3.60E-02	8.40E-03
TCRD017	423	424	74	410	4.10E-02	0.0074
TCRD017	424	425	76	220	0.022	7.60E-03
TCRD017	425	426	87	130	0.013	8.70E-03
TCRD017	426	427	73	260	2.60E-02	7.30E-03
TCRD017	427	428	83	360	3.60E-02	8.30E-03
TCRD017	428	429	255	1410	0.141	0.0255
TCRD017	429	430	1160	1100	0.11	0.116
TCRD047	104	105	3560	308000	30.799999	0.35600001
TCRD047	105	106	1780	73800	7.3800001	0.178
TCRD047	106	107	2030	43500	4.3499999	0.20299999
TCRD047	107	108	25700	309000	30.9	2.5699999
TCRD047	108	109	5130	102000	10.2	0.51300001
TCRD047	109	110	1670	65100	6.5100002	0.167
TCRD047	110	111	509	33200	3.3199999	5.09E-02
TCRD047	111	112	3010	86300	8.6300001	0.301
TCRD047	112	113	5320	168000	16.799999	0.53200001
TCRD047	113	114	523	14000	1.4	5.23E-02
TCRD047	114	115	269	8290	0.829	2.69E-02
TCRD047	115	116	1340	45800	4.5799999	0.134
TCRD047	116	117	431	25100	2.51	4.31E-02
TCRD047	117	118	749	24700	2.47	7.49E-02
TCRD047	118	119	3190	20300	2.03	0.31900001
TCRD047	119	120	507	8110	0.81099999	5.07E-02

TCRD047	120	121	306	2340	0.234	0.0306
TCRD047	121	122	2410	15600	1.5599999	0.241
TCRD047	122	123	4200	15000	1.5	0.41999999
TCRD047	123	124	678	7400	0.74000001	0.0678
TCRD047	124	126	651	4990	0.49900001	6.51E-02
TCRD047	126	128	201	6030	0.60299999	2.01E-02
TCRD047	132	134	1650	21100	2.1099999	0.16500001
TCRD047	134	136	1720	23000	2.3	0.17200001
TCRD047	136	138	5400	48600	4.8600001	0.54000002
TCRD047	138	140	576	17600	1.76	5.76E-02
TCRD047	140	142	112	7020	0.70200002	0.0112
TCRD047	142	144	184	6360	0.63599998	0.0184
TCRD047	144	146	208	6920	0.69199997	0.0208
TCRD047	146	148	425	6990	0.699	0.0425
TCRD047	148	149	424	9220	0.92199999	4.24E-02
TCRD047	149	150	170	9960	0.99599999	1.70E-02
TCRD047	150	151	178	10700	1.0700001	0.0178
TCRD047	151	152	189	8330	0.833	0.0189
TCRD047	152	153	96	19400	1.9400001	9.60E-03
TCRD047	153	154	150	20400	2.04	0.015
TCRD047	154	155	134	18200	1.8200001	0.0134
TCRD047	155	156	122	20200	2.02	0.0122
TCRD047	156	157	257	38900	3.8900001	2.57E-02
TCRD047	157	158	100	18800	1.88	1.00E-02
TCRD047	158	159	182	26000	2.5999999	1.82E-02
TCRD047	160	162	93	5150	0.51499999	0.0093
TCRD047	162	164	169	8380	0.838	1.69E-02
TCRD047	164	166	288	12200	1.22	0.0288
TCRD047	166	168	136	9820	0.98199999	0.0136
TCRD047	168	169	281	19900	1.99	2.81E-02
TCRD047	169	170	56	10300	1.03	5.60E-03
TCRD047	170	171	44	9480	0.94800001	0.0044
TCRD047	171	172	53	13800	1.38	5.30E-03
TCRD047	172	173	47	7950	0.79500002	4.70E-03
TCRD047	173	174	52	19400	1.9400001	0.0052
TCRD047	174	175	45	13700	1.37	4.50E-03
TCRD047	175	176	36	11300	1.13	3.60E-03
TCRD047	176	177	55	16400	1.64	0.0055
TCRD047	177	178	33	12300	1.23	0.0033
TCRD047	178	179	72	20200	2.02	7.20E-03
TCRD047	179	180	113	18600	1.86	0.0113
TCRD047	180	181	39	5590	0.55900002	3.90E-03
TCRD047	181	182	56	6900	0.69	5.60E-03
TCRD047	182	183	36	3960	0.396	3.60E-03
TCRD047	183	184	34	2090	0.20900001	0.0034
TCRD047	184	185	26	2020	0.20200001	0.0026
TCRD047	185	186	28	2360	0.236	2.80E-03
TCRD047	186	187	27	2000	0.2	2.70E-03
TCRD047	187	188	43	5610	0.56099999	4.30E-03
TCRD047	188	189	34	3770	0.377	0.0034
TCRD047	189	190	28	380	3.80E-02	2.80E-03
TCRD047	190	191	27	3280	0.32800001	2.70E-03
TCRD047	191	192	25	4980	0.498	2.50E-03
TCRD047	192	193	25	2190	0.219	2.50E-03
TCRD047	193	194	34	12600	1.26	0.0034
TCRD047	194	195	126	25900	2.5899999	0.0126
TCRD047	195	196	59	24200	2.4200001	5.90E-03
TCRD047	196	197	39	21400	2.1400001	3.90E-03
TCRD047	197	198	50	16500	1.65	5.00E-03
TCRD047	198	199	43	17700	1.77	4.30E-03
TCRD047	199	200	56	24600	2.46	5.60E-03
TCRD047	200	201	37	10000	1	0.0037
TCRD047	201	202	50	19900	1.99	5.00E-03

TCRD047	202	203	35	5580	0.55800003	3.50E-03
TCRD047	203	204	31	2090	0.20900001	3.10E-03
TCRD047	204	205	56	3600	0.36000001	5.60E-03
TCRD047	205	206	52	13600	1.36	0.0052
TCRD047	206	207	35	1540	0.154	3.50E-03
TCRD047	207	208	43	34800	3.48	4.30E-03
TCRD047	208	209	45	34900	3.49	4.50E-03
TCRD047	209	210	44	770	0.077	0.0044
TCRD047	210	211	166	3300	0.33000001	0.0166
TCRD047	211	212	66	10400	1.04	0.0066
TCRD047	212	213	226	23000	2.3	2.26E-02
TCRD047	213	214	154	7060	0.70599997	0.0154
TCRD047	214	215	44	21300	2.1300001	0.0044
TCRD047	215	216	42	14300	1.4299999	4.20E-03
TCRD047	216	217	39	11300	1.13	3.90E-03
TCRD047	217	218	37	7240	0.72399998	0.0037
TCRD047	218	219	75	18300	1.83	7.50E-03
TCRD047	219	220	46	23100	2.3099999	4.60E-03
TCRD047	220	221	298	12200	1.22	0.0298
TCRD047	221	222	252	6390	0.639	0.0252
TCRD047	222	223	82	19200	1.92	0.0082
TCRD047	223	224	143	37600	3.76	0.0143
TCRD047	224	225	129	22900	2.29	0.0129
TCRD047	225	226	261	9280	0.92799997	0.0261
TCRD047	226	227	61	11400	1.14	6.10E-03
TCRD047	227	228	174	25200	2.52	0.0174
TCRD047	228	229	303	26400	2.6400001	3.03E-02
TCRD047	229	230	116	23700	2.3699999	0.0116
TCRD047	230	231	76	42100	4.21	7.60E-03
TCRD047	231	232	34	11800	1.1799999	0.0034
TCRD047	232	233	49	22000	2.2	4.90E-03
TCRD047	233	234	63	18400	1.84	0.0063
TCRD047	234	235	93	21300	2.1300001	0.0093
TCRD047	235	236	50	6110	0.611	5.00E-03
TCRD047	236	237	134	13500	1.35	0.0134
TCRD048	100	102	498	180	1.80E-02	4.98E-02
TCRD048	104	106	319	280	2.80E-02	0.0319
TCRD048	106	108	176	410	4.10E-02	0.0176
TCRD048	108	110	224	190	1.90E-02	2.24E-02
TCRD048	110	112	276	250	0.025	0.0276
TCRD048	112	114	334	110	0.011	3.34E-02
TCRD048	114	116	518	120	0.012	5.18E-02
TCRD048	116	118	2000	900	9.00E-02	0.2
TCRD048	118	119	1140	1540	0.154	0.114
TCRD048	119	120	1140	2540	0.25400001	0.114
TCRD048	120	121	1600	7320	0.73199999	0.16
TCRD048	121	122	5760	15900	1.59	0.57599998
TCRD048	122	123	11800	3360	0.336	1.1799999
TCRD048	123	124	14700	2760	0.27599999	1.47
TCRD048	124	125	10800	5590	0.55900002	1.08
TCRD048	125	126	6580	1880	0.18799999	0.65799999
TCRD048	126	127	10900	2930	0.29300001	1.09
TCRD048	127	128	8570	4850	0.48500001	0.85699999
TCRD048	128	129	18400	5730	0.57300001	1.84
TCRD048	129	130	18700	5700	0.56999999	1.87
TCRD048	130	131	25500	14600	1.46	2.55
TCRD048	131	132	19400	14600	1.46	1.9400001
TCRD048	132	133	15400	4470	0.447	1.54
TCRD048	133	134	3140	6500	0.64999998	0.31400001
TCRD048	134	135	6740	12200	1.22	0.67400002
TCRD048	135	136	2050	17500	1.75	0.205
TCRD048	136	137	1520	2210	0.221	0.152
TCRD048	137	138	11500	7730	0.773	1.15

TCRD048	138	139	26200	9650	0.96499997	2.6199999
TCRD048	139	140	10900	58400	5.8400002	1.09
TCRD048	140	141	15500	27000	2.7	1.55
TCRD048	141	142	9790	56800	5.6799998	0.97899997
TCRD048	142	143	5600	60800	6.0799999	0.56
TCRD048	143	144	20600	41600	4.1599998	2.0599999
TCRD048	144	145	14100	73200	7.3200002	1.41
TCRD048	145	146	717	89900	8.9899998	7.17E-02
TCRD048	146	147	848	64400	6.4400001	8.48E-02
TCRD048	147	148	473	65100	6.5100002	0.0473
TCRD048	148	149	297	55300	5.5300002	0.0297
TCRD048	149	150	320	80300	8.0299997	3.20E-02
TCRD048	150	151	1030	239000	23.9	0.103
TCRD048	151	152	953	112000	11.2	9.53E-02
TCRD048	152	153	1470	157000	15.7	0.147
TCRD048	153	154	371	9620	0.96200001	3.71E-02
TCRD048	154	155	275	13100	1.3099999	0.0275
TCRD048	155	156	554	60600	6.0599999	5.54E-02
TCRD048	156	157	1620	130000	13	0.162
TCRD048	157	158	1690	93800	9.3800001	0.169
TCRD048	158	159	1940	80100	8.0100002	0.19400001
TCRD048	159	160	5070	148000	14.8	0.50700003
TCRD048	160	161	1080	140000	14	0.108
TCRD048	161	162	769	103000	10.3	7.69E-02
TCRD048	162	163	2570	258000	25.799999	0.257
TCRD048	163	164	792	114000	11.4	0.0792
TCRD048	164	165	244	94000	9.3999996	0.0244
TCRD048	165	166	55	19200	1.92	0.0055
TCRD048	166	167	16	6290	0.62900001	0.0016
TCRD048	167	168	137	12500	1.25	0.0137
TCRD048	168	169	249	65700	6.5700002	2.49E-02
TCRD048	169	170	97	28900	2.8900001	9.70E-03
TCRD048	170	171	314	158000	15.8	3.14E-02
TCRD048	171	172	309	106000	10.6	0.0309
TCRD048	172	173	259	67000	6.6999998	2.59E-02
TCRD048	173	174	273	78900	7.8899999	0.0273
TCRD048	174	175	58	11100	1.11	5.80E-03
TCRD048	175	176	205	97000	9.6999998	2.05E-02
TCRD048	176	177	335	46700	4.6700001	3.35E-02
TCRD048	177	178	573	71600	7.1599998	5.73E-02
TCRD048	178	179	1220	175000	17.5	0.122
TCRD048	179	180	2730	224000	22.4	0.273
TCRD048	180	181	591	81000	8.1000004	5.91E-02
TCRD048	181	182	176	58100	5.8099999	0.0176
TCRD048	182	183	207	41200	4.1199999	0.0207
TCRD048	183	184	554	95600	9.5600004	5.54E-02
TCRD048	184	185	419	87700	8.7700005	4.19E-02
TCRD048	185	186	87	100000	10	8.70E-03
TCRD048	186	187	108	79200	7.9200001	0.0108
TCRD048	187	188	189	10500	1.05	0.0189
TCRD048	188	189	219	195000	19.5	0.0219
TCRD048	189	190	42	16100	1.61	4.20E-03
TCRD048	190	191	95	25600	2.5599999	9.50E-03
TCRD048	191	192	150	20700	2.0699999	0.015
TCRD048	192	193	133	87000	8.6999998	0.0133
TCRD048	193	194	272	197000	19.700001	0.0272
TCRD048	194	195	218	106000	10.6	0.0218
TCRD048	195	196	188	246000	24.6	0.0188
TCRD048	196	197	104	29700	2.97	0.0104
TCRD048	197	198	2430	88800	8.8800001	0.243
TCRD048	198	199	413	77800	7.7800002	4.13E-02
TCRD048	199	200	130	175000	17.5	0.013
TCRD048	200	201	166	70000	7	0.0166

TCRD048	201	202	201	95100	9.5100002	2.01E-02
TCRD048	202	203	157	176000	17.6	1.57E-02
TCRD048	203	204	157	85400	8.54	1.57E-02
TCRD048	204	205	113	24700	2.47	0.0113
TCRD048	205	206	135	43900	4.3899999	0.0135
TCRD048	206	207	695	114000	11.4	6.95E-02
TCRD048	207	208	325	30500	3.05	3.25E-02
TCRD048	208	209	461	151000	15.1	4.61E-02
TCRD048	209	210	1260	162000	16.200001	0.126
TCRD048	210	211	639	264000	26.4	6.39E-02
TCRD048	211	212	848	208000	20.799999	8.48E-02
TCRD048	212	213	666	107000	10.7	6.66E-02
TCRD048	213	214	203	58900	5.8899999	2.03E-02
TCRD048	214	215	979	58600	5.8600001	9.79E-02
TCRD048	215	216	309	29300	2.9300001	0.0309
TCRD048	216	217	253	185000	18.5	0.0253
TCRD048	217	218	111	81200	8.1199999	0.0111
TCRD048	218	219	134	133000	13.3	0.0134
TCRD048	219	220	346	157000	15.7	3.46E-02
TCRD048	220	221	102	83600	8.3599997	0.0102
TCRD048	221	222	214	51800	5.1799998	2.14E-02
TCRD048	222	223	91	62300	6.23	9.10E-03
TCRD048	223	224	483	191000	19.1	4.83E-02
TCRD048	224	225	1700	99100	9.9099998	0.17
TCRD048	225	226	1570	42500	4.25	0.15700001
TCRD048	226	227	3720	21800	2.1800001	0.37200001
TCRD048	227	228	6000	29600	2.96	0.60000002
TCRD048	228	229	6900	58200	5.8200002	0.69
TCRD048	229	230	956	34000	3.4000001	9.56E-02
TCRD048	230	231	355	31500	3.1500001	3.55E-02
TCRD048	231	232	590	40700	4.0700002	0.059
TCRD048	232	233	243	38900	3.8900001	0.0243
TCRD048	233	234	715	46900	4.6900001	7.15E-02
TCRD048	234	235	2800	69400	6.9400001	0.28
TCRD048	235	236	371	30800	3.0799999	3.71E-02
TCRD048	236	237	192	20400	2.04	1.92E-02
TCRD048	237	238	71	24100	2.4100001	0.0071
TCRD048	238	239	228	38300	3.8299999	0.0228
TCRD048	239	240	2530	51200	5.1199999	0.25299999
TCRD048	240	241	3180	52800	5.2800002	0.31799999
TCRD048	241	242	6280	34300	3.4300001	0.62800002
TCRD048	242	243	1860	50900	5.0900002	0.186
TCRD048	243	244	758	45100	4.5100002	7.58E-02
TCRD048	244	245	1620	45800	4.5799999	0.162
TCRD048	245	246	905	42500	4.25	9.05E-02
TCRD048	246	247	354	34900	3.49	3.54E-02
TCRD048	247	248	576	30000	3	5.76E-02
TCRD048	248	249	121	38100	3.8099999	0.0121
TCRD048	249	250	1300	27400	2.74	0.13
TCRD048	250	251	65	36200	3.6199999	6.50E-03
TCRD048	251	252	423	43200	4.3200002	4.23E-02
TCRD048	252	253	-10	2230	0.223	-0.001
TCRD048	253	254	-10	-10	-0.001	-0.001
TCRD048	254	255	-10	1020	0.102	-0.001
TCRD048	255	256	60	2770	0.27700001	6.00E-03
TCRD048	256	257	-10	1910	0.191	-0.001
TCRD048	257	258	-10	5500	0.55000001	-0.001
TCRD048	258	259	-10	3210	0.32100001	-0.001
TCRD048	259	260	-10	1060	0.106	-0.001
TCRD048	260	261	30	2880	0.28799999	0.003
TCRD048	261	262	-10	1930	0.193	-0.001
TCRD048	262	263	30	4620	0.46200001	0.003
TCRD048	263	264	-10	3580	0.35800001	-0.001

TCRD048	264	265	30	6080	0.60799998	0.003
TCRD048	265	266	1180	45500	4.5500002	0.118
TCRD048	266	267	-10	1490	0.149	-0.001
TCRD048	267	268	40	4050	0.405	4.00E-03
TCRD048	268	269	390	8760	0.87599999	3.90E-02
TCRD048	269	270	-10	4600	0.46000001	-0.001
TCRD048	270	271	10	5290	0.52899998	0.001
TCRD048	271	272	-10	2710	0.271	-0.001
TCRD048	272	273	-10	3730	0.373	-0.001
TCRD048	273	274	30	1020	0.102	0.003
TCRD048	274	275	25	20400	2.04	2.50E-03
TCRD048	275	276	1510	26600	2.6600001	0.15099999
TCRD048	276	277	49	17600	1.76	4.90E-03
TCRD048	277	278	2980	56900	5.6900001	0.29800001
TCRD048	278	279	173	34800	3.48	0.0173
TCRD048	279	280	84	43900	4.3899999	8.40E-03
TCRD048	280	281	104	24200	2.4200001	0.0104
TCRD048	281	282	191	53000	5.3000002	1.91E-02
TCRD048	282	283	2080	15600	1.5599999	0.208
TCRD048	283	284	40	28000	2.8	4.00E-03
TCRD048	284	285	186	35900	3.5899999	0.0186
TCRD048	285	286	128	37700	3.77	0.0128
TCRD048	286	287	2950	37700	3.77	0.29499999
TCRD048	287	288	136	28900	2.8900001	0.0136
TCRD048	288	289	78	28600	2.8599999	7.80E-03
TCRD048	289	290	105	38100	3.8099999	0.0105
TCRD048	290	291	4180	76700	7.6700001	0.41800001
TCRD048	291	292	2810	33600	3.3599999	0.28099999
TCRD048	292	293	123	630	6.30E-02	0.0123
TCRD048	293	294	4140	48500	4.8499999	0.414
TCRD048	294	296	243	12700	1.27	0.0243
TCRD048	296	297	4420	50700	5.0700002	0.442
TCRD049	105	107	12	460	0.046	1.20E-03
TCRD049	107	109	13	120	0.012	0.0013
TCRD049	109	111	11	40	4.00E-03	0.0011
TCRD049	111	113	9	110	0.011	9.00E-04
TCRD049	113	115	6	40	4.00E-03	6.00E-04
TCRD049	115	117	9	50	5.00E-03	9.00E-04
TCRD049	117	119	12	20	2.00E-03	1.20E-03
TCRD049	119	121	13	30	0.003	0.0013
TCRD049	121	123	23	120	0.012	2.30E-03
TCRD049	123	125	15	30	0.003	0.0015
TCRD049	125	127	11	40	4.00E-03	0.0011
TCRD049	127	129	14	10	0.001	0.0014
TCRD049	129	131	9	40	4.00E-03	9.00E-04
TCRD049	131	133	12	20	2.00E-03	1.20E-03
TCRD049	133	135	8	10	0.001	8.00E-04
TCRD049	135	137	6	20	2.00E-03	6.00E-04
TCRD049	137	139	7	20	2.00E-03	7.00E-04
TCRD049	139	141	7	20	2.00E-03	7.00E-04
TCRD049	141	143	9	-10	-0.001	9.00E-04
TCRD049	143	145	29	-10	-0.001	0.0029
TCRD049	145	147	22	-10	-0.001	0.0022
TCRD049	147	149	43	-10	-0.001	4.30E-03
TCRD049	149	151	53	10	0.001	5.30E-03
TCRD049	151	153	42	20	2.00E-03	4.20E-03
TCRD049	153	155	34	10	0.001	0.0034
TCRD049	155	157	14	-10	-0.001	0.0014
TCRD049	157	159	17	10	0.001	0.0017
TCRD049	159	161	6	20	2.00E-03	6.00E-04
TCRD049	161	163	10	30	0.003	0.001
TCRD049	163	165	6	-10	-0.001	6.00E-04
TCRD049	165	167	6	-10	-0.001	6.00E-04

TCRD049	167	169	5	-10	-0.001	5.00E-04
TCRD049	169	171	5	-10	-0.001	5.00E-04
TCRD049	171	173	6	10	0.001	6.00E-04
TCRD049	173	175	5	-10	-0.001	5.00E-04
TCRD049	175	177	5	-10	-0.001	5.00E-04
TCRD049	177	179	4	-10	-0.001	4.00E-04
TCRD049	179	181	5	-10	-0.001	5.00E-04
TCRD049	181	183	4	-10	-0.001	4.00E-04
TCRD049	183	185	4	-10	-0.001	4.00E-04
TCRD049	185	187	4	-10	-0.001	4.00E-04
TCRD049	187	189	5	-10	-0.001	5.00E-04
TCRD049	189	191	4	-10	-0.001	4.00E-04
TCRD049	191	193	6	20	2.00E-03	6.00E-04
TCRD049	193	195	6	-10	-0.001	6.00E-04
TCRD049	195	197	7	10	0.001	7.00E-04
TCRD049	197	199	8	10	0.001	8.00E-04
TCRD049	199	201	6	-10	-0.001	6.00E-04
TCRD049	201	203	5	10	0.001	5.00E-04
TCRD049	203	205	6	10	0.001	6.00E-04
TCRD049	205	207	8	30	0.003	8.00E-04
TCRD049	207	209	7	-10	-0.001	7.00E-04
TCRD049	209	211	6	-10	-0.001	6.00E-04
TCRD049	211	213	6	-10	-0.001	6.00E-04
TCRD049	213	215	5	-10	-0.001	5.00E-04
TCRD049	215	217	5	10	0.001	5.00E-04
TCRD049	217	219	5	-10	-0.001	5.00E-04
TCRD049	219	221	5	10	0.001	5.00E-04
TCRD049	221	223	6	10	0.001	6.00E-04
TCRD049	223	225	6	-10	-0.001	6.00E-04
TCRD049	225	227	5	10	0.001	5.00E-04
TCRD049	227	229	6	20	2.00E-03	6.00E-04
TCRD049	229	231	5	50	5.00E-03	5.00E-04
TCRD049	231	233	6	-10	-0.001	6.00E-04
TCRD049	233	235	7	-10	-0.001	7.00E-04
TCRD049	235	237	7	-10	-0.001	7.00E-04
TCRD049	237	239	9	10	0.001	9.00E-04
TCRD049	239	241	9	20	2.00E-03	9.00E-04
TCRD049	241	243	7	10	0.001	7.00E-04
TCRD049	243	245	9	20	2.00E-03	9.00E-04
TCRD049	245	247	9	10	0.001	9.00E-04
TCRD049	247	249	8	30	0.003	8.00E-04
TCRD049	249	251	7	20	2.00E-03	7.00E-04
TCRD049	251	253	8	40	4.00E-03	8.00E-04
TCRD049	253	255	7	20	2.00E-03	7.00E-04
TCRD049	255	257	11	20	2.00E-03	0.0011
TCRD049	257	259	6	20	2.00E-03	6.00E-04
TCRD049	259	261	8	10	0.001	8.00E-04
TCRD049	261	263	6	20	2.00E-03	6.00E-04
TCRD049	263	265	10	20	2.00E-03	0.001
TCRD049	265	267	8	10	0.001	8.00E-04
TCRD049	267	269	14	20	2.00E-03	0.0014
TCRD050	101	103	203	20	2.00E-03	2.03E-02
TCRD050	103	105	187	20	2.00E-03	0.0187
TCRD050	105	107	206	10	0.001	0.0206
TCRD050	107	109	225	20	2.00E-03	2.25E-02
TCRD050	109	111	256	10	0.001	2.56E-02
TCRD050	111	113	268	-10	-0.001	2.68E-02
TCRD050	113	115	276	-10	-0.001	0.0276
TCRD050	115	117	293	-10	-0.001	2.93E-02
TCRD050	117	119	228	-10	-0.001	0.0228
TCRD050	119	121	314	-10	-0.001	3.14E-02
TCRD050	121	123	258	20	2.00E-03	2.58E-02
TCRD050	123	125	206	30	0.003	0.0206

TCRD050	126	128	141	90	9.00E-03	0.0141
TCRD050	128	130	105	10	0.001	0.0105
TCRD050	130	132	104	60	6.00E-03	0.0104
TCRD050	132	134	109	80	8.00E-03	0.0109
TCRD050	134	136	88	30	0.003	0.0088
TCRD050	136	138	83	110	0.011	8.30E-03
TCRD050	138	140	93	180	1.80E-02	0.0093
TCRD050	140	142	81	160	1.60E-02	8.10E-03
TCRD050	142	144	74	160	1.60E-02	0.0074
TCRD050	144	146	62	180	1.80E-02	6.20E-03
TCRD050	146	148	54	220	0.022	5.40E-03
TCRD050	148	150	58	380	3.80E-02	5.80E-03
TCRD050	150	152	66	300	3.00E-02	0.0066
TCRD050	152	154	45	190	1.90E-02	4.50E-03
TCRD050	154	156	89	270	2.70E-02	8.90E-03
TCRD050	156	158	254	300	3.00E-02	0.0254
TCRD050	158	160	242	320	3.20E-02	0.0242
TCRD050	160	162	170	300	3.00E-02	1.70E-02
TCRD050	162	164	249	260	2.60E-02	2.49E-02
TCRD050	164	166	274	350	0.035	0.0274
TCRD050	166	168	285	740	7.40E-02	0.0285
TCRD050	168	170	279	1110	0.111	2.79E-02
TCRD050	170	172	274	2670	0.26699999	0.0274
TCRD050	172	173	340	1110	0.111	3.40E-02
TCRD050	174	176	391	850	8.50E-02	3.91E-02
TCRD050	176	178	413	510	5.10E-02	4.13E-02
TCRD050	178	180	379	400	4.00E-02	3.79E-02
TCRD050	180	182	438	700	0.07	0.0438
TCRD050	182	184	398	470	4.70E-02	3.98E-02
TCRD050	184	186	395	740	7.40E-02	3.95E-02
TCRD050	186	188	370	640	6.40E-02	0.037
TCRD050	188	190	487	410	4.10E-02	4.87E-02
TCRD050	190	192	393	260	2.60E-02	3.93E-02
TCRD050	192	194	447	250	0.025	0.0447
TCRD050	194	196	433	330	0.033	4.33E-02
TCRD050	196	198	372	230	0.023	0.0372
TCRD050	198	200	426	210	0.021	4.26E-02
TCRD050	200	202	397	100	1.00E-02	3.97E-02
TCRD050	202	204	421	90	9.00E-03	4.21E-02
TCRD050	204	206	458	80	8.00E-03	0.0458
TCRD050	206	208	424	80	8.00E-03	4.24E-02
TCRD050	208	210	386	150	0.015	3.86E-02
TCRD050	210	212	186	230	0.023	0.0186
TCRD050	212	214	11	230	0.023	0.0011
TCRD050	214	216	318	400	4.00E-02	3.18E-02
TCRD050	216	218	466	420	4.20E-02	4.66E-02
TCRD050	218	220	369	506	0.0506	3.69E-02
TCRD050	220	222	492	404	4.04E-02	4.92E-02
TCRD050	222	224	448	442	4.42E-02	4.48E-02
TCRD050	224	226	391	593	5.93E-02	3.91E-02
TCRD050	226	228	369	771	7.71E-02	3.69E-02
TCRD050	228	230	463	355	3.55E-02	4.63E-02
TCRD050	230	232	465	287	0.0287	4.65E-02
TCRD050	232	233	513	178	0.0178	0.0513
TCRD010	103	104	100	92	9.20E-03	1.00E-02
TCRD010	104	105	109	28	2.80E-03	0.0109
TCRD010	105	106	41.299999	65	6.50E-03	4.13E-03
TCRD010	106	107	36.200001	16	0.0016	3.62E-03
TCRD010	107	108	20.799999	21	2.10E-03	0.00208
TCRD010	108	109	99.300003	31	3.10E-03	9.93E-03
TCRD010	109	110	28.6	102	0.0102	2.86E-03
TCRD010	110	111	35.599998	37	0.0037	3.56E-03
TCRD010	111	112	33.099998	21	2.10E-03	3.31E-03

TCRD010	112	113	34.900002	18	0.0018	3.49E-03
TCRD010	113	114	43.799999	14	0.0014	4.38E-03
TCRD010	114	115	44.099998	12	1.20E-03	4.41E-03
TCRD010	115	116	26.700001	17	0.0017	2.67E-03
TCRD010	116	117	40.599998	25	2.50E-03	4.06E-03
TCRD010	117	118	126	34	0.0034	0.0126
TCRD010	118	119	88.300003	31	3.10E-03	8.83E-03
TCRD010	119	120	41.200001	45	4.50E-03	4.12E-03
TCRD010	120	121	35.700001	60	6.00E-03	3.57E-03
TCRD010	121	122	33.799999	248	2.48E-02	3.38E-03
TCRD010	122	123	41.5	31	3.10E-03	4.15E-03
TCRD010	123	124	36.900002	18	0.0018	3.69E-03
TCRD010	124	125	14.5	9	9.00E-04	0.00145
TCRD010	125	126	27.799999	7	7.00E-04	0.00278
TCRD010	126	127	46.700001	151	0.0151	4.67E-03
TCRD010	127	128	46.5	26	0.0026	0.00465
TCRD010	128	129	150	45	4.50E-03	0.015
TCRD010	129	130	105	23	2.30E-03	0.0105
TCRD010	130	131	67.099998	21	2.10E-03	6.71E-03
TCRD010	131	132	14	20	2.00E-03	0.0014
TCRD010	132	133	38.700001	13	0.0013	3.87E-03
TCRD010	133	134	32.200001	46	4.60E-03	3.22E-03
TCRD010	134	135	75.599998	91	9.10E-03	7.56E-03
TCRD010	135	136	234	45	4.50E-03	2.34E-02
TCRD010	136	137	231	40	4.00E-03	0.0231
TCRD010	137	138	265	48	4.80E-03	0.0265
TCRD010	138	139	130	22	0.0022	0.013
TCRD010	139	140	153	16	0.0016	0.0153
TCRD010	140	141	342	21	2.10E-03	3.42E-02
TCRD010	141	142	160	49	4.90E-03	1.60E-02
TCRD010	142	143	178	82	0.0082	0.0178
TCRD010	143	144	241	64	6.40E-03	0.0241
TCRD010	144	145	204	356	3.56E-02	2.04E-02
TCRD010	145	146	135	550	0.055	0.0135
TCRD010	146	147	78.800003	79	7.90E-03	7.88E-03
TCRD010	147	148	97.800003	73	7.30E-03	0.00978
TCRD010	148	149	137	81	8.10E-03	0.0137
TCRD010	149	150	13.7	19	0.0019	0.00137
TCRD010	150	151	28.299999	72	7.20E-03	2.83E-03
TCRD010	151	152	116	191	1.91E-02	0.0116
TCRD010	152	153	84	69	6.90E-03	8.40E-03
TCRD010	153	154	112	122	0.0122	0.0112
TCRD010	154	155	38.400002	138	0.0138	3.84E-03
TCRD010	155	156	48.900002	44	0.0044	0.00489
TCRD010	156	157	40.900002	90	9.00E-03	4.09E-03
TCRD010	157	158	23.200001	48	4.80E-03	0.00232
TCRD010	158	159	24.799999	129	0.0129	0.00248
TCRD010	159	160	95.599998	61	6.10E-03	9.56E-03
TCRD010	160	161	35.400002	121	0.0121	3.54E-03
TCRD010	161	162	14.9	27	2.70E-03	1.49E-03
TCRD010	162	163	43.5	135	0.0135	4.35E-03
TCRD010	163	164	41.5	65	6.50E-03	4.15E-03
TCRD010	164	165	49	83	8.30E-03	4.90E-03
TCRD010	165	166	39.5	159	1.59E-02	3.95E-03
TCRD010	166	167	14.6	66	0.0066	1.46E-03
TCRD010	167	168	42.200001	123	0.0123	0.00422
TCRD010	168	169	113	339	0.0339	0.0113
TCRD010	169	170	131	145	0.0145	0.0131
TCRD010	170	171	115	95	9.50E-03	0.0115
TCRD010	171	172	119	117	0.0117	0.0119
TCRD010	172	173	20.799999	81	8.10E-03	0.00208
TCRD010	173	174	44.400002	114	0.0114	4.44E-03
TCRD010	174	175	12.9	86	8.60E-03	1.29E-03

TCRD010	175	176	14.7	150	0.015	0.00147
TCRD010	176	177	23.299999	125	0.0125	2.33E-03
TCRD010	177	178	34.799999	159	1.59E-02	0.00348
TCRD010	178	179	132	229	0.0229	0.0132
TCRD010	179	180	235	698	6.98E-02	2.35E-02
TCRD010	180	181	168	900	9.00E-02	1.68E-02
TCRD010	181	182	174	408	4.08E-02	0.0174
TCRD010	182	183	109	242	0.0242	0.0109
TCRD010	183	184	261	211	0.0211	0.0261
TCRD010	184	185	51.599998	392	0.0392	5.16E-03
TCRD010	185	186	32.700001	328	0.0328	0.00327
TCRD010	186	187	85.5	313	3.13E-02	8.55E-03
TCRD010	187	188	27.299999	161	1.61E-02	2.73E-03
TCRD010	188	189	6380	3640	0.36399999	0.63800001
TCRD010	189	190	1570	210	0.021	0.15700001
TCRD010	190	191	54.700001	773	7.73E-02	5.47E-03
TCRD010	191	192	41.299999	373	3.73E-02	4.13E-03
TCRD010	192	193	92.599998	352	0.0352	9.26E-03
TCRD010	193	194	4.3000002	17	0.0017	4.30E-04
TCRD010	194	195	31.1	53	5.30E-03	3.11E-03
TCRD010	195	196	26	16	0.0016	0.0026
TCRD010	196	197	31.9	33	0.0033	3.19E-03
TCRD010	197	198	206	32	3.20E-03	0.0206
TCRD010	198	199	38.5	24	2.40E-03	0.00385
TCRD010	199	200	42.799999	59	5.90E-03	0.00428
TCRD010	200	201	58.5	28	2.80E-03	5.85E-03
TCRD010	201	202	56.900002	39	3.90E-03	0.00569
TCRD010	202	203	106	160	1.60E-02	0.0106
TCRD010	203	204	105	1120	0.112	0.0105
TCRD010	204	205	28.6	258	2.58E-02	2.86E-03
TCRD010	205	206	67.300003	386	3.86E-02	6.73E-03
TCRD010	206	207	116	253	0.0253	0.0116
TCRD010	207	208	161	73	7.30E-03	1.61E-02
TCRD010	208	209	146	76	7.60E-03	0.0146
TCRD010	209	210	238	148	0.0148	2.38E-02
TCRD010	210	211	202	160	1.60E-02	2.02E-02
TCRD010	211	212	777	1720	0.17200001	7.77E-02
TCRD010	212	213	499	969	9.69E-02	4.99E-02
TCRD010	213	214	268	1670	0.167	2.68E-02
TCRD010	214	215	185	346	3.46E-02	0.0185
TCRD010	215	216	152	264	0.0264	0.0152
TCRD010	216	218	393	1620	0.162	3.93E-02
TCRD010	218	219	369	3880	0.38800001	3.69E-02
TCRD010	219	220	403	4240	0.42399999	0.0403
TCRD010	220	221	622	11600	1.16	6.22E-02
TCRD010	221	222	980	6580	0.65799999	9.80E-02
TCRD010	222	223	1110	11800	1.1799999	0.111
TCRD010	223	224	3800	15600	1.5599999	0.38
TCRD010	224	225	1850	10400	1.04	0.185
TCRD010	225	226	634	8470	0.847	0.0634
TCRD010	226	227	162	644	6.44E-02	0.0162
TCRD010	227	228	205	1430	0.14300001	2.05E-02
TCRD010	228	229	473	520	5.20E-02	0.0473
TCRD010	229	230	355	45	4.50E-03	3.55E-02
TCRD010	230	231	597	1110	0.111	5.97E-02
TCRD010	231	232	3800	9100	0.91000003	0.38
TCRD010	232	233	1200	31300	3.1300001	0.12
TCRD010	233	234	2860	36100	3.6099999	0.28600001
TCRD010	234	235	1570	30300	3.03	0.15700001
TCRD010	235	236	1810	1940	0.19400001	0.18099999
TCRD010	236	237	2730	4290	0.42899999	0.273
TCRD010	237	238	3550	5540	0.55400002	0.35499999
TCRD010	238	239	1030	18300	1.83	0.103

TCRD010	239	240	447	33400	3.3399999	0.0447
TCRD010	240	241	399	35100	3.51	3.99E-02
TCRD010	241	242	389	9000	0.89999998	3.89E-02
TCRD010	242	243	30900	151000	15.1	3.0899999
TCRD010	243	244	455	37100	3.71	4.55E-02
TCRD010	244	245	98.800003	10900	1.09	9.88E-03
TCRD010	245	246	340	90900	9.0900002	3.40E-02
TCRD010	246	247	127	16800	1.6799999	0.0127
TCRD010	247	248	1290	55800	5.5799999	0.12899999
TCRD010	248	249	8760	43300	4.3299999	0.87599999
TCRD010	249	250	701	42900	4.29	7.01E-02
TCRD010	250	251	396	58600	5.8600001	0.0396
TCRD010	251	252	992	99700	9.9700003	9.92E-02
TCRD010	252	253	103	86900	8.6899996	0.0103
TCRD010	253	254	121	68400	6.8400002	0.0121
TCRD010	254	255	115	48500	4.8499999	0.0115
TCRD010	255	256	158	42000	4.1999998	1.58E-02
TCRD010	256	257	240	35600	3.5599999	0.024
TCRD010	257	258	159	39400	3.9400001	1.59E-02
TCRD010	258	259	110	22200	2.22	0.011
TCRD010	259	260	95.599998	28600	2.8599999	9.56E-03
TCRD010	260	261	436	36500	3.6500001	0.0436
TCRD010	261	262	217	25200	2.52	0.0217
TCRD010	262	263	1520	15700	1.5700001	0.152
TCRD010	263	264	2550	16600	1.66	0.255
TCRD010	264	265	6220	33800	3.3800001	0.62199998
TCRD010	265	266	6580	40800	4.0799999	0.65799999
TCRD010	266	267	5950	42800	4.2800002	0.59500003
TCRD010	267	268	4920	26500	2.6500001	0.49200001
TCRD010	268	269	2380	5340	0.53399998	0.23800001
TCRD010	269	270	746	860	8.60E-02	7.46E-02
TCRD010	270	271	1040	1680	0.168	0.104
TCRD010	271	272	1270	1970	0.197	0.127
TCRD010	272	273	1060	16600	1.66	0.106
TCRD010	273	274	9850	39900	3.99	0.98500001
TCRD010	274	275	366	40800	4.0799999	3.66E-02
TCRD010	275	276	143	36500	3.6500001	0.0143
TCRD010	276	277	1380	41600	4.1599998	0.138
TCRD010	277	278	8650	38600	3.8599999	0.86500001
TCRD010	278	279	3430	51300	5.1300001	0.34299999
TCRD010	279	280	8810	20600	2.0599999	0.88099998
TCRD010	280	281	13100	34500	3.45	1.3099999
TCRD010	281	282	3650	38600	3.8599999	0.36500001
TCRD010	282	283	11300	27000	2.7	1.13
TCRD010	283	284	21100	19500	1.95	2.1099999
TCRD010	284	285	7580	37400	3.74	0.75800002
TCRD010	285	286	1070	37700	3.77	0.107
TCRD010	286	287	451	33700	3.3699999	0.0451
TCRD010	287	288	3200	21000	2.0999999	0.31999999
TCRD010	288	289	3840	29400	2.9400001	0.384
TCRD010	289	290	361	31800	3.1800001	0.0361
TCRD010	290	291	1200	27200	2.72	0.12
TCRD010	291	292	2240	21200	2.1199999	0.22400001
TCRD010	292	293	2020	24100	2.4100001	0.20200001
TCRD010	293	294	336	13200	1.3200001	3.36E-02
TCRD010	294	295	3480	25600	2.5599999	0.34799999
TCRD010	295	296	544	35200	3.52	5.44E-02
TCRD010	296	297	126	21800	2.1800001	0.0126
TCRD010	297	298	186	9950	0.995	0.0186
TCRD010	298	299	410	13300	1.33	4.10E-02
TCRD010	299	300	71.800003	9870	0.98699999	7.18E-03
TCRD010	300	301	79.699997	11100	1.11	7.97E-03
TCRD010	301	302	372	10400	1.04	0.0372

TCRD010	302	303	67	9580	0.958	6.70E-03
TCRD010	303	304	165	15400	1.54	0.0165
TCRD010	304	305	613	9550	0.95499998	6.13E-02
TCRD010	305	306	179	29200	2.9200001	1.79E-02
TCRD010	306	307	159	26700	2.6700001	1.59E-02
TCRD010	307	308	211	20700	2.0699999	0.0211
TCRD010	308	309	229	20200	2.02	0.0229
TCRD010	309	310	64	25700	2.5699999	6.40E-03
TCRD010	310	311	107	19300	1.9299999	0.0107
TCRD010	311	312	6360	25000	2.5	0.63599998
TCRD010	312	314	11800	31700	3.1700001	1.1799999
TCRD010	314	315	1230	34100	3.4100001	0.123
TCRD010	315	316	109	27300	2.73	0.0109
TCRD010	316	317	16800	23400	2.3399999	1.6799999
TCRD010	317	318	7650	29300	2.9300001	0.76499999
TCRD010	318	319	5930	29800	2.98	0.59299999
TCRD010	319	320	8070	14500	1.45	0.80699998
TCRD010	320	322	9890	5940	0.59399998	0.98900002
TCRD010	322	324	5930	3220	0.322	0.59299999
TCRD010	324	326	3300	1500	0.15000001	0.33000001
TCRD010	326	328	2680	1070	0.107	0.26800001
TCRD010	328	330	1920	888	8.88E-02	0.192
TCRD010	330	332	1460	1150	0.115	0.146
TCRD010	332	334	759	633	6.33E-02	7.59E-02
TCRD010	334	336	482	397	3.97E-02	0.0482
TCRD010	336	338	390	118	0.0118	3.90E-02
TCRD010	338	340	1040	631	6.31E-02	0.104
TCRD010	340	342	1050	1000	0.1	0.105
TCRD010	342	344	288	380	3.80E-02	0.0288
TCRD010	344	346	226	21	2.10E-03	2.26E-02
TCRD010	346	348	212	78	7.80E-03	2.12E-02
TCRD010	348	350	296	217	0.0217	0.0296
TCRD010	350	352	7460	9400	0.94	0.74599999
TCRD010	352	354	1140	1300	0.13	0.114
TCRD010	354	356	995	803	8.03E-02	0.0995
TCRD010	356	358	7180	5040	0.50400001	0.71799999
TCRD010	358	360	2450	966	9.66E-02	0.245
TCRD010	360	362	6400	2500	0.25	0.63999999
TCRD010	362	364	3040	2540	0.25400001	0.30399999
TCRD010	364	366	86.400002	2120	0.212	8.64E-03
TCRD010	366	367	164	1980	0.198	0.0164
TCRD010	367	368	114	5570	0.55699998	0.0114
TCRD010	368	369	155	8240	0.824	0.0155
TCRD010	369	370	224	1760	0.176	2.24E-02
TCRD010	370	371	139	5730	0.57300001	0.0139
TCRD010	371	372	96.599998	3030	0.303	0.00966
TCRD010	372	373	4180	2450	0.245	0.41800001
TCRD010	373	374	72.5	1640	0.164	7.25E-03
TCRD010	374	375	42.900002	5280	0.528	4.29E-03
TCRD010	375	376	151	2350	0.235	0.0151
TCRD010	376	377	33.799999	1920	0.192	3.38E-03
TCRD010	377	378	65.099998	1580	0.15800001	6.51E-03
TCRD010	378	379	64.599998	2240	0.22400001	6.46E-03
TCRD010	379	380	128	4930	0.493	0.0128
TCRD010	380	381	307	2840	0.28400001	0.0307
TCRD010	381	382	2190	8620	0.86199999	0.219
TCRD010	382	383	286	1030	0.103	0.0286
TCRD010	383	384	269	1590	0.15899999	2.69E-02
TCRD010	384	385	28.9	74	0.0074	2.89E-03
TCRD010	385	386	41.599998	144	0.0144	0.00416
TCRD010	386	387	124	253	0.0253	0.0124
TCRD010	387	388	275	3850	0.38499999	0.0275
TCRD010	388	390	38	545	5.45E-02	3.80E-03

TCRD010	390	392	24	54	5.40E-03	2.40E-03
TCRD010	392	394	21	56	5.60E-03	2.10E-03
TCRD010	394	396	13	29	0.0029	0.0013
TCRD010	396	398	27.9	244	0.0244	2.79E-03
TCRD010	398	400	2140	18900	1.89	0.214
TCRD010	400	402	121	1770	0.177	0.0121
TCRD010	402	404	99.599998	503	5.03E-02	9.96E-03
TCRD010	404	406	63.599998	45	4.50E-03	0.00636
TCRD010	406	408	104	66	0.0066	0.0104
TCRD010	408	410	44.900002	23	2.30E-03	4.49E-03
TCRD010	410	412	37.799999	33	0.0033	3.78E-03
TCRD010	412	414	29.299999	10	0.001	0.00293
TCRD010	414	416	24.1	11	0.0011	0.00241
TCRD010	416	418	20.9	-10	-0.001	2.09E-03
TCRD010	418	420	18.799999	14	0.0014	1.88E-03
TCRD010	420	422	14.9	-10	-0.001	1.49E-03
TCRD010	422	424	15.3	13	0.0013	0.00153
TCRD010	424	426	21.200001	-10	-0.001	2.12E-03
TCRD010	426	428	27.1	21	2.10E-03	2.71E-03
TCRD010	428	430	21.700001	10	0.001	0.00217
TCRD010	430	432	22.4	-10	-0.001	2.24E-03
TCRD010	432	434	21.200001	-10	-0.001	2.12E-03
TCRD010	434	436	19.4	17	0.0017	0.00194
TCRD010	436	438	21.700001	-10	-0.001	0.00217
TCRD010	438	440	39.799999	117	0.0117	0.00398
TCRD010	440	442	37.099998	14	0.0014	3.71E-03
TCRD010	442	444	479	5960	0.59600002	4.79E-02
TCRD010	444	446	246	251	0.0251	2.46E-02
TCRD010	446	448	1880	21200	2.1199999	0.18799999
TCRD010	448	450	1090	1590	0.15899999	0.109
TCRD012	100	102	767	3460	0.34599999	7.67E-02
TCRD012	102	104	363	1960	0.19599999	0.0363
TCRD012	104	106	187	270	2.70E-02	0.0187
TCRD012	106	108	210	1310	0.131	0.021
TCRD012	108	110	847	1160	0.116	8.47E-02
TCRD012	110	112	988	2270	0.227	9.88E-02
TCRD012	112	114	854	3890	0.389	0.0854
TCRD012	114	116	889	3100	0.31	0.0889
TCRD012	116	118	472	3160	0.31600001	4.72E-02
TCRD012	118	120	1060	10800	1.08	0.106
TCRD012	120	122	1810	3040	0.30399999	0.18099999
TCRD012	122	124	399	893	8.93E-02	3.99E-02
TCRD012	124	126	1290	10800	1.08	0.12899999
TCRD012	126	127	2020	6130	0.61299998	0.20200001
TCRD012	127	128	3140	6980	0.69800001	0.31400001
TCRD012	128	129	636	5290	0.52899998	6.36E-02
TCRD012	129	130	660	2100	0.20999999	0.066
TCRD012	130	131	1470	3150	0.315	0.147
TCRD012	131	132	1460	16900	1.6900001	0.146
TCRD012	132	133	476	3540	0.354	4.76E-02
TCRD012	133	134	1650	7360	0.736	0.16500001
TCRD012	134	135	1160	5600	0.56	0.116
TCRD012	135	136	2230	3290	0.329	0.223
TCRD012	136	137	400	1430	0.14300001	4.00E-02
TCRD012	137	138	221	2570	0.257	0.0221
TCRD012	138	139	278	1540	0.154	2.78E-02
TCRD012	139	140	4740	9360	0.93599999	0.47400001
TCRD012	140	141	281	3300	0.33000001	2.81E-02
TCRD012	141	142	11500	9790	0.97899997	1.15
TCRD012	142	143	4960	5970	0.597	0.49599999
TCRD012	143	144	205	6650	0.66500002	2.05E-02
TCRD012	144	145	780	8060	0.80599999	7.80E-02
TCRD012	145	146	542	6820	0.68199998	5.42E-02

TCRD012	146	147	613	6290	0.62900001	6.13E-02
TCRD012	147	148	751	16000	1.6	7.51E-02
TCRD012	148	149	528	5050	0.505	0.0528
TCRD012	149	150	502	7820	0.78200001	0.0502
TCRD012	150	151	335	2600	0.25999999	3.35E-02
TCRD012	151	152	212	2780	0.278	2.12E-02
TCRD012	152	153	258	1440	0.14399999	2.58E-02
TCRD012	153	154	170	1110	0.111	1.70E-02
TCRD012	154	155	264	1030	0.103	0.0264
TCRD012	155	156	277	2620	0.26199999	0.0277
TCRD012	156	157	1840	4330	0.433	0.184
TCRD012	157	158	254	4630	0.463	0.0254
TCRD012	158	159	1880	8170	0.81699997	0.18799999
TCRD012	159	160	812	13400	1.34	8.12E-02
TCRD012	160	161	426	3510	0.35100001	4.26E-02
TCRD012	161	162	169	3960	0.396	1.69E-02
TCRD012	162	163	2520	10200	1.02	0.252
TCRD012	163	164	623	20200	2.02	0.0623
TCRD012	164	165	131	8240	0.824	0.0131
TCRD012	165	166	122	840	8.40E-02	0.0122
TCRD012	166	167	123	1080	0.108	0.0123
TCRD012	167	168	225	1480	0.148	2.25E-02
TCRD012	168	169	97	130	0.013	9.70E-03
TCRD012	169	170	133	1390	0.139	0.0133
TCRD012	170	171	109	130	0.013	0.0109
TCRD012	171	172	67	360	3.60E-02	6.70E-03
TCRD012	172	173	70	1950	0.19499999	7.00E-03
TCRD012	173	174	660	7960	0.796	0.066
TCRD012	174	175	3180	10900	1.09	0.31799999
TCRD012	175	176	162	15000	1.5	0.0162
TCRD012	176	177	1710	15700	1.5700001	0.171
TCRD012	177	178	575	9550	0.95499998	5.75E-02
TCRD012	178	179	598	2860	0.28600001	5.98E-02
TCRD012	179	180	109	11700	1.17	0.0109
TCRD012	180	181	85	12400	1.24	8.50E-03
TCRD012	181	182	106	15200	1.52	0.0106
TCRD012	182	183	2250	8530	0.85299999	0.22499999
TCRD012	183	184	975	3340	0.33399999	9.75E-02
TCRD012	184	185	464	3550	0.35499999	4.64E-02
TCRD012	185	186	129	690	6.90E-02	0.0129
TCRD012	186	187	178	2310	0.23100001	0.0178
TCRD012	187	188	104	290	2.90E-02	0.0104
TCRD012	188	189	148	590	0.059	0.0148
TCRD012	189	190	241	600	6.00E-02	0.0241
TCRD012	190	191	118	150	0.015	0.0118
TCRD012	191	192	130	1130	0.113	0.013
TCRD012	192	193	-0.5	-5	-5.00E-04	-5.00E-05
TCRD012	193	194	168	2160	0.21600001	1.68E-02
TCRD012	194	195	482	3760	0.37599999	0.0482
TCRD012	195	196	460	2950	0.29499999	0.046
TCRD012	196	197	325	7410	0.741	3.25E-02
TCRD012	197	198	644	5610	0.56099999	6.44E-02
TCRD012	198	199	850	14900	1.49	8.50E-02
TCRD012	199	200	1500	10300	1.03	0.15000001
TCRD012	200	201	459	6920	0.69199997	4.59E-02
TCRD012	201	202	135	980	9.80E-02	0.0135
TCRD012	202	204	237	1580	0.15800001	2.37E-02
TCRD012	204	206	270	1000	0.1	2.70E-02
TCRD012	206	208	234	1850	0.185	2.34E-02
TCRD012	208	210	320	1980	0.198	3.20E-02
TCRD012	210	212	208	840	8.40E-02	0.0208
TCRD012	212	214	304	2000	0.2	3.04E-02
TCRD012	214	216	146	490	4.90E-02	0.0146

TCRD012	216	218	195	370	0.037	0.0195
TCRD012	218	220	123	280	2.80E-02	0.0123
TCRD012	220	222	139	280	2.80E-02	0.0139
TCRD012	222	223	193	600	6.00E-02	1.93E-02
TCRD012	224	225	127	670	6.70E-02	0.0127
TCRD012	225	227	133	2350	0.235	0.0133
TCRD012	227	229	111	2920	0.292	0.0111
TCRD012	230	232	67	3300	0.33000001	6.70E-03
TCRD012	232	233	30	1280	0.12800001	0.003
TCRD012	233	234	121	3150	0.315	0.0121
TCRD012	234	235	83	3350	0.33500001	8.30E-03
TCRD012	235	236	44	3220	0.322	0.0044
TCRD012	236	237	177	19300	1.9299999	0.0177
TCRD012	237	238	53	3750	0.375	5.30E-03
TCRD012	238	239	59	3350	0.33500001	5.90E-03
TCRD012	239	240	73	2540	0.25400001	7.30E-03
TCRD012	240	241	85	1570	0.15700001	8.50E-03
TCRD012	241	242	86	1420	0.142	8.60E-03
TCRD012	242	243	162	3360	0.336	0.0162
TCRD012	243	244	136	2180	0.21799999	0.0136
TCRD012	244	245	71	4440	0.44400001	0.0071
TCRD012	245	246	58	3760	0.37599999	5.80E-03
TCRD012	246	247	1980	9660	0.96600002	0.198
TCRD012	247	248	256	4260	0.426	2.56E-02
TCRD012	248	249	296	3470	0.347	0.0296
TCRD012	249	250	336	6470	0.64700001	3.36E-02
TCRD012	250	252	620	1250	0.125	6.20E-02
TCRD012	252	254	352	50	5.00E-03	0.0352
TCRD012	254	256	231	50	5.00E-03	0.0231
TCRD012	256	258	57	40	4.00E-03	5.70E-03
TCRD012	258	260	29	-5	-5.00E-04	0.0029
TCRD012	260	262	31	-5	-5.00E-04	3.10E-03
TCRD012	262	264	31	-5	-5.00E-04	3.10E-03
TCRD012	264	266	32	-5	-5.00E-04	3.20E-03
TCRD012	266	268	38	20	2.00E-03	3.80E-03
TCRD012	268	270	45	10	0.001	4.50E-03
TCRD012	270	272	51	40	4.00E-03	5.10E-03
TCRD012	272	274	47	20	2.00E-03	4.70E-03
TCRD012	274	276	46	-5	-5.00E-04	4.60E-03
TCRD012	276	278	51	10	0.001	5.10E-03
TCRD012	278	280	49	-5	-5.00E-04	4.90E-03
TCRD012	280	282	52	20	2.00E-03	0.0052
TCRD012	282	284	49	20	2.00E-03	4.90E-03
TCRD012	284	286	54	-5	-5.00E-04	5.40E-03
TCRD012	286	288	45	-5	-5.00E-04	4.50E-03
TCRD012	288	290	46	-5	-5.00E-04	4.60E-03
TCRD012	290	292	47	-5	-5.00E-04	4.70E-03
TCRD012	292	294	47	-5	-5.00E-04	4.70E-03
TCRD012	294	296	47	-5	-5.00E-04	4.70E-03
TCRD012	296	298	45	-5	-5.00E-04	4.50E-03
TCRD012	298	300	47	10	0.001	4.70E-03
TCRD012	300	302	46	-5	-5.00E-04	4.60E-03
TCRD012	302	304	12	30	0.003	1.20E-03
TCRD012	304	306	6	20	2.00E-03	6.00E-04
TCRD012	306	308	7	20	2.00E-03	7.00E-04
TCRD019	130	131	529	2940	0.294	5.29E-02
TCRD019	131	132	990	16400	1.64	9.90E-02
TCRD019	132	133	218	7770	0.77700001	0.0218
TCRD019	136	137	251	3260	0.32600001	0.0251
TCRD019	137	138	263	13600	1.36	0.0263
TCRD019	138	139	546	12800	1.28	0.0546
TCRD019	139	140	1140	6480	0.648	0.114
TCRD019	140	141	571	11000	1.1	5.71E-02

TCRD019	141	142	719	15700	1.5700001	7.19E-02
TCRD019	142	143	3230	12100	1.21	0.32300001
TCRD019	143	144	1210	36700	3.6700001	0.121
TCRD019	144	145	1930	9790	0.97899997	0.193
TCRD019	145	146	359	3150	0.315	0.0359
TCRD019	148	149	504	4860	0.486	0.0504
TCRD019	149	150	438	3640	0.36399999	0.0438
TCRD019	151	152	868	4810	0.48100001	8.68E-02
TCRD019	152	153	642	3760	0.37599999	6.42E-02
TCRD019	153	154	1250	6160	0.616	0.125
TCRD019	157	158	644	4480	0.44800001	6.44E-02
TCRD019	158	159	820	5260	0.52600002	8.20E-02
TCRD019	160	161	704	3520	0.352	0.0704
TCRD036	76	78	195	2360	0.236	0.0195
TCRD036	78	80	571	3750	0.375	5.71E-02
TCRD036	80	81	541	2900	0.28999999	5.41E-02
TCRD036	82	84	606	3280	0.32800001	6.06E-02
TCRD036	85	87	263	1980	0.198	0.0263
TCRD036	87	89	166	1860	0.186	0.0166
TCRD036	89	91	154	1710	0.171	0.0154
TCRD036	91	93	600	2530	0.25299999	6.00E-02
TCRD036	93	95	965	2900	0.28999999	9.65E-02
TCRD036	95	96	1020	2790	0.27900001	0.102
TCRD036	97	99	2390	5500	0.55000001	0.23899999
TCRD036	100	101	1070	3380	0.338	0.107
TCRD036	103	105	253	1150	0.115	0.0253
TCRD036	105	107	504	2180	0.21799999	0.0504
TCRD036	108	110	569	2500	0.25	5.69E-02
TCRD036	112	114	105	1060	0.106	0.0105
TCRD036	115	117	441	2390	0.23899999	4.41E-02
TCRD036	117	119	558	2740	0.27399999	5.58E-02
TCRD036	121	123	96	360	3.60E-02	9.60E-03
TCRD036	123	125	27	40	4.00E-03	2.70E-03
TCRD036	125	127	23	50	5.00E-03	2.30E-03
TCRD036	127	128	24	60	6.00E-03	2.40E-03
TCRD024	88	90	418	1060	0.106	0.0418
TCRD024	91	93	229	450	4.50E-02	0.0229
TCRD024	93	95	295	840	8.40E-02	0.0295
TCRD024	95	97	208	440	0.044	0.0208
TCRD024	97	99	140	140	0.014	0.014
TCRD024	99	101	431	250	0.025	4.31E-02
TCRD024	101	103	138	200	0.02	0.0138
TCRD024	103	105	160	420	4.20E-02	1.60E-02
TCRD024	105	107	488	760	7.60E-02	4.88E-02
TCRD024	107	109	121	190	1.90E-02	0.0121
TCRD024	109	111	158	480	0.048	1.58E-02
TCRD024	111	113	365	1400	0.14	3.65E-02
TCRD024	113	115	30	110	0.011	0.003
TCRD024	115	117	237	640	6.40E-02	2.37E-02
TCRD024	117	119	351	760	7.60E-02	3.51E-02
TCRD024	119	121	57	40	4.00E-03	5.70E-03
TCRD024	121	123	363	420	4.20E-02	0.0363
TCRD024	123	125	208	720	7.20E-02	0.0208
TCRD024	125	127	52	240	0.024	0.0052
TCRD024	127	129	587	450	4.50E-02	5.87E-02
TCRD024	129	131	134	390	3.90E-02	0.0134
TCRD024	131	133	98	340	3.40E-02	9.80E-03
TCRD024	133	136	296	770	0.077	0.0296
TCRD024	139	142	328	820	8.20E-02	0.0328
TCRD024	143	145	833	3380	0.338	8.33E-02
TCRD024	145	147	500	420	4.20E-02	5.00E-02
TCRD024	147	149	406	1970	0.197	4.06E-02
TCRD024	149	151	360	830	8.30E-02	3.60E-02

TCRD024	151	153	82	230	0.023	0.0082
TCRD024	153	155	284	270	2.70E-02	0.0284
TCRD024	155	157	233	200	0.02	0.0233
TCRD024	157	159	682	580	5.80E-02	0.0682
TCRD024	159	161	497	830	8.30E-02	4.97E-02
TCRD024	161	163	245	650	6.50E-02	2.45E-02
TCRD024	163	165	180	1660	0.16599999	1.80E-02
TCRD024	165	167	289	1050	0.105	2.89E-02
TCRD024	167	169	299	1560	0.156	2.99E-02
TCRD024	169	171	984	2720	0.27200001	9.84E-02
TCRD024	171	173	1630	4240	0.42399999	0.163
TCRD024	175	177	965	580	5.80E-02	9.65E-02
TCRD024	177	179	621	350	0.035	6.21E-02
TCRD024	179	181	832	380	3.80E-02	0.0832
TCRD024	182	184	927	1210	0.121	9.27E-02
TCRD024	184	186	1570	2980	0.29800001	0.15700001
TCRD024	186	188	1510	4420	0.442	0.15099999
TCRD024	188	189	556	870	8.70E-02	5.56E-02
TCRD024	189	190	813	1190	0.119	8.13E-02
TCRD024	190	191	990	180	1.80E-02	9.90E-02
TCRD024	191	192	858	410	4.10E-02	0.0858
TCRD024	192	193	2420	290	2.90E-02	0.242
TCRD024	197	198	4000	2360	0.236	0.40000001
TCRD024	198	199	2390	1010	0.101	0.23899999
TCRD024	199	200	1440	710	7.10E-02	0.14399999
TCRD024	200	201	727	2140	0.214	7.27E-02
TCRD024	201	202	530	3930	0.39300001	5.30E-02
TCRD024	202	203	379	4370	0.43700001	3.79E-02
TCRD024	203	204	1210	13100	1.3099999	0.121
TCRD024	204	205	454	4260	0.426	4.54E-02
TCRD024	205	206	151	2630	0.26300001	0.0151
TCRD024	206	207	221	9080	0.90799999	0.0221
TCRD024	207	208	212	2390	0.23899999	2.12E-02
TCRD024	208	209	202	9110	0.91100001	2.02E-02
TCRD024	209	210	256	4110	0.41100001	2.56E-02
TCRD024	210	211	193	9110	0.91100001	1.93E-02
TCRD024	211	212	240	4870	0.48699999	0.024
TCRD024	212	213	267	1710	0.171	2.67E-02
TCRD024	213	214	246	750	7.50E-02	2.46E-02
TCRD024	214	215	167	4260	0.426	0.0167
TCRD024	215	216	147	1790	0.17900001	0.0147
TCRD024	216	217	181	230	0.023	1.81E-02
TCRD024	217	218	143	290	2.90E-02	0.0143
TCRD024	218	219	136	170	1.70E-02	0.0136
TCRD024	219	220	153	230	0.023	0.0153
TCRD024	221	222	145	300	3.00E-02	0.0145
TCRD024	222	223	175	230	0.023	0.0175
TCRD024	223	224	154	1380	0.138	0.0154
TCRD024	224	225	146	930	9.30E-02	0.0146
TCRD024	225	226	231	2100	0.20999999	0.0231
TCRD024	226	227	127	1670	0.167	0.0127
TCRD024	227	228	59	680	6.80E-02	5.90E-03
TCRD024	228	229	127	1340	0.134	0.0127
TCRD024	229	230	58	560	5.60E-02	5.80E-03
TCRD024	230	231	78	520	5.20E-02	7.80E-03
TCRD024	231	232	74	190	1.90E-02	0.0074
TCRD024	232	233	49	250	0.025	4.90E-03
TCRD024	233	234	3240	2280	0.228	0.324
TCRD024	234	235	35	1780	0.178	3.50E-03
TCRD024	235	236	98	520	5.20E-02	9.80E-03
TCRD024	236	237	132	1560	0.156	0.0132
TCRD024	237	238	66	480	0.048	0.0066
TCRD024	238	239	80	320	3.20E-02	8.00E-03

TCRD024	239	240	104	350	0.035	0.0104
TCRD024	240	241	104	1550	0.155	0.0104
TCRD024	241	242	70	2310	0.23100001	7.00E-03
TCRD024	242	243	81	1260	0.126	8.10E-03
TCRD024	243	244	139	280	2.80E-02	0.0139
TCRD024	244	245	154	6470	0.64700001	0.0154
TCRD024	245	246	89	2320	0.23199999	8.90E-03
TCRD024	246	247	191	2400	0.23999999	1.91E-02
TCRD024	247	248	167	5700	0.56999999	0.0167
TCRD024	248	249	233	3640	0.36399999	0.0233
TCRD024	249	250	304	3430	0.34299999	3.04E-02
TCRD024	250	251	155	1530	0.153	0.0155
TCRD024	251	252	165	1660	0.16599999	0.0165
TCRD024	252	253	171	1420	0.142	1.71E-02
TCRD024	253	254	138	1220	0.122	0.0138
TCRD024	254	255	177	4070	0.40700001	0.0177
TCRD024	255	256	157	1950	0.19499999	1.57E-02
TCRD024	256	257	191	7080	0.708	1.91E-02
TCRD024	257	258	191	3780	0.37799999	1.91E-02
TCRD024	258	259	183	2600	0.25999999	1.83E-02
TCRD024	259	260	190	2580	0.25799999	1.90E-02
TCRD024	260	261	180	2290	0.229	1.80E-02
TCRD024	261	262	145	2770	0.27700001	0.0145
TCRD024	262	263	89	5050	0.505	8.90E-03
TCRD024	263	264	82	2220	0.222	0.0082
TCRD024	264	265	98	9310	0.93099999	9.80E-03
TCRD024	265	266	103	2870	0.287	0.0103
TCRD024	266	267	311	3150	0.315	3.11E-02
TCRD024	267	268	153	6130	0.61299998	0.0153
TCRD024	268	269	145	5250	0.52499998	0.0145
TCRD024	269	270	310	6820	0.68199998	3.10E-02
TCRD024	270	271	416	6970	0.69700003	0.0416
TCRD024	271	272	393	7890	0.78899997	3.93E-02
TCRD024	272	273	474	6010	0.60100001	4.74E-02
TCRD024	273	274	337	2210	0.221	0.0337
TCRD024	274	275	272	2580	0.25799999	0.0272
TCRD024	275	276	279	1100	0.11	2.79E-02
TCRD024	276	277	274	1020	0.102	0.0274
TCRD024	277	278	256	940	9.40E-02	2.56E-02
TCRD024	278	279	183	240	0.024	1.83E-02
TCRD024	279	280	291	330	0.033	2.91E-02
TCRD024	280	281	276	640	6.40E-02	0.0276
TCRD024	281	282	187	1270	0.127	0.0187
TCRD024	282	283	322	2450	0.245	3.22E-02
TCRD024	283	284	223	3680	0.368	2.23E-02
TCRD024	284	285	485	10800	1.08	4.85E-02
TCRD024	285	286	1040	6910	0.69099998	0.104
TCRD024	286	287	298	1690	0.169	0.0298
TCRD024	287	288	287	3920	0.39199999	0.0287
TCRD024	288	289	423	5290	0.52899998	4.23E-02
TCRD024	289	290	521	3950	0.39500001	5.21E-02
TCRD024	290	291	559	6180	0.61799997	0.0559
TCRD024	291	292	983	41400	4.1399999	9.83E-02
TCRD024	292	293	510	13600	1.36	5.10E-02
TCRD024	293	294	223	11800	1.1799999	2.23E-02
TCRD024	294	295	1390	12100	1.21	0.139
TCRD024	295	296	1090	16200	1.62	0.109
TCRD024	296	297	146	9000	0.89999998	0.0146
TCRD024	297	298	521	7350	0.73500001	5.21E-02
TCRD024	298	299	171	6540	0.65399998	1.71E-02
TCRD024	299	300	218	6730	0.67299998	0.0218
TCRD024	300	301	312	4820	0.48199999	3.12E-02
TCRD024	301	302	245	9520	0.95200002	2.45E-02

TCRD024	302	303	1040	12400	1.24	0.104
TCRD024	303	304	838	7160	0.71600002	8.38E-02
TCRD024	304	305	487	2650	0.26499999	4.87E-02
TCRD024	305	306	482	2770	0.27700001	0.0482
TCRD024	306	307	755	5760	0.57599998	7.55E-02
TCRD024	307	308	254	10400	1.04	0.0254
TCRD024	308	309	3040	18100	1.8099999	0.30399999
TCRD024	309	310	1750	29500	2.95	0.175
TCRD024	310	311	5280	370	0.037	0.528
TCRD024	311	312	5560	590	0.059	0.55599999
TCRD024	312	313	1	20	2.00E-03	1.00E-04
TCRD024	313	314	1090	90	9.00E-03	0.109
TCRD024	314	315	542	20	2.00E-03	5.42E-02
TCRD024	315	316	396	90	9.00E-03	0.0396
TCRD024	316	318	168	30	0.003	1.68E-02
TCRD024	318	320	85	-10	-0.001	8.50E-03
TCRD024	320	322	74	-10	-0.001	0.0074
TCRD024	322	324	106	20	2.00E-03	0.0106
TCRD024	324	326	70	10	0.001	7.00E-03
TCRD024	326	328	83	120	0.012	8.30E-03
TCRD024	328	330	59	140	0.014	5.90E-03
TCRD024	330	332	28	30	0.003	2.80E-03
TCRD024	332	334	18	-10	-0.001	0.0018
TCRD024	334	336	48	500	5.00E-02	4.80E-03
TCRD024	336	338	11	20	2.00E-03	0.0011
TCRD024	338	340	12	10	0.001	1.20E-03
TCRD024	340	342	12	20	2.00E-03	1.20E-03
TCRD024	342	344	10	10	0.001	0.001
TCRD024	344	346	11	10	0.001	0.0011
TCRD024	346	348	11	-10	-0.001	0.0011
TCRD024	348	350	15	-10	-0.001	0.0015
TFRC105	2	6	72	400	4.00E-02	7.20E-03
TFRC105	6	10	91	250	0.025	9.10E-03
TFRC105	10	14	10	40	4.00E-03	0.001
TFRC105	14	18	4	30	0.003	4.00E-04
TFRC105	18	22	-1	10	0.001	-1.00E-04
TFRC105	22	26	2	-10	-0.001	2.00E-04
TFRC105	26	30	-1	10	0.001	-1.00E-04
TFRC105	30	34	197	260	2.60E-02	0.0197
TFRC105	34	38	34	170	1.70E-02	0.0034
TFRC105	38	42	28	150	0.015	2.80E-03
TFRC105	42	46	-1	-10	-0.001	-1.00E-04
TFRC105	46	50	-1	10	0.001	-1.00E-04
TFRC105	50	54	4	-10	-0.001	4.00E-04
TFRC105	54	58	-1	-10	-0.001	-1.00E-04
TFRC105	58	62	59	400	4.00E-02	5.90E-03
TFRC105	62	66	9	-10	-0.001	9.00E-04
TFRC105	66	70	9	-10	-0.001	9.00E-04
TFRC105	70	74	3	-10	-0.001	3.00E-04
TFRC105	74	78	10	-10	-0.001	0.001
TFRC105	78	82	13	-10	-0.001	0.0013
TFRC105	82	86	2	-10	-0.001	2.00E-04
TFRC105	86	90	5	-10	-0.001	5.00E-04
TFRC105	90	94	6	-10	-0.001	6.00E-04
TFRC105	94	98	2	-10	-0.001	2.00E-04
TFRC105	98	102	10	-10	-0.001	0.001
TFRC105	102	106	8	-10	-0.001	8.00E-04
TFRC105	106	110	2	-10	-0.001	2.00E-04
TFRC105	110	114	13	-10	-0.001	0.0013
TFRC105	114	118	10	20	2.00E-03	0.001
TFRC105	118	122	7	10	0.001	7.00E-04
TFRC105	122	126	770	4890	0.48899999	0.077
TFRC105	126	130	1620	8710	0.87099999	0.162

TFRC105	130	134	315	190	1.90E-02	3.15E-02
TFRC105	134	138	57	900	9.00E-02	5.70E-03
TFRC105	138	142	48	300	3.00E-02	4.80E-03
TFRC105	142	146	61	100	1.00E-02	6.10E-03
TFRC105	146	150	563	3350	0.33500001	5.63E-02
TFRC106	0	4	349	730	7.30E-02	3.49E-02
TFRC106	4	8	171	450	4.50E-02	1.71E-02
TFRC106	8	12	131	320	3.20E-02	0.0131
TFRC106	12	16	122	420	4.20E-02	0.0122
TFRC106	16	20	120	540	5.40E-02	0.012
TFRC106	20	24	63	340	3.40E-02	0.0063
TFRC106	24	28	23	330	0.033	2.30E-03
TFRC106	28	32	16	70	7.00E-03	0.0016
TFRC106	32	36	21	30	0.003	2.10E-03
TFRC106	36	40	15	90	9.00E-03	0.0015
TFRC106	40	44	19	-10	-0.001	0.0019
TFRC106	44	48	13	-10	-0.001	0.0013
TFRC106	48	52	12	130	0.013	1.20E-03
TFRC106	52	56	12	160	1.60E-02	1.20E-03
TFRC106	56	60	10	50	5.00E-03	0.001
TFRC106	60	64	16	30	0.003	0.0016
TFRC106	64	68	23	50	5.00E-03	2.30E-03
TFRC106	68	72	18	30	0.003	0.0018
TFRC106	72	76	21	50	5.00E-03	2.10E-03
TFRC106	76	80	21	30	0.003	2.10E-03
TFRC106	80	84	7	20	2.00E-03	7.00E-04
TFRC106	84	88	10	30	0.003	0.001
TFRC106	88	92	13	40	4.00E-03	0.0013
TFRC106	92	96	10	40	4.00E-03	0.001
TFRC106	96	100	15	70	7.00E-03	0.0015
TFRC106	100	104	11	50	5.00E-03	0.0011
TFRC106	104	108	21	70	7.00E-03	2.10E-03
TFRC106	108	112	15	70	7.00E-03	0.0015
TFRC106	112	116	27	90	9.00E-03	2.70E-03
TFRC106	116	120	23	80	8.00E-03	2.30E-03
TFRC106	120	124	20	80	8.00E-03	2.00E-03
TFRC106	124	128	16	70	7.00E-03	0.0016
TFRC106	128	132	21	120	0.012	2.10E-03
TFRC106	132	136	19	80	8.00E-03	0.0019
TFRC106	136	140	12	110	0.011	1.20E-03
TFRC107	0	4	176	620	6.20E-02	0.0176
TFRC107	4	8	67	330	0.033	6.70E-03
TFRC107	8	12	30	230	0.023	0.003
TFRC107	12	16	26	310	3.10E-02	0.0026
TFRC107	16	20	30	1320	0.132	0.003
TFRC107	20	24	28	810	0.081	2.80E-03
TFRC107	24	28	27	350	0.035	2.70E-03
TFRC107	28	32	23	610	6.10E-02	2.30E-03
TFRC107	32	36	15	710	7.10E-02	0.0015
TFRC107	36	40	17	1610	0.161	0.0017
TFRC107	40	44	31	3040	0.30399999	3.10E-03
TFRC107	50	54	33	990	9.90E-02	0.0033
TFRC107	54	58	35	900	9.00E-02	3.50E-03
TFRC107	58	62	54	1800	0.18000001	5.40E-03
TFRC107	62	66	54	2510	0.25099999	5.40E-03
TFRC107	66	70	39	2780	0.278	3.90E-03
TFRC107	70	75	29	1900	0.19	0.0029
TFRC108	0	4	861	1150	0.115	8.61E-02
TFRC108	4	8	1350	740	7.40E-02	0.13500001
TFRC108	8	12	1370	980	9.80E-02	0.13699999
TFRC108	12	13	1690	1420	0.142	0.169
TFRC108	13	14	1480	1510	0.15099999	0.148
TFRC108	14	15	654	2190	0.219	6.54E-02

TFRC108	15	16	1220	3180	0.31799999	0.122
TFRC108	16	17	1830	8480	0.84799999	0.183
TFRC108	17	18	2190	20200	2.02	0.219
TFRC108	18	19	1150	9690	0.96899998	0.115
TFRC108	19	20	4250	21800	2.1800001	0.42500001
TFRC108	20	21	1480	2830	0.28299999	0.148
TFRC108	21	22	5260	69000	6.9000001	0.52600002
TFRC108	22	23	13500	128000	12.8	1.35
TFRC108	23	24	1990	4910	0.491	0.199
TFRC108	24	25	1660	16200	1.62	0.16599999
TFRC108	25	26	1620	14100	1.41	0.162
TFRC108	26	27	1470	25300	2.53	0.147
TFRC108	27	28	1490	26700	2.6700001	0.149
TFRC108	28	29	2210	58600	5.8600001	0.221
TFRC108	29	30	1490	46800	4.6799998	0.149
TFRC108	30	31	1880	14500	1.45	0.18799999
TFRC108	31	32	556	2350	0.235	5.56E-02
TFRC108	32	33	1310	5140	0.514	0.131
TFRC108	33	34	1820	5120	0.51200002	0.182
TFRC108	34	35	554	1770	0.177	5.54E-02
TFRC108	35	36	771	2110	0.211	7.71E-02
TFRC108	36	37	1190	2680	0.26800001	0.119
TFRC108	37	38	819	1440	0.14399999	8.19E-02
TFRC108	38	39	899	2990	0.29899999	8.99E-02
TFRC108	39	40	750	6830	0.68300003	7.50E-02
TFRC108	40	41	1480	2020	0.20200001	0.148
TFRC108	41	42	660	1060	0.106	0.066
TFRC108	42	43	983	1190	0.119	9.83E-02
TFRC108	43	44	1120	1360	0.13600001	0.112
TFRC108	44	45	579	1280	0.12800001	0.0579
TFRC108	45	46	913	1030	0.103	9.13E-02
TFRC108	46	47	1270	1800	0.18000001	0.127
TFRC108	47	48	701	4070	0.40700001	7.01E-02
TFRC108	48	49	932	11000	1.1	9.32E-02
TFRC108	49	50	1590	15200	1.52	0.15899999
TFRC108	50	51	1420	10600	1.0599999	0.142
TFRC108	51	52	572	6470	0.64700001	0.0572
TFRC108	52	53	311	33900	3.3900001	3.11E-02
TFRC108	53	54	29	3490	0.34900001	0.0029
TFRC108	54	55	217	4290	0.42899999	0.0217
TFRC108	55	56	251	7000	0.69999999	0.0251
TFRC108	56	57	54	5230	0.523	5.40E-03
TFRC108	57	58	27	1820	0.182	2.70E-03
TFRC108	58	59	19	910	9.10E-02	0.0019
TFRC108	59	60	15	640	6.40E-02	0.0015
TFRC108	60	61	12	770	0.077	1.20E-03
TFRC108	61	62	32	1870	0.18700001	3.20E-03
TFRC108	62	63	29	3450	0.345	0.0029
TFRC108	63	64	17	4210	0.421	0.0017
TFRC108	64	65	18	3860	0.38600001	0.0018
TFRC108	65	66	27	2740	0.27399999	2.70E-03
TFRC108	66	67	23	2480	0.248	2.30E-03
TFRC108	67	68	48	440	0.044	4.80E-03
TFRC108	68	69	158	6230	0.62300003	1.58E-02
TFRC108	69	70	569	1110	0.111	5.69E-02
TFRC108	70	71	1860	8630	0.86299998	0.186
TFRC108	71	72	639	9730	0.97299999	6.39E-02
TFRC108	72	73	766	49900	4.9899998	0.0766
TFRC108	73	74	1120	76400	7.6399999	0.112
TFRC108	74	75	3140	55400	5.54	0.31400001
TFRC108	75	76	2590	78400	7.8400002	0.259
TFRC108	76	77	1520	59900	5.9899998	0.152
TFRC108	77	78	1410	70200	7.02	0.141

TFRC108	78	79	678	54000	5.4000001	0.0678
TFRC108	79	80	530	38200	3.8199999	5.30E-02
TFRC108	80	81	583	30100	3.01	0.0583
TFRC108	81	82	655	21300	2.1300001	6.55E-02
TFRC108	82	83	506	25000	2.5	0.0506
TFRC108	83	84	630	35000	3.5	6.30E-02
TFRC108	84	85	480	28600	2.8599999	0.048
TFRC108	85	86	387	5050	0.505	3.87E-02
TFRC108	86	87	731	37600	3.76	7.31E-02
TFRC108	87	88	931	37500	3.75	9.31E-02
TFRC108	88	89	556	52600	5.2600002	5.56E-02
TFRC108	89	90	415	69600	6.96	4.15E-02
TFRC108	90	91	666	61500	6.1500001	6.66E-02
TFRC108	91	92	837	31900	3.1900001	8.37E-02
TFRC108	92	93	5200	129000	12.9	0.51999998
TFRC108	93	94	275	27600	2.76	0.0275
TFRC108	94	95	384	42200	4.2199998	3.84E-02
TFRC108	95	96	534	54600	5.46	5.34E-02
TFRC108	96	97	387	55200	5.52	3.87E-02
TFRC108	97	98	784	40100	4.0100002	7.84E-02
TFRC108	98	99	2530	54800	5.48	0.25299999
TFRC108	99	100	1980	44400	4.4400001	0.198
TFRC108	100	101	1360	81100	8.1099997	0.13600001
TFRC108	101	102	804	26400	2.6400001	8.04E-02
TFRC108	102	103	858	23200	2.3199999	0.0858
TFRC108	103	104	234	25500	2.55	2.34E-02
TFRC108	104	105	104	12100	1.21	0.0104
TFRC108	105	106	11100	76800	7.6799998	1.11
TFRC108	106	107	7070	62400	6.2399998	0.70700002
TFRC108	107	108	5930	58900	5.8899999	0.59299999
TFRC108	108	109	4530	32100	3.21	0.45300001
TFRC108	109	110	2310	29100	2.9100001	0.23100001
TFRC108	110	111	3740	44500	4.4499998	0.37400001
TFRC108	111	112	3700	42900	4.29	0.37
TFRC108	112	113	3420	30400	3.04	0.34200001
TFRC108	113	114	3910	41000	4.0999999	0.391
TFRC108	114	115	6080	39600	3.96	0.60799998
TFRC108	115	116	5030	24200	2.4200001	0.50300002
TFRC108	116	117	3190	16400	1.64	0.31900001
TFRC108	117	118	2140	18900	1.89	0.214
TFRC108	118	119	3240	29600	2.96	0.324
TFRC108	119	120	5710	29800	2.98	0.57099998
TFRC108	120	121	14100	43100	4.3099999	1.41
TFRC108	121	122	6720	30600	3.0599999	0.67199999
TFRC108	122	123	7330	35000	3.5	0.73299998
TFRC108	123	124	2100	17000	1.7	0.20999999
TFRC108	124	125	3610	19100	1.91	0.361
TFRC108	125	126	3030	16800	1.6799999	0.303
TFRC108	126	127	2240	17400	1.74	0.22400001
TFRC108	127	128	6370	34400	3.4400001	0.63700002
TFRC109	0	4	680	990	9.90E-02	6.80E-02
TFRC109	4	8	115	460	0.046	0.0115
TFRC109	8	12	119	670	6.70E-02	0.0119
TFRC109	12	16	152	620	6.20E-02	0.0152
TFRC109	16	20	92	580	5.80E-02	9.20E-03
TFRC109	20	24	133	1090	0.109	0.0133
TFRC109	24	28	111	890	8.90E-02	0.0111
TFRC109	28	32	112	710	7.10E-02	0.0112
TFRC109	32	36	54	150	0.015	5.40E-03
TFRC109	36	40	59	460	0.046	5.90E-03
TFRC109	40	44	43	120	0.012	4.30E-03
TFRC109	44	48	40	100	1.00E-02	4.00E-03
TFRC109	48	52	59	210	0.021	5.90E-03

TFRC109	52	56	68	270	2.70E-02	6.80E-03
TFRC109	56	60	96	440	0.044	9.60E-03
TFRC109	60	64	64	210	0.021	6.40E-03
TFRC109	64	68	44	130	0.013	0.0044
TFRC109	68	72	57	270	2.70E-02	5.70E-03
TFRC109	72	76	66	250	0.025	0.0066
TFRC109	76	80	78	480	0.048	7.80E-03
TFRC109	80	84	40	170	1.70E-02	4.00E-03
TFRC109	84	88	67	220	0.022	6.70E-03
TFRC109	88	92	62	410	4.10E-02	6.20E-03
TFRC109	92	96	85	570	0.057	8.50E-03
TFRC109	96	100	63	260	2.60E-02	0.0063
TFRC109	100	104	38	50	5.00E-03	3.80E-03
TFRC109	104	108	34	400	4.00E-02	0.0034
TFRC109	108	112	39	140	0.014	3.90E-03
TFRC109	112	116	58	330	0.033	5.80E-03
TFRC109	116	120	58	280	2.80E-02	5.80E-03
TFRC109	120	124	55	180	1.80E-02	0.0055
TFRC109	124	128	68	230	0.023	6.80E-03
TFRC109	128	132	60	320	3.20E-02	6.00E-03
TFRC110	1	5	246	530	5.30E-02	2.46E-02
TFRC110	5	9	82	480	0.048	0.0082
TFRC110	9	13	81	370	0.037	8.10E-03
TFRC110	13	17	79	440	0.044	7.90E-03
TFRC110	17	21	125	1240	0.124	0.0125
TFRC110	21	25	115	1380	0.138	0.0115
TFRC110	25	29	125	1150	0.115	0.0125
TFRC110	29	33	112	620	6.20E-02	0.0112
TFRC110	33	37	105	470	4.70E-02	0.0105
TFRC110	37	40	81	510	5.10E-02	8.10E-03
TFRC110	40	44	98	440	0.044	9.80E-03
TFRC110	44	48	81	440	0.044	8.10E-03
TFRC110	48	52	49	350	0.035	4.90E-03
TFRC110	52	56	56	410	4.10E-02	5.60E-03
TFRC110	56	60	52	330	0.033	0.0052
TFRC110	60	64	53	340	3.40E-02	5.30E-03
TFRC110	64	68	43	210	0.021	4.30E-03
TFRC110	68	72	40	140	0.014	4.00E-03
TFRC110	72	76	50	210	0.021	5.00E-03
TFRC110	76	80	42	70	7.00E-03	4.20E-03
TFRC110	80	84	43	30	0.003	4.30E-03
TFRC110	84	88	32	50	5.00E-03	3.20E-03
TFRC110	88	92	39	60	6.00E-03	3.90E-03
TFRC110	92	96	41	60	6.00E-03	0.0041
TFRC110	96	100	36	40	4.00E-03	3.60E-03
TFRC110	100	104	36	50	5.00E-03	3.60E-03
TFRC110	104	108	40	40	4.00E-03	4.00E-03
TFRC110	108	112	49	20	2.00E-03	4.90E-03
TFRC110	112	116	45	30	0.003	4.50E-03
TFRC110	116	120	40	50	5.00E-03	4.00E-03
TFRC110	120	124	41	30	0.003	0.0041
TFRC110	124	128	42	40	4.00E-03	4.20E-03
TFRC110	128	132	49	40	4.00E-03	4.90E-03
TFRC110	132	136	48	120	0.012	4.80E-03
TFRC110	136	140	43	60	6.00E-03	4.30E-03
TFRC110	140	144	55	50	5.00E-03	0.0055
TFRC110	144	148	57	210	0.021	5.70E-03
TFRC110	148	150	78	450	4.50E-02	7.80E-03
TFRC111	1	5	61	630	6.30E-02	6.10E-03
TFRC111	5	9	67	720	7.20E-02	6.70E-03
TFRC111	9	13	119	990	9.90E-02	0.0119
TFRC111	13	17	680	1510	0.15099999	6.80E-02
TFRC111	17	21	635	1230	0.123	6.35E-02

TFRC111	21	25	354	1080	0.108	3.54E-02
TFRC111	25	29	319	1170	0.117	0.0319
TFRC111	29	33	254	650	6.50E-02	0.0254
TFRC111	33	37	192	520	5.20E-02	1.92E-02
TFRC111	37	41	241	1080	0.108	0.0241
TFRC111	41	45	183	830	8.30E-02	1.83E-02
TFRC111	45	49	161	600	6.00E-02	1.61E-02
TFRC111	49	53	157	880	0.088	1.57E-02
TFRC111	53	57	129	1040	0.104	0.0129
TFRC111	59	63	101	710	7.10E-02	0.0101
TFRC111	63	67	99	560	5.60E-02	9.90E-03
TFRC111	67	71	101	920	0.092	0.0101
TFRC111	71	75	91	720	7.20E-02	9.10E-03
TFRC111	75	79	154	1050	0.105	0.0154
TFRC111	79	83	84	560	5.60E-02	8.40E-03
TFRC111	83	87	94	600	6.00E-02	9.40E-03
TFRC111	87	91	83	420	4.20E-02	8.30E-03
TFRC111	91	95	77	390	3.90E-02	0.0077
TFRC111	95	100	72	350	0.035	7.20E-03
TFRC112	0	4	66	440	0.044	0.0066
TFRC112	4	8	156	500	5.00E-02	0.0156
TFRC112	8	12	117	310	3.10E-02	0.0117
TFRC112	12	16	51	300	3.00E-02	5.10E-03
TFRC112	16	20	117	450	4.50E-02	0.0117
TFRC112	20	24	55	280	2.80E-02	0.0055
TFRC112	24	28	76	450	4.50E-02	7.60E-03
TFRC112	28	32	62	350	0.035	6.20E-03
TFRC112	32	36	189	550	0.055	0.0189
TFRC112	36	40	74	320	3.20E-02	0.0074
TFRC112	40	44	154	450	4.50E-02	0.0154
TFRC112	44	48	84	390	3.90E-02	8.40E-03
TFRC112	48	52	189	460	0.046	0.0189
TFRC112	52	56	91	540	5.40E-02	9.10E-03
TFRC112	56	60	68	280	2.80E-02	6.80E-03
TFRC112	60	64	57	280	2.80E-02	5.70E-03
TFRC112	64	68	85	370	0.037	8.50E-03
TFRC112	68	72	45	240	0.024	4.50E-03
TFRC112	72	76	48	250	0.025	4.80E-03
TFRC112	76	81	65	300	3.00E-02	6.50E-03
TFRC113	3	7	75	770	0.077	7.50E-03
TFRC113	7	11	54	830	8.30E-02	5.40E-03
TFRC113	11	15	177	1130	0.113	0.0177
TFRC113	15	19	215	1300	0.13	2.15E-02
TFRC113	19	23	552	1630	0.163	5.52E-02
TFRC113	23	27	428	1400	0.14	4.28E-02
TFRC113	27	31	286	1050	0.105	0.0286
TFRC113	31	35	350	880	0.088	0.035
TFRC113	35	39	315	1030	0.103	3.15E-02
TFRC113	39	43	444	1430	0.14300001	4.44E-02
TFRC113	43	47	353	1640	0.164	3.53E-02
TFRC113	47	51	415	1840	0.184	4.15E-02
TFRC113	52	56	301	1790	0.17900001	3.01E-02
TFRC113	56	60	280	1800	0.18000001	2.80E-02
TFRC113	60	64	198	1570	0.15700001	0.0198
TFRC113	64	69	224	1380	0.138	2.24E-02
TFDH009	0	2	151	748	0.0748	0.0151
TFDH009	2	5	293	1000	0.1	2.93E-02
TFDH009	6	8	568	1460	0.146	0.0568
TFDH009	8	10	656	1800	0.18000001	0.0656
TFDH009	10	12	1160	1830	0.183	0.116
TFDH009	12	14	1310	1250	0.125	0.131
TFDH009	14	16	935	724	7.24E-02	9.35E-02
TFDH009	16	18	1080	762	7.62E-02	0.108

TFDH009	18	20	1270	912	9.12E-02	0.127
TFDH009	20	22	1270	1890	0.189	0.127
TFDH009	22	24	2760	1970	0.197	0.27599999
TFDH009	24	26	1750	1090	0.109	0.175
TFDH009	26	28	1000	1710	0.171	0.1
TFDH009	28	30	401	1110	0.111	4.01E-02
TFDH009	30	32	166	959	9.59E-02	0.0166
TFDH009	32	34	868	3600	0.36000001	8.68E-02
TFDH009	34	36	257	2190	0.219	2.57E-02
TFDH009	36	38	235	3720	0.37200001	2.35E-02
TFDH009	38	39	236	49000	4.9000001	2.36E-02
TFDH009	39	40	167	38300	3.8299999	0.0167
TFDH009	40	41	62.299999	24700	2.47	6.23E-03
TFDH009	41	42	25.200001	1420	0.142	2.52E-03
TFDH009	42	43	15.4	1800	0.18000001	0.00154
TFDH009	43	44	47	50900	5.0900002	4.70E-03
TFDH009	44	46	14.4	2750	0.27500001	1.44E-03
TFDH009	46	48	24.6	3090	0.30899999	2.46E-03
TFDH009	48	50	9.8000002	2290	0.229	9.80E-04
TFDH009	50	52	11.9	1570	0.15700001	0.00119
TFDH009	52	54	16.1	582	5.82E-02	0.00161
TFDH009	54	56	33.599998	1130	0.113	3.36E-03
TFDH009	56	57	174	4120	0.412	0.0174
TFDH009	57	59	167	2800	0.28	0.0167
TFDH009	60	62	734	5330	0.53299999	7.34E-02
TFDH009	62	64	1180	7600	0.75999999	0.118
TFDH009	69	71	1330	12900	1.29	0.133
TFDH009	71	73	730	7210	0.72100002	7.30E-02
TFDH009	74	76	859	3860	0.38600001	8.59E-02
TFDH009	77	79	913	7590	0.759	9.13E-02
TFDH009	79	81	985	4100	0.41	9.85E-02
TFDH009	81	83	1310	11200	1.12	0.131
TFDH009	83	85	1500	5290	0.52899998	0.15000001
TFDH009	86	88	1410	4090	0.40900001	0.141
TFDH009	88	89	1000	1480	0.148	0.1
TFDH009	90	91	1450	3430	0.34299999	0.145
TFDH009	92	94	721	978	9.78E-02	7.21E-02
TFDH009	94	96	364	785	7.85E-02	3.64E-02
TFDH009	96	98	312	517	0.0517	3.12E-02
TFDH009	98	100	477	762	7.62E-02	4.77E-02
TFDH009	100	102	488	1080	0.108	4.88E-02
TFDH009	102	104	446	758	7.58E-02	4.46E-02
TFDH009	104	106	362	4170	0.417	3.62E-02
TFDH009	106	108	347	1030	0.103	3.47E-02
TFDH009	108	110	200	34	0.0034	0.02
TFDH009	110	112	400	32	3.20E-03	4.00E-02
TFDH009	112	114	600	966	9.66E-02	6.00E-02
TFDH009	114	116	355	768	7.68E-02	3.55E-02
TFDH009	116	118	551	1700	0.17	5.51E-02
TFDH009	118	120	394	1140	0.114	0.0394
TFDH009	120	122	1000	6130	0.61299998	0.1
TFDH009	122	124	786	868	8.68E-02	7.86E-02
TFDH009	124	126	645	1670	0.167	6.45E-02
TFDH009	126	128	671	1240	0.124	6.71E-02
TFDH009	128	130	619	3970	0.39700001	6.19E-02
TFDH009	130	132	1230	1170	0.117	0.123
TFDH009	132	134	279	300	3.00E-02	2.79E-02
TFDH009	134	136	166	78	7.80E-03	0.0166
TFDH009	136	138	1970	99	9.90E-03	0.197
TFDH009	138	140	22.200001	19	0.0019	2.22E-03
TFDH009	140	142	21.299999	11	0.0011	2.13E-03
TFDH009	142	144	18.299999	7	7.00E-04	0.00183
TFDH009	144	146	33.799999	47	4.70E-03	3.38E-03

TFDH009	146	148	50.400002	48	4.80E-03	5.04E-03
TFDH009	148	150	16.4	10	0.001	1.64E-03
TFDH009	150	152	16.1	42	4.20E-03	0.00161
TFDH009	152	154	19.5	16	0.0016	1.95E-03
TFDH009	154	156	18.299999	13	0.0013	0.00183
TFDH009	156	158	17.4	14	0.0014	0.00174
TFDH009	158	160	15.1	6	6.00E-04	1.51E-03
TFDH009	160	162	16.6	9	9.00E-04	1.66E-03
TFDH009	162	164	16.200001	37	0.0037	1.62E-03
TFDH009	164	166	16.6	19	0.0019	1.66E-03
TFDH009	166	168	17.4	22	0.0022	0.00174
TFDH009	168	170	16.700001	11	0.0011	0.00167
TFDH009	170	172	16.4	8	8.00E-04	1.64E-03
TFDH009	172	174	14.3	13	0.0013	1.43E-03
TFDH009	174	176	14.2	12	1.20E-03	0.00142
TFDH009	176	178	13.9	11	0.0011	0.00139
TFDH009	178	180	14.2	7	7.00E-04	0.00142
TFDH009	180	182	13.6	9	9.00E-04	0.00136
TFDH009	182	184	11.9	6	6.00E-04	0.00119
TFDH009	184	186	12.4	7	7.00E-04	0.00124
TFDH009	186	188	13	8	8.00E-04	0.0013
TFDH009	188	190	12.2	7	7.00E-04	0.00122
TFDH009	190	192	12.1	23	2.30E-03	0.00121
TFDH009	192	194	12.3	15	0.0015	1.23E-03
TFDH009	194	196	13.5	9	9.00E-04	0.00135
TFDH009	196	198	13.3	9	9.00E-04	0.00133
TFDH009	198	200	16.299999	9	9.00E-04	0.00163
TFDH010	0	2	84.599998	726	0.0726	8.46E-03
TFDH010	2	4	80.900002	485	4.85E-02	8.09E-03
TFDH010	4	6	62.299999	447	0.0447	6.23E-03
TFDH010	6	8	111	714	7.14E-02	0.0111
TFDH010	8	10	160	1130	0.113	1.60E-02
TFDH010	10	12	228	1290	0.12899999	0.0228
TFDH010	12	14	154	887	8.87E-02	0.0154
TFDH010	14	16	150	1060	0.106	0.015
TFDH010	16	18	81	999	0.0999	8.10E-03
TFDH010	18	20	175	2270	0.227	0.0175
TFDH010	20	21	77.699997	1140	0.114	7.77E-03
TFDH010	21	22	81.199997	1870	0.18700001	8.12E-03
TFDH010	22	23	185	2140	0.214	0.0185
TFDH010	23	24	315	21900	2.1900001	3.15E-02
TFDH010	24	25	172	2650	0.26499999	1.72E-02
TFDH010	25	26	92.300003	2410	0.241	0.00923
TFDH010	26	27	87.199997	2870	0.287	8.72E-03
TFDH010	27	28	86	3210	0.32100001	8.60E-03
TFDH010	28	29	79.800003	7780	0.778	7.98E-03
TFDH010	29	30	82	850	8.50E-02	0.0082
TFDH010	30	31	82.099998	34700	3.47	8.21E-03
TFDH010	32	33	85.199997	23300	2.3299999	8.52E-03
TFDH010	33	34	76.699997	14300	1.4299999	7.67E-03
TFDH010	34	36	85.5	510	5.10E-02	8.55E-03
TFDH010	36	38	79	427	0.0427	7.90E-03
TFDH010	38	40	90.199997	399	3.99E-02	9.02E-03
TFDH010	40	42	68	310	3.10E-02	6.80E-03
TFDH010	42	44	70.900002	383	0.0383	0.00709
TFDH010	44	46	54.400002	356	3.56E-02	0.00544
TFDH010	46	48	62	574	5.74E-02	6.20E-03
TFDH010	48	50	74.400002	387	3.87E-02	7.44E-03
TFDH010	50	52	74.800003	384	3.84E-02	7.48E-03
TFDH010	52	54	60.900002	380	3.80E-02	6.09E-03
TFDH010	54	56	57.900002	411	4.11E-02	5.79E-03
TFDH010	56	58	56.900002	342	3.42E-02	0.00569
TFDH010	58	60	54.900002	231	0.0231	5.49E-03

TFDH010	60	62	45.700001	139	0.0139	4.57E-03
TFDH010	62	64	42.799999	114	0.0114	0.00428
TFDH010	64	66	47.799999	121	0.0121	4.78E-03
TFDH010	66	68	36.599998	112	0.0112	3.66E-03
TFDH010	68	70	47.900002	121	0.0121	4.79E-03
TFDH010	70	72	46.400002	77	0.0077	4.64E-03
TFDH010	72	74	48.5	77	0.0077	4.85E-03
TFDH010	74	76	46.099998	80	8.00E-03	4.61E-03
TFDH010	76	78	45.5	65	6.50E-03	4.55E-03
TFDH010	78	80	46.799999	55	0.0055	4.68E-03
TFDH010	80	82	49.099998	36	3.60E-03	4.91E-03
TFDH010	82	84	44.599998	47	4.70E-03	0.00446
TFDH010	84	86	45.299999	25	2.50E-03	0.00453
TFDH010	86	88	51.200001	17	0.0017	5.12E-03
TFDH010	88	90	51.200001	11	0.0011	5.12E-03
TFDH010	90	92	44.700001	29	0.0029	0.00447
TFDH010	92	94	45.900002	10	0.001	0.00459
TFDH010	94	96	43.900002	11	0.0011	4.39E-03
TFDH010	96	98	41.900002	17	0.0017	4.19E-03
TFDH010	98	100	41.299999	8	8.00E-04	4.13E-03
TFDH010	100	102	37.299999	6	6.00E-04	0.00373
TFDH010	102	104	39.200001	75	7.50E-03	0.00392
TFDH010	104	106	39.599998	52	0.0052	3.96E-03
TFDH010	106	108	38.599998	10	0.001	3.86E-03
TFDH010	108	110	41	7	7.00E-04	0.0041
TFDH010	110	112	40.400002	7	7.00E-04	0.00404
TFDH010	112	114	46	7	7.00E-04	4.60E-03
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TFDH010	348	349	37.900002	3440	0.34400001	3.79E-03
TFDH010	349	350	26.5	4340	0.43399999	2.65E-03
TFDH010	350	351	40.799999	10200	1.02	4.08E-03
TFDH010	351	352	166	1380	0.138	0.0166
TFDH010	352	353	490	206	0.0206	4.90E-02
TFDH010	353	354	484	125	0.0125	0.0484
TFDH010	354	355	1840	307	0.0307	0.184
TFDH010	355	356	2020	473	0.0473	0.20200001
TFDH010	356	357	6170	1270	0.127	0.61699998
TFDH010	357	358	17900	4430	0.44299999	1.79
TFDH010	358	359	11600	3570	0.35699999	1.16
TFDH010	359	360	2490	822	8.22E-02	0.249
TFDH010	360	361	14700	4120	0.412	1.47
TFDH010	361	362	18400	6100	0.61000001	1.84
TFDH010	362	363	1070	294	0.0294	0.107
TFDH010	363	364	1480	253	0.0253	0.148
TFDH010	364	365	1930	323	3.23E-02	0.193
TFDH010	365	366	777	189	0.0189	7.77E-02
TFDH010	366	367	1900	273	0.0273	0.19
TFDH010	367	368	1300	163	0.0163	0.13
TFDH010	368	369	2000	261	0.0261	0.2
TFDH010	369	370	1680	284	0.0284	0.168
TFDH010	370	371	2620	615	6.15E-02	0.26199999
TFDH010	371	372	1960	441	4.41E-02	0.19599999
TFDH010	372	373	3740	892	8.92E-02	0.37400001
TFDH010	373	374	1460	302	3.02E-02	0.146
TFDH010	374	375	3340	679	6.79E-02	0.33399999
TFDH010	375	376	602	73	7.30E-03	6.02E-02
TFDH010	376	377	1700	321	3.21E-02	0.17
TFDH010	377	378	3210	777	7.77E-02	0.32100001
TFDH010	378	379	4660	1050	0.105	0.46599999
TFDH010	379	380	3000	634	0.0634	0.30000001
TFDH010	380	381	4480	1190	0.119	0.44800001
TFDH010	381	382	2950	719	7.19E-02	0.29499999
TFDH010	382	383	1680	354	3.54E-02	0.168
TFDH010	383	384	2620	719	7.19E-02	0.26199999
TFDH010	384	385	6200	1150	0.115	0.62
TFDH010	385	386	5410	1210	0.121	0.54100001
TFDH010	386	387	7270	3920	0.39199999	0.727
TFDH010	387	388	5300	1040	0.104	0.52999997
TFDH010	388	389	4.4000001	-10	-0.001	0.00044
TFDH010	389	390	1900	147	0.0147	0.19
TFDH010	390	391	1880	232	0.0232	0.18799999
TFDH010	391	392	1140	67	6.70E-03	0.114
TFDH010	392	393	11.4	14	0.0014	1.14E-03
TFDH010	393	394	1390	115	0.0115	0.139
TFDH010	394	395	3680	2090	0.20900001	0.368
TFDH010	395	396	5250	2850	0.285	0.52499998
TFDH010	396	397	-1	-10	-0.001	-1.00E-04
TFDH010	397	398	5490	4550	0.45500001	0.54900002
TFDH010	398	399	50.400002	25600	2.5599999	5.04E-03
TFDH010	399	400	3220	3230	0.32300001	0.322
TFDH010	400	401	7620	9380	0.93800002	0.76200002
TFDH010	401	402	11900	11200	1.12	1.1900001
TFDH010	402	403	2820	2150	0.215	0.28200001
TFDH010	403	404	2080	1330	0.133	0.208
TFDH010	404	405	3060	1090	0.109	0.30599999
TFDH010	405	406	1480	4050	0.405	0.148
TFDH010	406	407	672	755	7.55E-02	6.72E-02
TFDH010	407	408	1120	1220	0.122	0.112
TFDH010	408	409	554	281	2.81E-02	5.54E-02
TFDH010	409	410	1740	2070	0.207	0.17399999

TFDH010	410	411	1410	733	7.33E-02	0.141
TFDH010	411	412	890	626	6.26E-02	8.90E-02
TFDH010	412	413	1110	748	0.0748	0.111
TFDH010	413	414	3360	11000	1.1	0.336
TFDH010	414	415	3640	18800	1.88	0.36399999
TFDH010	415	416	722	21000	2.0999999	0.0722
TFDH010	416	417	1220	15300	1.53	0.122
TFDH010	417	418	531	30900	3.0899999	5.31E-02
TFDH010	418	419	174	23200	2.3199999	0.0174
TFDH010	419	420	1670	10900	1.09	0.167
TFDH010	420	421	1750	2570	0.257	0.175
TFDH010	421	422	2040	13300	1.33	0.204
TFDH010	422	423	120	12100	1.21	0.012
TFDH010	423	424	110	10700	1.0700001	0.011
TFDH010	424	425	2040	7950	0.79500002	0.204
TFDH010	425	426	803	11000	1.1	8.03E-02
TFDH010	426	427	1100	6970	0.69700003	0.11
TFDH010	427	428	1640	8090	0.80900002	0.164
TFDH010	428	429	666	6820	0.68199998	6.66E-02
TFDH010	429	430	224	9270	0.92699999	2.24E-02
TFDH010	430	431	31	53400	5.3400002	3.10E-03
TFDH010	431	432	33.900002	27500	2.75	3.39E-03
TFDH010	432	433	35	25900	2.5899999	3.50E-03
TFDH010	433	434	392	16400	1.64	0.0392
TFDH010	434	435	992	10900	1.09	9.92E-02
TFDH010	435	436	968	2630	0.26300001	9.68E-02
TFDH010	436	437	1080	1390	0.139	0.108
TFDH010	437	438	1220	1960	0.19599999	0.122
TFDH010	438	439	1070	4140	0.414	0.107
TFDH010	439	440	1900	12400	1.24	0.19
TFDH010	440	441	103	18500	1.85	0.0103
TFDH010	441	442	29.4	14900	1.49	0.00294
TFDH010	442	443	27.799999	10200	1.02	0.00278
TFDH010	443	444	88.699997	25600	2.5599999	0.00887
TFDH010	444	445	60.900002	7670	0.76700002	6.09E-03
TFDH010	445	446	72.099998	5980	0.59799999	0.00721
TFDH010	446	447	29.5	3650	0.36500001	2.95E-03
TFDH010	447	448	33.599998	5330	0.53299999	3.36E-03
TFDH010	448	449	51.5	4090	0.40900001	5.15E-03
TFDH010	449	450	31.5	3950	0.39500001	0.00315
TFDH010	450	451	32.700001	5110	0.51099998	0.00327
TFDH010	451	452	35.299999	5290	0.52899998	3.53E-03
TFDH010	452	453	88.599998	10000	1	8.86E-03
TFDH010	453	454	34.099998	4820	0.48199999	3.41E-03
TFDH010	454	455	30.9	5330	0.53299999	0.00309
TFDH010	455	456	38.200001	4460	0.44600001	0.00382
TFDH010	456	457	104	11500	1.15	0.0104
TFDH010	457	458	56.799999	12900	1.29	5.68E-03
TFDH010	458	459	57.900002	20100	2.01	5.79E-03
TFDH010	459	460	123	32600	3.26	0.0123
TFDH010	460	461	65.599998	29700	2.97	6.56E-03
TFDH010	461	462	124	33500	3.3499999	0.0124
TFDH010	462	463	49.200001	16100	1.61	4.92E-03
TFDH010	463	464	30.200001	5460	0.546	3.02E-03
TFDH010	464	465	35	9870	0.98699999	3.50E-03
TFDH010	465	466	227	8170	0.81699997	2.27E-02
TFDH010	466	467	27.700001	8130	0.81300002	2.77E-03
TFDH010	467	468	-1	-10	-0.001	-1.00E-04
TFDH010	468	469	207	11800	1.1799999	0.0207
TFDH010	469	470	85.199997	25800	2.5799999	8.52E-03
TFDH010	470	471	35.200001	23200	2.3199999	0.00352
TFDH010	471	472	62.200001	11500	1.15	6.22E-03
TFDH010	472	473	83.400002	14900	1.49	8.34E-03

TFDH010	473	474	22.6	5980	0.59799999	0.00226
TFDH010	474	475	29.299999	5940	0.59399998	0.00293
TFDH010	475	476	31.4	7540	0.75400001	3.14E-03
TFDH010	476	477	109	26800	2.6800001	0.0109
TFDH010	477	478	68	12300	1.23	6.80E-03
TFDH010	478	479	394	11200	1.12	0.0394
TFDH010	479	480	115	7570	0.75700003	0.0115
TFDH010	480	482	83.199997	119	0.0119	0.00832
TFDH010	482	484	48.200001	29	0.0029	4.82E-03
TFDH010	484	486	34.099998	46	4.60E-03	3.41E-03
TFDH010	486	488	19.4	38	3.80E-03	0.00194
TFDH010	488	490	20.9	23	2.30E-03	2.09E-03
TFDH010	490	492	20.4	32	3.20E-03	2.04E-03
TFDH010	492	494	17.5	13	0.0013	1.75E-03
TFDH010	494	496	23.9	23	2.30E-03	0.00239
TFDH010	496	498	12.2	18	0.0018	0.00122
TFDH010	498	500	7.4000001	19	0.0019	7.40E-04
TFDH010	500	502	-10	50	5.00E-03	-0.001
TFDH010	502	503	6.9000001	23	2.30E-03	6.90E-04
STCDH_011	0	1				
STCDH_011	1	2				
STCDH_011	2	3				
STCDH_011	3	6				
STCDH_011	6	7.5				
STCDH_011	7.5	8				
STCDH_011	8	12				
STCDH_011	12	13.5				
STCDH_011	13.5	14.5				
STCDH_011	14.5	15.5				
STCDH_011	15.5	16.5				
STCDH_011	16.5	17.5				
STCDH_011	17.5	18.5				
STCDH_011	18.5	19.5				
STCDH_011	19.5	20.5				
STCDH_011	20.5	21.5				
STCDH_011	21.5	22.5				
STCDH_011	22.5	23.5				
STCDH_011	23.5	24.5				
STCDH_011	24.5	25.5				
STCDH_011	25.5	26.5				
STCDH_011	26.5	27.5				
STCDH_011	27.5	28.5				
STCDH_011	28.5	29.5				
STCDH_011	29.5	30.5				
STCDH_011	30.5	31.5				
STCDH_011	31.5	32.5				
STCDH_011	32.5	33.5				
STCDH_011	33.5	34.5				
STCDH_011	34.5	35.5				
STCDH_011	35.5	36.5				
STCDH_011	36.5	37.5				
STCDH_011	37.5	38.5				
STCDH_011	38.5	39.5				
STCDH_011	39.5	40.5				
STCDH_011	40.5	41.5				
STCDH_011	41.5	42.5				
STCDH_011	42.5	43.5				
STCDH_011	43.5	44.5				
STCDH_011	44.5	45.5				
STCDH_011	45.5	46.5				
STCDH_011	46.5	47.5				
STCDH_011	47.5	48.5				
STCDH_011	48.5	49.5				

STCDH_011	49.5	50.5
STCDH_011	50.5	51.5
STCDH_011	51.5	52.5
STCDH_011	52.5	53.5
STCDH_011	53.5	54.5
STCDH_011	54.5	55.5
STCDH_011	55.5	56.5
STCDH_011	56.5	57.5
STCDH_011	57.5	58.5
STCDH_011	58.5	59.5
STCDH_011	59.5	60
STCDH_026	0	1
STCDH_026	1	2
STCDH_026	2	3
STCDH_026	3	4
STCDH_026	4	5
STCDH_026	5	6
STCDH_026	6	7
STCDH_026	7	8
STCDH_026	8	9
STCDH_026	9	10
STCDH_026	10	11
STCDH_026	11	12
STCDH_026	12	13
STCDH_026	13	14
STCDH_026	14	15
STCDH_026	15	16
STCDH_026	16	17
STCDH_026	17	18
STCDH_026	18	19
STCDH_026	19	20
STCDH_026	20	21
STCDH_026	21	22
STCDH_026	22	23
STCDH_026	23	24
STCDH_026	24	25
STCDH_026	25	26
STCDH_026	26	27
STCDH_026	27	28
STCDH_026	28	29
STCDH_026	29	30
STCDH_026	30	31
STCDH_026	31	32
STCDH_026	32	33
STCDH_026	33	34
STCDH_026	34	35
STCDH_026	35	36
STCDH_026	36	37
STCDH_026	37	38
STCDH_026	38	39
STCDH_026	39	40
STCDH_026	40	41
STCDH_026	41	42
STCDH_026	42	43
STCDH_026	43	44
STCDH_026	44	45
STCDH_026	45	46
STCDH_026	46	47
STCDH_026	47	48
STCDH_026	48	49
STCDH_026	49	50
STCDH_026	50	51
STCDH_026	51	52

STCDH_026	52	53				
STCDH_026	53	54				
STCDH_026	54	55				
STCDH_026	55	56				
STCDH_026	56	57				
STCDH_026	57	58				
STCDH_001	1.5	2.25	2900	77900	7.79	0.28999999
STCDH_001	2.25	3	700	130000	13	0.07
STCDH_001	3	4	800	44800	4.48	8.00E-02
STCDH_001	4	5	1500	40400	4.04	0.15000001
STCDH_001	5	6	4800	105000	10.5	0.47999999
STCDH_001	12	13.5	2300	66600	6.6599998	0.23
STCDH_001	13.5	15	4700	61500	6.1500001	0.47
STCDH_001	15	16.5	1600	154000	15.4	0.16
STCDH_001	16.5	17.25	2700	221000	22.1	0.27000001
STCDH_001	17.25	18	8400	272000	27.200001	0.83999997
STCDH_001	18	19	10400	21500	2.1500001	1.04
STCDH_001	19	20	800	12400	1.24	8.00E-02
STCDH_001	20	21	-100	10500	1.05	-1.00E-02
STCDH_001	21	22	-100	2640	0.264	-1.00E-02
STCDH_001	22	23	49600	221000	22.1	4.96
STCDH_001	23	24	1200	58700	5.8699999	0.12
STCDH_001	25.5	27	1800	78200	7.8200002	0.18000001
STCDH_001	27	28	1300	35800	3.5799999	0.13
STCDH_001	28	29	900	10800	1.08	9.00E-02
STCDH_001	29	30	1000	11200	1.12	0.1
STCDH_001	33	34	3000	57600	5.7600002	0.30000001
STCDH_001	34	35	300	39500	3.95	3.00E-02
STCDH_001	36	37	23800	36000	3.5999999	2.3800001
STCDH_001	37	38	28500	26600	2.6600001	2.8499999
STCDH_001	38	39.5	4300	25500	2.55	0.43000001
STCDH_001	39.5	40.5	4100	88400	8.8400002	0.41
STCDH_001	40.5	41.25	6900	21200	2.1199999	0.69
STCDH_001	41.25	42	3300	27100	2.71	0.33000001
STCDH_001	42	43	1500	35100	3.51	0.15000001
STCDH_001	43	44	800	41300	4.1300001	8.00E-02
STCDH_001	46.5	47.25	2200	75300	7.5300002	0.22
STCDH_001	47.25	48	3300	78600	7.8600001	0.33000001
STCDH_001	48	49	8900	26200	2.6199999	0.88999999
STCDH_001	49	50	1300	20500	2.05	0.13
STCDH_001	51	52.5	500	80600	8.0600004	5.00E-02
STCDH_001	53	54	200	376	3.76E-02	0.02
STCDH_001	54	55.5	200	4130	0.41299999	0.02
STCDH_001	55.5	57	300	10800	1.08	3.00E-02
STCDH_001	57	58	200	3770	0.377	0.02
STCDH_001	58	59	400	28400	2.8399999	4.00E-02
STCDH_001	59	60	600	47600	4.7600002	6.00E-02
STCDH_001	60	61.5	-100	14000	1.4	-1.00E-02
STCDH_001	61.5	63	100	1990	0.199	1.00E-02
STCDH_001	63	64	100	21900	2.1900001	1.00E-02
STCDH_001	64	65	100	5770	0.57700002	1.00E-02
STCDH_001	65	66	-100	1100	0.11	-1.00E-02
STCDH_001	66	67	100	1750	0.175	1.00E-02
STCDH_001	67	68	-100	1120	0.112	-1.00E-02
STCDH_001	68	69	-100	623	0.0623	-1.00E-02
STCDH_001	69	70	-100	1790	0.17900001	-1.00E-02
STCDH_001	70	71	-100	1740	0.17399999	-1.00E-02
STCDH_001	71	72	-100	1290	0.12899999	-1.00E-02
STCDH_001	72	73	100	762	7.62E-02	1.00E-02
STCDH_001	73.5	75	100	12400	1.24	1.00E-02
STCDH_001	75	76	-100	13400	1.34	-1.00E-02
STCDH_001	76	76.5	-100	892	8.92E-02	-1.00E-02
STCDH_001	76.5	77.25	-100	9240	0.92400002	-1.00E-02

STCDH_001	77.25	78	-100	21700	2.1700001	-1.00E-02
STCDH_001	78	79	-100	22400	2.24	-1.00E-02
STCDH_001	79	80	-100	20800	2.0799999	-1.00E-02
STCDH_001	80	81	-100	2710	0.271	-1.00E-02
STCDH_001	81	82	-100	856	8.56E-02	-1.00E-02
STCDH_001	82	83	1200	22700	2.27	0.12
STCDH_001	83	84	200	22200	2.22	0.02
STCDH_001	84	85	-100	1910	0.191	-1.00E-02
STCDH_001	85	86	-100	2130	0.213	-1.00E-02
STCDH_001	86	87	100	12000	1.2	1.00E-02
STCDH_001	87	88	-100	14400	1.4400001	-1.00E-02
STCDH_001	88	89	100	15100	1.51	1.00E-02
STCDH_001	89	90	100	14600	1.46	1.00E-02
STCDH_001	90	91.5	-100	10200	1.02	-1.00E-02
STCDH_001	91.5	93	-100	13100	1.3099999	-1.00E-02
STCDH_001	93	94	-100	14900	1.49	-1.00E-02
STCDH_001	94	95	200	11200	1.12	0.02
STCDH_001	95	96	100	11000	1.1	1.00E-02
STCDH_001	96	97	-100	16200	1.62	-1.00E-02
STCDH_001	97	98	-100	9250	0.92500001	-1.00E-02
STCDH_001	98	99	-100	9180	0.91799998	-1.00E-02
STCDH_001	99	100	-100	2930	0.29300001	-1.00E-02
STCDH_001	100	101	-100	4510	0.45100001	-1.00E-02
STCDH_001	101	102	-100	5500	0.55000001	-1.00E-02
STCDH_001	102	103	-100	11500	1.15	-1.00E-02
STCDH_001	103	104	-100	6820	0.68199998	-1.00E-02
STCDH_001	104	105	-100	11300	1.13	-1.00E-02
STCDH_001	105	106	-100	13100	1.3099999	-1.00E-02
STCDH_001	106	107	-100	10800	1.08	-1.00E-02
STCDH_001	107	108	-100	15700	1.5700001	-1.00E-02
STCDH_001	108	109	-100	15400	1.54	-1.00E-02
STCDH_001	109	110	-100	13400	1.34	-1.00E-02
STCDH_001	110	111	-100	10400	1.04	-1.00E-02
STCDH_001	111	112	-100	12200	1.22	-1.00E-02
STCDH_001	112	113	-100	7220	0.722	-1.00E-02
STCDH_001	113	114	-100	14200	1.42	-1.00E-02
STCDH_001	114	115	-100	10300	1.03	-1.00E-02
STCDH_001	115	116	-100	1200	0.12	-1.00E-02
STCDH_001	116	117	-100	3020	0.30199999	-1.00E-02
STCDH_001	117	118	-100	750	7.50E-02	-1.00E-02
STCDH_001	118	119	-100	1310	0.131	-1.00E-02
STCDH_001	119	120	-100	3690	0.36899999	-1.00E-02
STCDH_001	120	121	-100	9860	0.986	-1.00E-02
STCDH_001	121	122	-100	3520	0.352	-1.00E-02
STCDH_001	122	123	-100	4760	0.47600001	-1.00E-02
STCDH_001	123	124	-100	1140	0.114	-1.00E-02
STCDH_001	124	125	-100	11500	1.15	-1.00E-02
STCDH_001	125	126	-100	12300	1.23	-1.00E-02
STCDH_001	126	127	-100	19300	1.9299999	-1.00E-02
STCDH_001	127	128	-100	7330	0.73299998	-1.00E-02
STCDH_001	128	129	-100	12600	1.26	-1.00E-02
STCDH_001	129	130	-100	13800	1.38	-1.00E-02
STCDH_001	130	131	-100	11000	1.1	-1.00E-02
STCDH_001	131	132	-100	7540	0.75400001	-1.00E-02
STCDH_001	132	133	-100	7320	0.73199999	-1.00E-02
STCDH_001	133	134	-100	9460	0.94599998	-1.00E-02
STCDH_001	134	135	-100	8350	0.83499998	-1.00E-02
STCDH_001	135	136	-100	6540	0.65399998	-1.00E-02
STCDH_001	136	137	-100	11300	1.13	-1.00E-02
STCDH_001	137	138	-100	25500	2.55	-1.00E-02
STCDH_001	138	139	-100	14400	1.4400001	-1.00E-02
STCDH_001	139	140	-100	20400	2.04	-1.00E-02
STCDH_001	140	141	-100	27800	2.78	-1.00E-02

STCDH_001	141	142	-100	20500	2.05	-1.00E-02
STCDH_001	142	143	-100	16200	1.62	-1.00E-02
STCDH_001	143	144	-100	16200	1.62	-1.00E-02
STCDH_001	144	145	-100	14200	1.42	-1.00E-02
STCDH_001	145	146	-100	15300	1.53	-1.00E-02
STCDH_001	146	147	-100	17000	1.7	-1.00E-02
STCDH_001	147	148	-100	33300	3.3299999	-1.00E-02
STCDH_001	148	149	-100	82800	8.2799997	-1.00E-02
STCDH_001	149	150	-100	68200	6.8200002	-1.00E-02
STCDH_001	150	151	-100	58700	5.8699999	-1.00E-02
STCDH_001	151	152	-100	10700	1.0700001	-1.00E-02
STCDH_001	152	153	-100	16500	1.65	-1.00E-02
STCDH_001	153	154	-100	16400	1.64	-1.00E-02
STCDH_001	154	155	-100	13200	1.3200001	-1.00E-02
STCDH_001	155	156	-100	19100	1.91	-1.00E-02
STCDH_001	156	157	-100	13800	1.38	-1.00E-02
STCDH_001	157	158	-100	12200	1.22	-1.00E-02
STCDH_001	158	159	-100	7690	0.76899999	-1.00E-02
STCDH_001	159	160	-100	2540	0.25400001	-1.00E-02
STCDH_001	160	161	-100	8950	0.89499998	-1.00E-02
STCDH_001	161	162	-100	9120	0.912	-1.00E-02
STCDH_001	162	163.3	-100	25000	2.5	-1.00E-02
STCDH_001	163.3	164	-100	61500	6.1500001	-1.00E-02
STCDH_001	164	165	-100	50200	5.02	-1.00E-02
STCDH_001	165	166	-100	26400	2.6400001	-1.00E-02
STCDH_001	166	167	-100	33400	3.3399999	-1.00E-02
STCDH_001	167	168	-100	41500	4.1500001	-1.00E-02
STCDH_001	168	169	-100	34200	3.4200001	-1.00E-02
STCDH_001	169	170	-100	44300	4.4299998	-1.00E-02
STCDH_001	170	171	-100	46700	4.6700001	-1.00E-02
STCDH_001	171	172	-100	29700	2.97	-1.00E-02
STCDH_001	172	173	-100	30700	3.0699999	-1.00E-02
STCDH_001	173	174	-100	36900	3.6900001	-1.00E-02
STCDH_001	174	175	-100	35100	3.51	-1.00E-02
STCDH_001	175	176	-100	43700	4.3699999	-1.00E-02
STCDH_001	176	177	-100	54600	5.46	-1.00E-02
STCDH_001	177	178	-100	26600	2.6600001	-1.00E-02
STCDH_001	178	179	-100	29800	2.98	-1.00E-02
STCDH_001	179	180	-100	26500	2.6500001	-1.00E-02
STCDH_001	180	181	-100	30000	3	-1.00E-02
STCDH_001	181	182	-100	45200	4.52	-1.00E-02
STCDH_001	182	183	-100	48600	4.8600001	-1.00E-02
STCDH_001	183	184	-100	66300	6.6300001	-1.00E-02
STCDH_001	184	185	-100	44900	4.4899998	-1.00E-02
STCDH_001	185	186	-100	29300	2.9300001	-1.00E-02
STCDH_001	186	187	-100	22400	2.24	-1.00E-02
STCDH_001	187	188	-100	8160	0.81599998	-1.00E-02
STCDH_001	188	189	-100	11900	1.1900001	-1.00E-02
STCDH_001	189	190	-100	8500	0.85000002	-1.00E-02
STCDH_001	190	191	-100	9350	0.935	-1.00E-02
STCDH_001	191	192	-100	7640	0.764	-1.00E-02
STCDH_001	192	193	-100	8960	0.89600003	-1.00E-02
STCDH_001	193	194	-100	41500	4.1500001	-1.00E-02
STCDH_001	194	195	-100	23300	2.3299999	-1.00E-02
STCDH_001	195	196	-100	32800	3.28	-1.00E-02
STCDH_001	196	197	-100	15700	1.5700001	-1.00E-02
STCDH_001	197	198	-100	77900	7.79	-1.00E-02
STCDH_001	198	199	-100	14800	1.48	-1.00E-02
STCDH_001	199	200	-100	14100	1.41	-1.00E-02
STCDH_001	200	201	-100	15100	1.51	-1.00E-02
STCDH_001	201	202	-100	9410	0.94099998	-1.00E-02
STCDH_001	202	203	-100	24700	2.47	-1.00E-02
STCDH_001	203	204	-100	6400	0.63999999	-1.00E-02

STCDH_001	204	205	-100	4360	0.43599999	-1.00E-02
STCDH_001	205	206	-100	9200	0.92000002	-1.00E-02
STCDH_001	206	207	-100	16700	1.67	-1.00E-02
STCDH_001	207	208	-100	39600	3.96	-1.00E-02
STCDH_001	208	209	-100	25200	2.52	-1.00E-02
STCDH_001	209	210	-100	18600	1.86	-1.00E-02
STCDH_001	210	211	-100	22500	2.25	-1.00E-02
STCDH_001	211	212	-100	30900	3.0899999	-1.00E-02
STCDH_001	212	213	-100	30400	3.04	-1.00E-02
STCDH_001	213	214	-100	31300	3.1300001	-1.00E-02
STCDH_001	214	215	-100	35800	3.5799999	-1.00E-02
STCDH_001	215	216	-100	48200	4.8200002	-1.00E-02
STCDH_001	216	217	-100	45200	4.52	-1.00E-02
STCDH_001	217	218	-100	51200	5.1199999	-1.00E-02
STCDH_001	218	219	-100	35300	3.53	-1.00E-02
STCDH_001	219	220	-100	63400	6.3400002	-1.00E-02
STCDH_001	220	221	-100	63500	6.3499999	-1.00E-02
STCDH_001	221	222	-100	59900	5.9899998	-1.00E-02
STCDH_001	222	223	-100	16300	1.63	-1.00E-02
STCDH_001	223	224.12	-100	73600	7.3600001	-1.00E-02
STCDH_001	224.12	225	-100	60500	6.0500002	-1.00E-02
STCDH_001	225	226	-100	60000	6	-1.00E-02
STCDH_001	226	227	-100	51200	5.1199999	-1.00E-02
STCDH_001	227	228	-100	36600	3.6600001	-1.00E-02
STCDH_001	228	229	-100	34800	3.48	-1.00E-02
STCDH_001	229	230	-100	35200	3.52	-1.00E-02
STCDH_001	230	231	-100	33400	3.3399999	-1.00E-02
STCDH_001	231	232	-100	27500	2.75	-1.00E-02
STCDH_001	232	233	-100	49400	4.9400001	-1.00E-02
STCDH_001	233	234	-100	41800	4.1799998	-1.00E-02
STCDH_001	234	235	-100	59300	5.9299998	-1.00E-02
STCDH_001	235	236	-100	41300	4.1300001	-1.00E-02
STCDH_001	236	237	-100	40400	4.04	-1.00E-02
STCDH_001	237	238	-100	51300	5.1300001	-1.00E-02
STCDH_001	238	239	-100	46200	4.6199999	-1.00E-02
STCDH_001	239	240	-100	48100	4.8099999	-1.00E-02
STCDH_001	240	241	-100	27100	2.71	-1.00E-02
STCDH_001	241	242	-100	57300	5.73	-1.00E-02
STCDH_001	242	243	-100	45700	4.5700002	-1.00E-02
STCDH_001	243	244	-100	16600	1.66	-1.00E-02
STCDH_001	244	245	-100	31700	3.1700001	-1.00E-02
STCDH_001	245	246	-100	41400	4.1399999	-1.00E-02
STCDH_001	246	247	-100	36000	3.5999999	-1.00E-02
STCDH_001	247	247.57001	-100	45700	4.5700002	-1.00E-02
STCDH_001	247.57001	248	-100	17600	1.76	-1.00E-02
STCDH_001	248	249	-100	14500	1.45	-1.00E-02
STCDH_001	249	250	-100	15200	1.52	-1.00E-02
STCDH_001	250	251	-100	22100	2.21	-1.00E-02
STCDH_001	251	252	-100	29200	2.9200001	-1.00E-02
STCDH_001	252	253	-100	23700	2.3699999	-1.00E-02
STCDH_001	253	254	-100	32300	3.23	-1.00E-02
STCDH_001	254	255	-100	37300	3.73	-1.00E-02
STCDH_001	255	256	-100	22900	2.29	-1.00E-02
STCDH_001	256	257	-100	19500	1.95	-1.00E-02
STCDH_001	257	258	-100	25200	2.52	-1.00E-02
STCDH_001	258	259	-100	22700	2.27	-1.00E-02
STCDH_001	259	260	-100	27200	2.72	-1.00E-02
STCDH_001	260	261	-100	24600	2.46	-1.00E-02
STCDH_001	261	261.5	-100	40100	4.0100002	-1.00E-02
STCDH_001	261.5	262	-100	31100	3.1099999	-1.00E-02
STCDH_001	262	263	-100	44100	4.4099998	-1.00E-02
STCDH_001	263	264	-100	63000	6.3000002	-1.00E-02
STCDH_001	264	265	-100	54200	5.4200001	-1.00E-02

STCDH_001	265	266	-100	67500	6.75	-1.00E-02
STCDH_001	266	267	-100	52000	5.1999998	-1.00E-02
STCDH_001	267	268	-100	33900	3.3900001	-1.00E-02
STCDH_001	268	269	-100	40100	4.0100002	-1.00E-02
STCDH_001	269	270	-100	48400	4.8400002	-1.00E-02
STCDH_001	270	271	-100	37600	3.76	-1.00E-02
STCDH_001	271	272	-100	61300	6.1300001	-1.00E-02
STCDH_001	272	273	-100	49500	4.9499998	-1.00E-02
STCDH_001	273	274	-100	34400	3.4400001	-1.00E-02
STCDH_001	274	275	-100	26900	2.6900001	-1.00E-02
STCDH_001	275	276	-100	52900	5.29	-1.00E-02
STCDH_001	276	277	-100	71300	7.1300001	-1.00E-02
STCDH_001	277	278	-100	24500	2.45	-1.00E-02
STCDH_001	278	279	-100	43700	4.3699999	-1.00E-02
STCDH_001	279	280	-100	34100	3.4100001	-1.00E-02
STCDH_001	280	281	-100	32600	3.26	-1.00E-02
STCDH_001	281	282	-100	29900	2.99	-1.00E-02
STCDH_001	282	283	-100	25900	2.5899999	-1.00E-02
STCDH_001	283	284	-100	28900	2.8900001	-1.00E-02
STCDH_001	284	285	-100	16500	1.65	-1.00E-02
STCDH_001	285	286	-100	9270	0.92699999	-1.00E-02
STCDH_001	286	287	-100	69200	6.9200001	-1.00E-02
STCDH_001	287	288	-100	28800	2.8800001	-1.00E-02
STCDH_001	288	289	-100	33500	3.3499999	-1.00E-02
STCDH_001	289	290	-100	44300	4.4299998	-1.00E-02
STCDH_001	290	291	-100	33200	3.3199999	-1.00E-02
STCDH_001	291	292	-100	31300	3.1300001	-1.00E-02
STCDH_001	292	293	-100	29200	2.9200001	-1.00E-02
STCDH_001	293	294.5	-100	48600	4.8600001	-1.00E-02
STCDH_001	294.5	295	200	16600	1.66	0.02
STCDH_001	295	296	-100	311	3.11E-02	-1.00E-02
STCDH_001	296	297	900	74900	7.4899998	9.00E-02
STCDH_003	0	1	1200	64600	6.46	0.12
STCDH_003	1	2	1200	52800	5.2800002	0.12
STCDH_003	2	3	2600	71800	7.1799998	0.25999999
STCDH_003	3	4	1000	127000	12.7	0.1
STCDH_003	4	5	300	50500	5.0500002	3.00E-02
STCDH_003	5	6	1100	38600	3.8599999	0.11
STCDH_003	6	7	3400	71500	7.1500001	0.34
STCDH_003	7	8	3200	25000	2.5	0.31999999
STCDH_003	8	9	1200	22600	2.26	0.12
STCDH_003	9	10	12000	29100	2.9100001	1.2
STCDH_003	10	11	500	4610	0.461	5.00E-02
STCDH_003	11	12	7900	11300	1.13	0.79000002
STCDH_003	12	13	500	8260	0.82599998	5.00E-02
STCDH_003	13	14	2500	25300	2.53	0.25
STCDH_003	14	15	5200	8450	0.84500003	0.51999998
STCDH_003	15	16	800	1530	0.153	8.00E-02
STCDH_003	16	17	7100	6720	0.67199999	0.70999998
STCDH_003	17	18	11500	33600	3.3599999	1.15
STCDH_003	18	19	9200	27100	2.71	0.92000002
STCDH_003	19	20	9000	55100	5.5100002	0.89999998
STCDH_003	20	21	10600	79200	7.9200001	1.0599999
STCDH_003	21	22	4600	14400	1.4400001	0.46000001
STCDH_003	22	23	10200	22300	2.23	1.02
STCDH_003	23	24	1500	20300	2.03	0.15000001
STCDH_003	24	25	26800	74900	7.4899998	2.6800001
STCDH_003	25	26	12600	43900	4.3899999	1.26
STCDH_003	26	27	500	1610	0.161	5.00E-02
STCDH_003	27	28	1100	1280	0.12800001	0.11
STCDH_003	28	29	1000	1530	0.153	0.1
STCDH_003	29	30	100	1450	0.145	1.00E-02
STCDH_003	30	31.5	-100	1720	0.17200001	-1.00E-02

STCDH_003	31.5	32.360001	-100	4390	0.43900001	-1.00E-02
STCDH_003	32.360001	34	-100	22700	2.27	-1.00E-02
STCDH_003	34	35	-100	11800	1.1799999	-1.00E-02
STCDH_003	35	36	-100	29000	2.9000001	-1.00E-02
STCDH_003	36	37	-100	15000	1.5	-1.00E-02
STCDH_003	37	38	-100	15300	1.53	-1.00E-02
STCDH_003	38	39	-100	22100	2.21	-1.00E-02
STCDH_003	39	40	100	32100	3.21	1.00E-02
STCDH_003	40	41	-100	8600	0.86000001	-1.00E-02
STCDH_003	41	42	-100	4220	0.42199999	-1.00E-02
STCDH_003	42	43	-100	5240	0.52399999	-1.00E-02
STCDH_003	43	44	-100	27700	2.77	-1.00E-02
STCDH_003	44	45	-100	14200	1.42	-1.00E-02
STCDH_003	45	46.5	-100	24400	2.4400001	-1.00E-02
STCDH_003	46.5	47	-100	2950	0.29499999	-1.00E-02
STCDH_003	47	48	-100	10900	1.09	-1.00E-02
STCDH_003	48	49	-100	12100	1.21	-1.00E-02
STCDH_003	49	50	-100	3570	0.35699999	-1.00E-02
STCDH_003	50	51	-100	770	0.077	-1.00E-02
STCDH_003	51	52	-100	6190	0.61900002	-1.00E-02
STCDH_003	52	53	-100	9440	0.94400001	-1.00E-02
STCDH_003	53	54	-100	3830	0.38299999	-1.00E-02
STCDH_003	54	55	-100	13500	1.35	-1.00E-02
STCDH_003	55	56	-100	19400	1.9400001	-1.00E-02
STCDH_003	56	57.5	-100	27100	2.71	-1.00E-02
STCDH_003	57.5	59	-100	28700	2.8699999	-1.00E-02
STCDH_003	59	61.5	-100	10100	1.01	-1.00E-02
STCDH_003	61.5	63	-100	5560	0.55599999	-1.00E-02
STCDH_003	63	64	-100	20000	2	-1.00E-02
STCDH_003	64	65	-100	6190	0.61900002	-1.00E-02
STCDH_003	65	66	-100	7910	0.79100001	-1.00E-02
STCDH_003	66	67	-100	13100	1.3099999	-1.00E-02
STCDH_003	67	68	-100	15100	1.51	-1.00E-02
STCDH_003	68	69	100	27200	2.72	1.00E-02
STCDH_003	69	70	-100	14000	1.4	-1.00E-02
STCDH_003	70	71.120003	-100	2320	0.23199999	-1.00E-02
STCDH_003	71.120003	72	-100	7260	0.72600001	-1.00E-02
STCDH_003	72	73	-100	7500	0.75	-1.00E-02
STCDH_003	73	74	-100	3940	0.39399999	-1.00E-02
STCDH_003	74	75	-100	13800	1.38	-1.00E-02
STCDH_003	75	76	-100	1640	0.164	-1.00E-02
STCDH_003	76	77	-100	7670	0.76700002	-1.00E-02
STCDH_003	77	78	-100	6260	0.62599999	-1.00E-02
STCDH_003	78	79	-100	9460	0.94599998	-1.00E-02
STCDH_003	79	80	-100	4530	0.45300001	-1.00E-02
STCDH_003	80	81	-100	7190	0.71899998	-1.00E-02
STCDH_003	81	82	-100	6810	0.68099999	-1.00E-02
STCDH_003	82	83	-100	5690	0.56900001	-1.00E-02
STCDH_003	83	84	-100	6400	0.63999999	-1.00E-02
STCDH_003	84	85	-100	2890	0.289	-1.00E-02
STCDH_003	85	86	-100	8060	0.80599999	-1.00E-02
STCDH_003	86	87.5	100	34400	3.4400001	1.00E-02
STCDH_003	87.5	89	-100	33800	3.3800001	-1.00E-02
STCDH_003	89	90	-100	30000	3	-1.00E-02
STCDH_003	90	91	-100	26500	2.6500001	-1.00E-02
STCDH_003	91	92	-100	34500	3.45	-1.00E-02
STCDH_003	92	93	-100	12000	1.2	-1.00E-02
STCDH_003	93	94	-100	38000	3.8	-1.00E-02
STCDH_003	94	95	-100	27300	2.73	-1.00E-02
STCDH_003	95	96	-100	17700	1.77	-1.00E-02
STCDH_003	96	97	-100	36500	3.6500001	-1.00E-02
STCDH_003	97	98	-100	26400	2.6400001	-1.00E-02
STCDH_003	98	99	-100	41700	4.1700001	-1.00E-02

STCDH_003	99	100	-100	45100	4.5100002	-1.00E-02
STCDH_003	100	101.4	-100	18400	1.84	-1.00E-02
STCDH_003	101.4	102	-100	58500	5.8499999	-1.00E-02
STCDH_003	102	103	-100	54100	5.4099998	-1.00E-02
STCDH_003	103	104	-100	37200	3.72	-1.00E-02
STCDH_003	104	105	-100	41100	4.1100001	-1.00E-02
STCDH_003	105	106	-100	33700	3.3699999	-1.00E-02
STCDH_003	106	107	-100	29600	2.96	-1.00E-02
STCDH_003	107	108	-100	16600	1.66	-1.00E-02
STCDH_003	108	109	-100	45000	4.5	-1.00E-02
STCDH_003	109	110	-100	42000	4.1999998	-1.00E-02
STCDH_003	110	111	-100	96000	9.6000004	-1.00E-02
STCDH_003	111	112	-100	34200	3.4200001	-1.00E-02
STCDH_003	112	113	-100	42400	4.2399998	-1.00E-02
STCDH_003	113	114	-100	28500	2.8499999	-1.00E-02
STCDH_003	114	115	-100	45300	4.5300002	-1.00E-02
STCDH_003	115	116	-100	61400	6.1399999	-1.00E-02
STCDH_003	116	117	-100	40800	4.0799999	-1.00E-02
STCDH_003	117	118	-100	33900	3.3900001	-1.00E-02
STCDH_003	118	119	-100	26300	2.6300001	-1.00E-02
STCDH_003	119	120	-100	86600	8.6599998	-1.00E-02
STCDH_003	120	121	-100	17700	1.77	-1.00E-02
STCDH_003	121	122	-100	15900	1.59	-1.00E-02
STCDH_003	122	123	-100	22900	2.29	-1.00E-02
STCDH_003	123	124	-100	13700	1.37	-1.00E-02
STCDH_003	124	125	-100	34400	3.4400001	-1.00E-02
STCDH_003	125	126	-100	41200	4.1199999	-1.00E-02
STCDH_003	126	127	-100	39400	3.9400001	-1.00E-02
STCDH_003	127	128	-100	50900	5.0900002	-1.00E-02
STCDH_003	128	129	-100	9070	0.90700001	-1.00E-02
STCDH_003	129	130	-100	26600	2.6600001	-1.00E-02
STCDH_003	130	131	-100	50100	5.0100002	-1.00E-02
STCDH_003	131	132.05	-100	28000	2.8	-1.00E-02
STCDH_003	132.05	133	-100	23700	2.3699999	-1.00E-02
STCDH_003	133	134.08	-100	26700	2.6700001	-1.00E-02
STCDH_003	134.08	135	-100	36600	3.6600001	-1.00E-02
STCDH_003	135	136	-100	25300	2.53	-1.00E-02
STCDH_003	136	137	-100	31400	3.1400001	-1.00E-02
STCDH_003	137	138	-100	24000	2.4000001	-1.00E-02
STCDH_003	138	139	-100	34500	3.45	-1.00E-02
STCDH_003	139	140	-100	28600	2.8599999	-1.00E-02
STCDH_003	140	141	-100	35700	3.5699999	-1.00E-02
STCDH_003	141	142	-100	46100	4.6100001	-1.00E-02
STCDH_003	142	143	-100	7870	0.787	-1.00E-02
STCDH_003	143	144	-100	30500	3.05	-1.00E-02
STCDH_003	144	145	-100	15100	1.51	-1.00E-02
STCDH_003	145	146	-100	46300	4.6300001	-1.00E-02
STCDH_003	146	147	-100	25500	2.55	-1.00E-02
STCDH_003	147	148	-100	33500	3.3499999	-1.00E-02
STCDH_003	148	149	-100	50400	5.04	-1.00E-02
STCDH_003	149	150	-100	18500	1.85	-1.00E-02
STCDH_003	150	151	-100	29200	2.9200001	-1.00E-02
STCDH_003	151	152	100	29700	2.97	1.00E-02
STCDH_003	152	153	-100	32300	3.23	-1.00E-02
STCDH_003	153	154	-100	12100	1.21	-1.00E-02
STCDH_003	154	155.36	-100	18700	1.87	-1.00E-02
STCDH_003	155.36	156	-100	34700	3.47	-1.00E-02
STCDH_003	156	157	-100	38800	3.8800001	-1.00E-02
STCDH_003	157	158	-100	15700	1.5700001	-1.00E-02
STCDH_003	158	159	-100	39000	3.9000001	-1.00E-02
STCDH_003	159	160	-100	39200	3.9200001	-1.00E-02
STCDH_003	160	161	-100	42000	4.1999998	-1.00E-02
STCDH_003	161	162	-100	34000	3.4000001	-1.00E-02

STCDH_003	162	163	-100	32100	3.21	-1.00E-02
STCDH_003	163	164	-100	31300	3.1300001	-1.00E-02
STCDH_003	164	165	-100	31500	3.1500001	-1.00E-02
STCDH_003	165	166	-100	26100	2.6099999	-1.00E-02
STCDH_003	166	167	-100	36600	3.6600001	-1.00E-02
STCDH_003	167	168	-100	22300	2.23	-1.00E-02
STCDH_003	168	169	-100	38900	3.8900001	-1.00E-02
STCDH_003	169	170.12	100	37700	3.77	1.00E-02
STCDH_003	170.12	171	-100	12500	1.25	-1.00E-02
STCDH_003	171	172	-100	21700	2.1700001	-1.00E-02
STCDH_003	172	173	-100	6020	0.602	-1.00E-02
STCDH_003	173	174	-100	9980	0.99800003	-1.00E-02
STCDH_003	174	175	-100	12900	1.29	-1.00E-02
STCDH_003	175	176	-100	9160	0.91600001	-1.00E-02
STCDH_003	176	177	-100	3320	0.33199999	-1.00E-02
STCDH_003	177	178	-100	44200	4.4200001	-1.00E-02
STCDH_003	178	179	-100	42600	4.2600002	-1.00E-02
STCDH_003	179	180	-100	39200	3.9200001	-1.00E-02
STCDH_003	180	181	-100	40900	4.0900002	-1.00E-02
STCDH_003	181	182	-100	46700	4.6700001	-1.00E-02
STCDH_003	182	183	-100	57700	5.77	-1.00E-02
STCDH_003	183	184	-100	47600	4.7600002	-1.00E-02
STCDH_003	184	185	-100	57100	5.71	-1.00E-02
STCDH_003	185	186	-100	47500	4.75	-1.00E-02
STCDH_003	186	187	-100	34300	3.4300001	-1.00E-02
STCDH_003	187	187.56	-100	66200	6.6199999	-1.00E-02
STCDH_003	187.56	188	-100	69900	6.9899998	-1.00E-02
STCDH_003	188	189	-100	80300	8.0299997	-1.00E-02
STCDH_003	189	190	-100	67400	6.7399998	-1.00E-02
STCDH_003	190	191.07001	-100	79300	7.9299998	-1.00E-02
STCDH_003	191.07001	192	-100	47800	4.7800002	-1.00E-02
STCDH_003	192	193	-100	38700	3.8699999	-1.00E-02
STCDH_003	193	194	-100	38300	3.8299999	-1.00E-02
STCDH_003	194	195	-100	32400	3.24	-1.00E-02
STCDH_003	195	196	-100	38000	3.8	-1.00E-02
STCDH_003	196	197	-100	38600	3.8599999	-1.00E-02
STCDH_003	197	198	-100	67900	6.79	-1.00E-02
STCDH_003	198	198.86	-100	65000	6.5	-1.00E-02
STCDH_003	198.86	200.21001	-100	67700	6.77	-1.00E-02
STCDH_003	200.21001	201	-100	60100	6.0100002	-1.00E-02
STCDH_003	201	202	-100	53500	5.3499999	-1.00E-02
STCDH_003	202	202.60001	-100	55700	5.5700002	-1.00E-02
STCDH_003	202.60001	203	-100	29100	2.9100001	-1.00E-02
STCDH_003	203	203.86	-100	26100	2.6099999	-1.00E-02
STCDH_003	203.86	205	-100	59400	5.9400001	-1.00E-02
STCDH_003	205	206	-100	70000	7	-1.00E-02
STCDH_003	206	207	-100	70300	7.0300002	-1.00E-02
STCDH_003	207	208	-100	49300	4.9299998	-1.00E-02
STCDH_003	208	209	-100	52000	5.1999998	-1.00E-02
STCDH_004	0	1	200	27800	2.78	0.02
STCDH_004	1	2	400	59200	5.9200001	4.00E-02
STCDH_004	2	3	200	51400	5.1399999	0.02
STCDH_004	3	4	400	68800	6.8800001	4.00E-02
STCDH_004	4	5	100	22000	2.2	1.00E-02
STCDH_004	5	6	200	16500	1.65	0.02
STCDH_004	6	7	600	27300	2.73	6.00E-02
STCDH_004	7	8	200	19800	1.98	0.02
STCDH_004	8	9	-100	28500	2.8499999	-1.00E-02
STCDH_004	9	10	-100	14700	1.47	-1.00E-02
STCDH_004	10	11	-100	51900	5.1900001	-1.00E-02
STCDH_004	11	12	-100	37100	3.71	-1.00E-02
STCDH_004	12	13	-100	45300	4.5300002	-1.00E-02
STCDH_004	13	14	-100	42500	4.25	-1.00E-02

STCDH_004	14	15	-100	41800	4.1799998	-1.00E-02
STCDH_004	15	16	-100	65600	6.5599999	-1.00E-02
STCDH_004	16	17	-100	47100	4.71	-1.00E-02
STCDH_004	17	18	-100	26500	2.6500001	-1.00E-02
STCDH_004	18	19	-100	31300	3.1300001	-1.00E-02
STCDH_004	19	20	-100	19100	1.91	-1.00E-02
STCDH_004	20	21	-100	19800	1.98	-1.00E-02
STCDH_004	21	22	-100	47700	4.77	-1.00E-02
STCDH_004	22	23	-100	36100	3.6099999	-1.00E-02
STCDH_004	23	24	-100	18500	1.85	-1.00E-02
STCDH_004	24	25	-100	47400	4.7399998	-1.00E-02
STCDH_004	25	25.5	-100	13600	1.36	-1.00E-02
STCDH_004	25.5	26.5	-100	13300	1.33	-1.00E-02
STCDH_004	26.5	28	100	24400	2.4400001	1.00E-02
STCDH_004	28	30	800	34500	3.45	8.00E-02
STCDH_004	30	31	-100	19700	1.97	-1.00E-02
STCDH_004	31	32	100	24100	2.4100001	1.00E-02
STCDH_004	32	33	-100	13500	1.35	-1.00E-02
STCDH_004	33	34.5	-100	15400	1.54	-1.00E-02
STCDH_004	34.5	36	200	30800	3.0799999	0.02
STCDH_004	36	37	-100	28900	2.8900001	-1.00E-02
STCDH_004	37	38	100	10700	1.0700001	1.00E-02
STCDH_004	38	39	-100	31200	3.1199999	-1.00E-02
STCDH_004	39	40.5	-100	48500	4.8499999	-1.00E-02
STCDH_004	40.5	41.5	-100	41600	4.1599998	-1.00E-02
STCDH_004	41.5	42.5	-100	39800	3.98	-1.00E-02
STCDH_004	42.5	43.5	-100	74200	7.4200001	-1.00E-02
STCDH_004	43.5	44	100	250000	25	1.00E-02
STCDH_004	44	45	-100	219000	21.9	-1.00E-02
STCDH_004	45	46	200	103000	10.3	0.02
STCDH_004	46	47	200	150000	15	0.02
STCDH_004	47	48	-100	30500	3.05	-1.00E-02
STCDH_004	48	49	-100	5170	0.51700002	-1.00E-02
STCDH_004	49	50	-100	10800	1.08	-1.00E-02
STCDH_004	50	51	-100	72900	7.29	-1.00E-02
STCDH_004	51	52	-100	62100	6.21	-1.00E-02
STCDH_004	52	53	-100	53900	5.3899999	-1.00E-02
STCDH_004	53	54	-100	36400	3.6400001	-1.00E-02
STCDH_004	54	55	-100	29100	2.9100001	-1.00E-02
STCDH_004	55	56	-100	47700	4.77	-1.00E-02
STCDH_004	56	57	-100	47800	4.7800002	-1.00E-02
STCDH_004	57	58	-100	25900	2.5899999	-1.00E-02
STCDH_004	58	59	-100	19200	1.92	-1.00E-02
STCDH_004	59	60	-100	72600	7.2600002	-1.00E-02
STCDH_004	60	61	-100	76800	7.6799998	-1.00E-02
STCDH_004	61	62	-100	45100	4.5100002	-1.00E-02
STCDH_004	62	63	-100	59300	5.9299998	-1.00E-02
STCDH_004	63	64	-100	36700	3.6700001	-1.00E-02
STCDH_004	64	65	-100	27000	2.7	-1.00E-02
STCDH_004	65	66	200	42800	4.2800002	0.02
STCDH_004	66	67	600	125000	12.5	6.00E-02
STCDH_004	67	68	-100	10100	1.01	-1.00E-02
STCDH_004	68	69.5	-100	14100	1.41	-1.00E-02
STCDH_004	69.5	70.25	100	23600	2.3599999	1.00E-02
STCDH_004	70.25	71	300	60200	6.02	3.00E-02
STCDH_004	71	72	200	81600	8.1599998	0.02
STCDH_004	72	73	200	116000	11.6	0.02
STCDH_004	73	74	300	106000	10.6	3.00E-02
STCDH_004	74	75	-100	48700	4.8699999	-1.00E-02
STCDH_004	75	76.5	200	33300	3.3299999	0.02
STCDH_004	76.5	78	-100	7890	0.78899997	-1.00E-02
STCDH_004	78	79.5	6800	120000	12	0.68000001
STCDH_004	79.5	81	700	65400	6.54	0.07

STCDH_004	81	82	-100	34900	3.49	-1.00E-02
STCDH_004	82	83	-100	33300	3.3299999	-1.00E-02
STCDH_004	83	84	-100	17600	1.76	-1.00E-02
STCDH_004	84	85	-100	26100	2.6099999	-1.00E-02
STCDH_004	85	86	-100	56300	5.6300001	-1.00E-02
STCDH_004	86	87	-100	76000	7.5999999	-1.00E-02
STCDH_004	87	88	-100	67600	6.7600002	-1.00E-02
STCDH_004	88	89	-100	47500	4.75	-1.00E-02
STCDH_004	89	90	-100	125000	12.5	-1.00E-02
STCDH_004	90	91	200	86100	8.6099997	0.02
STCDH_004	91	92	-100	57900	5.79	-1.00E-02
STCDH_004	92	93	-100	58400	5.8400002	-1.00E-02
STCDH_004	93	94	-100	31800	3.1800001	-1.00E-02
STCDH_004	94	95	-100	28600	2.8599999	-1.00E-02
STCDH_004	95	96	-100	22400	2.24	-1.00E-02
STCDH_004	96	97	-100	12800	1.28	-1.00E-02
STCDH_004	97	98	-100	107000	10.7	-1.00E-02
STCDH_004	98	99.5	-100	91800	9.1800003	-1.00E-02
STCDH_004	99.5	101	-100	14400	1.4400001	-1.00E-02
STCDH_004	101	102	-100	11200	1.12	-1.00E-02
STCDH_004	102	103	-100	11400	1.14	-1.00E-02
STCDH_004	103	104	-100	40600	4.0599999	-1.00E-02
STCDH_004	104	105	-100	69900	6.9899998	-1.00E-02
STCDH_004	105	106	-100	77100	7.71	-1.00E-02
STCDH_004	106	107	-100	48200	4.8200002	-1.00E-02
STCDH_004	107	108	-100	77300	7.73	-1.00E-02
STCDH_004	108	109	-100	22000	2.2	-1.00E-02
STCDH_004	109	110	-100	44500	4.4499998	-1.00E-02
STCDH_004	110	111	-100	96900	9.6899996	-1.00E-02
STCDH_004	111	112.5	-100	21300	2.1300001	-1.00E-02
STCDH_004	112.5	113	-100	6820	0.68199998	-1.00E-02
STCDH_004	113	114	-100	35400	3.54	-1.00E-02
STCDH_004	114	115	-100	24400	2.4400001	-1.00E-02
STCDH_004	115	116	-100	8320	0.83200002	-1.00E-02
STCDH_004	116	117	-100	32600	3.26	-1.00E-02
STCDH_004	117	118	-100	21900	2.1900001	-1.00E-02
STCDH_004	118	119	-100	26900	2.6900001	-1.00E-02
STCDH_004	119	120	-100	56900	5.6900001	-1.00E-02
STCDH_004	120	121	-100	36800	3.6800001	-1.00E-02
STCDH_004	121	122	-100	4040	0.40400001	-1.00E-02
STCDH_004	122	123.5	-100	1600	0.16	-1.00E-02
STCDH_004	123.5	124.5	-100	31600	3.1600001	-1.00E-02
STCDH_004	124.5	125.5	-100	39400	3.9400001	-1.00E-02
STCDH_004	125.5	126.5	-100	9910	0.991	-1.00E-02
STCDH_004	126.5	127.5	-100	1590	0.15899999	-1.00E-02
STCDH_004	127.5	129	-100	20800	2.0799999	-1.00E-02
STCDH_004	129	130	100	33600	3.3599999	1.00E-02
STCDH_004	130	131.5	-100	14000	1.4	-1.00E-02
STCDH_004	131.5	133	200	48400	4.8400002	0.02
STCDH_004	133	134.5	100	47000	4.6999998	1.00E-02
STCDH_004	134.5	136	700	49000	4.9000001	0.07
STCDH_004	136	137.5	300	27700	2.77	3.00E-02
STCDH_004	137.5	139	13000	206000	20.6	1.3
STCDH_004	139	140	4500	130000	13	0.44999999
STCDH_004	140	141.5	200	27600	2.76	0.02
STCDH_004	141.5	143	100	20100	2.01	1.00E-02
STCDH_004	143	144	500	38200	3.8199999	5.00E-02
STCDH_004	144	145	13200	97000	9.6999998	1.3200001
STCDH_004	145	146	7700	70000	7	0.76999998
STCDH_004	146	147	10400	65100	6.5100002	1.04
STCDH_004	147	148	9100	45900	4.5900002	0.91000003
STCDH_004	148	149.5	4000	50400	5.04	0.40000001
STCDH_004	149.5	151	4300	69800	6.98	0.43000001

STCDH_004	151	152.5	9500	60700	6.0700002	0.94999999
STCDH_004	152.5	154	500	15500	1.55	5.00E-02
STCDH_004	154	155	1000	1960	0.19599999	0.1
STCDH_004	155	157	200	1330	0.133	0.02
STCDH_006	0	1.25	200	54000	5.4000001	0.02
STCDH_006	1.25	2	100	55900	5.5900002	1.00E-02
STCDH_006	2	3	200	42400	4.2399998	0.02
STCDH_006	3	4	100	45100	4.5100002	1.00E-02
STCDH_006	4	5	200	70100	7.0100002	0.02
STCDH_006	5	6	200	32000	3.2	0.02
STCDH_006	6	7	200	9350	0.935	0.02
STCDH_006	7	8	-100	24600	2.46	-1.00E-02
STCDH_006	8	9	-100	48100	4.8099999	-1.00E-02
STCDH_006	9	10	-100	57700	5.77	-1.00E-02
STCDH_006	10	11	-100	24000	2.4000001	-1.00E-02
STCDH_006	11	12	-100	29500	2.95	-1.00E-02
STCDH_006	12	13	-100	38900	3.8900001	-1.00E-02
STCDH_006	13	14	200	11700	1.17	0.02
STCDH_006	14	15	100	24100	2.4100001	1.00E-02
STCDH_006	15	16	100	42800	4.2800002	1.00E-02
STCDH_006	16	17	200	22700	2.27	0.02
STCDH_006	17	17.700001	200	33500	3.3499999	0.02
STCDH_006	17.700001	19	100	18200	1.8200001	1.00E-02
STCDH_006	19	20	-100	29300	2.9300001	-1.00E-02
STCDH_006	20	21	-100	32700	3.27	-1.00E-02
STCDH_006	21	22	-100	17800	1.78	-1.00E-02
STCDH_006	22	23	600	41000	4.0999999	6.00E-02
STCDH_006	23	24	800	56400	5.6399999	8.00E-02
STCDH_006	24	25	200	34100	3.4100001	0.02
STCDH_006	25	26	100	22200	2.22	1.00E-02
STCDH_006	26	27	200	30300	3.03	0.02
STCDH_006	27	28	300	24200	2.4200001	3.00E-02
STCDH_006	28	29	-100	26500	2.6500001	-1.00E-02
STCDH_006	29	30.5	-100	17100	1.71	-1.00E-02
STCDH_006	30.5	31	-100	34800	3.48	-1.00E-02
STCDH_006	31	32	-100	74100	7.4099998	-1.00E-02
STCDH_006	32	33	-100	56700	5.6700001	-1.00E-02
STCDH_006	33	34	-100	27800	2.78	-1.00E-02
STCDH_006	34	34.700001	-100	17500	1.75	-1.00E-02
STCDH_006	34.700001	36	-100	21800	2.1800001	-1.00E-02
STCDH_006	36	37	200	88800	8.8800001	0.02
STCDH_006	37	38	-100	8000	0.80000001	-1.00E-02
STCDH_006	38	39	-100	8730	0.87300003	-1.00E-02
STCDH_006	39	40.5	-100	2610	0.26100001	-1.00E-02
STCDH_006	40.5	41	100	147000	14.7	1.00E-02
STCDH_006	41	42	600	93000	9.3000002	6.00E-02
STCDH_006	42	43	500	77800	7.7800002	5.00E-02
STCDH_006	43	44	300	62100	6.21	3.00E-02
STCDH_006	44	45	800	100000	10	8.00E-02
STCDH_006	45	46	100	39200	3.9200001	1.00E-02
STCDH_006	46	46.799999	200	61500	6.1500001	0.02
STCDH_006	46.799999	47.799999	-100	16700	1.67	-1.00E-02
STCDH_006	47.799999	48.599998	200	87000	8.6999998	0.02
STCDH_006	48.599998	50	-100	3140	0.31400001	-1.00E-02
STCDH_006	50	51	-100	2490	0.249	-1.00E-02
STCDH_006	51	52	-100	9770	0.977	-1.00E-02
STCDH_006	52	53	1000	158000	15.8	0.1
STCDH_006	53	54	-100	3720	0.37200001	-1.00E-02
STCDH_006	56.5	58	-100	1530	0.153	-1.00E-02
STCDH_006	58	59	-100	5860	0.58600003	-1.00E-02
STCDH_006	59	60	-100	2610	0.26100001	-1.00E-02
STCDH_006	60	61	-100	1130	0.113	-1.00E-02
STCDH_006	61	62	-100	3030	0.303	-1.00E-02

STCDH_006	62	63	-100	1710	0.171	-1.00E-02
STCDH_006	63	64	-100	2920	0.292	-1.00E-02
STCDH_006	64	65	-100	7430	0.74299997	-1.00E-02
STCDH_006	65	66	-100	1260	0.126	-1.00E-02
STCDH_006	66	67	-100	1880	0.18799999	-1.00E-02
STCDH_006	67	68	-100	3710	0.37099999	-1.00E-02
STCDH_006	68	69	-100	50000	5	-1.00E-02
STCDH_006	69	70	100	86300	8.6300001	1.00E-02
STCDH_006	70	71	100	49700	4.9699998	1.00E-02
STCDH_006	71	72	-100	12300	1.23	-1.00E-02
STCDH_006	72	73	200	93800	9.3800001	0.02
STCDH_006	73	74	-100	95900	9.5900002	-1.00E-02
STCDH_006	74	75	500	226000	22.6	5.00E-02
STCDH_006	75	76.5	300	201000	20.1	3.00E-02
STCDH_006	76.5	77	200	102000	10.2	0.02
STCDH_006	77	78	-100	39400	3.9400001	-1.00E-02
STCDH_006	78	79	-100	8770	0.87699997	-1.00E-02
STCDH_006	79	80	-100	37000	3.7	-1.00E-02
STCDH_006	80	81	-100	86400	8.6400003	-1.00E-02
STCDH_006	81	82.5	-100	47600	4.7600002	-1.00E-02
STCDH_006	82.5	84	-100	76000	7.5999999	-1.00E-02
STCDH_006	84	85.5	-100	52300	5.23	-1.00E-02
STCDH_006	85.5	86.5	-100	33800	3.3800001	-1.00E-02
STCDH_006	86.5	87	-100	21500	2.1500001	-1.00E-02
STCDH_006	87	88	-100	45000	4.5	-1.00E-02
STCDH_006	88	89	200	38200	3.8199999	0.02
STCDH_006	89	90	-100	69800	6.98	-1.00E-02
STCDH_006	90	91	-100	41400	4.1399999	-1.00E-02
STCDH_006	91	92	-100	26600	2.6600001	-1.00E-02
STCDH_006	92	93	-100	72600	7.2600002	-1.00E-02
STCDH_006	93	94	-100	9270	0.92699999	-1.00E-02
STCDH_006	94	95	-100	55100	5.5100002	-1.00E-02
STCDH_006	95	96	-100	28900	2.8900001	-1.00E-02
STCDH_006	96	97	-100	27200	2.72	-1.00E-02
STCDH_006	97	98	-100	46300	4.6300001	-1.00E-02
STCDH_006	98	99	-100	18600	1.86	-1.00E-02
STCDH_006	99	100	-100	3470	0.347	-1.00E-02
STCDH_006	100	101	-100	32000	3.2	-1.00E-02
STCDH_006	101	102.5	-100	68400	6.8400002	-1.00E-02
STCDH_006	102.5	104	-100	2760	0.27599999	-1.00E-02
STCDH_006	104	105.5	200	131000	13.1	0.02
STCDH_006	105.5	106.9	500	169000	16.9	5.00E-02
STCDH_006	106.9	108	-100	23800	2.3800001	-1.00E-02
STCDH_006	108	109	-100	51100	5.1100001	-1.00E-02
STCDH_006	109	110	100	109000	10.9	1.00E-02
STCDH_006	110	111	-100	15600	1.5599999	-1.00E-02
STCDH_006	111	112	-100	19100	1.91	-1.00E-02
STCDH_006	112	113	-100	3980	0.398	-1.00E-02
STCDH_006	113	114	-100	2010	0.20100001	-1.00E-02
STCDH_006	114	115	-100	1920	0.192	-1.00E-02
STCDH_006	115	116	-100	3980	0.398	-1.00E-02
STCDH_006	116	117	-100	48100	4.8099999	-1.00E-02
STCDH_006	117	117.5	-100	3140	0.31400001	-1.00E-02
STCDH_006	117.5	118.5	100	99600	9.96	1.00E-02
STCDH_006	118.5	119.5	-100	31600	3.1600001	-1.00E-02
STCDH_006	119.5	120.25	-100	24300	2.4300001	-1.00E-02
STCDH_006	120.25	121	-100	36300	3.6300001	-1.00E-02
STCDH_006	121	122	-100	41900	4.1900001	-1.00E-02
STCDH_006	122	123	-100	20700	2.0699999	-1.00E-02
STCDH_006	123	124	-100	8240	0.824	-1.00E-02
STCDH_006	124	125	-100	2180	0.21799999	-1.00E-02
STCDH_006	125	126	-100	7100	0.70999998	-1.00E-02
STCDH_006	126	127	-100	91500	9.1499996	-1.00E-02

STCDH_006	127	128	-100	18700	1.87	-1.00E-02
STCDH_006	128	129	-100	3320	0.33199999	-1.00E-02
STCDH_006	129	130	-100	6470	0.64700001	-1.00E-02
STCDH_006	130	131	-100	26400	2.6400001	-1.00E-02
STCDH_006	131	132	-100	16000	1.6	-1.00E-02
STCDH_006	132	133	-100	30300	3.03	-1.00E-02
STCDH_006	133	134	-100	7220	0.722	-1.00E-02
STCDH_006	134	135.2	-100	12400	1.24	-1.00E-02
STCDH_006	135.2	136.60001	-100	5840	0.58399999	-1.00E-02
STCDH_006	136.60001	138	-100	39000	3.9000001	-1.00E-02
STCDH_006	138	139.5	100	49600	4.96	1.00E-02
STCDH_006	139.5	141	1100	33300	3.3299999	0.11
STCDH_006	141	143	800	38300	3.8299999	8.00E-02
STCDH_006	143	144	300	31800	3.1800001	3.00E-02
STCDH_006	144	146	1100	53000	5.3000002	0.11
STCDH_006	146	147	700	59700	5.9699998	0.07
STCDH_006	147	148	15500	49900	4.9899998	1.55
STCDH_006	148	149	1800	31100	3.1099999	0.18000001
STCDH_006	149	150	200	56400	5.6399999	0.02
STCDH_006	150	151	200	58800	5.8800001	0.02
STCDH_009	0	1	4200	14000	1.4	0.41999999
STCDH_009	1	2	4900	80700	8.0699997	0.49000001
STCDH_009	2	3	3900	97200	9.7200003	0.38999999
STCDH_009	3	4	6900	97300	9.7299995	0.69
STCDH_009	4	5	5500	61000	6.0999999	0.55000001
STCDH_009	5	6	4500	64400	6.4400001	0.44999999
STCDH_009	6	7	5300	47100	4.71	0.52999997
STCDH_009	7	8	1900	36600	3.6600001	0.19
STCDH_009	8	9	2500	27800	2.78	0.25
STCDH_009	9	10	700	28400	2.8399999	0.07
STCDH_009	10	11	1800	32800	3.28	0.18000001
STCDH_009	11	12	5800	24000	2.4000001	0.57999998
STCDH_009	12	13	3800	11900	1.1900001	0.38
STCDH_009	13	13.5	5800	19600	1.96	0.57999998
STCDH_009	13.5	14.5	19400	57400	5.7399998	1.9400001
STCDH_009	14.5	16	4900	15100	1.51	0.49000001
STCDH_009	16	18	2500	50300	5.0300002	0.25
STCDH_009	18	19.5	2100	153000	15.3	0.20999999
STCDH_009	21	23	6200	395000	39.5	0.62
STCDH_009	23	24	9200	345000	34.5	0.92000002
STCDH_009	25.5	26.5	2800	344000	34.400002	0.28
STCDH_009	26.549999	27.5	7300	171000	17.1	0.73000002
STCDH_009	27.5	28.5	2400	126000	12.6	0.23999999
STCDH_009	30	31	5300	139000	13.9	0.52999997
STCDH_009	31	31.5	25200	120000	12	2.52
STCDH_009	31.5	33	6300	144000	14.4	0.63
STCDH_009	36	37	13800	42100	4.21	1.38
STCDH_009	37	38	6800	85000	8.5	0.68000001
STCDH_009	38	39	11500	158000	15.8	1.15
STCDH_009	39	40.299999	900	45500	4.5500002	9.00E-02
STCDH_009	40.299999	41.220001	600	15300	1.53	6.00E-02
STCDH_009	41.220001	42	1500	51600	5.1599998	0.15000001
STCDH_009	43.5	44.5	1000	44300	4.4299998	0.1
STCDH_009	44.5	45.5	1800	36700	3.6700001	0.18000001
STCDH_009	45.5	46.5	1300	12000	1.2	0.13
STCDH_009	46.5	47.5	1000	17500	1.75	0.1
STCDH_009	47.5	48	2900	30300	3.03	0.28999999
STCDH_009	48	49	900	37400	3.74	9.00E-02
STCDH_009	49	50	600	18500	1.85	6.00E-02
STCDH_009	50	51	1300	31400	3.1400001	0.13
STCDH_009	51	52	1300	25400	2.54	0.13
STCDH_009	52	53	300	22100	2.21	3.00E-02
STCDH_009	53	54	1900	35700	3.5699999	0.19

STCDH_009	54	55	700	17900	1.79	0.07
STCDH_009	55	56	200	23700	2.3699999	0.02
STCDH_009	56	57	200	24400	2.4400001	0.02
STCDH_009	57	58	200	11400	1.14	0.02
STCDH_009	58	59	200	13900	1.39	0.02
STCDH_009	59	60	2400	14100	1.41	0.23999999
STCDH_009	60	61	400	7200	0.72000003	4.00E-02
STCDH_009	61	62	200	11800	1.1799999	0.02
STCDH_009	62	63	-100	4650	0.465	-1.00E-02
STCDH_009	63	64	300	32600	3.26	3.00E-02
STCDH_009	64	65	400	21500	2.1500001	4.00E-02
STCDH_009	65	66	100	21700	2.1700001	1.00E-02
STCDH_009	66	67	100	16700	1.67	1.00E-02
STCDH_009	67	69	-100	15400	1.54	-1.00E-02
STCDH_009	69	70	-100	55000	5.5	-1.00E-02
STCDH_009	70	71	2500	28700	2.8699999	0.25
STCDH_009	71	72	3000	67000	6.6999998	0.30000001
STCDH_009	72	73.800003	2400	75000	7.5	0.23999999
STCDH_009	73.800003	74.5	-100	3600	0.36000001	-1.00E-02
STCDH_009	74.5	75.5	-100	4840	0.484	-1.00E-02
STCDH_009	75.5	76.5	-100	3560	0.35600001	-1.00E-02
STCDH_009	76.5	77.370003	5600	27700	2.77	0.56
STCDH_009	77.370003	78	6800	32100	3.21	0.68000001
STCDH_009	78	79	3100	19600	1.96	0.31
STCDH_009	79	80	2600	17400	1.74	0.25999999
STCDH_009	80	81	3400	29300	2.9300001	0.34
STCDH_009	81	82	4800	13400	1.34	0.47999999
STCDH_009	82	83	400	3470	0.347	4.00E-02
STCDH_009	83	84	200	3320	0.33199999	0.02
STCDH_009	84	85	200	2910	0.29100001	0.02
STCDH_009	85	86	2100	5900	0.58999997	0.20999999
STCDH_009	86	87	2200	6930	0.69300002	0.22
STCDH_009	87	88	400	9340	0.93400002	4.00E-02
STCDH_009	88	88.400002	200	8560	0.85600001	0.02
STCDH_009	88.400002	89	200	31200	3.1199999	0.02
STCDH_009	89	90	300	25300	2.53	3.00E-02
STCDH_009	90	91	400	14000	1.4	4.00E-02
STCDH_009	91	92	400	15700	1.5700001	4.00E-02
STCDH_009	92	93	600	14200	1.42	6.00E-02
STCDH_009	93	94	900	5440	0.54400003	9.00E-02
STCDH_009	94	95	500	22500	2.25	5.00E-02
STCDH_009	95	96	100	16600	1.66	1.00E-02
STCDH_009	96	97	100	31800	3.1800001	1.00E-02
STCDH_009	97	98	100	21800	2.1800001	1.00E-02
STCDH_009	98	99	100	33200	3.3199999	1.00E-02
STCDH_009	99	100	-100	32900	3.29	-1.00E-02
STCDH_009	100	101	100	52100	5.21	1.00E-02
STCDH_009	101	102	200	72300	7.23	0.02
STCDH_009	102	103.5	-100	18000	1.8	-1.00E-02
STCDH_009	103.5	104.1	-100	15600	1.5599999	-1.00E-02
STCDH_009	104.1	105	-100	-10	-0.001	-1.00E-02
STCDH_009	105	106	-100	-10	-0.001	-1.00E-02
STCDH_009	106	107	-100	-10	-0.001	-1.00E-02
STCDH_009	107	108	200	20300	2.03	0.02
STCDH_009	108	109	-100	-10	-0.001	-1.00E-02
STCDH_009	109	110	100	15700	1.5700001	1.00E-02
STCDH_009	110	111	100	29300	2.9300001	1.00E-02
STCDH_009	111	112	-100	-10	-0.001	-1.00E-02
STCDH_009	112	113	-100	12600	1.26	-1.00E-02
STCDH_009	113	114	-100	19400	1.9400001	-1.00E-02
STCDH_009	114	115	-100	24700	2.47	-1.00E-02
STCDH_009	115	116	-100	50000	5	-1.00E-02
STCDH_009	116	117	-100	45900	4.5900002	-1.00E-02

STCDH_009	117	118	-100	37000	3.7	-1.00E-02
STCDH_009	118	119	-100	29300	2.9300001	-1.00E-02
STCDH_009	119	120	-100	35000	3.5	-1.00E-02
STCDH_009	120	121	-100	63200	6.3200002	-1.00E-02
STCDH_009	121	122	-100	18800	1.88	-1.00E-02
STCDH_009	122	123	-100	16900	1.6900001	-1.00E-02
STCDH_009	123	124	100	-10	-0.001	1.00E-02
STCDH_009	124	125	-100	-10	-0.001	-1.00E-02
STCDH_009	125	126	100	15100	1.51	1.00E-02
STCDH_009	126	127	-100	19300	1.9299999	-1.00E-02
STCDH_009	127	128	-100	27400	2.74	-1.00E-02
STCDH_009	128	129	-100	16800	1.6799999	-1.00E-02
STCDH_009	129	130	-100	28800	2.8800001	-1.00E-02
STCDH_009	130	131	100	45800	4.5799999	1.00E-02
STCDH_009	131	132	-100	28100	2.8099999	-1.00E-02
STCDH_009	132	133	-100	20000	2	-1.00E-02
STCDH_009	133	134	-100	21100	2.1099999	-1.00E-02
STCDH_009	134	135	-100	31700	3.1700001	-1.00E-02
STCDH_009	135	136	-100	95400	9.54	-1.00E-02
STCDH_009	136	137	-100	35800	3.5799999	-1.00E-02
STCDH_009	137	138	-100	17200	1.72	-1.00E-02
STCDH_009	138	139	-100	31400	3.1400001	-1.00E-02
STCDH_009	139	140	-100	17900	1.79	-1.00E-02
STCDH_009	140	141	-100	56000	5.5999999	-1.00E-02
STCDH_009	141	142	-100	37400	3.74	-1.00E-02
STCDH_009	142	143	-100	30700	3.0699999	-1.00E-02
STCDH_009	143	144	-100	18300	1.83	-1.00E-02
STCDH_009	144	145	-100	20000	2	-1.00E-02
STCDH_009	145	146	-100	25000	2.5	-1.00E-02
STCDH_009	146	147.25	-100	25200	2.52	-1.00E-02
STCDH_009	147.25	148	-100	16300	1.63	-1.00E-02
STCDH_009	148	149	-100	13000	1.3	-1.00E-02
STCDH_009	149	150	-100	24300	2.4300001	-1.00E-02
STCDH_009	150	151	-100	-10	-0.001	-1.00E-02
STCDH_009	151	151.75	-100	-10	-0.001	-1.00E-02
STCDH_009	151.75	152.39999	-100	11300	1.13	-1.00E-02
STCDH_009	152.39999	153	-100	19000	1.9	-1.00E-02
STCDH_009	153	154	-100	-10	-0.001	-1.00E-02
STCDH_009	154	155	-100	-10	-0.001	-1.00E-02
STCDH_009	155	156	200	-10	-0.001	0.02
STCDH_009	156	157	-100	-10	-0.001	-1.00E-02
STCDH_009	157	158	-100	-10	-0.001	-1.00E-02
STCDH_009	158	159	-100	-10	-0.001	-1.00E-02
STCDH_009	159	160	-100	-10	-0.001	-1.00E-02
STCDH_009	160	161	-100	-10	-0.001	-1.00E-02
STCDH_009	161	162	-100	-10	-0.001	-1.00E-02
STCDH_009	162	163	-100	-10	-0.001	-1.00E-02
STCDH_009	163	164	-100	-10	-0.001	-1.00E-02
STCDH_009	164	165	-100	-10	-0.001	-1.00E-02
STCDH_009	165	166	-100	-10	-0.001	-1.00E-02
STCDH_009	166	167	-100	-10	-0.001	-1.00E-02
STCDH_009	167	168	-100	-10	-0.001	-1.00E-02
STCDH_009	168	169	-100	-10	-0.001	-1.00E-02
STCDH_009	169	170	-100	-10	-0.001	-1.00E-02
STCDH_009	170	171	-100	-10	-0.001	-1.00E-02
STCDH_009	171	172	-100	-10	-0.001	-1.00E-02
STCDH_009	172	173	-100	-10	-0.001	-1.00E-02
STCDH_009	173	174	-100	-10	-0.001	-1.00E-02
STCDH_009	174	175	-100	-10	-0.001	-1.00E-02
STCDH_009	175	176	-100	-10	-0.001	-1.00E-02
STCDH_009	176	177	-100	-10	-0.001	-1.00E-02
STCDH_009	177	178	-100	-10	-0.001	-1.00E-02
STCDH_009	178	179	-100	-10	-0.001	-1.00E-02

STCDH_009	179	180	-100	-10	-0.001	-1.00E-02
STCDH_009	180	181	-100	-10	-0.001	-1.00E-02
STCDH_009	181	182	-100	3440	0.34400001	-1.00E-02
STCDH_009	182	183	-100	13900	1.39	-1.00E-02
STCDH_009	183	183.7	-100	17100	1.71	-1.00E-02
STCDH_009	183.7	184.5	-100	20900	2.0899999	-1.00E-02
STCDH_009	184.5	185	-100	21800	2.1800001	-1.00E-02
STCDH_009	185	186	-100	15800	1.58	-1.00E-02
STCDH_009	186	187	-100	18000	1.8	-1.00E-02
STCDH_009	187	188	-100	9140	0.91399997	-1.00E-02
STCDH_009	188	189	-100	27700	2.77	-1.00E-02
STCDH_009	189	190	-100	43500	4.3499999	-1.00E-02
STCDH_009	190	191	-100	17200	1.72	-1.00E-02
STCDH_009	191	192	-100	17300	1.73	-1.00E-02
STCDH_009	192	193	-100	23500	2.3499999	-1.00E-02
STCDH_009	193	194	-100	13900	1.39	-1.00E-02
STCDH_009	194	195	-100	21000	2.0999999	-1.00E-02
STCDH_009	195	196	-100	53800	5.3800001	-1.00E-02
STCDH_009	196	197	-100	14000	1.4	-1.00E-02
STCDH_009	197	198	-100	48800	4.8800001	-1.00E-02
STCDH_009	198	199	-100	23300	2.3299999	-1.00E-02
STCDH_009	199	200	-100	28400	2.8399999	-1.00E-02
STCDH_009	200	201	-100	27200	2.72	-1.00E-02
STCDH_009	201	202	-100	37500	3.75	-1.00E-02
STCDH_009	202	203	-100	30700	3.0699999	-1.00E-02
STCDH_009	203	204	-100	41000	4.0999999	-1.00E-02
STCDH_009	204	205	-100	37700	3.77	-1.00E-02
STCDH_009	205	206	-100	32500	3.25	-1.00E-02
STCDH_009	206	207	-100	39200	3.9200001	-1.00E-02
STCDH_009	207	208.23	-100	55700	5.5700002	-1.00E-02
STCDH_009	208.23	209.23	-100	8380	0.838	-1.00E-02
STCDH_009	209.23	210.33	-100	12900	1.29	-1.00E-02
STCDH_009	210.33	211.25	200	51300	5.1300001	0.02
STCDH_009	211.25	212.5	-100	18300	1.83	-1.00E-02
STCDH_009	212.5	214	-100	21700	2.1700001	-1.00E-02
STCDH_009	214	215	-100	32800	3.28	-1.00E-02
STCDH_009	215	216	-100	17300	1.73	-1.00E-02
STCDH_009	216	217	-100	21500	2.1500001	-1.00E-02
STCDH_009	217	217.5	-100	39600	3.96	-1.00E-02
STCDH_009	217.5	218.8	-100	22200	2.22	-1.00E-02
STCDH_009	218.8	220	-100	29500	2.95	-1.00E-02
STCDH_009	220	221	-100	11900	1.1900001	-1.00E-02
STCDH_009	221	222	-100	26100	2.6099999	-1.00E-02
STCDH_009	222	223	-100	20200	2.02	-1.00E-02
STCDH_009	223	224	-100	22400	2.24	-1.00E-02
STCDH_009	224	225	-100	26300	2.6300001	-1.00E-02
STCDH_009	225	226	-100	26300	2.6300001	-1.00E-02
STCDH_009	226	227	-100	24500	2.45	-1.00E-02
STCDH_009	227	228	-100	21800	2.1800001	-1.00E-02
STCDH_009	228	229	-100	41400	4.1399999	-1.00E-02
STCDH_009	230	231	-100	16400	1.64	-1.00E-02
STCDH_009	231	234	-100	19900	1.99	-1.00E-02
STCDH_009	237	238	-100	6810	0.68099999	-1.00E-02
STCDH_009	238	239	-100	29.200001	2.92E-03	-1.00E-02
STCDH_009	239	240	-100	59.599998	5.96E-03	-1.00E-02
STCDH_009	240	240.60001	200	65300	6.5300002	0.02
STCDH_009	240.60001	242	-100	108	0.0108	-1.00E-02
STCDH_009	242	243	-100	179	1.79E-02	-1.00E-02
STCDH_009	243	244	-100	233	0.0233	-1.00E-02
STCDH_009	244	245	-100	140	0.014	-1.00E-02
STCDH_009	245	246	-100	128	0.0128	-1.00E-02
STCDH_009	246	247.5	-100	112	0.0112	-1.00E-02
STCDH_009	247.5	249	-100	69.300003	6.93E-03	-1.00E-02

STCDH_009	249	250.5	-100	112	0.0112	-1.00E-02
STCDH_009	250.5	252	-100	87.199997	8.72E-03	-1.00E-02
STCDH_012	0	1		72800	7.2800002	
STCDH_012	1	2		57400	5.7399998	
STCDH_012	2	3		78500	7.8499999	
STCDH_012	3	4		53300	5.3299999	
STCDH_012	4	5		116000	11.6	
STCDH_012	5	6.3499999		101000	10.1	
STCDH_012	6.3540001	7		144000	14.4	
STCDH_012	7	8		115000	11.5	
STCDH_012	8	9		119000	11.9	
STCDH_012	9	10		29600	2.96	
STCDH_012	10	11		79100	7.9099998	
STCDH_012	11	12.25		55500	5.5500002	
STCDH_012	12.25	13		57000	5.6999998	
STCDH_012	13	14		16700	1.67	
STCDH_012	14	15		11500	1.15	
STCDH_012	15	16		30400	3.04	
STCDH_012	16	17		36200	3.6199999	
STCDH_012	17	18		55100	5.5100002	
STCDH_012	18	19		32200	3.22	
STCDH_012	19	20		35300	3.53	
STCDH_012	20	21		44800	4.48	
STCDH_012	21	22		30800	3.0799999	
STCDH_012	22	23		34800	3.48	
STCDH_012	23	24		27300	2.73	
STCDH_012	24	25		48200	4.8200002	
STCDH_012	25	26		58000	5.8000002	
STCDH_012	26	27		60200	6.02	
STCDH_012	27	28		29700	2.97	
STCDH_012	28	29		28400	2.8399999	
STCDH_012	29	30		21400	2.1400001	
STCDH_012	30	31		50800	5.0799999	
STCDH_012	31	32		58300	5.8299999	
STCDH_012	32	33		20800	2.0799999	
STCDH_012	33	34		27500	2.75	
STCDH_012	34	35		29500	2.95	
STCDH_012	35	36		38300	3.8299999	
STCDH_012	36	37		24400	2.4400001	
STCDH_012	37	38		35700	3.5699999	
STCDH_012	38	39.5		31000	3.0999999	
STCDH_012	40	41		32600	3.26	
STCDH_012	41	42		35100	3.51	
STCDH_012	42	43		35900	3.5899999	
STCDH_012	43	44		40800	4.0799999	
STCDH_012	44	45		29500	2.95	
STCDH_012	45	46		21800	2.1800001	
STCDH_012	46	47		37200	3.72	
STCDH_012	47	48		31000	3.0999999	
STCDH_012	48	49		19100	1.91	
STCDH_012	49	50		23200	2.3199999	
STCDH_012	50	51		27800	2.78	
STCDH_012	51	52		28700	2.8699999	
STCDH_012	52	53		19900	1.99	
STCDH_012	53	54		36300	3.6300001	
STCDH_012	54	55		22100	2.21	
STCDH_012	55	56		13300	1.33	
STCDH_012	56	56.459999		13400	1.34	
STCDH_012	56.459999	58		19100	1.91	
STCDH_012	58	59		19200	1.92	
STCDH_012	59	60		40500	4.0500002	
STCDH_012	60	61		56200	5.6199999	
STCDH_012	61	62		26200	2.6199999	

STCDH_012	62	63		19900	1.99	
STCDH_012	63	64		27600	2.76	
STCDH_012	64	65		25200	2.52	
STCDH_012	65	66		26800	2.6800001	
STCDH_012	66	67		22700	2.27	
STCDH_012	67	68		8250	0.82499999	
STCDH_012	68	69		5020	0.50199997	
STCDH_012	69	70.5		32700	3.27	
STCDH_012	70.5	72		18000	1.8	
STCDH_012	72	73		24800	2.48	
STCDH_012	73	74		22400	2.24	
STCDH_012	74	75.300003		22200	2.22	
STCDH_012	75.300003	76		21400	2.1400001	
STCDH_012	76	77		8980	0.898	
STCDH_012	77	78		13100	1.3099999	
STCDH_012	78	79		16600	1.66	
STCDH_012	79	80		28000	2.8	
STCDH_012	80	81		41700	4.1700001	
STCDH_012	81	82		65600	6.5599999	
STCDH_012	82	83		30100	3.01	
STCDH_012	83	84.5		34600	3.46	
STCDH_012	84.5	85.5		36500	3.6500001	
STCDH_012	85.5	86.5		27400	2.74	
STCDH_012	86.5	87.5		30300	3.03	
STCDH_012	87.5	88.5		25900	2.5899999	
STCDH_012	88.5	89.300003	-100	34500	3.45	-1.00E-02
STCDH_012	89.300003	90	-100	30300	3.03	-1.00E-02
STCDH_012	90	91	-100	10900	1.09	-1.00E-02
STCDH_012	91	92	-100	13000	1.3	-1.00E-02
STCDH_012	92	92.699997	-100	26200	2.6199999	-1.00E-02
STCDH_012	92.699997	94	100	41100	4.1100001	1.00E-02
STCDH_012	94	95	-100	30900	3.0899999	-1.00E-02
STCDH_012	95	96	-100	42700	4.27	-1.00E-02
STCDH_012	96	96.720001	100	42100	4.21	1.00E-02
STCDH_012	96.720001	98	-100	50900	5.0900002	-1.00E-02
STCDH_012	98	99	-100	51000	5.0999999	-1.00E-02
STCDH_012	99	100	-100	51100	5.1100001	-1.00E-02
STCDH_012	100	100.7	-100	29500	2.95	-1.00E-02
STCDH_012	100.7	102	300	106000	10.6	3.00E-02
STCDH_012	102	103	300	68600	6.8600001	3.00E-02
STCDH_012	103	104	200	49500	4.9499998	0.02
STCDH_012	104	105	300	38600	3.8599999	3.00E-02
STCDH_012	105	106	-100	3420	0.34200001	-1.00E-02
STCDH_012	106	107.5	300	10700	1.0700001	3.00E-02
STCDH_012	107.5	109	400	54100	5.4099998	4.00E-02
STCDH_012	109	110	1000	132000	13.2	0.1
STCDH_012	110	111	1100	84800	8.4799995	0.11
STCDH_012	111	112	700	49200	4.9200001	0.07
STCDH_012	112	113	500	52000	5.1999998	5.00E-02
STCDH_012	113	114.5	300	25200	2.52	3.00E-02
STCDH_012	114.5	115.5	400	22900	2.29	4.00E-02
STCDH_012	115.5	116	100	7870	0.787	1.00E-02
STCDH_012	116	117	200	64200	6.4200001	0.02
STCDH_012	117	117.8	-100	36500	3.6500001	-1.00E-02
STCDH_012	117.8	119	-100	31400	3.1400001	-1.00E-02
STCDH_012	119	120	-100	34600	3.46	-1.00E-02
STCDH_012	120	121	-100	9860	0.986	-1.00E-02
STCDH_012	121	122	200	32500	3.25	0.02
STCDH_012	122	123.5	200	54400	5.4400001	0.02
STCDH_012	126.5	127.5	900	43900	4.3899999	9.00E-02
STCDH_012	127.5	128.89999	1300	67600	6.7600002	0.13
STCDH_012	128.89999	130	-100	3800	0.38	-1.00E-02
STCDH_012	130	131	-100	47600	4.7600002	-1.00E-02

STCDH_012	131	132	-100	13600	1.36	-1.00E-02
STCDH_012	132	133	-100	22400	2.24	-1.00E-02
STCDH_012	133	134	-100	71100	7.1100001	-1.00E-02
STCDH_012	134	135	-100	34800	3.48	-1.00E-02
STCDH_012	135	136	-100	19100	1.91	-1.00E-02
STCDH_012	136	137	-100	17400	1.74	-1.00E-02
STCDH_012	137	138	-100	15200	1.52	-1.00E-02
STCDH_012	138	139	-100	39500	3.95	-1.00E-02
STCDH_012	139	140	-100	37600	3.76	-1.00E-02
STCDH_012	140	141	-100	23200	2.3199999	-1.00E-02
STCDH_012	141	142	-100	54400	5.4400001	-1.00E-02
STCDH_012	142	143	-100	41800	4.1799998	-1.00E-02
STCDH_012	143	144	-100	26200	2.6199999	-1.00E-02
STCDH_012	144	145	-100	35400	3.54	-1.00E-02
STCDH_012	145	146	-100	39100	3.9100001	-1.00E-02
STCDH_012	146	146.45	-100	28100	2.8099999	-1.00E-02
STCDH_012	146.45	147.5	-100	19200	1.92	-1.00E-02
STCDH_012	147.5	148	-100	18000	1.8	-1.00E-02
STCDH_012	148	149	-100	5860	0.58600003	-1.00E-02
STCDH_012	149	150	-100	8080	0.80800003	-1.00E-02
STCDH_012	150	151	-100	2290	0.229	-1.00E-02
STCDH_012	151	152	-100	3860	0.38600001	-1.00E-02
STCDH_012	152	153	-100	12000	1.2	-1.00E-02
STCDH_012	153	154	-100	15100	1.51	-1.00E-02
STCDH_012	154	155	-100	25100	2.51	-1.00E-02
STCDH_012	155	156	-100	23300	2.3299999	-1.00E-02
STCDH_012	156	157	-100	27800	2.78	-1.00E-02
STCDH_012	157	158	-100	20100	2.01	-1.00E-02
STCDH_012	158	159	-100	28000	2.8	-1.00E-02
STCDH_012	159	160	-100	36200	3.6199999	-1.00E-02
STCDH_012	160	161	-100	22500	2.25	-1.00E-02
STCDH_012	161	162	-100	38400	3.8399999	-1.00E-02
STCDH_012	162	163	-100	38400	3.8399999	-1.00E-02
STCDH_012	163	164	-100	47000	4.6999998	-1.00E-02
STCDH_012	164	164.89999	-100	55600	5.5599999	-1.00E-02
STCDH_012	164.89999	166	-100	49900	4.9899998	-1.00E-02
STCDH_012	166	167	-100	49300	4.9299998	-1.00E-02
STCDH_012	167	168	-100	40200	4.02	-1.00E-02
STCDH_012	168	168.46001	-100	35600	3.5599999	-1.00E-02
STCDH_012	168.46001	169.39999	-100	35900	3.5899999	-1.00E-02
STCDH_012	169.39999	170	-100	16700	1.67	-1.00E-02
STCDH_012	170	171	-100	16700	1.67	-1.00E-02
STCDH_012	171	172	100	26600	2.6600001	1.00E-02
STCDH_012	172	173	-100	30500	3.05	-1.00E-02
STCDH_012	173	174	-100	28200	2.8199999	-1.00E-02
STCDH_012	174	175	-100	19700	1.97	-1.00E-02
STCDH_012	175	176	-100	11800	1.1799999	-1.00E-02
STCDH_012	176	177	-100	12800	1.28	-1.00E-02
STCDH_012	177	178	-100	19400	1.9400001	-1.00E-02
STCDH_012	178	179	-100	7780	0.778	-1.00E-02
STCDH_012	179	180	-100	2900	0.28999999	-1.00E-02
STCDH_012	180	181.3	-100	3220	0.322	-1.00E-02
STCDH_012	181.3	182	-100	4260	0.426	-1.00E-02
STCDH_012	182	183	-100	3120	0.31200001	-1.00E-02
STCDH_012	183	184	-100	13600	1.36	-1.00E-02
STCDH_012	184	185	-100	7180	0.71799999	-1.00E-02
STCDH_012	185	185.55	-100	2210	0.221	-1.00E-02
STCDH_012	185.55	186.10001	-100	811	8.11E-02	-1.00E-02
STCDH_012	186.10001	187	-100	33.5	3.35E-03	-1.00E-02
STCDH_012	187	188	-100	153	0.0153	-1.00E-02
STCDH_012	188	189	-100	126	0.0126	-1.00E-02
STCDH_012	189	190	-100	190	1.90E-02	-1.00E-02
STCDH_012	190	191	-100	43	4.30E-03	-1.00E-02

STCDH_012	191	192	-100	39	3.90E-03	-1.00E-02
STCDH_012	192	192.5	-100	32.599998	3.26E-03	-1.00E-02
STCDH_012	192.5	193.5	-100	89.400002	8.94E-03	-1.00E-02
STCDH_012	193.5	194.60001	-100	1340	0.134	-1.00E-02
STCDH_012	194.60001	195	-100	90.800003	9.08E-03	-1.00E-02
STCDH_012	195	196	-100	364	3.64E-02	-1.00E-02
STCDH_012	196	197	-100	30.6	0.00306	-1.00E-02
STCDH_012	197	198	-100	25.799999	2.58E-03	-1.00E-02
STCDH_012	198	199	-100	18.6	1.86E-03	-1.00E-02
STCDH_012	199	200	-100	25.6	2.56E-03	-1.00E-02
STCDH_012	200	201	-100	62.5	6.25E-03	-1.00E-02
STCDH_012	201	202	-100	146	0.0146	-1.00E-02
STCDH_012	202	203	-100	41.299999	4.13E-03	-1.00E-02
STCDH_012	203	204	-100	12.1	0.00121	-1.00E-02
STCDH_012	204	205	-100	15.1	1.51E-03	-1.00E-02
STCDH_012	205	206	-100	16.1	0.00161	-1.00E-02
STCDH_012	206	207	-100	32.200001	3.22E-03	-1.00E-02
STCDH_012	207	208	-100	25.9	2.59E-03	-1.00E-02
STCDH_012	208	209	-100	30.700001	3.07E-03	-1.00E-02
STCDH_012	209	210	-100	37.400002	3.74E-03	-1.00E-02
STCDH_013	0	1.5		138	0.0138	
STCDH_013	1.5	2		207000	20.700001	
STCDH_013	2	3		237000	23.700001	
STCDH_013	3	4		207000	20.700001	
STCDH_013	4	5		250000	25	
STCDH_013	5	6		163	0.0163	
STCDH_013	6	7.5		-0.5	-5.00E-05	
STCDH_013	15	17		160000	16	
STCDH_013	17	17.5		49300	4.9299998	
STCDH_013	17.5	18.5		24700	2.47	
STCDH_013	18.5	20		37400	3.74	
STCDH_013	20	21.5		0.60000002	6.00E-05	
STCDH_013	21.5	23		-0.5	-5.00E-05	
STCDH_013	23	24.5		9100	0.91000003	
STCDH_013	24.5	25.5		153	0.0153	
STCDH_013	25.5	26		8190	0.81900001	
STCDH_013	26	27		20100	2.01	
STCDH_013	27	28		23400	2.3399999	
STCDH_013	28	29		9880	0.98799998	
STCDH_013	29	30		33600	3.3599999	
STCDH_013	30	31		57000	5.6999998	
STCDH_013	31	32		76300	7.6300001	
STCDH_013	32	33		47000	4.6999998	
STCDH_013	34.5	36		63000	6.3000002	
STCDH_013	40.5	42		275000	27.5	
STCDH_013	42	44		12200	1.22	
STCDH_013	44	45		5490	0.54900002	
STCDH_013	45	46		13500	1.35	
STCDH_013	46	47		7370	0.73699999	
STCDH_013	47	47.650002		1910	0.191	
STCDH_013	49.450001	50.400002		81500	8.1499996	
STCDH_013	50.400002	51		26400	2.6400001	
STCDH_013	51	52.5		14000	1.4	
STCDH_013	52.5	54		7850	0.78500003	
STCDH_013	54	55		7910	0.79100001	
STCDH_013	55	56		8990	0.89899999	
STCDH_013	56	57		8870	0.88700002	
STCDH_013	57	58		6090	0.60900003	
STCDH_013	58	59		24400	2.4400001	
STCDH_013	59	60		33800	3.3800001	
STCDH_013	60	61		24000	2.4000001	
STCDH_013	61	62		11800	1.1799999	
STCDH_013	62	63		2800	0.28	

STCDH_013	63	64	3480	0.34799999
STCDH_013	64	65	9040	0.90399998
STCDH_013	65	66	25500	2.55
STCDH_013	66	67	17300	1.73
STCDH_013	67	68	8190	0.81900001
STCDH_013	68	69	11000	1.1
STCDH_013	69	70	11400	1.14
STCDH_013	70	71	8650	0.86500001
STCDH_013	71	72.449997	9100	0.91000003
STCDH_013	72.449997	73	13800	1.38
STCDH_013	73	74	15900	1.59
STCDH_013	74	75	25200	2.52
STCDH_013	75	78	14700	1.47
STCDH_013	78	84.449997	7950	0.79500002
STCDH_013	87.449997	90	21700	2.1700001
STCDH_013	90	91	15100	1.51
STCDH_013	91	92	18600	1.86
STCDH_013	92	93	51000	5.0999999
STCDH_013	93	94	21100	2.1099999
STCDH_013	94	95	15300	1.53
STCDH_013	95	96	23700	2.3699999
STCDH_013	96	97	28200	2.8199999
STCDH_013	97	98	56000	5.5999999
STCDH_013	98	99	12800	1.28
STCDH_013	99	100	9410	0.94099998
STCDH_013	100	101	13100	1.3099999
STCDH_013	101	102	16300	1.63
STCDH_013	102	102.45	43400	4.3400002
STCDH_013	102.45	103	59500	5.9499998
STCDH_013	103	103.75	34400	3.4400001
STCDH_013	105.45	106	20400	2.04
STCDH_013	106	107	6360	0.63599998
STCDH_013	107	108	12800	1.28
STCDH_013	108	109	27600	2.76
STCDH_013	109	110.2	22300	2.23
STCDH_013	110.2	111	20200	2.02
STCDH_013	111	112	25800	2.5799999
STCDH_013	112	113	27300	2.73
STCDH_013	113	114	20800	2.0799999
STCDH_013	114	115	25500	2.55
STCDH_013	115	116	24600	2.46
STCDH_013	116	117	42600	4.2600002
STCDH_013	117	118	51000	5.0999999
STCDH_013	118	119.2	24900	2.49
STCDH_013	119.2	120	43500	4.3499999
STCDH_013	120	121	27900	2.79
STCDH_013	121	122	97400	9.7399998
STCDH_013	122	123	34300	3.4300001
STCDH_013	123	124	41800	4.1799998
STCDH_013	124	125	71700	7.1700001
STCDH_013	125	125.6	45200	4.52
STCDH_013	125.6	126	44400	4.4400001
STCDH_013	126	127	23400	2.3399999
STCDH_013	127	128	25000	2.5
STCDH_013	128	129	47800	4.7800002
STCDH_013	129	130	31100	3.1099999
STCDH_013	130	131	36500	3.6500001
STCDH_013	131	132	38700	3.8699999
STCDH_013	132	133	42800	4.2800002
STCDH_013	133	134	24700	2.47
STCDH_013	134	135	29500	2.95
STCDH_013	135	136	41400	4.1399999
STCDH_013	136	137	42600	4.2600002

STCDH_013	137	138	31000	3.0999999
STCDH_013	138	139	22700	2.27
STCDH_013	139	140	33100	3.3099999
STCDH_013	140	141	33200	3.3199999
STCDH_013	141	142	54000	5.4000001
STCDH_013	142	143	32300	3.23
STCDH_013	143	144	57500	5.75
STCDH_013	144	145	40100	4.0100002
STCDH_013	145	146	25000	2.5
STCDH_013	146	147	26900	2.6900001
STCDH_013	147	148	29100	2.9100001
STCDH_013	148	149	36000	3.5999999
STCDH_013	149	150	39300	3.9300001
STCDH_013	150	151	31900	3.1900001
STCDH_013	151	152	39400	3.9400001
STCDH_013	152	153.39999	31700	3.1700001
STCDH_013	153.39999	154	23200	2.3199999
STCDH_013	154	155	68700	6.8699999
STCDH_013	155	156	24100	2.4100001
STCDH_013	156	157	28500	2.8499999
STCDH_013	157	158	18100	1.8099999
STCDH_013	158	159	9420	0.94199997
STCDH_013	159	160	14500	1.45
STCDH_013	160	161	7730	0.773
STCDH_013	161	162	9210	0.921
STCDH_013	162	163	20500	2.05
STCDH_013	163	163.95	31400	3.1400001
STCDH_013	163.95	165	42100	4.21
STCDH_013	165	166	33100	3.3099999
STCDH_013	166	167	35700	3.5699999
STCDH_013	167	168	29500	2.95
STCDH_013	168	169	30100	3.01
STCDH_013	169	170	40800	4.0799999
STCDH_013	170	171	35000	3.5
STCDH_013	171	172	23000	2.3
STCDH_013	172	173	20400	2.04
STCDH_013	173	174	30600	3.0599999
STCDH_013	174	175	31000	3.0999999
STCDH_013	175	176	37400	3.74
STCDH_013	176	177	25500	2.55
STCDH_013	177	178	54500	5.4499998
STCDH_013	178	179	40200	4.02
STCDH_013	179	180	47900	4.79
STCDH_013	180	181	47400	4.7399998
STCDH_013	181	182	105000	10.5
STCDH_013	182	183	45100	4.5100002
STCDH_013	183	183.55	55800	5.5799999
STCDH_013	183.55	184	34100	3.4100001
STCDH_013	184	185	56500	5.6500001
STCDH_013	185	186	61500	6.1500001
STCDH_013	186	187	69200	6.9200001
STCDH_013	187	188	61700	6.1700001
STCDH_013	188	189	56200	5.6199999
STCDH_013	189	190	44900	4.4899998
STCDH_013	190	191	63700	6.3699999
STCDH_013	191	192	42800	4.2800002
STCDH_013	192	193	40300	4.0300002
STCDH_013	193	194.45	53000	5.3000002
STCDH_013	194.45	195	53900	5.3899999
STCDH_013	195	196	30800	3.0799999
STCDH_013	196	197	20400	2.04
STCDH_013	197	198	29200	2.9200001
STCDH_013	198	199	34400	3.4400001

STCDH_013	199	200		28500	2.8499999	
STCDH_013	200	201		29300	2.9300001	
STCDH_013	201	202		23300	2.3299999	
STCDH_013	202	203		36500	3.6500001	
STCDH_013	203	204		62600	6.2600002	
STCDH_013	204	204.45		33800	3.3800001	
STCDH_014	0	1.5	400	92900	9.29	4.00E-02
STCDH_014	1.5	2.5	-100	98900	9.8900003	-1.00E-02
STCDH_014	2.5	3	200	112000	11.2	0.02
STCDH_014	3.75	5	1400	134000	13.4	0.14
STCDH_014	5	6.75	6000	108000	10.8	0.60000002
STCDH_014	7.5	8	100	54600	5.46	1.00E-02
STCDH_014	8	9.5	100	74300	7.4299998	1.00E-02
STCDH_014	9.5	10	-100	22600	2.26	-1.00E-02
STCDH_014	10	11	-100	76300	7.6300001	-1.00E-02
STCDH_014	11	12	-100	80100	8.0100002	-1.00E-02
STCDH_014	12	13	100	96200	9.6199999	1.00E-02
STCDH_014	13	14	-100	89300	8.9300003	-1.00E-02
STCDH_014	14	15	-100	98600	9.8599997	-1.00E-02
STCDH_014	16.5	17	100	98300	9.8299999	1.00E-02
STCDH_014	17	18	100	106000	10.6	1.00E-02
STCDH_014	18	19	200	77400	7.7399998	0.02
STCDH_014	19	20	-100	58500	5.8499999	-1.00E-02
STCDH_014	20	21	100	76500	7.6500001	1.00E-02
STCDH_014	21	22	-100	71900	7.1900001	-1.00E-02
STCDH_014	22	23	-100	84600	8.46	-1.00E-02
STCDH_014	23	24	-100	85900	8.5900002	-1.00E-02
STCDH_014	24	25	-100	14900	1.49	-1.00E-02
STCDH_014	25	26	-100	37700	3.77	-1.00E-02
STCDH_014	26	27	-100	6200	0.62	-1.00E-02
STCDH_014	27	28	-100	1780	0.178	-1.00E-02
STCDH_014	28	29.1	-100	23100	2.3099999	-1.00E-02
STCDH_014	29.1	30	200	141000	14.1	0.02
STCDH_014	30	31	3000	147000	14.7	0.30000001
STCDH_014	31	32	7500	171000	17.1	0.75
STCDH_014	32	33	-100	32500	3.25	-1.00E-02
STCDH_014	33	34	200	71000	7.0999999	0.02
STCDH_014	34	34.5	2600	103000	10.3	0.25999999
STCDH_014	34.5	36.080002	27000	138000	13.8	2.7
STCDH_014	43.5	46.5	5100	318000	31.799999	0.50999999
STCDH_014	48	49.5	17100	406000	40.599998	1.71
STCDH_014	49.5	51	7400	483000	48.299999	0.74000001
STCDH_014	54	54.75	6300	188000	18.799999	0.63
STCDH_014	55.5	57	1200	666000	66.599998	0.12
STCDH_014	57	58	100	6410	0.64099997	1.00E-02
STCDH_014	58	59	100	8250	0.82499999	1.00E-02
STCDH_014	59	60	100	5040	0.50400001	1.00E-02
STCDH_014	60	61.099998	-100	7330	0.73299998	-1.00E-02
STCDH_014	61.099998	62.599998	4400	39700	3.97	0.44
STCDH_014	63	64.5	700	4990	0.49900001	0.07
STCDH_014	64.5	65	-100	3030	0.303	-1.00E-02
STCDH_014	65	66	400	3890	0.389	4.00E-02
STCDH_014	66	66.900002	10200	46500	4.6500001	1.02
STCDH_014	66.900002	68	800	45300	4.5300002	8.00E-02
STCDH_014	68	68.5	200	32800	3.28	0.02
STCDH_014	68.5	70	900	15400	1.54	9.00E-02
STCDH_014	70	71.599998	400	10100	1.01	4.00E-02
STCDH_014	73.099998	74	1800	61800	6.1799998	0.18000001
STCDH_014	74	75	800	17000	1.7	8.00E-02
STCDH_014	75	76.5	700	17800	1.78	0.07
STCDH_014	76.5	78	-100	1470	0.147	-1.00E-02
STCDH_014	78	79	-100	9490	0.949	-1.00E-02
STCDH_014	79	80	200	51600	5.1599998	0.02

STCDH_014	80	81	-100	2460	0.24600001	-1.00E-02
STCDH_014	81	82	-100	2840	0.28400001	-1.00E-02
STCDH_014	82	83	-100	4830	0.48300001	-1.00E-02
STCDH_014	83	84	-100	6230	0.62300003	-1.00E-02
STCDH_014	84	85	200	17400	1.74	0.02
STCDH_014	85	86	-100	11700	1.17	-1.00E-02
STCDH_014	86	87	-100	18800	1.88	-1.00E-02
STCDH_014	87	88	-100	5160	0.51599997	-1.00E-02
STCDH_014	88	89	-100	6770	0.67699999	-1.00E-02
STCDH_014	89	90	-100	15000	1.5	-1.00E-02
STCDH_014	90	91	-100	8940	0.89399999	-1.00E-02
STCDH_014	91	92	100	7870	0.787	1.00E-02
STCDH_014	92	93	-100	7420	0.74199998	-1.00E-02
STCDH_014	93	94	-100	3810	0.38100001	-1.00E-02
STCDH_014	94	95	-100	7430	0.74299997	-1.00E-02
STCDH_014	95	96	-100	4300	0.43000001	-1.00E-02
STCDH_014	96	97	-100	3830	0.38299999	-1.00E-02
STCDH_014	97	98	-100	10900	1.09	-1.00E-02
STCDH_014	98	99	-100	7750	0.77499998	-1.00E-02
STCDH_014	99	100	-100	3490	0.34900001	-1.00E-02
STCDH_014	100	101	-100	5020	0.50199997	-1.00E-02
STCDH_014	101	102	-100	8490	0.84899998	-1.00E-02
STCDH_014	102	103	-100	31500	3.1500001	-1.00E-02
STCDH_014	103	104	-100	6010	0.60100001	-1.00E-02
STCDH_014	104	104.5	-100	16300	1.63	-1.00E-02
STCDH_014	104.5	106	-100	41100	4.1100001	-1.00E-02
STCDH_014	106	107	-100	36500	3.6500001	-1.00E-02
STCDH_014	107	107.45	-100	98100	9.8100004	-1.00E-02
STCDH_014	107.45	108	-100	80200	8.0200005	-1.00E-02
STCDH_014	108	109	-100	14400	1.4400001	-1.00E-02
STCDH_014	109	110	-100	11000	1.1	-1.00E-02
STCDH_014	110	111	-100	11800	1.1799999	-1.00E-02
STCDH_014	111	112	-100	16300	1.63	-1.00E-02
STCDH_014	112	113	-100	14100	1.41	-1.00E-02
STCDH_014	113	114	-100	13000	1.3	-1.00E-02
STCDH_014	114	115	-100	22400	2.24	-1.00E-02
STCDH_014	115	116	-100	16000	1.6	-1.00E-02
STCDH_014	116	117	-100	30700	3.0699999	-1.00E-02
STCDH_014	117	118	-100	26400	2.6400001	-1.00E-02
STCDH_014	118	119	-100	44700	4.4699998	-1.00E-02
STCDH_014	119	120	-100	29500	2.95	-1.00E-02
STCDH_014	120	121	-100	14400	1.4400001	-1.00E-02
STCDH_014	121	122	-100	16600	1.66	-1.00E-02
STCDH_014	122	123	-100	13500	1.35	-1.00E-02
STCDH_014	123	124	-100	19300	1.9299999	-1.00E-02
STCDH_014	124	125	-100	30100	3.01	-1.00E-02
STCDH_014	125	126	-100	32800	3.28	-1.00E-02
STCDH_014	126	127	-100	38500	3.8499999	-1.00E-02
STCDH_014	127	128	-100	24600	2.46	-1.00E-02
STCDH_014	128	129	-100	13300	1.33	-1.00E-02
STCDH_014	129	130	-100	7920	0.792	-1.00E-02
STCDH_014	130	131	-100	4510	0.45100001	-1.00E-02
STCDH_014	131	132	-100	7080	0.708	-1.00E-02
STCDH_014	132	133	-100	19900	1.99	-1.00E-02
STCDH_014	133	134	-100	19500	1.95	-1.00E-02
STCDH_014	134	135	-100	15500	1.55	-1.00E-02
STCDH_014	135	136	-100	16700	1.67	-1.00E-02
STCDH_014	136	137	-100	16100	1.61	-1.00E-02
STCDH_014	137	138	-100	21400	2.1400001	-1.00E-02
STCDH_014	138	139	-100	30800	3.0799999	-1.00E-02
STCDH_014	139	140	-100	23200	2.3199999	-1.00E-02
STCDH_014	140	141	-100	23000	2.3	-1.00E-02
STCDH_014	141	142	-100	8710	0.87099999	-1.00E-02

STCDH_014	142	143	-100	26800	2.6800001	-1.00E-02
STCDH_014	143	144	-100	17600	1.76	-1.00E-02
STCDH_014	144	145	-100	14400	1.4400001	-1.00E-02
STCDH_014	145	146	-100	7490	0.74900001	-1.00E-02
STCDH_014	146	147	-100	11500	1.15	-1.00E-02
STCDH_014	147	148	-100	19300	1.9299999	-1.00E-02
STCDH_014	148	149	-100	7880	0.78799999	-1.00E-02
STCDH_014	149	150	-100	15800	1.58	-1.00E-02
STCDH_014	150	151	-100	17400	1.74	-1.00E-02
STCDH_014	151	152	-100	13900	1.39	-1.00E-02
STCDH_014	152	153	-100	8720	0.87199998	-1.00E-02
STCDH_014	153	154	-100	9210	0.921	-1.00E-02
STCDH_014	154	155	-100	8480	0.84799999	-1.00E-02
STCDH_014	155	156	-100	55900	5.5900002	-1.00E-02
STCDH_014	156	157	-100	45700	4.5700002	-1.00E-02
STCDH_014	157	158	-100	19700	1.97	-1.00E-02
STCDH_014	158	159	-100	23400	2.3399999	-1.00E-02
STCDH_014	159	160	-100	26800	2.6800001	-1.00E-02
STCDH_014	160	161	-100	13200	1.3200001	-1.00E-02
STCDH_014	161	162	-100	33400	3.3399999	-1.00E-02
STCDH_014	162	163	-100	80500	8.0500002	-1.00E-02
STCDH_014	163	164	-100	9900	0.99000001	-1.00E-02
STCDH_014	164	165	-100	25000	2.5	-1.00E-02
STCDH_014	165	166	-100	32500	3.25	-1.00E-02
STCDH_014	166	167	-100	33300	3.3299999	-1.00E-02
STCDH_014	167	168	-100	25000	2.5	-1.00E-02
STCDH_014	168	169	-100	13900	1.39	-1.00E-02
STCDH_014	169	170	-100	21000	2.0999999	-1.00E-02
STCDH_014	170	171	-100	7670	0.76700002	-1.00E-02
STCDH_014	171	172	-100	11200	1.12	-1.00E-02
STCDH_014	172	173	-100	7610	0.76099998	-1.00E-02
STCDH_014	173	174	-100	7380	0.73799998	-1.00E-02
STCDH_014	174	175	-100	12100	1.21	-1.00E-02
STCDH_014	175	176	-100	11300	1.13	-1.00E-02
STCDH_014	176	177	-100	16600	1.66	-1.00E-02
STCDH_014	177	178	-100	7030	0.70300001	-1.00E-02
STCDH_014	178	179	-100	7360	0.736	-1.00E-02
STCDH_014	179	180	-100	11600	1.16	-1.00E-02
STCDH_014	180	181	-100	16200	1.62	-1.00E-02
STCDH_014	181	182	-100	8360	0.83600003	-1.00E-02
STCDH_014	182	183	-100	11300	1.13	-1.00E-02
STCDH_014	183	184	-100	7290	0.72899997	-1.00E-02
STCDH_014	184	185	-100	8200	0.81999999	-1.00E-02
STCDH_014	185	186	-100	14400	1.4400001	-1.00E-02
STCDH_014	186	187	-100	36300	3.6300001	-1.00E-02
STCDH_014	187	188	-100	21800	2.1800001	-1.00E-02
STCDH_014	188	189	-100	32700	3.27	-1.00E-02
STCDH_014	189	190	-100	-8888	-0.88880002	-1.00E-02
STCDH_014	190	191	-100	36900	3.6900001	-1.00E-02
STCDH_014	191	192	-100	37000	3.7	-1.00E-02
STCDH_014	192	192.39999	-100	73900	7.3899999	-1.00E-02
STCDH_014	192.39999	193	-100	43500	4.3499999	-1.00E-02
STCDH_014	193	194	-100	78200	7.8200002	-1.00E-02
STCDH_014	194	195	-100	29800	2.98	-1.00E-02
STCDH_014	195	196	-100	23000	2.3	-1.00E-02
STCDH_014	196	197	-100	47300	4.73	-1.00E-02
STCDH_014	197	198	-100	49100	4.9099998	-1.00E-02
STCDH_014	198	199	-100	3390	0.33899999	-1.00E-02
STCDH_014	199	200	-100	158000	15.8	-1.00E-02
STCDH_014	200	201	-100	41100	4.1100001	-1.00E-02
STCDH_014	201	202	-100	36800	3.6800001	-1.00E-02
STCDH_014	202	203	-100	24500	2.45	-1.00E-02
STCDH_014	203	204	-100	71200	7.1199999	-1.00E-02

STCDH_014	204	205	-100	68000	6.8000002	-1.00E-02
STCDH_014	205	206	-100	55300	5.5300002	-1.00E-02
STCDH_014	206	207	-100	11500	1.15	-1.00E-02
STCDH_014	207	208	-100	53000	5.3000002	-1.00E-02
STCDH_014	208	209	-100	35500	3.55	-1.00E-02
STCDH_014	209	210	-100	33700	3.3699999	-1.00E-02
STCDH_014	210	211	-100	24900	2.49	-1.00E-02
STCDH_014	211	212	-100	31900	3.1900001	-1.00E-02
STCDH_014	212	213	-100	37000	3.7	-1.00E-02
STCDH_014	213	214	-100	37200	3.72	-1.00E-02
STCDH_014	214	215	-100	72500	7.25	-1.00E-02
STCDH_014	215	216	-100	10800	1.08	-1.00E-02
STCDH_014	216	217	-100	52500	5.25	-1.00E-02
STCDH_014	217	218	-100	23000	2.3	-1.00E-02
STCDH_014	218	219	-100	53900	5.3899999	-1.00E-02
STCDH_014	219	220	-100	36100	3.6099999	-1.00E-02
STCDH_014	220	221	-100	23600	2.3599999	-1.00E-02
STCDH_014	221	222	-100	39100	3.9100001	-1.00E-02
STCDH_014	222	223	-100	61400	6.1399999	-1.00E-02
STCDH_014	223	224	-100	57000	5.6999998	-1.00E-02
STCDH_014	224	225	-100	128000	12.8	-1.00E-02
STCDH_014	225	226.5	-100	24000	2.4000001	-1.00E-02
STCDH_014	226.5	228	-100	16300	1.63	-1.00E-02
STCDH_014	228	229	-100	34900	3.49	-1.00E-02
STCDH_014	229	230	-100	17900	1.79	-1.00E-02
STCDH_014	230	231	-100	32800	3.28	-1.00E-02
STCDH_014	231	232	-100	44400	4.4400001	-1.00E-02
STCDH_014	232	233	-100	36500	3.6500001	-1.00E-02
STCDH_014	233	234	-100	29800	2.98	-1.00E-02
STCDH_014	234	235	-100	30900	3.0899999	-1.00E-02
STCDH_014	235	236	-100	24700	2.47	-1.00E-02
STCDH_014	236	237	-100	33700	3.3699999	-1.00E-02
STCDH_014	237	238	200	75500	7.5500002	0.02
STCDH_014	238	239	-100	24700	2.47	-1.00E-02
STCDH_014	239	240	-100	17500	1.75	-1.00E-02
STCDH_014	240	241	-100	35500	3.55	-1.00E-02
STCDH_014	241	242	-100	22400	2.24	-1.00E-02
STCDH_014	242	243	-100	37100	3.71	-1.00E-02
STCDH_014	243	244	-100	30300	3.03	-1.00E-02
STCDH_014	244	245	-100	20800	2.0799999	-1.00E-02
STCDH_014	245	246	-100	39600	3.96	-1.00E-02
STCDH_014	246	247	-100	39200	3.9200001	-1.00E-02
STCDH_014	247	247.8	-100	53500	5.3499999	-1.00E-02
STCDH_014	247.8	249	-100	88600	8.8599997	-1.00E-02
STCDH_014	249	250	-100	60500	6.0500002	-1.00E-02
STCDH_014	250	251	-100	72400	7.2399998	-1.00E-02
STCDH_014	251	252	-100	86700	8.6700001	-1.00E-02
STCDH_014	252	253.5	-100	60200	6.02	-1.00E-02
STCDH_014	253.5	254.5	-100	46100	4.6100001	-1.00E-02
STCDH_014	254.5	256	-100	45100	4.5100002	-1.00E-02
STCDH_016	0	1.5	-100	1520	0.152	-1.00E-02
STCDH_016	1.5	4.5	-100	1930	0.193	-1.00E-02
STCDH_016	9	10.5	-100	2560	0.25600001	-1.00E-02
STCDH_016	12	13.5	-100	2460	0.24600001	-1.00E-02
STCDH_016	13.5	15	-100	1390	0.139	-1.00E-02
STCDH_016	15	16.5	-100	576	5.76E-02	-1.00E-02
STCDH_016	16.5	18	-100	384	3.84E-02	-1.00E-02
STCDH_016	18	19.5	-100	1270	0.127	-1.00E-02
STCDH_016	19.5	20.700001	-100	861	8.61E-02	-1.00E-02
STCDH_016	20.700001	22	-100	1690	0.169	-1.00E-02
STCDH_016	22	23	-100	1590	0.15899999	-1.00E-02
STCDH_016	23	24	-100	1850	0.185	-1.00E-02
STCDH_016	24	25	-100	2050	0.205	-1.00E-02

STCDH_016	25	26	-100	1170	0.117	-1.00E-02
STCDH_016	26	27	-100	173	0.0173	-1.00E-02
STCDH_016	27	28	-100	366	3.66E-02	-1.00E-02
STCDH_016	28	29	-100	119	0.0119	-1.00E-02
STCDH_016	29	30	-100	283	0.0283	-1.00E-02
STCDH_016	30	31	-100	82.199997	8.22E-03	-1.00E-02
STCDH_016	31	32	-100	58.200001	5.82E-03	-1.00E-02
STCDH_016	32	33	-100	462	0.0462	-1.00E-02
STCDH_016	33	33.799999	-100	22.6	0.00226	-1.00E-02
STCDH_016	33.799999	35	-100	2670	0.26699999	-1.00E-02
STCDH_016	35	36	-100	2260	0.226	-1.00E-02
STCDH_016	36	37	-100	3010	0.301	-1.00E-02
STCDH_016	37	38	-100	1690	0.169	-1.00E-02
STCDH_016	38	39	-100	652	6.52E-02	-1.00E-02
STCDH_016	39	40	-100	2760	0.27599999	-1.00E-02
STCDH_016	40	41	-100	5150	0.51499999	-1.00E-02
STCDH_016	41	42	-100	4670	0.46700001	-1.00E-02
STCDH_016	42	43	-100	868	8.68E-02	-1.00E-02
STCDH_016	43	44	-100	309	0.0309	-1.00E-02
STCDH_016	44	45	-100	867	0.0867	-1.00E-02
STCDH_016	45	45.400002	-100	647	0.0647	-1.00E-02
STCDH_016	45.400002	46	-100	3490	0.34900001	-1.00E-02
STCDH_016	46	47	-100	5960	0.59600002	-1.00E-02
STCDH_016	47	48	-100	618	6.18E-02	-1.00E-02
STCDH_016	48	49	-100	46.599998	4.66E-03	-1.00E-02
STCDH_016	49	50	-100	81.900002	8.19E-03	-1.00E-02
STCDH_016	50	51	-100	86.599998	8.66E-03	-1.00E-02
STCDH_016	51	52	-100	417	4.17E-02	-1.00E-02
STCDH_016	52	53	-100	525	5.25E-02	-1.00E-02
STCDH_016	53	54	-100	1450	0.145	-1.00E-02
STCDH_016	54	55	-100	2020	0.20200001	-1.00E-02
STCDH_016	55	56	-100	2760	0.27599999	-1.00E-02
STCDH_016	56	57	-100	47.200001	4.72E-03	-1.00E-02
STCDH_016	57	58	-100	3610	0.361	-1.00E-02
STCDH_016	58	59	-100	2150	0.215	-1.00E-02
STCDH_016	59	60	-100	1000	0.1	-1.00E-02
STCDH_016	60	61	-100	1040	0.104	-1.00E-02
STCDH_016	61	62	-100	638	0.0638	-1.00E-02
STCDH_016	62	63	-100	896	8.96E-02	-1.00E-02
STCDH_016	63	64	-100	1240	0.124	-1.00E-02
STCDH_016	64	65.5	-100	1080	0.108	-1.00E-02
STCDH_017	0	1	-100	2730	0.273	-1.00E-02
STCDH_017	1	2	-100	641	6.41E-02	-1.00E-02
STCDH_017	2	3	-100	927	9.27E-02	-1.00E-02
STCDH_017	3	4	-100	808	8.08E-02	-1.00E-02
STCDH_017	4	5	-100	3030	0.303	-1.00E-02
STCDH_017	5	6	-100	23100	2.3099999	-1.00E-02
STCDH_017	6	7	-100	31000	3.0999999	-1.00E-02
STCDH_017	7	8	-100	21500	2.1500001	-1.00E-02
STCDH_017	8	9	-100	17700	1.77	-1.00E-02
STCDH_017	9	10	-100	32300	3.23	-1.00E-02
STCDH_017	10	11	-100	7420	0.74199998	-1.00E-02
STCDH_017	11	12	-100	9700	0.97000003	-1.00E-02
STCDH_017	12	13	-100	2050	0.205	-1.00E-02
STCDH_017	13	14	100	11300	1.13	1.00E-02
STCDH_017	14	15	-100	10200	1.02	-1.00E-02
STCDH_017	15	16	200	26900	2.6900001	0.02
STCDH_017	16	17	-100	2190	0.219	-1.00E-02
STCDH_017	17	18.200001	-100	5240	0.52399999	-1.00E-02
STCDH_017	18.200001	19.5	-100	5930	0.59299999	-1.00E-02
STCDH_017	19.5	21	-100	33600	3.3599999	-1.00E-02
STCDH_017	21	22.5	-100	9810	0.98100001	-1.00E-02
STCDH_017	22.5	23.5	-100	9480	0.94800001	-1.00E-02

STCDH_017	23.5	24	-100	30100	3.01	-1.00E-02
STCDH_017	24	25.5	-100	59800	5.98	-1.00E-02
STCDH_017	25.5	26	-100	5660	0.56599998	-1.00E-02
STCDH_017	26	27	100	48500	4.8499999	1.00E-02
STCDH_017	27	28	600	97700	9.7700005	6.00E-02
STCDH_017	28	29	200	50700	5.0700002	0.02
STCDH_017	29	30	200	75400	7.54	0.02
STCDH_017	30	31	500	142000	14.2	5.00E-02
STCDH_017	31	32	300	82900	8.29	3.00E-02
STCDH_017	32	32.549999	-100	12100	1.21	-1.00E-02
STCDH_017	32.549999	33	500	63800	6.3800001	5.00E-02
STCDH_017	33	34	400	47200	4.7199998	4.00E-02
STCDH_017	34	35	500	69600	6.96	5.00E-02
STCDH_017	35	36	7800	119000	11.9	0.77999997
STCDH_017	37.5	40	3000	10100	1.01	0.30000001
STCDH_017	40	41.5	18900	27600	2.76	1.89
STCDH_017	41.5	43	13200	26900	2.6900001	1.3200001
STCDH_017	43	44	15600	14100	1.41	1.5599999
STCDH_017	44	45.5	100	72.699997	7.27E-03	1.00E-02
STCDH_017	45.5	47	-100	47.599998	4.76E-03	-1.00E-02
STCDH_017	47	48.5	-100	55.099998	0.00551	-1.00E-02
STCDH_017	48.5	49	-100	44.5	4.45E-03	-1.00E-02
STCDH_017	49	50.5	-100	79.599998	7.96E-03	-1.00E-02
STCDH_017	50.5	52	-100	41.700001	4.17E-03	-1.00E-02
STCDH_017	52	53.5	-100	29.4	0.00294	-1.00E-02
STCDH_017	53.5	55	-100	45.099998	4.51E-03	-1.00E-02
STCDH_017	55	56.5	-100	53.799999	0.00538	-1.00E-02
STCDH_017	56.5	58	-100	98.099998	9.81E-03	-1.00E-02
STCDH_017	58	59.5	-100	94.300003	9.43E-03	-1.00E-02
STCDH_017	59.5	61	-100	50.5	5.05E-03	-1.00E-02
STCDH_017	61	62.5	-100	26.4	2.64E-03	-1.00E-02
STCDH_017	62.5	64	-100	27.200001	0.00272	-1.00E-02
STCDH_017	64	65.5	-100	27.6	2.76E-03	-1.00E-02
STCDH_017	65.5	67	-100	22.200001	2.22E-03	-1.00E-02
STCDH_017	67	68.5	-100	23.1	2.31E-03	-1.00E-02
STCDH_017	68.5	70	-100	21	2.10E-03	-1.00E-02
STCDH_017	70	71.5	-100	72.5	7.25E-03	-1.00E-02
STCDH_017	71.5	73	-100	19.1	0.00191	-1.00E-02
STCDH_017	73	74.5	-100	13.8	0.00138	-1.00E-02
STCDH_017	74.5	76	-100	18.799999	1.88E-03	-1.00E-02
STCDH_017	76	77.5	-100	18.9	0.00189	-1.00E-02
STCDH_017	77.5	79	-100	48.299999	0.00483	-1.00E-02
STCDH_017	79	80.5	-100	15.9	0.00159	-1.00E-02
STCDH_017	80.5	82	-100	13.3	0.00133	-1.00E-02
STCDH_017	82	83.5	-100	6.5	0.00065	-1.00E-02
STCDH_017	83.5	85	-100	24.200001	0.00242	-1.00E-02
STCDH_017	85	86.5	-100	13.1	1.31E-03	-1.00E-02
STCDH_017	86.5	88	-100	13.2	1.32E-03	-1.00E-02
STCDH_017	88	89.5	-100	15	0.0015	-1.00E-02
STCDH_017	89.5	91	-100	10.5	0.00105	-1.00E-02
STCDH_017	91	92.5	-100	16.700001	0.00167	-1.00E-02
STCDH_017	92.5	94	-100	11.8	0.00118	-1.00E-02
STCDH_017	94	95.5	-100	8.1000004	8.10E-04	-1.00E-02
STCDH_017	95.5	97	-100	20.6	2.06E-03	-1.00E-02
STCDH_017	97	98.5	-100	54.5	5.45E-03	-1.00E-02
STCDH_017	98.5	100	-100	26.200001	2.62E-03	-1.00E-02
STCDH_017	100	101.5	-100	26.6	0.00266	-1.00E-02
STCDH_017	101.5	103	-100	31.6	3.16E-03	-1.00E-02
STCDH_017	103	104	-100	51.799999	5.18E-03	-1.00E-02
STCDH_019	0	1	700	23500	2.3499999	0.07
STCDH_019	1	2	1400	42000	4.1999998	0.14
STCDH_019	2	3	300	33800	3.3800001	3.00E-02
STCDH_019	3	4	-100	9160	0.91600001	-1.00E-02

STCDH_019	4	5	-100	15100	1.51	-1.00E-02
STCDH_019	5	6	-100	52200	5.2199998	-1.00E-02
STCDH_019	6	6.5999999	-100	3370	0.33700001	-1.00E-02
STCDH_019	6.5999999	7.3000002	-100	35900	3.5899999	-1.00E-02
STCDH_019	7.3000002	8.3000002	200	32500	3.25	0.02
STCDH_019	8.3000002	9.5	800	150000	15	8.00E-02
STCDH_019	9.5	10	200	15300	1.53	0.02
STCDH_019	10	11	-100	2910	0.29100001	-1.00E-02
STCDH_019	11	12	-100	2840	0.28400001	-1.00E-02
STCDH_019	12	13	-100	2100	0.20999999	-1.00E-02
STCDH_019	13	14	100	23900	2.3900001	1.00E-02
STCDH_019	14	15.5	-100	16400	1.64	-1.00E-02
STCDH_019	15.5	17	200	9320	0.93199998	0.02
STCDH_019	17	18.5	-100	4610	0.461	-1.00E-02
STCDH_019	18.5	19.5	-100	10100	1.01	-1.00E-02
STCDH_019	19.5	20	-100	11200	1.12	-1.00E-02
STCDH_019	20	21	-100	5650	0.565	-1.00E-02
STCDH_019	21	22	-100	12300	1.23	-1.00E-02
STCDH_019	22	23	-100	5530	0.55299997	-1.00E-02
STCDH_019	23	24	100	12300	1.23	1.00E-02
STCDH_019	24	25	-100	5280	0.528	-1.00E-02
STCDH_019	25	26	-100	23200	2.3199999	-1.00E-02
STCDH_019	26	27	-100	18900	1.89	-1.00E-02
STCDH_019	27	28	-100	14100	1.41	-1.00E-02
STCDH_019	28	29	-100	23000	2.3	-1.00E-02
STCDH_019	29	30	-100	12100	1.21	-1.00E-02
STCDH_019	30	31	-100	4450	0.44499999	-1.00E-02
STCDH_019	31	32	-100	2810	0.28099999	-1.00E-02
STCDH_019	32	33	-100	9770	0.977	-1.00E-02
STCDH_019	33	34	-100	47800	4.7800002	-1.00E-02
STCDH_019	34	35	-100	24900	2.49	-1.00E-02
STCDH_019	35	36	-100	2520	0.252	-1.00E-02
STCDH_019	36	37	-100	14500	1.45	-1.00E-02
STCDH_019	37	38	-100	3630	0.36300001	-1.00E-02
STCDH_019	38	39	-100	25300	2.53	-1.00E-02
STCDH_019	39	40	-100	54900	5.4899998	-1.00E-02
STCDH_019	40	41	-100	51800	5.1799998	-1.00E-02
STCDH_019	41	42	-100	49800	4.98	-1.00E-02
STCDH_019	42	43	-100	42400	4.2399998	-1.00E-02
STCDH_019	43	44	-100	33100	3.3099999	-1.00E-02
STCDH_019	44	45	-100	44800	4.48	-1.00E-02
STCDH_019	45	46	-100	43200	4.3200002	-1.00E-02
STCDH_019	46	47	100	51700	5.1700001	1.00E-02
STCDH_019	47	48.5	-100	35000	3.5	-1.00E-02
STCDH_019	48.5	49.5	100	51000	5.0999999	1.00E-02
STCDH_019	49.5	50.5	-100	42100	4.21	-1.00E-02
STCDH_019	50.5	51.5	-100	113000	11.3	-1.00E-02
STCDH_019	51.5	52.5	-100	69600	6.96	-1.00E-02
STCDH_019	52.5	53.5	-100	59400	5.9400001	-1.00E-02
STCDH_019	53.5	54.5	-100	28600	2.8599999	-1.00E-02
STCDH_019	54.5	55.5	2000	17200	1.72	0.2
STCDH_019	55.5	56.400002	1900	52300	5.23	0.19
STCDH_019	56.400002	57.5	300	90800	9.0799999	3.00E-02
STCDH_019	57.5	58.5	1800	112000	11.2	0.18000001
STCDH_019	58.5	59	1300	95100	9.5100002	0.13
STCDH_019	59	60	1400	76300	7.6300001	0.14
STCDH_019	60	61.560001	3600	127000	12.7	0.36000001
STCDH_019	61.560001	63	1900	1020	0.102	0.19
STCDH_019	63	64.5	-100	113	0.0113	-1.00E-02
STCDH_019	64.5	66	-100	92.400002	9.24E-03	-1.00E-02
STCDH_019	66	67.5	-100	75	7.50E-03	-1.00E-02
STCDH_019	67.5	68.5	-100	84.5	8.45E-03	-1.00E-02
STCDH_019	68.5	69.5	-100	143	0.0143	-1.00E-02

STCDH_019	69.5	70.349998	-100	51100	5.1100001	-1.00E-02
STCDH_019	70.349998	71	-100	95	9.50E-03	-1.00E-02
STCDH_019	71	72.5	-100	47.700001	0.00477	-1.00E-02
STCDH_019	72.5	74	-100	63	0.0063	-1.00E-02
STCDH_019	74	75.5	-100	83.5	8.35E-03	-1.00E-02
STCDH_019	75.5	77	-100	61.099998	0.00611	-1.00E-02
STCDH_019	77	78.5	-100	78.699997	7.87E-03	-1.00E-02
STCDH_019	78.5	80	-100	538	5.38E-02	-1.00E-02
STCDH_019	80	81.5	-100	56.599998	5.66E-03	-1.00E-02
STCDH_019	81.5	83	-100	60.599998	0.00606	-1.00E-02
STCDH_019	83	84.5	-100	120	0.012	-1.00E-02
STCDH_019	84.5	86	-100	84	8.40E-03	-1.00E-02
STCDH_019	86	87.5	-100	44.200001	4.42E-03	-1.00E-02
STCDH_019	87.5	89	-100	53.900002	5.39E-03	-1.00E-02
STCDH_019	89	90.5	-100	38.599998	3.86E-03	-1.00E-02
STCDH_019	90.5	92	-100	63.799999	6.38E-03	-1.00E-02
STCDH_019	92	93.5	-100	16.9	1.69E-03	-1.00E-02
STCDH_019	93.5	95	-100	31.5	0.00315	-1.00E-02
STCDH_019	95	96.5	-100	9.6000004	9.60E-04	-1.00E-02
STCDH_019	96.5	98	-100	22	0.0022	-1.00E-02
STCDH_019	98	99.5	-100	9.8999996	9.90E-04	-1.00E-02
STCDH_019	99.5	101	-100	12.5	0.00125	-1.00E-02
STCDH_019	101	102.5	-100	14.3	1.43E-03	-1.00E-02
STCDH_019	102.5	104	-100	14.6	1.46E-03	-1.00E-02
STCDH_019	104	105.5	-100	9.5	9.50E-04	-1.00E-02
STCDH_019	105.5	107	-100	17.700001	1.77E-03	-1.00E-02
STCDH_019	107	108.5	-100	12.6	0.00126	-1.00E-02
STCDH_019	108.5	110	-100	15.3	0.00153	-1.00E-02
STCDH_019	110	111.5	-100	15	0.0015	-1.00E-02
STCDH_019	111.5	113	-100	23.299999	2.33E-03	-1.00E-02
STCDH_019	113	114.5	100	14.5	0.00145	1.00E-02
STCDH_019	114.5	116	100	21.6	2.16E-03	1.00E-02
STCDH_019	116	117.5	-100	30.4	3.04E-03	-1.00E-02
STCDH_019	117.5	119	-100	42.799999	0.00428	-1.00E-02
STCDH_020	0	1.5	-100	1050	0.105	-1.00E-02
STCDH_020	1.5	3	-100	646	6.46E-02	-1.00E-02
STCDH_020	3	4.5	-100	599	5.99E-02	-1.00E-02
STCDH_020	4.5	5.25	-100	212	2.12E-02	-1.00E-02
STCDH_020	5.25	6	100	3510	0.35100001	1.00E-02
STCDH_020	6	7.5	-100	87.699997	8.77E-03	-1.00E-02
STCDH_020	7.5	9	-100	68.099998	6.81E-03	-1.00E-02
STCDH_020	9	10.5	-100	110	0.011	-1.00E-02
STCDH_020	10.5	12	-100	25.799999	2.58E-03	-1.00E-02
STCDH_020	12	13.5	-100	974	9.74E-02	-1.00E-02
STCDH_020	13.5	15	200	3480	0.34799999	0.02
STCDH_020	15	16.5	100	2200	0.22	1.00E-02
STCDH_020	16.5	18	-100	1600	0.16	-1.00E-02
STCDH_020	18	19	100	6430	0.64300001	1.00E-02
STCDH_020	19	20	100	2570	0.257	1.00E-02
STCDH_020	20	21	-100	421	4.21E-02	-1.00E-02
STCDH_020	21	22	-100	30	0.003	-1.00E-02
STCDH_020	22	23	-100	34.700001	3.47E-03	-1.00E-02
STCDH_020	23	24	100	1910	0.191	1.00E-02
STCDH_020	24	24.9	200	3410	0.34099999	0.02
STCDH_020	24.9	26	100	30.299999	0.00303	1.00E-02
STCDH_020	26	27	200	23	2.30E-03	0.02
STCDH_020	27	28	500	1060	0.106	5.00E-02
STCDH_020	28	29	300	3980	0.398	3.00E-02
STCDH_020	29	30	400	1490	0.149	4.00E-02
STCDH_020	30	31	1000	1290	0.12899999	0.1
STCDH_020	31	32	500	1360	0.13600001	5.00E-02
STCDH_020	32	33	700	4110	0.41100001	0.07
STCDH_020	33	34	1000	8380	0.838	0.1

STCDH_020	34	35	300	75.400002	7.54E-03	3.00E-02
STCDH_020	35	36	500	537	0.0537	5.00E-02
STCDH_020	36	37	800	1640	0.164	8.00E-02
STCDH_020	37	38	400	1090	0.109	4.00E-02
STCDH_020	38	39	900	1820	0.182	9.00E-02
STCDH_020	39	40	800	2040	0.204	8.00E-02
STCDH_020	40	41	700	3350	0.33500001	0.07
STCDH_020	41	42.5	2400	13800	1.38	0.23999999
STCDH_020	42.5	43.5	3800	39400	3.9400001	0.38
STCDH_020	43.5	44	100	74900	7.4899998	1.00E-02
STCDH_020	44	44.5	100	85800	8.5799999	1.00E-02
STCDH_020	44.5	45	100	62600	6.2600002	1.00E-02
STCDH_020	45	45.799999	100	21000	2.0999999	1.00E-02
STCDH_020	45.799999	47	200	64000	6.4000001	0.02
STCDH_020	47	47.900002	400	68900	6.8899999	4.00E-02
STCDH_020	49.5	52.5	7700	69900	6.9899998	0.76999998
STCDH_020	52.5	54	-100	69700	6.9699998	-1.00E-02
STCDH_020	54	55.5	200	57600	5.7600002	0.02
STCDH_020	55.5	57	11600	58100	5.8099999	1.16
STCDH_020	57	58	500	120000	12	5.00E-02
STCDH_020	58	59	600	79300	7.9299998	6.00E-02
STCDH_020	59	60	100	20900	2.0899999	1.00E-02
STCDH_020	60	61.5	500	55700	5.5700002	5.00E-02
STCDH_020	63.5	64.5	400	29100	2.9100001	4.00E-02
STCDH_020	64.5	66	1900	42000	4.1999998	0.19
STCDH_020	66	67.5	1900	41600	4.1599998	0.19
STCDH_020	67.5	69	1800	19600	1.96	0.18000001
STCDH_018	0	1	-100	105	0.0105	-1.00E-02
STCDH_018	1	3	-100	87.300003	8.73E-03	-1.00E-02
STCDH_018	3	4.5	-100	72.900002	7.29E-03	-1.00E-02
STCDH_018	4.5	6	-100	43.599998	4.36E-03	-1.00E-02
STCDH_018	6	7.5	-100	47.400002	4.74E-03	-1.00E-02
STCDH_018	7.5	9	-100	163	0.0163	-1.00E-02
STCDH_018	9	10.5	-100	211	0.0211	-1.00E-02
STCDH_018	10.5	12	-100	87.199997	8.72E-03	-1.00E-02
STCDH_018	12	13.5	-100	42	4.20E-03	-1.00E-02
STCDH_018	13.5	15	-100	35.5	0.00355	-1.00E-02
STCDH_018	15	16.5	-100	32.200001	3.22E-03	-1.00E-02
STCDH_018	16.5	18	-100	38.299999	3.83E-03	-1.00E-02
STCDH_018	18	19.5	-100	39.799999	0.00398	-1.00E-02
STCDH_018	19.5	21	-100	51.5	5.15E-03	-1.00E-02
STCDH_018	21	22.5	-100	46.400002	4.64E-03	-1.00E-02
STCDH_018	22.5	24	-100	63.299999	6.33E-03	-1.00E-02
STCDH_018	24	25.5	-100	30.700001	3.07E-03	-1.00E-02
STCDH_018	25.5	27	-100	37.799999	3.78E-03	-1.00E-02
STCDH_018	27	28.5	-100	72.300003	7.23E-03	-1.00E-02
STCDH_018	28.5	30	-100	46.5	0.00465	-1.00E-02
STCDH_018	30	31.5	-100	81.599998	8.16E-03	-1.00E-02
STCDH_018	31.5	33	-100	296	0.0296	-1.00E-02
STCDH_018	33	34.5	-100	392	0.0392	-1.00E-02
STCDH_018	34.5	36	-100	376	3.76E-02	-1.00E-02
STCDH_018	36	37.5	-100	428	4.28E-02	-1.00E-02
STCDH_018	37.5	39	-100	370	0.037	-1.00E-02
STCDH_018	39	40.5	-100	74.400002	7.44E-03	-1.00E-02
STCDH_018	40.5	42	-100	466	4.66E-02	-1.00E-02
STCDH_018	42	43.5	-100	93.300003	9.33E-03	-1.00E-02
STCDH_018	43.5	45	-100	70.300003	7.03E-03	-1.00E-02
STCDH_018	45	46.5	-100	93.400002	9.34E-03	-1.00E-02
STCDH_018	46.5	48	-100	73.199997	7.32E-03	-1.00E-02
STCDH_018	48	49.5	-100	86.900002	8.69E-03	-1.00E-02
STCDH_018	49.5	51	-100	201	2.01E-02	-1.00E-02
STCDH_018	51	53	200	600	6.00E-02	0.02
STCDH_018	53	54.5	200	261	0.0261	0.02

STCDH_018	54.5	56	-100	292	2.92E-02	-1.00E-02
STCDH_018	56	57.5	-100	361	0.0361	-1.00E-02
STCDH_018	57.5	59	-100	378	3.78E-02	-1.00E-02
STCDH_018	59	60.5	-100	443	4.43E-02	-1.00E-02
STCDH_018	60.5	62	-100	288	0.0288	-1.00E-02
STCDH_018	62	63.5	-100	582	5.82E-02	-1.00E-02
STCDH_018	63.5	65	-100	381	0.0381	-1.00E-02
STCDH_018	65	68	-100	791	7.91E-02	-1.00E-02
STCDH_018	68	69.5	-100	742	7.42E-02	-1.00E-02
STCDH_018	69.5	71	-100	876	0.0876	-1.00E-02
STCDH_018	71	72.5	-100	1380	0.138	-1.00E-02
STCDH_018	72.5	74	-100	934	9.34E-02	-1.00E-02
STCDH_018	74	75.5	-100	706	7.06E-02	-1.00E-02
STCDH_018	75.5	77	-100	616	0.0616	-1.00E-02
STCDH_018	77	78.5	-100	423	4.23E-02	-1.00E-02
STCDH_018	78.5	80	-100	197	0.0197	-1.00E-02
STCDH_018	80	81.5	-100	355	3.55E-02	-1.00E-02
STCDH_018	81.5	83	-100	293	2.93E-02	-1.00E-02
STCDH_018	83	84.5	-100	349	3.49E-02	-1.00E-02
STCDH_018	84.5	86	-100	446	4.46E-02	-1.00E-02
STCDH_018	86	87.5	-100	804	8.04E-02	-1.00E-02
STCDH_018	87.5	89	-100	987	9.87E-02	-1.00E-02
STCDH_018	89	90	-100	1050	0.105	-1.00E-02
STCDH_002	0	1				
STCDH_002	1	2.2				
STCDH_002	2.2	3				
STCDH_002	3	3.5				
STCDH_002	3.5	4				
STCDH_002	4	4.5				
STCDH_002	4.5	4.9099998				
STCDH_002	4.9099998	6				
STCDH_002	6	7.5				
STCDH_002	7.5	9				
STCDH_002	9	10				
STCDH_002	10	11				
STCDH_002	11	12				
STCDH_002	12	13.5				
STCDH_002	13.5	15				
STCDH_002	15	16				
STCDH_002	16	17				
STCDH_002	17	18				
STCDH_002	18	19				
STCDH_002	19	20				
STCDH_002	20	21				
STCDH_002	21	22.5				
STCDH_002	22.5	24				
STCDH_002	24	25				
STCDH_002	25	26				
STCDH_002	26	27				
STCDH_002	27	28				
STCDH_002	28	29				
STCDH_002	29	30				
STCDH_002	30	31				
STCDH_002	31	32				
STCDH_002	32	33				
STCDH_002	33	34				
STCDH_002	34	35				
STCDH_002	35	36				
STCDH_002	36	37				
STCDH_002	37	38				
STCDH_002	38	39				
STCDH_002	39	40				
STCDH_002	40	41				

STCDH_002	41	42				
STCDH_002	42	43				
STCDH_002	43	44				
STCDH_002	44	45				
STCDH_002	45	46				
STCDH_002	46	47				
STCDH_002	47	48.18				
STCDH_002	48.18	49				
STCDH_002	49	49.470001				
STCDH_002	49.470001	50				
STCDH_002	50	51				
STCDH_002	51	52				
STCDH_002	52	53				
STCDH_002	53	54				
STCDH_002	54	55.5				
STCDH_002	55.5	57				
STCDH_002	57	58				
STCDH_002	58	59				
STCDH_002	59	60				
STCDH_002	60	61				
STCDH_002	61	61.5				
STCDH_002	61.5	63				
STCDH_002	63	64.5				
STCDH_002	64.5	66				
STCDH_002	66	67.5				
STCDH_002	67.5	69				
STCDH_002	69	70.5				
STCDH_002	70.5	72				
STCDH_002	72	73.5				
STCDH_002	73.5	75				
STCDH_002	75	76.5				
STCDH_002	76.5	78				
STCDH_002	78	79				
STCDH_002	79	80				
STCDH_021	3	4	169	97500	9.75	1.69E-02
STCDH_021	4	6	147	77300	7.73	0.0147
STCDH_021	7.5	9	1150	47500	4.75	0.115
STCDH_021	13.5	14	222	15600	1.5599999	0.0222
STCDH_021	14	15	230	3160	0.31600001	0.023
STCDH_021	15	16	314	1720	0.17200001	3.14E-02
STCDH_021	16	17.23	568	2280	0.228	0.0568
STCDH_021	17.23	18.299999	5360	28100	2.8099999	0.53600001
STCDH_021	18.299999	19	767	9770	0.977	7.67E-02
STCDH_021	19	20	211	5040	0.50400001	0.0211
STCDH_021	20	21	884	4400	0.44	8.84E-02
STCDH_021	21	22	203	1690	0.169	2.03E-02
STCDH_021	22	23	97	713	0.0713	9.70E-03
STCDH_021	23	24	67	779	0.0779	6.70E-03
STCDH_021	24	25	27	456	4.56E-02	2.70E-03
STCDH_021	25	26	57	594	0.0594	5.70E-03
STCDH_021	26	27	22	258	2.58E-02	0.0022
STCDH_021	27	28	17	356	3.56E-02	0.0017
STCDH_021	28	29	33	188	0.0188	0.0033
STCDH_021	29	30	50	186	0.0186	5.00E-03
STCDH_021	30	31	35	93.5	9.35E-03	3.50E-03
STCDH_021	31	31.33	75	402	4.02E-02	7.50E-03
STCDH_021	31.33	32.200001	44	194	1.94E-02	0.0044
STCDH_021	32.200001	32.900002	444	12200	1.22	4.44E-02
STCDH_021	32.900002	34.200001	111	466	4.66E-02	0.0111
STCDH_021	34.200001	35	242	325	3.25E-02	0.0242
STCDH_021	35	36	213	197	0.0197	2.13E-02
STCDH_021	36	37	267	181	1.81E-02	2.67E-02
STCDH_021	37	38	239	595	5.95E-02	0.0239

STCDH_021	38	39	289	341	0.0341	2.89E-02
STCDH_021	39	40	257	256	2.56E-02	2.57E-02
STCDH_021	40	41	289	539	0.0539	2.89E-02
STCDH_021	41	42	287	408	4.08E-02	0.0287
STCDH_021	42	43	299	445	4.45E-02	2.99E-02
STCDH_021	43	44	318	428	4.28E-02	3.18E-02
STCDH_021	44	45	299	343	3.43E-02	2.99E-02
STCDH_021	45	46	277	356	3.56E-02	0.0277
STCDH_021	46	47	276	376	3.76E-02	0.0276
STCDH_021	47	48	259	396	0.0396	2.59E-02
STCDH_021	48	49	200	248	2.48E-02	0.02
STCDH_021	49	50	-1	-0.5	-5.00E-05	-1.00E-04
STCDH_021	50	51	254	227	2.27E-02	0.0254
STCDH_021	51	52	219	225	2.25E-02	0.0219
STCDH_021	52	53	310	306	0.0306	3.10E-02
STCDH_021	53	54	359	225	2.25E-02	0.0359
STCDH_021	54	55	335	237	2.37E-02	3.35E-02
STCDH_021	55	56	348	196	0.0196	0.0348
STCDH_021	56	57	362	145	0.0145	3.62E-02
STCDH_021	57	58	338	176	0.0176	3.38E-02
STCDH_021	58	59	332	182	1.82E-02	3.32E-02
STCDH_021	59	60	345	115	0.0115	3.45E-02
STCDH_021	60	61	334	171	1.71E-02	3.34E-02
STCDH_021	61	62	336	154	0.0154	3.36E-02
STCDH_021	62	63	340	134	0.0134	3.40E-02
STCDH_021	63	64	362	114	0.0114	3.62E-02
STCDH_021	64	65	366	168	1.68E-02	3.66E-02
STCDH_021	65	66	407	133	0.0133	0.0407
STCDH_021	66	67	354	161	1.61E-02	3.54E-02
STCDH_021	67	68	359	68.300003	6.83E-03	0.0359
STCDH_021	68	69	316	86.699997	8.67E-03	3.16E-02
STCDH_021	69	70	334	124	0.0124	3.34E-02
STCDH_021	70	71	410	218	0.0218	4.10E-02
STCDH_021	71	72	473	418	0.0418	0.0473
STCDH_021	72	73	441	476	4.76E-02	4.41E-02
STCDH_021	73	74	486	535	0.0535	4.86E-02
STCDH_021	74	75	330	597	5.97E-02	0.033
STCDH_021	75	76	187	309	0.0309	0.0187
STCDH_021	76	77	260	212	2.12E-02	2.60E-02
STCDH_021	77	78	440	256	2.56E-02	0.044
STCDH_021	78	79	385	230	0.023	0.0385
STCDH_021	79	80	205	255	0.0255	2.05E-02
STCDH_021	80	81	172	330	0.033	1.72E-02
STCDH_021	81	82	322	278	2.78E-02	3.22E-02
STCDH_021	82	83	288	181	1.81E-02	0.0288
STCDH_021	83	84	303	246	2.46E-02	3.03E-02
STCDH_021	84	85	330	227	2.27E-02	0.033
STCDH_021	85	86	213	103	0.0103	2.13E-02
STCDH_021	86	87	303	93.800003	9.38E-03	3.03E-02
STCDH_021	87	88	290	188	0.0188	2.90E-02
STCDH_021	88	89	249	158	1.58E-02	2.49E-02
STCDH_021	89	90	346	144	0.0144	3.46E-02
STCDH_021	90	91	291	167	0.0167	2.91E-02
STCDH_021	91	92	309	124	0.0124	0.0309
STCDH_021	92	93	274	115	0.0115	0.0274
STCDH_021	93	94	287	122	0.0122	0.0287
STCDH_021	94	95	296	139	0.0139	0.0296
STCDH_021	95	96	172	134	0.0134	1.72E-02
STCDH_021	96	97	265	108	0.0108	0.0265
STCDH_021	97	98.230003	260	200	0.02	2.60E-02
STCDH_022	0	1	155	130000	13	0.0155
STCDH_022	1	2	34	60200	6.02	0.0034
STCDH_022	2	3	33	50300	5.0300002	0.0033

STCDH_022	3	4	98	135000	13.5	9.80E-03
STCDH_022	4	5	280	298000	29.799999	2.80E-02
STCDH_022	5	6	324	114000	11.4	3.24E-02
STCDH_022	6	7	101	69700	6.9699998	0.0101
STCDH_022	7	8	883	138000	13.8	8.83E-02
STCDH_022	8	9	574	150000	15	5.74E-02
STCDH_022	9	10	410	153000	15.3	4.10E-02
STCDH_022	10	11	79	97800	9.7799997	7.90E-03
STCDH_022	11	12	38	14700	1.47	3.80E-03
STCDH_022	12	13	376	62400	6.2399998	3.76E-02
STCDH_022	13	14	28	4670	0.46700001	2.80E-03
STCDH_022	14	15.15	126	25400	2.54	0.0126
STCDH_022	15.15	16	1340	119000	11.9	0.134
STCDH_022	16	17.299999	2330	69700	6.9699998	0.233
STCDH_022	18.799999	20	2670	98300	9.8299999	0.26699999
STCDH_022	20	21	924	225000	22.5	9.24E-02
STCDH_022	21	22	1610	80300	8.0299997	0.161
STCDH_022	22	23	1500	90900	9.0900002	0.15000001
STCDH_022	23	24	214	61900	6.1900001	2.14E-02
STCDH_022	24	25	1220	96600	9.6599998	0.122
STCDH_022	25	26	1410	75400	7.54	0.141
STCDH_022	26	27	412	46700	4.6700001	4.12E-02
STCDH_022	27	27.9	193	7910	0.79100001	1.93E-02
STCDH_022	27.9	29	2020	71400	7.1399999	0.20200001
STCDH_022	29	30	3670	26400	2.6400001	0.36700001
STCDH_022	30	31	13900	39500	3.95	1.39
STCDH_022	31	32	23600	45300	4.5300002	2.3599999
STCDH_022	32	33	15500	16700	1.67	1.55
STCDH_022	33	34	4070	12700	1.27	0.40700001
STCDH_022	34	35.130001	1540	81800	8.1800003	0.154
STCDH_022	35.130001	36	2390	20000	2	0.23899999
STCDH_022	36	37	1630	32700	3.27	0.163
STCDH_022	37	38	132	26400	2.6400001	0.0132
STCDH_022	38	39	67	37900	3.79	6.70E-03
STCDH_022	39	40	737	29500	2.95	7.37E-02
STCDH_022	40	41	81	36600	3.6600001	8.10E-03
STCDH_022	41	42	444	27400	2.74	4.44E-02
STCDH_022	42	43	423	25100	2.51	4.23E-02
STCDH_022	43	44	140	6030	0.60299999	0.014
STCDH_022	44	45	167	7060	0.70599997	0.0167
STCDH_022	45	46	184	10700	1.0700001	0.0184
STCDH_022	46	47.299999	260	9010	0.90100002	2.60E-02
STCDH_022	47.299999	49	527	12700	1.27	5.27E-02
STCDH_022	49	50	4490	36800	3.6800001	0.449
STCDH_022	50	51	972	36500	3.6500001	9.72E-02
STCDH_022	51	52	1340	50800	5.0799999	0.134
STCDH_022	52	53	363	70500	7.0500002	0.0363
STCDH_022	53	54	2290	59100	5.9099998	0.229
STCDH_022	54	55	3570	46600	4.6599998	0.35699999
STCDH_022	55	55.740002	9950	66800	6.6799998	0.995
STCDH_022	55.740002	57	1430	1890	0.189	0.14300001
STCDH_022	57	58.5	59	114	0.0114	5.90E-03
STCDH_022	58.5	60	35	818	8.18E-02	3.50E-03
STCDH_022	60	61.5	13	66	0.0066	0.0013
STCDH_022	61.5	63	9	56.099998	5.61E-03	9.00E-04
STCDH_022	63	64.5	19	30.5	3.05E-03	0.0019
STCDH_022	64.5	66	33	75.599998	7.56E-03	0.0033
STCDH_022	66	67.5	44	90.800003	9.08E-03	0.0044
STCDH_022	67.5	69	38	38.200001	0.00382	3.80E-03
STCDH_022	69	70.5	69	395	3.95E-02	6.90E-03
STCDH_022	70.5	72	210	576	5.76E-02	0.021
STCDH_022	72	73.5	42	55.799999	5.58E-03	4.20E-03
STCDH_022	73.5	75	34	26.299999	0.00263	0.0034

STCDH_022	75	76.5	47	49.099998	4.91E-03	4.70E-03
STCDH_022	76.5	78	46	31.799999	0.00318	4.60E-03
STCDH_022	78	79.5	60	44.400002	4.44E-03	6.00E-03
STCDH_022	79.5	81	66	28.5	0.00285	0.0066
STCDH_022	81	82.5	66	25.4	0.00254	0.0066
STCDH_022	82.5	83.75	2330	155	0.0155	0.233
STCDH_022	83.75	85	1090	38100	3.8099999	0.109
STCDH_022	85	86	864	43900	4.3899999	8.64E-02
STCDH_022	86	87	1350	34700	3.47	0.13500001
STCDH_022	87	88	729	21000	2.0999999	7.29E-02
STCDH_022	88	88.580002	1220	35200	3.52	0.122
STCDH_022	88.580002	89	1250	9880	0.98799998	0.125
STCDH_022	89	90	252	4680	0.46799999	0.0252
STCDH_022	90	91	181	2310	0.23100001	1.81E-02
STCDH_022	91	92	168	4450	0.44499999	1.68E-02
STCDH_022	92	93	153	12400	1.24	0.0153
STCDH_022	93	94	180	9700	0.97000003	1.80E-02
STCDH_022	94	95	185	5740	0.574	0.0185
STCDH_022	95	96	2390	13800	1.38	0.23899999
STCDH_022	96	97	3820	6320	0.63200003	0.382
STCDH_022	97	98	121	2590	0.259	0.0121
STCDH_022	98	99	525	12200	1.22	5.25E-02
STCDH_022	99	100	271	4090	0.40900001	2.71E-02
STCDH_022	100	101	671	2200	0.22	6.71E-02
STCDH_022	101	102	398	2630	0.26300001	3.98E-02
STCDH_022	102	103	445	5230	0.523	4.45E-02
STCDH_022	103	104	56	4620	0.46200001	5.60E-03
STCDH_022	104	105	470	6770	0.67699999	4.70E-02
STCDH_022	105	106	395	14500	1.45	3.95E-02
STCDH_022	106	106.9	78	14300	1.4299999	7.80E-03
STCDH_022	106.9	108	216	33300	3.3299999	2.16E-02
STCDH_022	108	109	179	15800	1.58	1.79E-02
STCDH_022	109	110	170	14000	1.4	1.70E-02
STCDH_022	110	111	63	15400	1.54	0.0063
STCDH_022	111	112	76	15900	1.59	7.60E-03
STCDH_022	112	113	177	21900	2.1900001	0.0177
STCDH_022	113	114	282	31800	3.1800001	2.82E-02
STCDH_022	114	115	94	16200	1.62	9.40E-03
STCDH_022	115	116	415	12700	1.27	4.15E-02
STCDH_022	116	117	124	9930	0.99299997	0.0124
STCDH_022	117	118	525	13400	1.34	5.25E-02
STCDH_022	118	119	139	5870	0.58700001	0.0139
STCDH_022	119	120	76	2780	0.278	7.60E-03
STCDH_022	120	121	111	9430	0.94300002	0.0111
STCDH_022	121	122	132	8940	0.89399999	0.0132
STCDH_022	122	123	241	12500	1.25	0.0241
STCDH_022	123	124	65	12300	1.23	6.50E-03
STCDH_022	124	125	44	13700	1.37	0.0044
STCDH_022	125	125.85	59	5710	0.57099998	5.90E-03
STCDH_022	125.85	127	63	17600	1.76	0.0063
STCDH_022	127	128	59	8460	0.84600002	5.90E-03
STCDH_022	128	129	103	7080	0.708	0.0103
STCDH_022	129	130	137	6020	0.602	0.0137
STCDH_022	130	131	46	4950	0.495	4.60E-03
STCDH_022	131	132	68	5440	0.54400003	6.80E-03
STCDH_022	132	133	81	6700	0.67000002	8.10E-03
STCDH_022	133	134	221	9740	0.97399998	0.0221
STCDH_022	134	135	52	2740	0.27399999	0.0052
STCDH_022	135	136	38	1690	0.169	3.80E-03
STCDH_022	136	137	42	3550	0.35499999	4.20E-03
STCDH_022	137	138	36	2830	0.28299999	3.60E-03
STCDH_022	138	139	33	3610	0.361	0.0033
STCDH_022	139	140	32	1870	0.18700001	3.20E-03

STCDH_022	140	141	267	7080	0.708	2.67E-02
STCDH_022	141	141.34	483	36200	3.6199999	4.83E-02
STCDH_022	141.34	142	533	27100	2.71	5.33E-02
STCDH_022	142	143	202	24600	2.46	2.02E-02
STCDH_022	143	144	318	37300	3.73	3.18E-02
STCDH_022	144	145	584	35500	3.55	5.84E-02
STCDH_022	145	145.75	1540	42900	4.29	0.154
STCDH_022	145.75	147	2140	18900	1.89	0.214
STCDH_022	147	148	771	11100	1.11	7.71E-02
STCDH_022	148	149	381	11100	1.11	0.0381
STCDH_022	149	150	77	9750	0.97500002	0.0077
STCDH_022	150	151	48	12500	1.25	4.80E-03
STCDH_022	151	152	161	7900	0.79000002	1.61E-02
STCDH_022	152	153	38	11500	1.15	3.80E-03
STCDH_022	153	154	25	8150	0.815	2.50E-03
STCDH_022	154	155	27	10600	1.0599999	2.70E-03
STCDH_022	155	156	40	2010	0.20100001	4.00E-03
STCDH_022	156	157	35	3650	0.36500001	3.50E-03
STCDH_022	157	158	29	3610	0.361	0.0029
STCDH_022	158	159	30	3830	0.38299999	0.003
STCDH_022	159	160	48	4770	0.477	4.80E-03
STCDH_022	160	161	176	51900	5.1900001	0.0176
STCDH_022	161	162	29	21000	2.0999999	0.0029
STCDH_022	162	163	28	6490	0.64899999	2.80E-03
STCDH_022	163	164	29	13700	1.37	0.0029
STCDH_022	164	165	28	13800	1.38	2.80E-03
STCDH_022	165	166	12	40200	4.02	1.20E-03
STCDH_022	166	167	24	6690	0.66900003	2.40E-03
STCDH_022	167	168	162	19400	1.9400001	0.0162
STCDH_022	168	169	32	22100	2.21	3.20E-03
STCDH_022	169	170	23	6970	0.69700003	2.30E-03
STCDH_022	170	171.5	873	6600	0.66000003	8.73E-02
STCDH_022	171.5	172.14	1940	48600	4.8600001	0.19400001
STCDH_022	172.14	173	878	6820	0.68199998	8.78E-02
STCDH_022	173	175	62	70.300003	7.03E-03	6.20E-03
STCDH_022	175	177	46	53.099998	5.31E-03	4.60E-03
STCDH_022	177	179	57	154	0.0154	5.70E-03
STCDH_022	179	181	85	52.5	5.25E-03	8.50E-03
STCDH_022	181	182.85001	164	74.099998	7.41E-03	0.0164
STCDH_023	0	1	151	75000	7.5	0.0151
STCDH_023	1	2	159	60600	6.0599999	1.59E-02
STCDH_023	2	3.5	105	42200	4.2199998	0.0105
STCDH_023	3.5	5	370	92900	9.29	0.037
STCDH_023	5	6	395	49400	4.9400001	3.95E-02
STCDH_023	6	7	128	35700	3.5699999	0.0128
STCDH_023	7	8	152	12500	1.25	0.0152
STCDH_023	8	9	85	1020	0.102	8.50E-03
STCDH_023	9	10	149	32900	3.29	0.0149
STCDH_023	10	11	164	24200	2.4200001	0.0164
STCDH_023	11	12	505	38300	3.8299999	5.05E-02
STCDH_023	12	13	47	18600	1.86	4.70E-03
STCDH_023	13	14	271	113000	11.3	2.71E-02
STCDH_023	14	15	75	34600	3.46	7.50E-03
STCDH_023	15	16	50	26400	2.6400001	5.00E-03
STCDH_023	16	17	156	46000	4.5999999	0.0156
STCDH_023	17	18	111	36100	3.6099999	0.0111
STCDH_023	18	19	15	4290	0.42899999	0.0015
STCDH_023	19	20	54	55300	5.5300002	5.40E-03
STCDH_023	20	21	2480	150000	15	0.248
STCDH_023	21	22	3550	147000	14.7	0.35499999
STCDH_023	22	23	722	131000	13.1	0.0722
STCDH_023	23	24	257	89100	8.9099998	2.57E-02
STCDH_023	24	25	437	42600	4.2600002	4.37E-02

STCDH_023	25	26	932	74300	7.4299998	9.32E-02
STCDH_023	26	27	742	109000	10.9	7.42E-02
STCDH_023	27	28	1120	151000	15.1	0.112
STCDH_023	28	28.75	1980	96500	9.6499996	0.198
STCDH_023	28.75	30	110	11900	1.1900001	0.011
STCDH_023	30	31	1120	101000	10.1	0.112
STCDH_023	31	32	2320	100000	10	0.23199999
STCDH_023	32	33	1760	101000	10.1	0.176
STCDH_023	33	34	2970	103000	10.3	0.29699999
STCDH_023	34	35	1860	79100	7.9099998	0.186
STCDH_023	35	36	3250	64100	6.4099998	0.32499999
STCDH_023	36	37	254	33900	3.3900001	0.0254
STCDH_023	37	38	33	5610	0.56099999	0.0033
STCDH_023	38	39.169998	37	18800	1.88	0.0037
STCDH_023	39.169998	40	59	35200	3.52	5.90E-03
STCDH_023	40	41	140	62300	6.23	0.014
STCDH_023	41	42	70	20800	2.0799999	7.00E-03
STCDH_023	42	43	193	137000	13.7	1.93E-02
STCDH_023	43	44	108	25500	2.55	0.0108
STCDH_023	44	45	58	38100	3.8099999	5.80E-03
STCDH_023	45	46	170	23400	2.3399999	1.70E-02
STCDH_023	46	47	219	16900	1.6900001	0.0219
STCDH_023	47	48	287	40800	4.0799999	0.0287
STCDH_023	48	49	550	28900	2.8900001	0.055
STCDH_023	49	50	248	18800	1.88	2.48E-02
STCDH_023	50	51	155	50300	5.0300002	0.0155
STCDH_023	51	52	56	20100	2.01	5.60E-03
STCDH_023	52	53	70	43600	4.3600001	7.00E-03
STCDH_023	53	54	62	39100	3.9100001	6.20E-03
STCDH_023	54	55	51	3910	0.391	5.10E-03
STCDH_023	55	56	210	10800	1.08	0.021
STCDH_023	56	57	56	10100	1.01	5.60E-03
STCDH_023	57	58	209	109000	10.9	0.0209
STCDH_023	58	59	73	42400	4.2399998	7.30E-03
STCDH_023	59	60	152	17300	1.73	0.0152
STCDH_023	60	61	81	12000	1.2	8.10E-03
STCDH_023	61	62	217	7560	0.75599998	0.0217
STCDH_023	62	63	206	4860	0.486	0.0206
STCDH_023	63	64	108	2390	0.23899999	0.0108
STCDH_023	64	65	201	13600	1.36	2.01E-02
STCDH_023	65	66	107	3390	0.33899999	0.0107
STCDH_023	66	67	147	12500	1.25	0.0147
STCDH_023	67	68	205	21500	2.1500001	2.05E-02
STCDH_023	68	69	101	3620	0.36199999	0.0101
STCDH_023	69	70	117	11300	1.13	0.0117
STCDH_023	70	71	292	14500	1.45	2.92E-02
STCDH_023	71	72	606	14000	1.4	6.06E-02
STCDH_023	72	73	290	3130	0.31299999	2.90E-02
STCDH_023	73	74	81	9230	0.92299998	8.10E-03
STCDH_023	74	75	37	11200	1.12	0.0037
STCDH_023	75	76	30	3650	0.36500001	0.003
STCDH_023	76	77.5	39	1580	0.15800001	3.90E-03
STCDH_023	77.5	82	404	18800	1.88	4.04E-02
STCDH_023	82	83	1290	37900	3.79	0.12899999
STCDH_023	83	85	116	25600	2.5599999	0.0116
STCDH_023	85	86	21	13600	1.36	2.10E-03
STCDH_023	86	87	111	52600	5.2600002	0.0111
STCDH_023	87	88	46	10900	1.09	4.60E-03
STCDH_023	88	89	100	8720	0.87199998	1.00E-02
STCDH_023	89	90	90	4640	0.46399999	9.00E-03
STCDH_023	90	91	74	6820	0.68199998	0.0074
STCDH_023	91	92	71	7610	0.76099998	0.0071
STCDH_023	92	95.300003	368	11900	1.1900001	3.68E-02

STCDH_023	95.300003	96	195	28800	2.8800001	0.0195
STCDH_023	96	97	180	50500	5.0500002	1.80E-02
STCDH_023	97	99.800003	182	67400	6.7399998	1.82E-02
STCDH_023	99.800003	101	1030	11000	1.1	0.103
STCDH_023	101	102	978	13100	1.3099999	9.78E-02
STCDH_023	102	103	999	24600	2.46	0.0999
STCDH_023	103	106.5	874	29300	2.9300001	8.74E-02
STCDH_023	106.5	107	1350	95500	9.5500002	0.13500001
STCDH_023	107	108	426	44600	4.46	4.26E-02
STCDH_023	108	108.8	893	72200	7.2199998	8.93E-02
STCDH_023	118.8	120	833	71300	7.1300001	8.33E-02
STCDH_023	120	121	114	5870	0.58700001	0.0114
STCDH_023	121	122	55	4060	0.40599999	0.0055
STCDH_023	122	123.3	49	5900	0.58999997	4.90E-03
STCDH_023	123.3	124	114	21000	2.0999999	0.0114
STCDH_023	124	124.9	65	24900	2.49	6.50E-03
STCDH_023	124.9	126	41	12400	1.24	0.0041
STCDH_023	126	127	41	12400	1.24	0.0041
STCDH_023	127	128	45	2660	0.266	4.50E-03
STCDH_023	128	129	65	2990	0.29899999	6.50E-03
STCDH_023	129	130	470	15900	1.59	4.70E-02
STCDH_023	130	131	40	10700	1.0700001	4.00E-03
STCDH_023	131	132	98	21800	2.1800001	9.80E-03
STCDH_023	132	133	168	28400	2.8399999	1.68E-02
STCDH_023	133	134	109	36000	3.5999999	0.0109
STCDH_023	134	135	589	57500	5.75	5.89E-02
STCDH_023	135	136	505	44400	4.4400001	5.05E-02
STCDH_023	136	137	329	37900	3.79	3.29E-02
STCDH_023	137	138	50	9170	0.917	5.00E-03
STCDH_023	138	139	33	4920	0.49200001	0.0033
STCDH_023	139	140.3	37	5110	0.51099998	0.0037
STCDH_023	140.3	141	37	6830	0.68300003	0.0037
STCDH_023	141	142	45	13300	1.33	4.50E-03
STCDH_023	142	142.89999	46	15500	1.55	4.60E-03
STCDH_023	142.89999	144	54	25600	2.5599999	5.40E-03
STCDH_023	144	145	36	6450	0.64499998	3.60E-03
STCDH_023	145	146	42	7050	0.70499998	4.20E-03
STCDH_023	146	147	36	6800	0.68000001	3.60E-03
STCDH_023	147	148	47	12000	1.2	4.70E-03
STCDH_023	148	149	35	2350	0.235	3.50E-03
STCDH_023	149	150	53	6740	0.67400002	5.30E-03
STCDH_023	150	151	26	3700	0.37	0.0026
STCDH_023	151	152	31	4770	0.477	3.10E-03
STCDH_023	152	153	28	6670	0.667	2.80E-03
STCDH_023	153	154	39	6010	0.60100001	3.90E-03
STCDH_023	154	155	28	2110	0.211	2.80E-03
STCDH_023	155	156	393	2630	0.26300001	3.93E-02
STCDH_023	156	157	194	2620	0.26199999	1.94E-02
STCDH_023	157	158	110	4200	0.41999999	0.011
STCDH_023	158	158.78	144	8170	0.81699997	0.0144
STCDH_023	158.78	159.8	265	4330	0.433	0.0265
STCDH_023	159.8	160.60001	16	404	4.04E-02	0.0016
STCDH_023	160.60001	161	10	143	0.0143	0.001
STCDH_023	161	162	14	206	0.0206	0.0014
STCDH_023	162	162.5	7	189	0.0189	7.00E-04
STCDH_023	162.5	163	26	253	0.0253	0.0026
STCDH_023	163	164	34	355	3.55E-02	0.0034
STCDH_023	164	164.74001	76	604	6.04E-02	7.60E-03
STCDH_023	164.74001	165	81	1240	0.124	8.10E-03
STCDH_023	165	166	33	6360	0.63599998	0.0033
STCDH_023	166	167	32	3700	0.37	3.20E-03
STCDH_023	167	168	28	3200	0.31999999	2.80E-03
STCDH_023	168	169	27	4600	0.46000001	2.70E-03

STCDH_023	169	170	72	7640	0.764	7.20E-03
STCDH_023	170	171	738	11800	1.1799999	7.38E-02
STCDH_023	171	172	343	12200	1.22	3.43E-02
STCDH_023	172	173	131	3740	0.37400001	0.0131
STCDH_023	173	174	1690	1600	0.16	0.169
STCDH_023	174	174.3	320	89.900002	0.00899	3.20E-02
STCDH_023	174.3	175	206	48200	4.8200002	0.0206
STCDH_023	175	176	41	58900	5.8899999	0.0041
STCDH_023	176	177	43	56800	5.6799998	4.30E-03
STCDH_023	177	178	186	39200	3.9200001	0.0186
STCDH_023	178	179	242	60400	6.04	0.0242
STCDH_023	179	179.55	174	51500	5.1500001	0.0174
STCDH_023	179.55	180	53	79100	7.9099998	5.30E-03
STCDH_023	180	180.55	767	38000	3.8	7.67E-02
STCDH_023	180.55	182	21	34000	3.4000001	2.10E-03
STCDH_023	182	182.7	122	38600	3.8599999	0.0122
STCDH_023	182.7	184	614	4420	0.442	0.0614
STCDH_023	184	185	51	71	0.0071	5.10E-03
STCDH_023	185	186	57	48.299999	0.00483	5.70E-03
STCDH_023	186	187	60	101	0.0101	6.00E-03
STCDH_023	187	188	58	43.700001	4.37E-03	5.80E-03
STCDH_023	188	189	71	27	2.70E-03	0.0071
STCDH_023	189	190	77	52.700001	5.27E-03	0.0077
STCDH_023	190	191	66	79.5	7.95E-03	0.0066
STCDH_023	191	192	63	16	0.0016	0.0063
STCDH_023	192	193	61	15.7	0.00157	6.10E-03
STCDH_023	193	194	67	10.8	1.08E-03	6.70E-03
STCDH_023	194	195	61	10.9	1.09E-03	6.10E-03
STCDH_023	195	196	61	13.4	0.00134	6.10E-03
STCDH_023	196	197	55	11	0.0011	0.0055
STCDH_023	197	198	51	27.700001	2.77E-03	5.10E-03
STCDH_023	198	199	62	67.5	6.75E-03	6.20E-03
STCDH_023	199	199.5	78	40	4.00E-03	7.80E-03
STCDH_023	199.5	200	299	1440	0.14399999	2.99E-02
STCDH_023	200	201	58	12300	1.23	5.80E-03
STCDH_023	201	202	562	3190	0.31900001	5.62E-02
STCDH_023	202	203	1430	2160	0.21600001	0.14300001
STCDH_023	203	204	799	5920	0.59200001	7.99E-02
STCDH_023	204	205	545	5040	0.50400001	5.45E-02
STCDH_023	205	206	475	14000	1.4	4.75E-02
STCDH_023	206	207	719	12600	1.26	7.19E-02
STCDH_023	207	207.5	559	10600	1.0599999	0.0559
STCDH_023	207.5	208	573	2680	0.26800001	5.73E-02
STCDH_023	208	209	442	1950	0.19499999	4.42E-02
STCDH_023	209	210	394	2740	0.27399999	0.0394
STCDH_023	210	211	770	3880	0.38800001	0.077
STCDH_023	211	212	264	7890	0.78899997	0.0264
STCDH_023	212	213	101	3250	0.32499999	0.0101
STCDH_023	213	214	868	12700	1.27	8.68E-02
STCDH_023	214	215	1830	1280	0.12800001	0.183
STCDH_023	215	216	2020	1110	0.111	0.20200001
STCDH_023	216	217	2230	1110	0.111	0.223
STCDH_023	217	218	2530	5930	0.59299999	0.25299999
STCDH_023	218	219	1150	3290	0.329	0.115
STCDH_023	219	220	1340	3210	0.32100001	0.134
STCDH_023	220	221	1340	736	7.36E-02	0.134
STCDH_023	221	222	327	2220	0.222	3.27E-02
STCDH_023	222	223	443	789	7.89E-02	4.43E-02
STCDH_023	223	224	556	551	5.51E-02	5.56E-02
STCDH_023	224	225	683	116	0.0116	6.83E-02
STCDH_023	225	226	608	60	6.00E-03	6.08E-02
STCDH_023	226	227	984	50.099998	0.00501	9.84E-02
STCDH_023	227	228	1200	98.400002	9.84E-03	0.12

STCDH_023	228	229	1310	206	0.0206	0.131
STCDH_023	229	230	502	627	6.27E-02	0.0502
STCDH_023	230	231	962	148	0.0148	9.62E-02
STCDH_023	231	231.8	301	22	0.0022	3.01E-02
STCDH_025	0	1	3520	28800	2.8800001	0.352
STCDH_025	1	2	9580	34900	3.49	0.958
STCDH_025	2	3	3860	18600	1.86	0.38600001
STCDH_025	3	4	17100	33300	3.3299999	1.71
STCDH_025	4	5	9780	82700	8.2700005	0.97799999
STCDH_025	5	6	1430	20100	2.01	0.14300001
STCDH_025	6	7	1680	22400	2.24	0.168
STCDH_025	7	8	223	13100	1.3099999	2.23E-02
STCDH_025	8	9	191	9630	0.963	1.91E-02
STCDH_025	9	10	116	2580	0.25799999	0.0116
STCDH_025	10	11	84	3970	0.39700001	8.40E-03
STCDH_025	11	12	82	2710	0.271	0.0082
STCDH_025	12	13	102	6690	0.66900003	0.0102
STCDH_025	13	14	93	4810	0.48100001	0.0093
STCDH_025	14	15	80	2860	0.28600001	8.00E-03
STCDH_025	15	16	94	6160	0.616	9.40E-03
STCDH_025	16	17	200	6960	0.69599998	0.02
STCDH_025	17	18	82	4310	0.43099999	0.0082
STCDH_025	18	19	125	1450	0.145	0.0125
STCDH_025	19	20.1	99	5390	0.53899997	9.90E-03
STCDH_025	20.1	21	170	1020	0.102	1.70E-02
STCDH_025	21	22	74	1190	0.119	0.0074
STCDH_025	22	23	168	2140	0.214	1.68E-02
STCDH_025	23	24	54	1350	0.13500001	5.40E-03
STCDH_025	24	25	105	1660	0.16599999	0.0105
STCDH_025	25	26	283	1710	0.171	0.0283
STCDH_025	26	27	53	1440	0.14399999	5.30E-03
STCDH_025	27	28	188	2740	0.27399999	0.0188
STCDH_025	28	29	347	2350	0.235	3.47E-02
STCDH_025	29	30	246	1590	0.15899999	2.46E-02
STCDH_025	30	31	143	1540	0.154	0.0143
STCDH_025	31	32	487	5130	0.51300001	4.87E-02
STCDH_025	32	33	1100	28100	2.8099999	0.11
STCDH_025	33	34	394	8890	0.889	0.0394
STCDH_025	34	35	567	3560	0.35600001	5.67E-02
STCDH_025	35	36	238	3640	0.36399999	2.38E-02
STCDH_025	36	37	813	6480	0.648	8.13E-02
STCDH_025	37	38	270	3420	0.34200001	2.70E-02
STCDH_025	38	39	569	2630	0.26300001	5.69E-02
STCDH_025	39	39.700001	191	1260	0.126	1.91E-02
STCDH_025	39.700001	41	250	9660	0.96600002	0.025
STCDH_025	41	42.5	308	7930	0.79299998	0.0308
STCDH_025	42.5	44	811	6740	0.67400002	8.11E-02
STCDH_025	44	45	3460	12300	1.23	0.34599999
STCDH_025	45	46	395	3430	0.34299999	3.95E-02
STCDH_025	46	47	392	2920	0.292	0.0392
STCDH_025	47	48	1650	15900	1.59	0.16500001
STCDH_025	48	49	708	6170	0.61699998	7.08E-02
STCDH_025	49	50	973	3290	0.329	0.0973
STCDH_025	50	51	198	18100	1.8099999	0.0198
STCDH_025	51	52	54	15500	1.55	5.40E-03
STCDH_025	52	53	92	44300	4.4299998	9.20E-03
STCDH_025	53	54	849	37400	3.74	8.49E-02
STCDH_025	54	55	384	20800	2.0799999	3.84E-02
STCDH_025	55	56	154	22300	2.23	0.0154
STCDH_025	56	57.5	31	1830	0.183	3.10E-03
STCDH_025	57.5	59	36	6010	0.60100001	3.60E-03
STCDH_025	59	60	153	36400	3.6400001	0.0153
STCDH_025	60	61	69	8870	0.88700002	6.90E-03

STCDH_025	61	62	74	18900	1.89	0.0074
STCDH_025	62	63	173	25600	2.5599999	0.0173
STCDH_025	63	64	152	25000	2.5	0.0152
STCDH_025	64	65	85	13300	1.33	8.50E-03
STCDH_025	65	65.900002	66	27200	2.72	0.0066
STCDH_025	65.900002	67	220	30200	3.02	0.022
STCDH_025	67	68	273	16000	1.6	0.0273
STCDH_025	68	69	222	19100	1.91	0.0222
STCDH_025	69	70	186	14300	1.4299999	0.0186
STCDH_025	70	71.5	443	14000	1.4	4.43E-02
STCDH_025	71.5	72.5	314	21200	2.1199999	3.14E-02
STCDH_025	72.5	74	400	10400	1.04	4.00E-02
STCDH_025	74	75.5	1150	6870	0.68699998	0.115
STCDH_025	78.5	80	373	14200	1.42	3.73E-02
STCDH_025	80	81.5	151	16100	1.61	0.0151
STCDH_025	81.5	83	1410	26300	2.6300001	0.141
STCDH_025	83	84.5	760	37200	3.72	7.60E-02
STCDH_025	84.5	86	292	14100	1.41	2.92E-02
STCDH_025	86	87	244	19100	1.91	0.0244
STCDH_025	87	88	102	4340	0.43399999	0.0102
STCDH_025	88	89	107	6050	0.60500002	0.0107
STCDH_025	89	90	73	8240	0.824	7.30E-03
STCDH_025	90	91.5	47	1720	0.17200001	4.70E-03
STCDH_025	91.5	93	38	4390	0.43900001	3.80E-03
STCDH_025	93	95	63	8920	0.89200002	0.0063
STCDH_025	95	96	38	1600	0.16	3.80E-03
STCDH_025	96	97	87	8370	0.83700001	8.70E-03
STCDH_025	97	98	50	9180	0.91799998	5.00E-03
STCDH_025	98	99	42	7500	0.75	4.20E-03
STCDH_025	99	100	253	6850	0.685	0.0253
STCDH_025	100	101	55	6980	0.69800001	0.0055
STCDH_025	101	102	35	21500	2.1500001	3.50E-03
STCDH_025	102	103	35	7360	0.736	3.50E-03
STCDH_025	103	104	41	15400	1.54	0.0041
STCDH_025	104	105	46	21600	2.1600001	4.60E-03
STCDH_025	105	106	51	10800	1.08	5.10E-03
STCDH_025	106	107	48	9750	0.97500002	4.80E-03
STCDH_025	107	108	43	5950	0.59500003	4.30E-03
STCDH_025	108	109	41	4460	0.44600001	0.0041
STCDH_025	109	110	40	6110	0.611	4.00E-03
STCDH_025	110	111	43	10800	1.08	4.30E-03
STCDH_025	111	112	47	5060	0.50599998	4.70E-03
STCDH_025	112	113	44	6980	0.69800001	0.0044
STCDH_025	113	114	333	22700	2.27	3.33E-02
STCDH_025	114	115	54	10200	1.02	5.40E-03
STCDH_025	115	116	41	4450	0.44499999	0.0041
STCDH_025	116	117	48	2510	0.25099999	4.80E-03
STCDH_025	117	118	48	5730	0.57300001	4.80E-03
STCDH_025	118	119	53	6020	0.602	5.30E-03
STCDH_025	119	120	57	14100	1.41	5.70E-03
STCDH_025	120	121	49	13500	1.35	4.90E-03
STCDH_025	121	122	48	9450	0.94499999	4.80E-03
STCDH_025	122	123	53	9130	0.91299999	5.30E-03
STCDH_025	123	124	80	7410	0.741	8.00E-03
STCDH_025	124	125	53	9280	0.92799997	5.30E-03
STCDH_025	125	126	46	20500	2.05	4.60E-03
STCDH_025	126	127	34	8920	0.89200002	0.0034
STCDH_025	127	128	46	12900	1.29	4.60E-03
STCDH_025	128	129	52	8030	0.80299997	0.0052
STCDH_025	129	130	35	4610	0.461	3.50E-03
STCDH_025	130	131	34	3350	0.33500001	0.0034
STCDH_025	131	132	31	5290	0.52899998	3.10E-03
STCDH_025	132	133.3	66	1860	0.186	0.0066

STCDH_025	133.3	134	6160	3560	0.35600001	0.616
STCDH_025	134	135	98	2980	0.29800001	9.80E-03
STCDH_025	135	136	98	2700	0.27000001	9.80E-03
STCDH_025	136	137	229	12300	1.23	0.0229
STCDH_025	137	138	121	8520	0.852	0.0121
STCDH_025	138	139	223	1330	0.133	2.23E-02
STCDH_025	139	140	1230	2970	0.29699999	0.123
STCDH_025	140	141	2560	7530	0.75300002	0.25600001
STCDH_025	141	142	64	3180	0.31799999	6.40E-03
STCDH_025	142	143	97	8350	0.83499998	9.70E-03
STCDH_025	143	144	444	19000	1.9	4.44E-02
STCDH_025	144	145	779	18100	1.8099999	0.0779
STCDH_025	145	146	442	1790	0.17900001	4.42E-02
STCDH_025	146	147	232	1690	0.169	0.0232
STCDH_025	147	148	1080	4970	0.49700001	0.108
STCDH_025	148	149	1160	1640	0.164	0.116
STCDH_025	149	150	158	1570	0.15700001	1.58E-02
STCDH_025	150	151	37	2570	0.257	0.0037
STCDH_025	151	152	78	3040	0.30399999	7.80E-03
STCDH_025	152	153.03999	217	792	0.0792	0.0217
STCDH_025	153.03999	154	-1	-0.5	-5.00E-05	-1.00E-04
STCDH_025	154	155	75	21900	2.1900001	7.50E-03
STCDH_025	155	156	72	27200	2.72	7.20E-03
STCDH_025	156	157	94	22800	2.28	9.40E-03
STCDH_025	157	158	24	19100	1.91	2.40E-03
STCDH_025	158	159	43	33200	3.3199999	4.30E-03
STCDH_025	159	160	96	48300	4.8299999	9.60E-03
STCDH_025	160	161	55	30600	3.0599999	0.0055
STCDH_025	161	162	254	52000	5.1999998	0.0254
STCDH_025	162	163	1010	44900	4.4899998	0.101
STCDH_025	163	164	1650	39200	3.9200001	0.16500001
STCDH_025	164	164.89999	55	43400	4.3400002	0.0055
STCDH_025	164.89999	166	67	50.599998	5.06E-03	6.70E-03
STCDH_025	166	167	61	53.900002	5.39E-03	6.10E-03
STCDH_025	167	168.5	66	37.200001	3.72E-03	0.0066
STCDH_028	0	1.5	48	57.400002	5.74E-03	4.80E-03
STCDH_028	1.5	3	41	50.099998	0.00501	0.0041
STCDH_028	3	4.5	37	18.6	1.86E-03	0.0037
STCDH_028	4.5	6	39	27.799999	0.00278	3.90E-03
STCDH_028	6	7.5	39	33.400002	3.34E-03	3.90E-03
STCDH_028	7.5	9	43	48.5	4.85E-03	4.30E-03
STCDH_028	9	10.5	60	58.200001	5.82E-03	6.00E-03
STCDH_028	10.5	12	72	52.299999	5.23E-03	7.20E-03
STCDH_028	12	13.5	82	48	4.80E-03	0.0082
STCDH_028	13.5	15	87	44.099998	4.41E-03	8.70E-03
STCDH_028	15	16.5	82	55.200001	5.52E-03	0.0082
STCDH_028	16.5	18	75	66.599998	0.00666	7.50E-03
STCDH_028	18	19.5	82	87.699997	8.77E-03	0.0082
STCDH_028	19.5	21	67	74.5	7.45E-03	6.70E-03
STCDH_028	21	22.5	66	81.599998	8.16E-03	0.0066
STCDH_028	22.5	24	65	93.099998	9.31E-03	6.50E-03
STCDH_028	24	27.700001	72	103	0.0103	7.20E-03
STCDH_028	27.700001	29	73	83.300003	8.33E-03	7.30E-03
STCDH_028	29	30.5	66	99.699997	0.00997	0.0066
STCDH_028	30.5	32	70	90.800003	9.08E-03	7.00E-03
STCDH_028	32	33.5	66	80.199997	8.02E-03	0.0066
STCDH_028	33.5	35	71	138	0.0138	0.0071
STCDH_028	35	36.5	75	93.199997	9.32E-03	7.50E-03
STCDH_028	36.5	38	78	132	0.0132	7.80E-03
STCDH_028	38	39.5	95	142	0.0142	9.50E-03
STCDH_028	39.5	41	108	115	0.0115	0.0108
STCDH_028	41	42.5	102	228	0.0228	0.0102
STCDH_028	42.5	44	123	240	0.024	0.0123

STCDH_028	44	45.5	131	182	1.82E-02	0.0131
STCDH_028	45.5	47	132	223	2.23E-02	0.0132
STCDH_028	47	48.5	146	203	2.03E-02	0.0146
STCDH_028	48.5	50	138	440	0.044	0.0138
STCDH_028	50	51.5	109	814	0.0814	0.0109
STCDH_028	51.5	53	114	1340	0.134	0.0114
STCDH_028	53	54.5	115	1770	0.177	0.0115
STCDH_028	54.5	56	132	262	0.0262	0.0132
STCDH_028	56	57.5	304	1570	0.15700001	3.04E-02
STCDH_028	57.5	58.5	87	219	0.0219	8.70E-03
STCDH_028	58.5	60	51	140	0.014	5.10E-03
STCDH_028	60	61.5	28	128	0.0128	2.80E-03
STCDH_028	61.5	63	53	116	0.0116	5.30E-03
STCDH_028	63	64.5	97	128	0.0128	9.70E-03
STCDH_028	64.5	66	90	146	0.0146	9.00E-03
STCDH_028	66	67.5	56	98.800003	9.88E-03	5.60E-03
STCDH_028	67.5	69	53	43.400002	0.00434	5.30E-03
STCDH_028	69	70.5	81	43.299999	4.33E-03	8.10E-03
STCDH_028	70.5	72	87	33.799999	3.38E-03	8.70E-03
STCDH_028	72	73.5	84	22	0.0022	8.40E-03
STCDH_028	73.5	75	84	18.1	0.00181	8.40E-03
STCDH_028	75	76.5	84	16.299999	0.00163	8.40E-03
STCDH_028	76.5	78	84	10.3	0.00103	8.40E-03
STCDH_028	78	79.5	87	12.4	0.00124	8.70E-03
STCDH_028	79.5	81	48	10	0.001	4.80E-03
STCDH_028	81	82.5	23	77.5	7.75E-03	2.30E-03
STCDH_028	82.5	84	20	16.5	0.00165	2.00E-03
STCDH_028	84	85.5	61	18.9	0.00189	6.10E-03
STCDH_028	85.5	87	76	21.799999	2.18E-03	7.60E-03
STCDH_028	87	88.5	79	22.200001	2.22E-03	7.90E-03
STCDH_028	88.5	90	38	18.1	0.00181	3.80E-03
STCDH_028	90	91.5	15	16.5	0.00165	0.0015
STCDH_028	91.5	93	19	11.8	0.00118	0.0019
STCDH_028	93	94.5	38	13	0.0013	3.80E-03
STCDH_028	94.5	96	28	19.6	0.00196	2.80E-03
STCDH_028	96	97.5	39	32.200001	3.22E-03	3.90E-03
STCDH_028	97.5	99	54	31.4	3.14E-03	5.40E-03
STCDH_028	99	100.5	77	26.700001	2.67E-03	0.0077
STCDH_028	100.5	102	67	21.4	0.00214	6.70E-03
STCDH_028	102	103.5	18	20.9	2.09E-03	0.0018
STCDH_028	103.5	105	15	13.7	0.00137	0.0015
STCDH_028	105	106.5	29	15.5	0.00155	0.0029
STCDH_028	106.5	108	55	23.5	0.00235	0.0055
STCDH_028	108	109.5	35	18.5	0.00185	3.50E-03
STCDH_028	109.5	111	51	22	0.0022	5.10E-03
STCDH_028	111	112.5	86	23.5	0.00235	8.60E-03
STCDH_028	112.5	114	100	28.5	0.00285	1.00E-02
STCDH_028	114	115	124	38.799999	0.00388	0.0124
STCDH_028	115	116.5	143	35.599998	3.56E-03	0.0143
STCDH_028	116.5	118	146	29.200001	2.92E-03	0.0146
STCDH_028	118	119.5	153	17.6	0.00176	0.0153
STCDH_028	119.5	121	179	14.8	0.00148	1.79E-02
STCDH_028	121	122.5	212	14	0.0014	2.12E-02
STCDH_028	122.5	124	207	22.700001	2.27E-03	0.0207
STCDH_028	124	125.5	210	40.099998	4.01E-03	0.021
STCDH_028	125.5	127	212	37.799999	3.78E-03	2.12E-02
STCDH_028	127	128.5	203	24.799999	0.00248	2.03E-02
STCDH_028	128.5	129.10001	98	1150	0.115	9.80E-03
STCDH_028	129.10001	130	61	929	9.29E-02	6.10E-03
STCDH_028	130	130.89999	50	6840	0.68400002	5.00E-03
STCDH_028	130.89999	132.55	22	1100	0.11	0.0022
STCDH_028	132.55	133	20	6440	0.64399999	2.00E-03
STCDH_028	133	134	15	8830	0.88300002	0.0015

STCDH_028	134	135	13	9090	0.90899998	0.0013
STCDH_028	135	136	7	1610	0.161	7.00E-04
STCDH_028	136	137	13	3600	0.36000001	0.0013
STCDH_028	137	138	18	3540	0.354	0.0018
STCDH_028	138	139	24	4180	0.41800001	2.40E-03
STCDH_028	139	140	23	12800	1.28	2.30E-03
STCDH_028	140	141	32	9190	0.91900003	3.20E-03
STCDH_028	141	142	27	1960	0.19599999	2.70E-03
STCDH_028	142	143	26	1730	0.17299999	0.0026
STCDH_028	143	144	21	1600	0.16	2.10E-03
STCDH_028	144	145	29	4910	0.491	0.0029
STCDH_028	145	146	23	4820	0.48199999	2.30E-03
STCDH_028	146	147	30	2080	0.208	0.003
STCDH_028	147	148	38	3450	0.345	3.80E-03
STCDH_028	148	149	33	6190	0.61900002	0.0033
STCDH_028	149	150	120	13300	1.33	0.012
STCDH_028	150	151	40	11400	1.14	4.00E-03
STCDH_028	151	152	42	10400	1.04	4.20E-03
STCDH_028	152	152.5	94	4590	0.45899999	9.40E-03
STCDH_028	152.5	153	447	9260	0.926	0.0447
STCDH_028	153	154	57	8650	0.86500001	5.70E-03
STCDH_028	154	155	146	4440	0.44400001	0.0146
STCDH_028	155	155.39999	103	2680	0.26800001	0.0103
STCDH_028	155.39999	156	137	1440	0.14399999	0.0137
STCDH_028	156	157.5	239	25.799999	2.58E-03	0.0239
STCDH_028	157.5	159	277	29.799999	2.98E-03	0.0277
STCDH_028	159	160.5	238	37.299999	0.00373	2.38E-02
STCDH_028	160.5	162	162	45.700001	4.57E-03	0.0162
STCDH_028	162	163.5	177	177	0.0177	0.0177
STCDH_028	163.5	165	199	138	0.0138	0.0199
STCDH_028	165	166.5	242	308	0.0308	0.0242
STCDH_028	166.5	167.2	239	260	2.60E-02	0.0239
STCDH_029	0	1	241	652	6.52E-02	0.0241
STCDH_029	1	2	226	828	8.28E-02	2.26E-02
STCDH_029	2	3	171	2380	0.23800001	1.71E-02
STCDH_029	3	4	165	1760	0.176	0.0165
STCDH_029	4	5	208	789	7.89E-02	0.0208
STCDH_029	5	6	255	1070	0.107	0.0255
STCDH_029	6	7	230	2410	0.241	0.023
STCDH_029	7	8	204	1710	0.171	2.04E-02
STCDH_029	8	9	215	2740	0.27399999	2.15E-02
STCDH_029	9	10	207	2040	0.204	0.0207
STCDH_029	10	11	254	3430	0.34299999	0.0254
STCDH_029	11	12	252	7360	0.736	0.0252
STCDH_029	12	13	208	4690	0.46900001	0.0208
STCDH_029	13	14	208	1240	0.124	0.0208
STCDH_029	14	15	375	7640	0.764	3.75E-02
STCDH_029	15	16	290	31500	3.1500001	2.90E-02
STCDH_029	16	17	242	13000	1.3	0.0242
STCDH_029	17	18	277	87200	8.7200003	0.0277
STCDH_029	18	19	415	11700	1.17	4.15E-02
STCDH_029	19	20	489	40200	4.02	4.89E-02
STCDH_029	20	21	370	18600	1.86	0.037
STCDH_029	21	22	326	1700	0.17	3.26E-02
STCDH_029	22	23	290	4360	0.43599999	2.90E-02
STCDH_029	23	24	148	1090	0.109	0.0148
STCDH_029	24	25	110	999	0.0999	0.011
STCDH_029	25	26	110	2970	0.29699999	0.011
STCDH_029	26	27	266	1120	0.112	0.0266
STCDH_029	27	28	225	1590	0.15899999	2.25E-02
STCDH_029	28	29	194	4170	0.417	1.94E-02
STCDH_029	29	30	301	928	9.28E-02	3.01E-02
STCDH_029	30	31	385	2230	0.223	0.0385

STCDH_029	31	32.5	325	1280	0.12800001	3.25E-02
STCDH_029	32.5	34	-9999	-9999	-0.99989998	-0.99989998
STCDH_029	34	35.5	171	2910	0.29100001	1.71E-02
STCDH_029	35.5	36.5	158	783	7.83E-02	1.58E-02
STCDH_029	36.5	37	72	122	0.0122	7.20E-03
STCDH_029	37	38	58	36.799999	3.68E-03	5.80E-03
STCDH_029	38	39	58	20.299999	2.03E-03	5.80E-03
STCDH_029	39	40	77	46.5	0.00465	0.0077
STCDH_029	40	41	69	24	2.40E-03	6.90E-03
STCDH_029	41	42	-9999	-9999	-0.99989998	-0.99989998
STCDH_029	42	43.5	109	2030	0.20299999	0.0109
STCDH_029	43.5	45	102	623	0.0623	0.0102
STCDH_029	45	46.5	91	732	7.32E-02	9.10E-03
STCDH_029	46.5	48	135	844	8.44E-02	0.0135
STCDH_029	48	49.5	115	604	6.04E-02	0.0115
STCDH_029	49.5	51	102	443	4.43E-02	0.0102
STCDH_029	51	52.5	136	521	5.21E-02	0.0136
STCDH_029	52.5	54	195	551	5.51E-02	0.0195
STCDH_029	54	55.5	350	793	7.93E-02	0.035
STCDH_029	55.5	57	320	1020	0.102	3.20E-02
STCDH_029	57	58	513	1220	0.122	0.0513
STCDH_029	58	59	173	384	3.84E-02	0.0173
STCDH_029	59	60	128	240	0.024	0.0128
STCDH_029	60	61	221	312	3.12E-02	0.0221
STCDH_029	61	61.5	757	1910	0.191	0.0757
STCDH_029	61.5	63	1060	27600	2.76	0.106
STCDH_029	63	64	900	50300	5.0300002	9.00E-02
STCDH_029	64	64.699997	794	38600	3.8599999	7.94E-02
STCDH_029	64.699997	66	423	977	0.0977	4.23E-02
STCDH_029	66	67.5	560	189	0.0189	5.60E-02
STCDH_029	67.5	69	944	42.400002	4.24E-03	9.44E-02
STCDH_029	69	70	398	164	0.0164	3.98E-02
STCDH_029	70	71	292	290	2.90E-02	2.92E-02
STCDH_029	71	72	259	156	0.0156	2.59E-02
STCDH_029	72	73	250	166	0.0166	0.025
STCDH_029	73	74	233	447	0.0447	0.0233
STCDH_029	74	75.5	2280	10100	1.01	0.228
STCDH_029	75.5	76	1110	38100	3.8099999	0.111
STCDH_029	76	77	1660	26000	2.5999999	0.16599999
STCDH_029	77	78.059998	2300	15400	1.54	0.23
STCDH_029	78.059998	79	241	793	7.93E-02	0.0241
STCDH_029	79	80	171	435	4.35E-02	1.71E-02
STCDH_029	80	81.120003	1530	6190	0.61900002	0.153
STCDH_029	81.120003	82	701	7230	0.72299999	7.01E-02
STCDH_029	82	83	156	9250	0.92500001	0.0156
STCDH_029	83	84	423	9600	0.95999998	4.23E-02
STCDH_029	84	84.669998	416	33600	3.3599999	0.0416
STCDH_029	84.669998	85.5	2990	5980	0.59799999	0.29899999
STCDH_029	85.5	86.260002	1460	9850	0.98500001	0.146
STCDH_029	86.260002	87	3910	25100	2.51	0.391
STCDH_029	87	88	5770	39400	3.9400001	0.57700002
STCDH_029	88	89	5160	25100	2.51	0.51599997
STCDH_029	89	90	5680	8510	0.85100001	0.56800002
STCDH_029	90	90.650002	1970	1240	0.124	0.197
STCDH_029	90.650002	92	478	644	6.44E-02	4.78E-02
STCDH_029	92	93.5	481	603	0.0603	4.81E-02
STCDH_029	93.5	95	330	464	4.64E-02	0.033
STCDH_029	95	96.5	171	546	0.0546	1.71E-02
STCDH_029	96.5	98	128	240	0.024	0.0128
STCDH_029	98	99.5	151	202	2.02E-02	0.0151
STCDH_029	99.5	101	138	172	1.72E-02	0.0138
STCDH_029	101	102.5	76	121	0.0121	7.60E-03
STCDH_029	102.5	104	87	111	0.0111	8.70E-03

STCDH_029	104	105.5	64	111	0.0111	6.40E-03
STCDH_029	105.5	107	44	578	5.78E-02	0.0044
STCDH_029	107	108.5	37	288	0.0288	0.0037
STCDH_029	108.5	110	31	155	0.0155	3.10E-03
STCDH_029	110	111.5	28	112	0.0112	2.80E-03
STCDH_029	111.5	113	25	110	0.011	2.50E-03
STCDH_029	113	114.5	24	68.099998	6.81E-03	2.40E-03
STCDH_029	114.5	116	22	79.800003	7.98E-03	0.0022
STCDH_029	116	117.5	24	62.099998	6.21E-03	2.40E-03
STCDH_029	117.5	119	24	47	4.70E-03	2.40E-03
STCDH_029	119	120.5	23	63.099998	6.31E-03	2.30E-03
STCDH_029	120.5	122	24	92.300003	0.00923	2.40E-03
STCDH_029	122	123.5	24	49.299999	4.93E-03	2.40E-03
STCDH_029	123.5	125	27	81.199997	8.12E-03	2.70E-03
STCDH_029	125	126.5	24	782	7.82E-02	2.40E-03
STCDH_029	126.5	128	26	378	3.78E-02	0.0026
STCDH_029	128	129.5	30	376	3.76E-02	0.003
STCDH_029	129.5	131	32	168	1.68E-02	3.20E-03
STCDH_029	131	132.5	29	68.199997	6.82E-03	0.0029
STCDH_029	132.5	134	26	57.400002	5.74E-03	0.0026
STCDH_029	134	135.5	28	43.400002	0.00434	2.80E-03
STCDH_029	135.5	137	25	28.4	0.00284	2.50E-03
STCDH_029	137	138.5	27	41.200001	4.12E-03	2.70E-03
STCDH_029	138.5	140	29	101	0.0101	0.0029
STCDH_029	140	141.5	26	32.099998	3.21E-03	0.0026
STCDH_029	141.5	143	29	44	0.0044	0.0029
STCDH_029	143	144.5	25	27.9	2.79E-03	2.50E-03
STCDH_029	144.5	146	22	6.5	0.00065	0.0022
STCDH_029	146	147.2	11	-0.5	-5.00E-05	0.0011
STCDH_030	0	1	3860	16000	1.6	0.38600001
STCDH_030	1	2	14200	108000	10.8	1.42
STCDH_030	2	3	1420	16400	1.64	0.142
STCDH_030	3	3.75	2520	65200	6.52	0.252
STCDH_030	3.75	4.5	1730	28800	2.8800001	0.17299999
STCDH_030	4.5	5	658	12700	1.27	6.58E-02
STCDH_030	5	6	600	4200	0.41999999	6.00E-02
STCDH_030	6	7.0999999	1440	21300	2.1300001	0.14399999
STCDH_030	7.0999999	8	1600	7230	0.72299999	0.16
STCDH_030	8	9	4770	35400	3.54	0.477
STCDH_030	9	10	3880	256000	25.6	0.38800001
STCDH_030	10	11	576	98100	9.8100004	5.76E-02
STCDH_030	11	12	125	202000	20.200001	0.0125
STCDH_030	12	13	650	84800	8.4799995	6.50E-02
STCDH_030	13	14	1010	65100	6.5100002	0.101
STCDH_030	14	15	367	71300	7.1300001	3.67E-02
STCDH_030	15	16	1270	61500	6.1500001	0.127
STCDH_030	16	17	387	105000	10.5	3.87E-02
STCDH_030	17	18	424	168000	16.799999	4.24E-02
STCDH_030	18	19	134	11500	1.15	0.0134
STCDH_030	19	20	171	15100	1.51	1.71E-02
STCDH_030	20	21	288	60400	6.04	0.0288
STCDH_030	21	22	100	36200	3.6199999	1.00E-02
STCDH_030	22	22.5	234	133000	13.3	2.34E-02
STCDH_030	22.5	23	90	28100	2.8099999	9.00E-03
STCDH_030	23	23.5	43	1590	0.15899999	4.30E-03
STCDH_030	23.5	24	23	6460	0.64600003	2.30E-03
STCDH_030	24	24.5	192	60600	6.0599999	1.92E-02
STCDH_030	24.5	25	2250	41400	4.1399999	0.22499999
STCDH_030	25	25.5	797	104000	10.4	7.97E-02
STCDH_030	25.5	26	235	23900	2.3900001	2.35E-02
STCDH_030	26	26.5	234	119000	11.9	2.34E-02
STCDH_030	26.5	27	266	33200	3.3199999	0.0266
STCDH_030	27	27.5	629	65300	6.5300002	6.29E-02

STCDH_030	27.5	28	619	46900	4.6900001	6.19E-02
STCDH_030	28	29	436	14000	1.4	0.0436
STCDH_030	29	30	56	8870	0.88700002	5.60E-03
STCDH_030	30	30.5	1310	107000	10.7	0.131
STCDH_030	30.5	31	858	160000	16	0.0858
STCDH_030	31	31.5	5830	167000	16.700001	0.583
STCDH_030	31.5	32	1610	55900	5.5900002	0.161
STCDH_030	32	32.5	225	16100	1.61	2.25E-02
STCDH_030	32.5	33	113	9100	0.91000003	0.0113
STCDH_030	33	33.5	645	72200	7.2199998	6.45E-02
STCDH_030	33.5	34	317	24900	2.49	0.0317
STCDH_030	34	35	295	23200	2.3199999	0.0295
STCDH_030	35	36	392	14500	1.45	0.0392
STCDH_030	36	37	364	77000	7.6999998	3.64E-02
STCDH_030	37	38	291	64700	6.4699998	2.91E-02
STCDH_030	38	39	148	23700	2.3699999	0.0148
STCDH_030	39	40	384	150000	15	3.84E-02
STCDH_030	40	41	101	22700	2.27	0.0101
STCDH_030	41	42	175	33800	3.3800001	0.0175
STCDH_030	42	43				
STCDH_030	43	44				
STCDH_030	44	45.099998				
STCDH_030	45.099998	46.599998				
STCDH_030	46.599998	47.599998				
STCDH_030	47.599998	48.700001				
STCDH_030	48.700001	49.599998				
STCDH_030	49.599998	51.099998				
STCDH_030	51.099998	52.5				
STCDH_030	52.5	54				
STCDH_030	54	55.5				
STCDH_030	55.5	57				
STCDH_030	57	58.5				
STCDH_030	58.5	60				
STCDH_030	60	61.5				
STCDH_030	61.5	63				
STCDH_030	63	64.5				
STCDH_030	64.5	66				
STCDH_030	66	67.5				
STCDH_030	67.5	69				
STCDH_030	69	71.5				
STCDH_030	71.5	73				
STCDH_030	73	74.5				
STCDH_030	74.5	76				
STCDH_030	76	77.5				
STCDH_030	77.5	78.5				
STCDH_030	78.5	79.199997				
STCDH_030	79.199997	80.5				
STCDH_030	80.5	82				
STCDH_030	82	83.5				
STCDH_030	83.5	85				
STCDH_030	85	86.5				
STCDH_030	86.5	88				
STCDH_030	88	89.360001				
STCDH_030	89.360001	90.5				
STCDH_030	90.5	92				
STCDH_030	92	93.5				
STCDH_030	93.5	95				
STCDH_030	95	96.5				
STCDH_030	96.5	98				
STCDH_030	98	99.5				
STCDH_030	99.5	101				
STCDH_030	101	102.5				
STCDH_030	102.5	104				

STCDH_030	104	105.5				
STCDH_030	105.5	107				
STCDH_030	107	108.5				
STCDH_030	108.5	110				
STCDH_030	110	111.5				
STCDH_030	111.5	113				
STCDH_030	113	114.5				
STCDH_030	114.5	116				
STCDH_030	116	117.5				
STCDH_030	117.5	119				
STCDH_030	119	120.5				
STCDH_030	120.5	122				
STCDH_030	122	123.1				
STCDH_031	0	1	164	29.1	0.00291	0.0164
STCDH_031	1	2	288	2580	0.25799999	0.0288
STCDH_031	2	3	364	1950	0.19499999	3.64E-02
STCDH_031	3	4	475	154	0.0154	4.75E-02
STCDH_031	4	5	927	1380	0.138	9.27E-02
STCDH_031	5	6	724	3720	0.37200001	7.24E-02
STCDH_031	6	7	853	4240	0.42399999	8.53E-02
STCDH_031	7	8	412	1040	0.104	4.12E-02
STCDH_031	8	9	492	3350	0.33500001	4.92E-02
STCDH_031	9	10	430	37800	3.78	4.30E-02
STCDH_031	10	12.2	368	8410	0.84100002	3.68E-02
STCDH_031	12.2	13	757	3020	0.30199999	0.0757
STCDH_031	13	14	442	2390	0.23899999	4.42E-02
STCDH_031	14	15	628	1500	0.15000001	6.28E-02
STCDH_031	15	16	309	1370	0.13699999	0.0309
STCDH_031	16	17	189	1160	0.116	0.0189
STCDH_031	17	18	194	1230	0.123	1.94E-02
STCDH_031	18	19	284	1370	0.13699999	0.0284
STCDH_031	19	20	257	1440	0.14399999	2.57E-02
STCDH_031	20	21	634	2670	0.26699999	0.0634
STCDH_031	21	22	596	1930	0.193	5.96E-02
STCDH_031	22	23	568	20200	2.02	0.0568
STCDH_031	23	24	698	10500	1.05	6.98E-02
STCDH_031	24	25	363	2790	0.27900001	0.0363
STCDH_031	25	25.549999	315	1950	0.19499999	3.15E-02
STCDH_031	25.549999	26	309	1660	0.16599999	0.0309
STCDH_031	26	27	343	1140	0.114	3.43E-02
STCDH_031	27	29.700001	771	8090	0.80900002	7.71E-02
STCDH_031	29.700001	31	14	3530	0.35299999	0.0014
STCDH_031	31	32	231	28000	2.8	0.0231
STCDH_031	32	33	220	27500	2.75	0.022
STCDH_031	33	34	20	2330	0.233	2.00E-03
STCDH_031	34	35	24	2400	0.23999999	2.40E-03
STCDH_031	35	36	20	2470	0.24699999	2.00E-03
STCDH_031	36	37	1220	35500	3.55	0.122
STCDH_031	37	38	5880	30300	3.03	0.588
STCDH_031	38	39.5	541	39500	3.95	5.41E-02
STCDH_031	39.5	41	275	21500	2.1500001	0.0275
STCDH_031	41	42	2700	33800	3.3800001	0.27000001
STCDH_031	42	43.5	366	69200	6.9200001	3.66E-02
STCDH_031	43.5	44	310	64400	6.4400001	3.10E-02
STCDH_031	44	45	297	21200	2.1199999	0.0297
STCDH_031	45	46	132	28800	2.8800001	0.0132
STCDH_031	46	47	78	82700	8.2700005	7.80E-03
STCDH_031	47	48	144	35400	3.54	0.0144
STCDH_031	48	49	319	3	3.00E-04	0.0319
STCDH_031	49	50	200	31600	3.1600001	0.02
STCDH_031	50	51	515	20600	2.0599999	0.0515
STCDH_031	51	52	580	14300	1.4299999	5.80E-02
STCDH_031	52	53	234	34400	3.4400001	2.34E-02

STCDH_031	53	54	87	34900	3.49	8.70E-03
STCDH_031	54	55	153	77700	7.77	0.0153
STCDH_031	55	56	133	12100	1.21	0.0133
STCDH_031	56	57	11	12900	1.29	0.0011
STCDH_031	57	58	126	18300	1.83	0.0126
STCDH_031	58	59	456	25600	2.5599999	4.56E-02
STCDH_031	59	60	571	125000	12.5	5.71E-02
STCDH_031	60	61	234	25800	2.5799999	2.34E-02
STCDH_031	61	62	136	3150	0.315	0.0136
STCDH_031	62	63	190	9860	0.986	1.90E-02
STCDH_031	63	64	106	1740	0.17399999	0.0106
STCDH_031	64	65	129	5410	0.54100001	0.0129
STCDH_031	65	66.230003	143	11500	1.15	0.0143
STCDH_031	66.230003	67	326	4150	0.41499999	3.26E-02
STCDH_031	67	68	159	7800	0.77999997	1.59E-02
STCDH_031	68	68.699997	289	1610	0.161	2.89E-02
STCDH_031	68.699997	71.699997	1680	280000	28	0.168
STCDH_031	71.699997	73.199997	493	141000	14.1	0.0493
STCDH_031	73.199997	74.699997	1420	30600	3.0599999	0.142
STCDH_031	74.699997	76	88	1670	0.167	0.0088
STCDH_031	76	77.5	62	189	0.0189	6.20E-03
STCDH_031	77.5	78.699997	3	74.199997	7.42E-03	3.00E-04
STCDH_031	80.699997	82	18	85.900002	8.59E-03	0.0018
STCDH_031	82	83	20	111	0.0111	2.00E-03
STCDH_031	83	84	5	37.599998	3.76E-03	5.00E-04
STCDH_031	84	85	98	430	4.30E-02	9.80E-03
STCDH_031	85	86	3	112	0.0112	3.00E-04
STCDH_031	86	87	1	108	0.0108	1.00E-04
STCDH_031	87	88.32	-1	91.900002	9.19E-03	-1.00E-04
STCDH_031	88.32	89	39	632	6.32E-02	3.90E-03
STCDH_031	89	90	24	228	0.0228	2.40E-03
STCDH_031	90	91	27	34.5	0.00345	2.70E-03
STCDH_031	91	92	26	25	2.50E-03	0.0026
STCDH_031	92	93	18	21.1	0.00211	0.0018
STCDH_031	93	94.5	19	13.1	1.31E-03	0.0019
STCDH_031	94.5	96	23	13.4	0.00134	2.30E-03
STCDH_031	96	97.5	25	31.799999	0.00318	2.50E-03
STCDH_031	97.5	99	23	33.200001	3.32E-03	2.30E-03
STCDH_031	99	100.5	18	48.900002	0.00489	0.0018
STCDH_031	100.5	102	23	28.200001	2.82E-03	2.30E-03
STCDH_031	102	103.5	27	18	0.0018	2.70E-03
STCDH_031	103.5	105	29	36.900002	3.69E-03	0.0029
STCDH_031	105	106.5	21	13.3	0.00133	2.10E-03
STCDH_031	106.5	108	33	29.4	0.00294	0.0033
STCDH_032	0	1	149	1370	0.13699999	0.0149
STCDH_032	1	2	313	4250	0.42500001	3.13E-02
STCDH_032	2	3	217	2360	0.236	0.0217
STCDH_032	3	4	339	1050	0.105	0.0339
STCDH_032	4	5	363	978	9.78E-02	0.0363
STCDH_032	5	6	353	1190	0.119	3.53E-02
STCDH_032	6	7	509	6370	0.63700002	5.09E-02
STCDH_032	7	8	462	991	9.91E-02	0.0462
STCDH_032	8	9	2040	5960	0.59600002	0.204
STCDH_032	9	10	654	1130	0.113	6.54E-02
STCDH_032	10	11	363	1540	0.154	0.0363
STCDH_032	11	12	358	4860	0.486	3.58E-02
STCDH_032	12	13	600	2810	0.28099999	6.00E-02
STCDH_032	13	14	1040	4110	0.41100001	0.104
STCDH_032	14	15	1810	2010	0.20100001	0.18099999
STCDH_032	15	16	1730	1260	0.126	0.17299999
STCDH_032	16	17	1570	5600	0.56	0.15700001
STCDH_032	17	18	1800	10900	1.09	0.18000001
STCDH_032	18	19	1430	2830	0.28299999	0.14300001

STCDH_032	19	20	712	2510	0.25099999	7.12E-02
STCDH_032	20	21	619	1940	0.19400001	6.19E-02
STCDH_032	21	22	1110	4000	0.40000001	0.111
STCDH_032	22	23	1480	5460	0.546	0.148
STCDH_032	23	24	496	5040	0.50400001	4.96E-02
STCDH_032	24	25	1250	14200	1.42	0.125
STCDH_032	25	26	2420	7700	0.76999998	0.242
STCDH_032	26	27	1040	4200	0.41999999	0.104
STCDH_032	27	28	1090	5940	0.59399998	0.109
STCDH_032	28	29	1470	4320	0.43200001	0.147
STCDH_032	29	30	1960	9670	0.96700001	0.19599999
STCDH_032	30	31	2140	3610	0.361	0.214
STCDH_032	31	32.099998	11000	3940	0.39399999	1.1
STCDH_032	32.099998	33.5	540	671	6.71E-02	5.40E-02
STCDH_032	33.5	35	175	63.099998	6.31E-03	0.0175
STCDH_032	35	36.5	133	97.800003	0.00978	0.0133
STCDH_032	36.5	38	111	87.5	0.00875	0.0111
STCDH_032	38	39.5	164	129	0.0129	0.0164
STCDH_032	39.5	41	183	141	0.0141	1.83E-02
STCDH_032	41	42.5	166	152	0.0152	0.0166
STCDH_032	42.5	44	170	134	0.0134	1.70E-02
STCDH_032	44	45.5	277	291	2.91E-02	0.0277
STCDH_032	45.5	47	897	569	5.69E-02	8.97E-02
STCDH_032	47	48.5	303	262	0.0262	3.03E-02
STCDH_032	48.5	50	204	240	0.024	2.04E-02
STCDH_032	50	51.5	188	148	0.0148	0.0188
STCDH_032	51.5	53	232	144	0.0144	0.0232
STCDH_032	53	54.5	248	116	0.0116	2.48E-02
STCDH_032	54.5	56	240	145	0.0145	0.024
STCDH_032	56	57.5	235	103	0.0103	2.35E-02
STCDH_032	57.5	59	298	163	0.0163	0.0298
STCDH_032	59	60.5	215	54	5.40E-03	2.15E-02
STCDH_032	60.5	62	200	49.400002	4.94E-03	0.02
STCDH_032	62	63.5	157	40	4.00E-03	1.57E-02
STCDH_032	63.5	65.099998	143	303	3.03E-02	0.0143
STCDH_032	65.099998	66	325	11600	1.16	3.25E-02
STCDH_032	66	67	117	2050	0.205	0.0117
STCDH_032	67	68	56	1630	0.163	5.60E-03
STCDH_032	68	69	43	2270	0.227	4.30E-03
STCDH_032	69	70	52	2140	0.214	0.0052
STCDH_032	70	71.300003	233	3000	0.30000001	0.0233
STCDH_032	71.300003	72.5	1000	22000	2.2	0.1
STCDH_032	72.5	74	667	55400	5.54	6.67E-02
STCDH_032	74	74.849998	285	32300	3.23	0.0285
STCDH_032	74.849998	75.599998	691	55500	5.5500002	0.0691
STCDH_032	75.599998	76.900002	800	22100	2.21	8.00E-02
STCDH_032	76.900002	78.300003	2790	21200	2.1199999	0.27900001
STCDH_032	78.300003	79.099998	1930	53400	5.3400002	0.193
STCDH_032	79.099998	80	1840	47200	4.7199998	0.184
STCDH_032	80	81	3090	25300	2.53	0.30899999
STCDH_032	81	82	1460	31700	3.1700001	0.146
STCDH_032	82	83	4120	35200	3.52	0.412
STCDH_032	83	84	1420	11800	1.1799999	0.142
STCDH_032	84	85	645	5570	0.55699998	6.45E-02
STCDH_032	85	86	663	7640	0.764	6.63E-02
STCDH_032	86	87	446	2710	0.271	4.46E-02
STCDH_032	87	88	664	2610	0.26100001	6.64E-02
STCDH_032	88	89	1040	44600	4.46	0.104
STCDH_032	89	90	565	9200	0.92000002	5.65E-02
STCDH_032	90	91	766	7050	0.70499998	0.0766
STCDH_032	91	92	1130	6220	0.62199998	0.113
STCDH_032	92	93	1300	5010	0.50099999	0.13
STCDH_032	93	94	927	3560	0.35600001	9.27E-02

STCDH_032	94	95	456	2690	0.26899999	4.56E-02
STCDH_032	95	96	1200	29600	2.96	0.12
STCDH_032	96	97	560	4280	0.428	5.60E-02
STCDH_032	97	98				
STCDH_032	98	99				
STCDH_032	99	100				
STCDH_032	100	101				
STCDH_032	101	102				
STCDH_032	102	103				
STCDH_032	103	104				
STCDH_032	104	105				
STCDH_032	105	106				
STCDH_032	106	107				
STCDH_032	107	108.2				
STCDH_032	108.2	109				
STCDH_032	109	110				
STCDH_032	110	111				
STCDH_032	111	112				
STCDH_032	112	113				
STCDH_032	113	114				
STCDH_032	114	115				
STCDH_032	115	116				
STCDH_032	116	116.7				
STCDH_032	116.7	117.2				
STCDH_032	117.2	118				
STCDH_032	118	119				
STCDH_032	119	120				
STCDH_032	120	121				
STCDH_032	121	122				
STCDH_032	122	123				
STCDH_032	123	124				
STCDH_032	124	125				
STCDH_032	125	126				
STCDH_032	126	127				
STCDH_032	127	128				
STCDH_032	128	129				
STCDH_032	129	130				
STCDH_032	130	131				
STCDH_032	131	132				
STCDH_032	132	133				
STCDH_032	133	134				
STCDH_032	134	135				
STCDH_032	135	136				
STCDH_032	136	137				
STCDH_032	137	138				
STCDH_032	138	139				
STCDH_032	139	140				
STCDH_032	140	141				
STCDH_032	141	142				
STCDH_032	142	142.60001				
STCDH_032	142.60001	143.5				
STCDH_032	143.5	144.5				
STCDH_032	144.5	145.35001				
STCDH_032	145.35001	146.5				
STCDH_032	146.5	147.60001				
STCDH_033	0	1	-100	4350	0.435	-1.00E-02
STCDH_033	1	2	-100	16200	1.62	-1.00E-02
STCDH_033	2	3	400	67200	6.7199998	4.00E-02
STCDH_033	3	4	100	47400	4.7399998	1.00E-02
STCDH_033	4	5	-100	32900	3.29	-1.00E-02
STCDH_033	5	6	-100	1860	0.186	-1.00E-02
STCDH_033	6	7	-100	4490	0.449	-1.00E-02
STCDH_033	7	8	-100	1510	0.15099999	-1.00E-02

STCDH_033	8	9	-100	10600	1.0599999	-1.00E-02
STCDH_033	9	10	-100	3970	0.39700001	-1.00E-02
STCDH_033	10	11	-100	3920	0.39199999	-1.00E-02
STCDH_033	11	12	-100	6260	0.62599999	-1.00E-02
STCDH_033	12	13	-100	6560	0.65600002	-1.00E-02
STCDH_033	13	14	-100	5450	0.54500002	-1.00E-02
STCDH_033	14	15	-100	5580	0.55800003	-1.00E-02
STCDH_033	15	16	-100	15700	1.5700001	-1.00E-02
STCDH_033	16	17	-100	3510	0.35100001	-1.00E-02
STCDH_033	17	18	100	7360	0.736	1.00E-02
STCDH_033	18	19	-100	4360	0.43599999	-1.00E-02
STCDH_033	19	20	-100	12000	1.2	-1.00E-02
STCDH_033	20	21	-100	5600	0.56	-1.00E-02
STCDH_033	21	22	100	5070	0.50700003	1.00E-02
STCDH_033	22	23	100	2920	0.292	1.00E-02
STCDH_033	23	24	900	3600	0.36000001	9.00E-02
STCDH_033	24	25	600	3620	0.36199999	6.00E-02
STCDH_033	25	26	1200	31200	3.1199999	0.12
STCDH_033	26	27	100	5040	0.50400001	1.00E-02
STCDH_033	27	28	100	6120	0.61199999	1.00E-02
STCDH_033	28	29	100	3840	0.384	1.00E-02
STCDH_033	29	30	200	34300	3.4300001	0.02
STCDH_033	30	31	-100	14000	1.4	-1.00E-02
STCDH_033	31	32	-100	15400	1.54	-1.00E-02
STCDH_033	32	33	-100	9300	0.93000001	-1.00E-02
STCDH_033	33	34	-100	4220	0.42199999	-1.00E-02
STCDH_033	34	35	-100	38400	3.8399999	-1.00E-02
STCDH_033	35	36	-100	10400	1.04	-1.00E-02
STCDH_033	36	37	-100	10400	1.04	-1.00E-02
STCDH_033	37	38	100	44500	4.4499998	1.00E-02
STCDH_033	38	39	-100	16900	1.6900001	-1.00E-02
STCDH_033	39	40	-100	27000	2.7	-1.00E-02
STCDH_033	40	41	200	24000	2.4000001	0.02
STCDH_033	41	42	300	35000	3.5	3.00E-02
STCDH_033	42	43	200	33300	3.3299999	0.02
STCDH_033	43	44	200	29100	2.9100001	0.02
STCDH_033	44	45	100	37100	3.71	1.00E-02
STCDH_033	45	46	-100	37200	3.72	-1.00E-02
STCDH_033	46	47	-100	22700	2.27	-1.00E-02
STCDH_033	47	48	-100	52200	5.2199998	-1.00E-02
STCDH_033	48	49	200	121000	12.1	0.02
STCDH_033	49	50	-100	37800	3.78	-1.00E-02
STCDH_033	50	51	100	40200	4.02	1.00E-02
STCDH_033	51	52	-100	37200	3.72	-1.00E-02
STCDH_033	52	53	100	90300	9.0299997	1.00E-02
STCDH_033	53	54	300	38600	3.8599999	3.00E-02
STCDH_033	54	55	-100	32500	3.25	-1.00E-02
STCDH_033	55	56	200	117000	11.7	0.02
STCDH_033	56	57	-100	39100	3.9100001	-1.00E-02
STCDH_033	57	58	900	211000	21.1	9.00E-02
STCDH_033	58	59	300	94200	9.4200001	3.00E-02
STCDH_033	59	60	-100	21700	2.1700001	-1.00E-02
STCDH_033	60	61	-100			-1.00E-02
STCDH_033	61	61.82	300			3.00E-02
STCDH_033	61.82	63	200			0.02
STCDH_033	63	64	700			0.07
STCDH_033	64	65	100			1.00E-02
STCDH_033	65	66	-100			-1.00E-02
STCDH_033	66	67	-100			-1.00E-02
STCDH_033	67	68	-100			-1.00E-02
STCDH_033	68	69	-100			-1.00E-02
STCDH_033	69	70	-100			-1.00E-02
STCDH_033	70	71	-100			-1.00E-02

STCDH_033	71	72	-100			-1.00E-02
STCDH_033	72	73	-100			-1.00E-02
STCDH_033	73	74	-100			-1.00E-02
STCDH_033	74	75	-100			-1.00E-02
STCDH_033	75	76	-100			-1.00E-02
STCDH_033	76	77	-100			-1.00E-02
STCDH_033	77	78	-100	8800	0.88	-1.00E-02
STCDH_033	78	79	-100	9690	0.96899998	-1.00E-02
STCDH_033	79	80	-100			-1.00E-02
STCDH_033	80	81.199997	200			0.02
STCDH_033	81.199997	82	200	2770	0.27700001	0.02
STCDH_033	82	83	300	126	0.0126	3.00E-02
STCDH_033	83	84	-100	27.9	2.79E-03	-1.00E-02
STCDH_033	84	85	-100	43.900002	4.39E-03	-1.00E-02
STCDH_033	85	86	-100	47.900002	4.79E-03	-1.00E-02
STCDH_033	86	87	-100	20.799999	0.00208	-1.00E-02
STCDH_033	87	88	-100	29.6	0.00296	-1.00E-02
STCDH_033	88	89	-100	15.8	0.00158	-1.00E-02
STCDH_033	89	90	-100	14.4	1.44E-03	-1.00E-02
STCDH_033	90	91	-100	19.4	0.00194	-1.00E-02
STCDH_033	91	92	-100	15.3	0.00153	-1.00E-02
STCDH_033	92	93	-100	26.200001	2.62E-03	-1.00E-02
STCDH_033	93	94	-100	20.200001	0.00202	-1.00E-02
STCDH_033	94	95	-100	18.4	1.84E-03	-1.00E-02
STCDH_033	95	96	-100	29	0.0029	-1.00E-02
STCDH_033	96	97	-100	12.6	0.00126	-1.00E-02
STCDH_033	97	98	-100	13.9	0.00139	-1.00E-02
STCDH_033	98	99	-100	14.2	0.00142	-1.00E-02
STCDH_033	99	100	-100	12	1.20E-03	-1.00E-02
STCDH_033	100	101	-100	16.799999	1.68E-03	-1.00E-02
STCDH_033	101	102	-100	30.799999	3.08E-03	-1.00E-02
STCDH_033	102	103	-100	17	0.0017	-1.00E-02
STCDH_033	103	104	-100	28	2.80E-03	-1.00E-02
STCDH_033	104	105	-100	42.5	4.25E-03	-1.00E-02
STCDH_033	105	106	-100	35.5	0.00355	-1.00E-02
STCDH_033	106	107	-100	31.4	3.14E-03	-1.00E-02
STCDH_033	107	108	-100	30.700001	3.07E-03	-1.00E-02
STCDH_033	108	109	-100	25.799999	2.58E-03	-1.00E-02
STCDH_033	109	110	100	40.200001	4.02E-03	1.00E-02
STCDH_033	110	111	100	27.799999	0.00278	1.00E-02
STCDH_033	111	112	100	35.099998	0.00351	1.00E-02
STCDH_033	112	113	200	27.700001	2.77E-03	0.02
STCDH_033	113	114	300	22.9	0.00229	3.00E-02
STCDH_033	114	115	200	19.700001	1.97E-03	0.02
STCDH_033	115	116	200	20.9	2.09E-03	0.02
STCDH_033	116	116.85	400	173	0.0173	4.00E-02
STCDH_033	116.85	118.16	800	985	9.85E-02	8.00E-02
STCDH_033	118.16	119	300			3.00E-02
STCDH_033	119	120	200			0.02
STCDH_033	120	121	-100	5680	0.56800002	-1.00E-02
STCDH_033	121	122	-100			-1.00E-02
STCDH_033	122	123	-100	8330	0.833	-1.00E-02
STCDH_033	123	124	-100			-1.00E-02
STCDH_033	124	125	-100			-1.00E-02
STCDH_033	125	126	-100			-1.00E-02
STCDH_033	126	127	-100			-1.00E-02
STCDH_033	127	128	-100	40800	4.0799999	-1.00E-02
STCDH_033	128	129	100	31700	3.1700001	1.00E-02
STCDH_033	129	130	-100	46800	4.6799998	-1.00E-02
STCDH_033	130	130.89999	-100	31400	3.1400001	-1.00E-02
STCDH_033	130.89999	132	-100	17900	1.79	-1.00E-02
STCDH_033	132	133	-100	16700	1.67	-1.00E-02
STCDH_033	133	134	-100	5650	0.565	-1.00E-02

STCDH_033	134	135	-100	8790	0.87900001	-1.00E-02
STCDH_033	135	136	-100	9080	0.90799999	-1.00E-02
STCDH_033	136	137	-100	29800	2.98	-1.00E-02
STCDH_033	137	138	-100	49100	4.9099998	-1.00E-02
STCDH_033	138	139	-100	35900	3.5899999	-1.00E-02
STCDH_033	139	140	-100	40400	4.04	-1.00E-02
STCDH_033	140	141	-100	29900	2.99	-1.00E-02
STCDH_033	141	142	-100	42000	4.1999998	-1.00E-02
STCDH_033	142	143	-100	16100	1.61	-1.00E-02
STCDH_033	143	144	-100	17100	1.71	-1.00E-02
STCDH_033	144	145	-100	18300	1.83	-1.00E-02
STCDH_033	145	146	-100	13800	1.38	-1.00E-02
STCDH_033	146	147	-100	22200	2.22	-1.00E-02
STCDH_033	147	148	-100	15100	1.51	-1.00E-02
STCDH_033	148	149	-100	34800	3.48	-1.00E-02
STCDH_033	149	150	-100	33800	3.3800001	-1.00E-02
STCDH_033	150	151	-100	30600	3.0599999	-1.00E-02
STCDH_033	151	152	-100	32300	3.23	-1.00E-02
STCDH_033	152	153	-100	48700	4.8699999	-1.00E-02
STCDH_033	153	154	-100	44000	4.4000001	-1.00E-02
STCDH_033	154	155	-100	76600	7.6599998	-1.00E-02
STCDH_033	155	155.7	-100	55100	5.5100002	-1.00E-02
STCDH_033	155.7	156	-100	127000	12.7	-1.00E-02
STCDH_033	156	157	-100	84300	8.4300003	-1.00E-02
STCDH_033	157	158	-100	64900	6.4899998	-1.00E-02
STCDH_033	158	159	-100	57600	5.7600002	-1.00E-02
STCDH_033	159	160	-100	44700	4.4699998	-1.00E-02
STCDH_033	160	161	-100	70600	7.0599999	-1.00E-02
STCDH_033	161	162	-100	54300	5.4299998	-1.00E-02
STCDH_033	162	163	-100	40800	4.0799999	-1.00E-02
STCDH_033	163	164	200	77000	7.6999998	0.02
STCDH_033	164	164.39999	600	40500	4.0500002	6.00E-02
STCDH_033	164.39999	165	400	319	0.0319	4.00E-02
STCDH_033	165	166	200	289	2.89E-02	0.02
STCDH_033	166	167.2	900	679	6.79E-02	9.00E-02
STCDH_033	167.2	168	10100	47100	4.71	1.01
STCDH_033	168	169	400	35000	3.5	4.00E-02
STCDH_033	169	170	-100	32400	3.24	-1.00E-02
STCDH_033	170	171	-100	34900	3.49	-1.00E-02
STCDH_033	171	172	-100	27300	2.73	-1.00E-02
STCDH_033	172	172.89999	300	33100	3.3099999	3.00E-02
STCDH_033	172.89999	174	200	268	2.68E-02	0.02
STCDH_033	174	175	300	11000	1.1	3.00E-02
STCDH_033	175	176	200	8630	0.86299998	0.02
STCDH_033	176	177	500	386	3.86E-02	5.00E-02
STCDH_033	177	178	400	373	3.73E-02	4.00E-02
STCDH_033	178	179	1500	353	3.53E-02	0.15000001
STCDH_033	179	179.95	1400	19600	1.96	0.14
STCDH_033	179.95	181	900	32200	3.22	9.00E-02
STCDH_033	181	182	400	21700	2.1700001	4.00E-02
STCDH_033	182	183	200	28800	2.8800001	0.02
STCDH_033	183	184	600	72400	7.2399998	6.00E-02
STCDH_033	184	185	500	90500	9.0500002	5.00E-02
STCDH_033	185	186	700	24200	2.4200001	0.07
STCDH_033	186	187	300	24400	2.4400001	3.00E-02
STCDH_033	187	188	100	28700	2.8699999	1.00E-02
STCDH_033	188	188.45	100	16300	1.63	1.00E-02
STCDH_033	188.45	189	300	638	0.0638	3.00E-02
STCDH_033	189	190	800	18900	1.89	8.00E-02
STCDH_033	190	191	300	45400	4.54	3.00E-02
STCDH_033	191	192	500	31600	3.1600001	5.00E-02
STCDH_033	192	193	300	57300	5.73	3.00E-02
STCDH_033	193	194	500	131000	13.1	5.00E-02

STCDH_033	194	195	400	12700	1.27	4.00E-02
STCDH_033	195	195.38	400	18300	1.83	4.00E-02
STCDH_033	195.38	196	900	703	7.03E-02	9.00E-02
STCDH_033	196	197	2300	671	6.71E-02	0.23
STCDH_033	197	198	200	207	0.0207	0.02
STCDH_033	198	200	100	129	0.0129	1.00E-02
STCDH_033	200	201	-100	298	0.0298	-1.00E-02
STCDH_033	201	202	-100	61.099998	0.00611	-1.00E-02
STCDH_033	202	203	-100	106	0.0106	-1.00E-02
STCDH_033	203	204.5	-100	133	0.0133	-1.00E-02
STCDH_033	204.5	206	-100	99.5	9.95E-03	-1.00E-02
STCDH_033	206	207.16	-100	69.400002	6.94E-03	-1.00E-02
STCDH_033	207.16	208.5	-100	56.799999	5.68E-03	-1.00E-02
STCDH_033	208.5	210	-100	73.099998	7.31E-03	-1.00E-02
STCDH_033	210	211.5	-100	21.4	0.00214	-1.00E-02
STCDH_033	211.5	213	-100	41.900002	4.19E-03	-1.00E-02
STCDH_033	213	214.5	-100	109	0.0109	-1.00E-02
STCDH_033	214.5	216	-100	22.1	2.21E-03	-1.00E-02
STCDH_033	216	217.5	-100	30.299999	0.00303	-1.00E-02
STCDH_033	217.5	219	-100	48.200001	4.82E-03	-1.00E-02
STCDH_033	219	220.5	-100	92.800003	9.28E-03	-1.00E-02
STCDH_033	220.5	222	-100	56.099998	5.61E-03	-1.00E-02
STCDH_034	0	1	109	46000	4.5999999	0.0109
STCDH_034	1	2	38	11500	1.15	3.80E-03
STCDH_034	2	3	121	58200	5.8200002	0.0121
STCDH_034	3	4	216	35100	3.51	2.16E-02
STCDH_034	4	5	257	56100	5.6100001	2.57E-02
STCDH_034	5	6	119	6950	0.69499999	0.0119
STCDH_034	6	7	284	78800	7.8800001	0.0284
STCDH_034	7	8	256	49500	4.9499998	2.56E-02
STCDH_034	8	9	265	52200	5.2199998	0.0265
STCDH_034	9	10	76	54800	5.48	7.60E-03
STCDH_034	10	11.2	95	47600	4.7600002	9.50E-03
STCDH_034	11.2	12	45	1620	0.162	4.50E-03
STCDH_034	12	13	38	2390	0.23899999	3.80E-03
STCDH_034	13	14	28	3800	0.38	2.80E-03
STCDH_034	14	15	23	3310	0.331	2.30E-03
STCDH_034	15	16.1	47	18200	1.8200001	4.70E-03
STCDH_034	16.1	17	81	35900	3.5899999	8.10E-03
STCDH_034	17	18	43	14000	1.4	4.30E-03
STCDH_034	18	19	32	1940	0.19400001	3.20E-03
STCDH_034	19	19.6	144	26100	2.6099999	0.0144
STCDH_034	19.6	20	153	12400	1.24	0.0153
STCDH_034	20	21	150	11200	1.12	0.015
STCDH_034	21	22	141	5180	0.51800001	0.0141
STCDH_034	22	23.65	62	1870	0.18700001	6.20E-03
STCDH_034	23.65	24	186	1450	0.145	0.0186
STCDH_034	24	25	327	14300	1.4299999	3.27E-02
STCDH_034	25	26	285	2100	0.20999999	0.0285
STCDH_034	26	27	224	5850	0.58499998	2.24E-02
STCDH_034	27	28	132	2340	0.234	0.0132
STCDH_034	28	29	248	13500	1.35	2.48E-02
STCDH_034	29	30	45	2100	0.20999999	4.50E-03
STCDH_034	30	31	111	7110	0.71100003	0.0111
STCDH_034	31	32	247	73900	7.3899999	2.47E-02
STCDH_034	32	33	220	18900	1.89	0.022
STCDH_034	33	34	180	11200	1.12	1.80E-02
STCDH_034	34	35	163	6820	0.68199998	0.0163
STCDH_034	35	36	360	8640	0.86400002	3.60E-02
STCDH_034	36	36.799999	308	2980	0.29800001	0.0308
STCDH_034	36.799999	38	360	13600	1.36	3.60E-02
STCDH_034	38	39	117	2170	0.21699999	0.0117
STCDH_034	39	40	261	5240	0.52399999	0.0261

STCDH_034	40	41	946	12000	1.2	9.46E-02
STCDH_034	41	42	260	13400	1.34	2.60E-02
STCDH_034	42	43	244	4770	0.477	0.0244
STCDH_034	43	44	964	13700	1.37	0.0964
STCDH_034	44	45	2520	17100	1.71	0.252
STCDH_034	45	46	427	13200	1.3200001	0.0427
STCDH_034	46	47	3200	19300	1.9299999	0.31999999
STCDH_034	47	48	3580	12600	1.26	0.35800001
STCDH_034	48	49	2100	32000	3.2	0.20999999
STCDH_034	49	50	602	12200	1.22	6.02E-02
STCDH_034	50	51	1790	30000	3	0.17900001
STCDH_034	51	52	209	15800	1.58	0.0209
STCDH_034	52	53	420	29000	2.9000001	4.20E-02
STCDH_034	53	54	969	22000	2.2	9.69E-02
STCDH_034	54	55	443	18100	1.8099999	4.43E-02
STCDH_034	55	56	2460	20200	2.02	0.24600001
STCDH_034	56	57	144	11100	1.11	0.0144
STCDH_034	57	58	2210	18400	1.84	0.221
STCDH_034	58	59	2730	8200	0.81999999	0.273
STCDH_034	59	60	1320	14500	1.45	0.132
STCDH_034	60	61	527	42200	4.2199998	5.27E-02
STCDH_034	61	62	1200	14300	1.4299999	0.12
STCDH_034	62	63	307	21200	2.1199999	0.0307
STCDH_034	63	64	1120	41700	4.1700001	0.112
STCDH_034	64	65	648	16400	1.64	6.48E-02
STCDH_034	65	66	652	22300	2.23	6.52E-02
STCDH_034	66	67	173	24400	2.4400001	0.0173
STCDH_034	67	68	161	29900	2.99	1.61E-02
STCDH_034	68	69	130	25500	2.55	0.013
STCDH_034	69	70	182	32400	3.24	1.82E-02
STCDH_034	70	70.599998	570	28400	2.8399999	0.057
STCDH_034	70.599998	71	1520	51400	5.1399999	0.152
STCDH_034	71	72	8760	55500	5.5500002	0.87599999
STCDH_034	72	73	6130	59400	5.9400001	0.61299998
STCDH_034	73	74	12200	66700	6.6700001	1.22
STCDH_034	74	75	6180	49000	4.9000001	0.61799997
STCDH_034	75	76	12000	97400	9.7399998	1.2
STCDH_034	76	77	2350	158000	15.8	0.235
STCDH_034	77	78	2100	74000	7.4000001	0.20999999
STCDH_034	78	79	5850	140000	14	0.58499998
STCDH_034	79	80.599998	3580	77700	7.77	0.35800001
STCDH_034	80.599998	81	839	2650	0.26499999	8.39E-02
STCDH_034	81	82	519	1810	0.18099999	5.19E-02
STCDH_034	82	82.599998	135	696	6.96E-02	0.0135
STCDH_034	82.599998	84	80	1340	0.134	8.00E-03
STCDH_034	84	85.5	108	45.799999	4.58E-03	0.0108
STCDH_034	85.5	87	122	24.1	0.00241	0.0122
STCDH_034	87	88.5	79	35.5	0.00355	7.90E-03
STCDH_034	88.5	90	38	18	0.0018	3.80E-03
STCDH_034	90	91.800003	32	12.7	0.00127	3.20E-03
STCDH_034	91.800003	93	36	7.5	7.50E-04	3.60E-03
STCDH_034	93	94.5	30	15.3	0.00153	0.003
STCDH_034	94.5	96	27	23.1	2.31E-03	2.70E-03
STCDH_034	96	97.5	20	11.2	0.00112	2.00E-03
STCDH_034	97.5	99	28	9.6000004	9.60E-04	2.80E-03
STCDH_034	99	100.5	38	8.6000004	8.60E-04	3.80E-03
STCDH_034	100.5	102	42	10.4	0.00104	4.20E-03
STCDH_034	102	103.5	29	10.2	0.00102	0.0029
STCDH_034	103.5	105	28	3.7	3.70E-04	2.80E-03
STCDH_034	105	106.5	29	10.7	0.00107	0.0029
STCDH_034	106.5	108	2	8430	0.84299999	2.00E-04
STCDH_034	108	109.5	28	50.099998	0.00501	2.80E-03
STCDH_034	109.5	111	29	29.5	2.95E-03	0.0029

STCDH_034	111	112.5	26	51.599998	5.16E-03	0.0026
STCDH_034	112.5	113.05	17	27.4	2.74E-03	0.0017
STCDH_034	113.05	114.5	-9999	-9999	-0.99989998	-0.99989998
STCDH_034	114.5	116	17	30.200001	3.02E-03	0.0017
STCDH_034	116	117.5	30	23.4	2.34E-03	0.003
STCDH_034	117.5	119	16	18.6	1.86E-03	0.0016
STCDH_034	119	120.5	27	28	2.80E-03	2.70E-03
STCDH_034	120.5	122	33	30	0.003	0.0033
STCDH_034	122	123.5	42	25	2.50E-03	4.20E-03
STCDH_034	123.5	125	70	110	0.011	7.00E-03
STCDH_034	125	126.5	64	33.900002	3.39E-03	6.40E-03
STCDH_034	126.5	127.6	51	-0.5	-5.00E-05	5.10E-03
STCDH_036	0	1	200	11600	1.16	0.02
STCDH_036	1	2	200	15600	1.5599999	0.02
STCDH_036	2	3	300	65300	6.5300002	3.00E-02
STCDH_036	3	4	100	29400	2.9400001	1.00E-02
STCDH_036	4	5	-100	19000	1.9	-1.00E-02
STCDH_036	5	6	-100	17300	1.73	-1.00E-02
STCDH_036	6	7	-100	16700	1.67	-1.00E-02
STCDH_036	7	8	-100	17400	1.74	-1.00E-02
STCDH_036	8	9	-100	24900	2.49	-1.00E-02
STCDH_036	9	10	-100	24800	2.48	-1.00E-02
STCDH_036	10	10.5	-100	95700	9.5699997	-1.00E-02
STCDH_036	10.5	11	-100	15700	1.5700001	-1.00E-02
STCDH_036	11	12	-100	22100	2.21	-1.00E-02
STCDH_036	12	13	-100	42800	4.2800002	-1.00E-02
STCDH_036	13	14	-100	8910	0.89099997	-1.00E-02
STCDH_036	14	14.5	-100	2730	0.273	-1.00E-02
STCDH_036	14.5	15	-100	11300	1.13	-1.00E-02
STCDH_036	15	16	-100	15000	1.5	-1.00E-02
STCDH_036	16	17	-100	10500	1.05	-1.00E-02
STCDH_036	17	18	-100	20100	2.01	-1.00E-02
STCDH_036	18	19	-100	20600	2.0599999	-1.00E-02
STCDH_036	19	20	-100	23400	2.3399999	-1.00E-02
STCDH_036	20	21	-100	2210	0.221	-1.00E-02
STCDH_036	21	22	-100	17200	1.72	-1.00E-02
STCDH_036	22	23	-100	1320	0.132	-1.00E-02
STCDH_036	23	24	-100	4550	0.45500001	-1.00E-02
STCDH_036	24	25	-100	7680	0.76800001	-1.00E-02
STCDH_036	25	26	-100	2000	0.2	-1.00E-02
STCDH_036	26	27	-100	8440	0.84399998	-1.00E-02
STCDH_036	27	28	-100	32800	3.28	-1.00E-02
STCDH_036	28	29	1900	22700	2.27	0.19
STCDH_036	29	30	800	11100	1.11	8.00E-02
STCDH_036	30	31	600	9510	0.95099998	6.00E-02
STCDH_036	31	32	700	6880	0.68800002	0.07
STCDH_036	32	33	1100	8680	0.86799997	0.11
STCDH_036	33	34	900	16000	1.6	9.00E-02
STCDH_036	34	35	700	5340	0.53399998	0.07
STCDH_036	35	36	700	32900	3.29	0.07
STCDH_036	36	37	1000	7690	0.76899999	0.1
STCDH_036	37	38	200	9960	0.99599999	0.02
STCDH_036	38	39	1400	13600	1.36	0.14
STCDH_036	39	40	3300	28000	2.8	0.33000001
STCDH_036	40	41	600	16100	1.61	6.00E-02
STCDH_036	41	42	100	12100	1.21	1.00E-02
STCDH_036	42	43	7900	42400	4.2399998	0.79000002
STCDH_036	43	44	-100	12700	1.27	-1.00E-02
STCDH_036	44	45	-100	7970	0.79699999	-1.00E-02
STCDH_036	45	46	-100	9710	0.97100002	-1.00E-02
STCDH_036	46	47	200	46500	4.6500001	0.02
STCDH_036	47	48	100	19700	1.97	1.00E-02
STCDH_036	48	49	700	18300	1.83	0.07

STCDH_036	49	50	1400	11200	1.12	0.14
STCDH_036	50	51	1600	7850	0.78500003	0.16
STCDH_036	51	52	1100	13300	1.33	0.11
STCDH_036	52	53	300	4350	0.435	3.00E-02
STCDH_036	53	54	1000	28200	2.8199999	0.1
STCDH_036	54	55	-100	7520	0.75199997	-1.00E-02
STCDH_036	55	56	500	21100	2.1099999	5.00E-02
STCDH_036	56	57	1300	20700	2.0699999	0.13
STCDH_036	57	58	200	35000	3.5	0.02
STCDH_036	58	59	200	33400	3.3399999	0.02
STCDH_036	59	60	100	45900	4.5900002	1.00E-02
STCDH_036	60	61	-100	51000	5.0999999	-1.00E-02
STCDH_036	61	62	100	91300	9.1300001	1.00E-02
STCDH_036	62.5	63	100	35100	3.51	1.00E-02
STCDH_036	63	64	-100	21100	2.1099999	-1.00E-02
STCDH_036	64	65.5	-100	34600	3.46	-1.00E-02
STCDH_036	65.5	67	100	46500	4.6500001	1.00E-02
STCDH_036	67	68	-100	11400	1.14	-1.00E-02
STCDH_036	68	69	-100	55300	5.5300002	-1.00E-02
STCDH_036	69	70	-100	12500	1.25	-1.00E-02
STCDH_036	70	71	-100	19300	1.9299999	-1.00E-02
STCDH_036	71	72	-100	48200	4.8200002	-1.00E-02
STCDH_036	72	73	-100	9450	0.94499999	-1.00E-02
STCDH_036	73	74	-100	38500	3.8499999	-1.00E-02
STCDH_036	74	75	-100	10500	1.05	-1.00E-02
STCDH_036	75	76	-100	25800	2.5799999	-1.00E-02
STCDH_036	76	77	-100	18900	1.89	-1.00E-02
STCDH_036	77	78	-100	20500	2.05	-1.00E-02
STCDH_036	78	79	100	33800	3.3800001	1.00E-02
STCDH_036	79	80	-100	20200	2.02	-1.00E-02
STCDH_036	80	81	-100	22500	2.25	-1.00E-02
STCDH_036	81	82	-100	73000	7.3000002	-1.00E-02
STCDH_036	82	83	-100	17400	1.74	-1.00E-02
STCDH_036	83	84	-100	13500	1.35	-1.00E-02
STCDH_036	84	85	100	72900	7.29	1.00E-02
STCDH_036	85	86	100	30500	3.05	1.00E-02
STCDH_036	86	87	600	40400	4.04	6.00E-02
STCDH_036	87	88	200	8050	0.80500001	0.02
STCDH_036	88	89	300	11100	1.11	3.00E-02
STCDH_036	89	90	100	24800	2.48	1.00E-02
STCDH_036	90	91	300	6490	0.64899999	3.00E-02
STCDH_036	91	92	100	30600	3.0599999	1.00E-02
STCDH_036	92	93	-100	34700	3.47	-1.00E-02
STCDH_036	93	94	-100	23000	2.3	-1.00E-02
STCDH_036	94	95	100	16400	1.64	1.00E-02
STCDH_036	95	96	100	18200	1.8200001	1.00E-02
STCDH_036	96	97	-100	62300	6.23	-1.00E-02
STCDH_036	97	98.5	-100	33500	3.3499999	-1.00E-02
STCDH_036	100	101	-100	44800	4.48	-1.00E-02
STCDH_036	101	102	300	25000	2.5	3.00E-02
STCDH_036	102	103	300	19500	1.95	3.00E-02
STCDH_036	103	104	700	31900	3.1900001	0.07
STCDH_036	104	105	4800	87200	8.7200003	0.47999999
STCDH_036	105	106	1600	39600	3.96	0.16
STCDH_036	106	107	400	35700	3.5699999	4.00E-02
STCDH_036	107	108	400	27900	2.79	4.00E-02
STCDH_036	108	109	400	46400	4.6399999	4.00E-02
STCDH_036	109	110	1000	34500	3.45	0.1
STCDH_036	110	111	4200	55900	5.5900002	0.41999999
STCDH_036	111	112	14200	45400	4.54	1.42
STCDH_036	112	113	2600	37100	3.71	0.25999999
STCDH_036	113	114	-100	14100	1.41	-1.00E-02
STCDH_036	114	115	-100	25500	2.55	-1.00E-02

STCDH_036	115	116	-100	30200	3.02	-1.00E-02
STCDH_036	116	117	-100	14100	1.41	-1.00E-02
STCDH_036	117	118	-100	15900	1.59	-1.00E-02
STCDH_036	118	119	300	40000	4	3.00E-02
STCDH_036	119	120	-100	19400	1.9400001	-1.00E-02
STCDH_036	120	121	-100	23200	2.3199999	-1.00E-02
STCDH_036	121	122	-100	13000	1.3	-1.00E-02
STCDH_036	122	123	100	19700	1.97	1.00E-02
STCDH_036	123	124	-100	18400	1.84	-1.00E-02
STCDH_036	124	125	-100	14000	1.4	-1.00E-02
STCDH_036	125	126	-100	17400	1.74	-1.00E-02
STCDH_036	126	127	-100	16300	1.63	-1.00E-02
STCDH_036	127	128	-100	13000	1.3	-1.00E-02
STCDH_036	128	129	-100	16600	1.66	-1.00E-02
STCDH_036	129	130	-100	19100	1.91	-1.00E-02
STCDH_036	130	131	-100	13900	1.39	-1.00E-02
STCDH_036	131	132	-100	16100	1.61	-1.00E-02
STCDH_036	132	133	-100	22100	2.21	-1.00E-02
STCDH_036	133	134	100	34200	3.4200001	1.00E-02
STCDH_036	134	135	-100	20800	2.0799999	-1.00E-02
STCDH_036	135	136	-100	38100	3.8099999	-1.00E-02
STCDH_036	136	137	-100	34100	3.4100001	-1.00E-02
STCDH_036	137	138	-100	27400	2.74	-1.00E-02
STCDH_036	138	139	200	42100	4.21	0.02
STCDH_036	139	140	-100	19100	1.91	-1.00E-02
STCDH_036	140	141	-100	27300	2.73	-1.00E-02
STCDH_036	141	142	-100	24100	2.4100001	-1.00E-02
STCDH_036	142	143	-100	36400	3.6400001	-1.00E-02
STCDH_036	143	144	-100	30900	3.0899999	-1.00E-02
STCDH_036	144	145	-100	27600	2.76	-1.00E-02
STCDH_036	145	146	-100	31300	3.1300001	-1.00E-02
STCDH_036	146	147	-100	30200	3.02	-1.00E-02
STCDH_036	147	148	-100	26100	2.6099999	-1.00E-02
STCDH_036	148	149	-100	36200	3.6199999	-1.00E-02
STCDH_036	149	150	-100	25100	2.51	-1.00E-02
STCDH_036	150	151	-100	38600	3.8599999	-1.00E-02
STCDH_036	151	152	-100	34500	3.45	-1.00E-02
STCDH_036	152	153	-100	25800	2.5799999	-1.00E-02
STCDH_036	153	154	-100	19100	1.91	-1.00E-02
STCDH_036	154	155	-100	23800	2.3800001	-1.00E-02
STCDH_036	155	156	-100	36100	3.6099999	-1.00E-02
STCDH_036	156	157	-100	14200	1.42	-1.00E-02
STCDH_036	157	158	-100	43400	4.3400002	-1.00E-02
STCDH_036	158	159	-100	18200	1.8200001	-1.00E-02
STCDH_036	159	160	-100	25500	2.55	-1.00E-02
STCDH_036	160	161	-100	36600	3.6600001	-1.00E-02
STCDH_036	161	162	-100	21400	2.1400001	-1.00E-02
STCDH_036	162	163	-100	36900	3.6900001	-1.00E-02
STCDH_036	163	164	-100	10300	1.03	-1.00E-02
STCDH_036	164	165	-100	20600	2.0599999	-1.00E-02
STCDH_036	165	166	-100	21500	2.1500001	-1.00E-02
STCDH_036	166	167	-100	71800	7.1799998	-1.00E-02
STCDH_036	167	168	-100	18900	1.89	-1.00E-02
STCDH_036	168	169	-100	28300	2.8299999	-1.00E-02
STCDH_036	169	170	-100	19300	1.9299999	-1.00E-02
STCDH_036	170	171	-100	25000	2.5	-1.00E-02
STCDH_036	171	172	-100	22300	2.23	-1.00E-02
STCDH_036	172	173	-100	24600	2.46	-1.00E-02
STCDH_036	173	174	-100	68000	6.8000002	-1.00E-02
STCDH_036	174	175	-100	47600	4.7600002	-1.00E-02
STCDH_036	175	176	-100	50000	5	-1.00E-02
STCDH_036	176	177	-100	41300	4.1300001	-1.00E-02
STCDH_036	177	178	-100	47500	4.75	-1.00E-02

STCDH_036	178	179	-100	35300	3.53	-1.00E-02
STCDH_036	179	180	-100	51300	5.1300001	-1.00E-02
STCDH_036	180	181	-100	51700	5.1700001	-1.00E-02
STCDH_036	181	182	-100	40800	4.0799999	-1.00E-02
STCDH_036	182	183	-100	50200	5.02	-1.00E-02
STCDH_036	183	184	-100	32800	3.28	-1.00E-02
STCDH_036	184	185	-100	73000	7.3000002	-1.00E-02
STCDH_036	185	186	-100	46100	4.6100001	-1.00E-02
STCDH_036	186	187	-100	32100	3.21	-1.00E-02
STCDH_036	187	188	-100	24000	2.4000001	-1.00E-02
STCDH_036	188	189	-100	41200	4.1199999	-1.00E-02
STCDH_036	189	190	-100	132000	13.2	-1.00E-02
STCDH_036	190	191	-100	86600	8.6599998	-1.00E-02
STCDH_036	191	192	-100	54900	5.4899998	-1.00E-02
STCDH_036	192	193	-100	63300	6.3299999	-1.00E-02
STCDH_036	193	194	-100	142000	14.2	-1.00E-02
STCDH_036	194	195	-100	81400	8.1400003	-1.00E-02
STCDH_036	195	196	-100	72000	7.1999998	-1.00E-02
STCDH_036	196	197	-100	68800	6.8800001	-1.00E-02
STCDH_036	197	198	-100	54700	5.4699998	-1.00E-02
STCDH_036	198	199	-100	59800	5.98	-1.00E-02
STCDH_036	199	200	-100	72400	7.2399998	-1.00E-02
STCDH_036	200	201	-100	64000	6.4000001	-1.00E-02
STCDH_036	201	202	-100	87600	8.7600002	-1.00E-02
STCDH_036	202	203.2	-100	49000	4.9000001	-1.00E-02
STCDH_036	203.2	204	-100	37700	3.77	-1.00E-02
STCDH_036	204	205	-100	28400	2.8399999	-1.00E-02
STCDH_036	205	206	-100	30300	3.03	-1.00E-02
STCDH_036	206	207	-100	19000	1.9	-1.00E-02
STCDH_036	207	208	-100	27000	2.7	-1.00E-02
STCDH_036	208	209	-100	42200	4.2199998	-1.00E-02
STCDH_036	209	209.7	-100	43100	4.3099999	-1.00E-02
STCDH_036	209.7	210	-100	64400	6.4400001	-1.00E-02
STCDH_036	210	211	-100	98700	9.8699999	-1.00E-02
STCDH_036	211	212	-100	75800	7.5799999	-1.00E-02
STCDH_036	212	213	-100	93800	9.3800001	-1.00E-02
STCDH_036	213	214	-100	72300	7.23	-1.00E-02
STCDH_036	214	215	-100	70900	7.0900002	-1.00E-02
STCDH_036	215	216	-100	67100	6.71	-1.00E-02
STCDH_036	216	217	-100	160000	16	-1.00E-02
STCDH_036	217	218	-100	70800	7.0799999	-1.00E-02
STCDH_036	218	219	-100	97400	9.7399998	-1.00E-02
STCDH_036	219	220	-100	53500	5.3499999	-1.00E-02
STCDH_036	220	221	-100	47000	4.6999998	-1.00E-02
STCDH_036	221	222	-100	53200	5.3200002	-1.00E-02
STCDH_036	222	223	-100	44400	4.4400001	-1.00E-02
STCDH_036	223	224	-100	59400	5.9400001	-1.00E-02
STCDH_036	224	225	-100	56600	5.6599998	-1.00E-02
STCDH_036	225	226	-100	34800	3.48	-1.00E-02
STCDH_036	226	227	-100	98600	9.8599997	-1.00E-02
STCDH_036	227	228	-100	52800	5.2800002	-1.00E-02
STCDH_036	228	229	-100	51500	5.1500001	-1.00E-02
STCDH_036	229	230	-100	73300	7.3299999	-1.00E-02
STCDH_036	230	231	-100	50200	5.02	-1.00E-02
STCDH_036	231	232	-100	106000	10.6	-1.00E-02
STCDH_036	232	232.7	-100	50900	5.0900002	-1.00E-02
STCDH_036	232.7	233.5	-100	7630	0.76300001	-1.00E-02
STCDH_036	233.5	235	-100	35400	3.54	-1.00E-02
STCDH_036	235	236.5	-100	7350	0.73500001	-1.00E-02
STCDH_036	236.5	238	-100	81.599998	8.16E-03	-1.00E-02
STCDH_036	238	239.5	-100	71.5	0.00715	-1.00E-02
STCDH_036	239.5	241	-100	30.799999	3.08E-03	-1.00E-02
STCDH_036	241	242.5	-100	203	2.03E-02	-1.00E-02

STCDH_036	242.5	244	-100	119	0.0119	-1.00E-02
STCDH_036	244	245.5	-100	57.200001	5.72E-03	-1.00E-02
STCDH_036	245.5	247	-100	26.299999	0.00263	-1.00E-02
STCDH_036	247	248.5	-100	52.900002	5.29E-03	-1.00E-02
STCDH_036	248.5	250	-100	26.5	2.65E-03	-1.00E-02
STCDH_035	0	1	61	11300	1.13	6.10E-03
STCDH_035	1	2	63	45700	4.5700002	0.0063
STCDH_035	2	2.9000001	43	62400	6.2399998	4.30E-03
STCDH_035	2.9000001	4	22	39600	3.96	0.0022
STCDH_035	4	4.5999999	20	24800	2.48	2.00E-03
STCDH_035	4.5999999	5	29	37400	3.74	0.0029
STCDH_035	5	6	26	29800	2.98	0.0026
STCDH_035	6	7	142	111000	11.1	0.0142
STCDH_035	7	8	66	51500	5.1500001	0.0066
STCDH_035	8	9	191	112000	11.2	1.91E-02
STCDH_035	9	10	335	116000	11.6	3.35E-02
STCDH_035	10	11	-9999	-9999	-0.99989998	-0.99989998
STCDH_035	11	12	242	82300	8.2299995	0.0242
STCDH_035	12	13	35	38500	3.8499999	3.50E-03
STCDH_035	13	14	218	90100	9.0100002	0.0218
STCDH_035	14	15	112	80100	8.0100002	0.0112
STCDH_035	15	17	125	99600	9.96	0.0125
STCDH_035	17	18	293	46500	4.6500001	2.93E-02
STCDH_035	18	19	1190	125000	12.5	0.119
STCDH_035	19	20	389	64300	6.4299998	3.89E-02
STCDH_035	20	21	523	74900	7.4899998	5.23E-02
STCDH_035	21	22.5	759	149000	14.9	7.59E-02
STCDH_035	25.5	28.5	875	141000	14.1	8.75E-02
STCDH_035	30	33	3690	138000	13.8	0.36899999
STCDH_035	51	52	1890	51900	5.1900001	0.189
STCDH_035	52	53	1870	52700	5.27	0.18700001
STCDH_035	53	55	1550	129000	12.9	0.155
STCDH_035	55	58	1570	152000	15.2	0.15700001
STCDH_035	58	60	1630	78300	7.8299999	0.163
STCDH_035	60	62	1710	93700	9.3699999	0.171
STCDH_035	62	63	1190	69800	6.98	0.119
STCDH_035	63	64	703	95700	9.5699997	7.03E-02
STCDH_035	64	65	1320	76400	7.6399999	0.132
STCDH_035	65	66	4330	93200	9.3199997	0.433
STCDH_035	66	67	343	65200	6.52	3.43E-02
STCDH_035	67	68	381	78900	7.8899999	0.0381
STCDH_035	68	69	461	103000	10.3	4.61E-02
STCDH_035	69	70	137	36500	3.6500001	0.0137
STCDH_035	70	71.199997	72	22900	2.29	7.20E-03
STCDH_035	71.199997	72	180	53000	5.3000002	1.80E-02
STCDH_035	72	73	192	34200	3.4200001	1.92E-02
STCDH_035	73	74	1640	44100	4.4099998	0.164
STCDH_035	74	75	106	33600	3.3599999	0.0106
STCDH_035	75	76	321	31100	3.1099999	3.21E-02
STCDH_035	76	77	239	37300	3.73	0.0239
STCDH_035	77	78	172	20700	2.0699999	1.72E-02
STCDH_035	78	79	3680	30300	3.03	0.368
STCDH_035	79	80	795	31200	3.1199999	7.95E-02
STCDH_035	80	81	367	16200	1.62	3.67E-02
STCDH_035	81	82	162	36700	3.6700001	0.0162
STCDH_035	82	83	67	16500	1.65	6.70E-03
STCDH_035	83	84	144	18900	1.89	0.0144
STCDH_035	84	85	246	45600	4.5599999	2.46E-02
STCDH_035	85	86	783	37800	3.78	7.83E-02
STCDH_035	86	87	107	23000	2.3	0.0107
STCDH_035	87	88	279	10300	1.03	2.79E-02
STCDH_035	88	89	450	11600	1.16	4.50E-02
STCDH_035	89	90.199997	13000	45800	4.5799999	1.3

STCDH_035	90.199997	93	4650	21300	2.1300001	0.465
STCDH_035	93	95	3340	17900	1.79	0.33399999
STCDH_035	95	96	3290	11700	1.17	0.329
STCDH_035	96	97	680	4750	0.47499999	6.80E-02
STCDH_035	97	98	706	5410	0.54100001	7.06E-02
STCDH_035	98	99	13000	25200	2.52	1.3
STCDH_035	99	100	2930	8720	0.87199998	0.29300001
STCDH_035	100	101	106	12200	1.22	0.0106
STCDH_035	101	102	679	26000	2.5999999	6.79E-02
STCDH_035	102	103.5	249	17000	1.7	2.49E-02
STCDH_035	103.5	104	718	23500	2.3499999	7.18E-02
STCDH_035	104	105	2110	32100	3.21	0.211
STCDH_035	105	106	4710	42400	4.2399998	0.47099999
STCDH_035	106	107	5480	36700	3.6700001	0.54799998
STCDH_035	107	108	3010	25200	2.52	0.301
STCDH_035	108	109	1390	27500	2.75	0.139
STCDH_035	109	110	1210	26600	2.6600001	0.121
STCDH_035	110	111	320	17600	1.76	3.20E-02
STCDH_035	111	112	414	18200	1.8200001	0.0414
STCDH_035	112	113	2070	7890	0.78899997	0.207
STCDH_035	113	114	585	17300	1.73	5.85E-02
STCDH_035	114	115	780	14700	1.47	7.80E-02
STCDH_035	115	116	1360	15000	1.5	0.13600001
STCDH_035	116	117	868	9210	0.921	8.68E-02
STCDH_035	117	118	348	6930	0.69300002	0.0348
STCDH_035	118	119	700	4860	0.486	0.07
STCDH_035	119	120	2770	6510	0.65100002	0.27700001
STCDH_035	120	121	180	4840	0.484	1.80E-02
STCDH_035	121	122	699	9600	0.95999998	6.99E-02
STCDH_035	122	123	10800	25400	2.54	1.08
STCDH_035	123	124	1380	8590	0.85900003	0.138
STCDH_035	124	125	20000	28900	2.8900001	2
STCDH_035	125	126	2630	17500	1.75	0.26300001
STCDH_035	126	127	2870	9350	0.935	0.287
STCDH_035	127	128	1650	8200	0.81999999	0.16500001
STCDH_035	128	129	5810	30000	3	0.58099997
STCDH_035	129	130	3870	15200	1.52	0.38699999
STCDH_035	130	131	3330	19400	1.9400001	0.333
STCDH_035	131	132	987	17200	1.72	9.87E-02
STCDH_035	132	133	440	11100	1.11	0.044
STCDH_035	133	134	53	11700	1.17	5.30E-03
STCDH_035	134	135	3210	31400	3.1400001	0.32100001
STCDH_035	135	136	439	7470	0.74699998	4.39E-02
STCDH_035	136	137	85	10000	1	8.50E-03
STCDH_035	137	138	37	7450	0.745	0.0037
STCDH_035	138	139	61	18100	1.8099999	6.10E-03
STCDH_035	139	140	21	21000	2.0999999	2.10E-03
STCDH_035	140	141	22	15900	1.59	0.0022
STCDH_035	141	142	30	33600	3.3599999	0.003
STCDH_035	142	143	52	13600	1.36	0.0052
STCDH_035	143	144	230	32600	3.26	0.023
STCDH_035	144	145	565	18000	1.8	5.65E-02
STCDH_035	145	145.5	194	11500	1.15	1.94E-02
STCDH_035	145.5	146	11700	20100	2.01	1.17
STCDH_035	146	147	87	25600	2.5599999	8.70E-03
STCDH_035	147	148	1150	42100	4.21	0.115
STCDH_035	148	149	1110	37600	3.76	0.111
STCDH_035	149	150	252	34600	3.46	0.0252
STCDH_035	150	151	2970	38100	3.8099999	0.29699999
STCDH_035	151	152	22900	27900	2.79	2.29
STCDH_035	152	153	1380	38700	3.8699999	0.138
STCDH_035	153	154	716	39400	3.9400001	7.16E-02
STCDH_035	154	155	108	35900	3.5899999	0.0108

STCDH_035	155	156	1740	39100	3.9100001	0.17399999
STCDH_035	156	157	88	37600	3.76	0.0088
STCDH_035	157	158	144	42300	4.23	0.0144
STCDH_035	158	159	3510	33800	3.3800001	0.35100001
STCDH_035	159	160	104	37500	3.75	0.0104
STCDH_035	160	161	233	51800	5.1799998	0.0233
STCDH_035	161	162	82	32700	3.27	0.0082
STCDH_035	162	163	10300	35800	3.5799999	1.03
STCDH_035	163	164	36500	31900	3.1900001	3.6500001
STCDH_035	164	165	18000	44600	4.46	1.8
STCDH_035	165	166	21600	31700	3.1700001	2.1600001
STCDH_035	166	167	20600	44500	4.4499998	2.0599999
STCDH_035	167	168	545	37300	3.73	5.45E-02
STCDH_035	168	169	348	55000	5.5	0.0348
STCDH_035	169	170	91	44400	4.4400001	9.10E-03
STCDH_035	170	171	1430	37100	3.71	0.14300001
STCDH_035	171	172	34000	34700	3.47	3.4000001
STCDH_035	172	173	1010	45200	4.52	0.101
STCDH_035	173	174	81	42000	4.1999998	8.10E-03
STCDH_035	174	175	5020	53600	5.3600001	0.50199997
STCDH_035	175	176	153	43700	4.3699999	0.0153
STCDH_035	176	177	16900	45400	4.54	1.6900001
STCDH_035	177	178	129	49200	4.9200001	0.0129
STCDH_035	178	179	4110	43300	4.3299999	0.41100001
STCDH_035	179	180	31600	50600	5.0599999	3.1600001
STCDH_035	180	181	6770	49700	4.9699998	0.67699999
STCDH_035	181	182	49800	73400	7.3400002	4.98
STCDH_035	182	183	4020	48400	4.8400002	0.40200001
STCDH_035	183	184	24600	62700	6.27	2.46
STCDH_035	184	185	27100	72200	7.2199998	2.71
STCDH_035	185	186	11700	66100	6.6100001	1.17
STCDH_035	186	187	7470	44400	4.4400001	0.74699998
STCDH_035	187	188	4390	57000	5.6999998	0.43900001
STCDH_035	188	189	7260	51100	5.1100001	0.72600001
STCDH_035	189	190	409	58400	5.8400002	4.09E-02
STCDH_035	190	191	265	63000	6.3000002	0.0265
STCDH_035	191	192	740	55600	5.5599999	7.40E-02
STCDH_035	192	193	5270	66900	6.6900001	0.52700001
STCDH_035	193	194	5380	38900	3.8900001	0.53799999
STCDH_035	194	195	3300	53800	5.3800001	0.33000001
STCDH_035	195	196	4540	55400	5.54	0.454
STCDH_035	196	197	28100	30900	3.0899999	2.8099999
STCDH_035	197	197.89999	28900	31500	3.1500001	2.8900001
STCDH_035	197.89999	199	621	54000	5.4000001	6.21E-02
STCDH_035	199	200	4460	26700	2.6700001	0.44600001
STCDH_035	200	201	21200	35500	3.55	2.1199999
STCDH_035	201	202	10800	41600	4.1599998	1.08
STCDH_035	202	203	2440	35000	3.5	0.244
STCDH_035	203	204	334	9300	0.93000001	3.34E-02
STCDH_035	204	205	126	15400	1.54	0.0126
STCDH_035	205	205.8	5890	41200	4.1199999	0.58899999
STCDH_035	205.8	207	3310	11600	1.16	0.331
STCDH_035	207	207.8	13900	33800	3.3800001	1.39
STCDH_035	207.8	209	2020	24000	2.4000001	0.20200001
STCDH_035	209	210	72	10400	1.04	7.20E-03
STCDH_035	210	211	6500	23400	2.3399999	0.64999998
STCDH_035	211	212	19	13500	1.35	0.0019
STCDH_035	212	213	1510	85500	8.5500002	0.15099999
STCDH_035	213	213.3	67	29100	2.9100001	6.70E-03
STCDH_035	213.3	214	51	40600	4.0599999	5.10E-03
STCDH_035	214	215	1040	53300	5.3299999	0.104
STCDH_035	215	216	94	7750	0.77499998	9.40E-03
STCDH_035	216	217	107	92200	9.2200003	0.0107

STCDH_035	217	218	1190	92000	9.1999998	0.119
STCDH_035	218	219	136	32300	3.23	0.0136
STCDH_035	219	220	87	41600	4.1599998	8.70E-03
STCDH_035	220	221	162	61300	6.1300001	0.0162
STCDH_035	221	222	229	45000	4.5	0.0229
STCDH_035	222	223	82	20000	2	0.0082
STCDH_035	223	224	55	67500	6.75	0.0055
STCDH_035	224	225	100	53100	5.3099999	1.00E-02
STCDH_035	225	226	105	12900	1.29	0.0105
STCDH_035	226	227	143	16200	1.62	0.0143
STCDH_035	227	228	391	33000	3.3	3.91E-02
STCDH_035	228	229	209	38700	3.8699999	0.0209
STCDH_035	229	230	402	73600	7.3600001	4.02E-02
STCDH_035	230	231	478	55900	5.5900002	4.78E-02
STCDH_035	231	232.5	57	4200	0.41999999	5.70E-03
STCDH_035	232.5	234	9	101	0.0101	9.00E-04
STCDH_035	234	235.5	9	42.700001	4.27E-03	9.00E-04
STCDH_035	235.5	237	8	42.400002	4.24E-03	8.00E-04
STCDH_035	237	238.5	10	59.799999	5.98E-03	0.001
STCDH_035	238.5	240	5	20.1	2.01E-03	5.00E-04
STCDH_037	0	1	1440	6910	0.69099998	0.14399999
STCDH_037	1	2	3900	22600	2.26	0.38999999
STCDH_037	2	3	3380	6850	0.685	0.338
STCDH_037	3	4	3490	8300	0.82999998	0.34900001
STCDH_037	4	5	3590	8680	0.86799997	0.359
STCDH_037	5	6	2470	7830	0.78299999	0.24699999
STCDH_037	6	7	3080	7510	0.75099999	0.308
STCDH_037	7	8	3030	8110	0.81099999	0.303
STCDH_037	8	9	1650	7730	0.773	0.16500001
STCDH_037	9	10	1150	4500	0.44999999	0.115
STCDH_037	10	11	866	6040	0.60399997	8.66E-02
STCDH_037	11	12	1750	16000	1.6	0.175
STCDH_037	12	13	5610	19000	1.9	0.56099999
STCDH_037	13	14	5010	11000	1.1	0.50099999
STCDH_037	14	15	6640	12900	1.29	0.66399997
STCDH_037	15	16	6630	13900	1.39	0.66299999
STCDH_037	16	17	6230	13400	1.34	0.62300003
STCDH_037	17	18	5540	14400	1.4400001	0.55400002
STCDH_037	18	19	3820	22100	2.21	0.382
STCDH_037	19	20	4630	27300	2.73	0.463
STCDH_037	20	21	2590	17600	1.76	0.259
STCDH_037	21	22	2150	12900	1.29	0.215
STCDH_037	22	23.1	2410	19400	1.9400001	0.241
STCDH_037	26.700001	28	6650	21500	2.1500001	0.66500002
STCDH_037	28	29	9010	20000	2	0.90100002
STCDH_037	29	30	15200	34400	3.4400001	1.52
STCDH_037	30	31.299999	62600	111000	11.1	6.2600002
STCDH_037	31.299999	32	14900	25400	2.54	1.49
STCDH_037	32	33	14700	28100	2.8099999	1.47
STCDH_037	33	33.700001	11700	29900	2.99	1.17
STCDH_037	36.700001	39.700001	15200	125000	12.5	1.52
STCDH_037	41.200001	42.700001	1020	23100	2.3099999	0.102
STCDH_037	42.700001	44.200001	3920	79400	7.9400001	0.39199999
STCDH_037	44.200001	45	3060	14500	1.45	0.30599999
STCDH_037	45	46	10800	45400	4.54	1.08
STCDH_037	46	47	11700	32900	3.29	1.17
STCDH_037	47	48	2810	4590	0.45899999	0.28099999
STCDH_037	48	49	5710	9120	0.912	0.57099998
STCDH_037	49	50	3920	8860	0.88599998	0.39199999
STCDH_037	50	51	6930	23600	2.3599999	0.69300002
STCDH_037	51	51.700001	7900	31300	3.1300001	0.79000002
STCDH_037	51.700001	52	14300	25000	2.5	1.4299999
STCDH_037	52	53	3690	15600	1.5599999	0.36899999

STCDH_037	53	54	2980	17900	1.79	0.29800001
STCDH_037	54	55	2370	32600	3.26	0.237
STCDH_037	55	56	1990	52200	5.2199998	0.199
STCDH_037	56	57	5140	20200	2.02	0.514
STCDH_037	57	58	7190	17600	1.76	0.71899998
STCDH_037	58	59	1900	41900	4.1900001	0.19
STCDH_037	59	60	821	22600	2.26	8.21E-02
STCDH_037	60	61	458	53800	5.3800001	0.0458
STCDH_037	61	62	123	5740	0.574	0.0123
STCDH_037	62	62.700001	123	10800	1.08	0.0123
STCDH_037	62.700001	63	222	255000	25.5	0.0222
STCDH_037	63	64	863	22500	2.25	8.63E-02
STCDH_037	64	65	72	22100	2.21	7.20E-03
STCDH_037	65	66.099998	63	14600	1.46	0.0063
STCDH_037	66.099998	67	202	27100	2.71	2.02E-02
STCDH_037	67	68	124	31700	3.1700001	0.0124
STCDH_037	68	69	97	56200	5.6199999	9.70E-03
STCDH_037	69	70	13	545	5.45E-02	0.0013
STCDH_037	70	71	213	47300	4.73	2.13E-02
STCDH_037	71	72	107	4800	0.47999999	0.0107
STCDH_037	72	73	146	20000	2	0.0146
STCDH_037	73	74	153	25900	2.5899999	0.0153
STCDH_037	74	75	606	113000	11.3	6.06E-02
STCDH_037	75	76	158	9240	0.92400002	1.58E-02
STCDH_037	76	77	297	22200	2.22	0.0297
STCDH_037	77	78	1570	37700	3.77	0.15700001
STCDH_037	78	79	496	16100	1.61	4.96E-02
STCDH_037	79	80.5	834	38100	3.8099999	8.34E-02
STCDH_037	80.5	81	969	50200	5.02	9.69E-02
STCDH_037	81	82	1360	69800	6.98	0.13600001
STCDH_037	82	83	271	64800	6.48	2.71E-02
STCDH_037	83	84	150	41400	4.1399999	0.015
STCDH_037	84	85	218	43600	4.3600001	0.0218
STCDH_037	85	86	151	46900	4.6900001	0.0151
STCDH_037	86	87	188	50900	5.0900002	0.0188
STCDH_037	87	88	161	27500	2.75	1.61E-02
STCDH_037	88	89	88	20300	2.03	0.0088
STCDH_037	89	89.449997	135	44800	4.48	0.0135
STCDH_037	89.449997	90	122	36500	3.6500001	0.0122
STCDH_037	90	91	408	92200	9.2200003	4.08E-02
STCDH_037	91	92	136	37800	3.78	0.0136
STCDH_037	92	92.349998	337	112000	11.2	0.0337
STCDH_037	92.349998	93.099998	32	24200	2.4200001	3.20E-03
STCDH_037	93.099998	94	41	21600	2.1600001	0.0041
STCDH_037	94	95	79	33500	3.3499999	7.90E-03
STCDH_037	95	96	200	53600	5.3600001	0.02
STCDH_037	96	97	177	59500	5.9499998	0.0177
STCDH_037	97	98	458	62600	6.2600002	0.0458
STCDH_037	98	100	730	39200	3.9200001	7.30E-02
STCDH_037	100	101.7	559	51800	5.1799998	0.0559
STCDH_037	103.2	105	630	32400	3.24	6.30E-02
STCDH_037	105	106.7	3120	59100	5.9099998	0.31200001
STCDH_037	106.7	107.7	1440	50000	5	0.14399999
STCDH_037	107.7	109	8540	31800	3.1800001	0.85399997
STCDH_037	109	111	1640	3280	0.32800001	0.164
STCDH_037	111	111.9	254	92.800003	9.28E-03	0.0254
STCDH_037	111.9	113	142	75.199997	7.52E-03	0.0142
STCDH_037	113	115	104	37.299999	0.00373	0.0104
STCDH_037	115	117	95	46	4.60E-03	9.50E-03
STCDH_037	117	119	72	38.799999	0.00388	7.20E-03
STCDH_037	119	121	38	39.099998	0.00391	3.80E-03
STCDH_037	121	123	22	22.799999	2.28E-03	0.0022
STCDH_037	123	125	8	18.799999	1.88E-03	8.00E-04

STCDH_037	125	127	18	75.199997	7.52E-03	0.0018
STCDH_037	127	129	5	20	2.00E-03	5.00E-04
STCDH_037	129	131	4	57.200001	5.72E-03	4.00E-04
STCDH_037	131	133	6	54.900002	5.49E-03	6.00E-04
STCDH_037	133	135	4	45.299999	0.00453	4.00E-04
STCDH_037	135	136.7	5	112	0.0112	5.00E-04
STCDH_039	0	1	445	1110	0.111	4.45E-02
STCDH_039	1	2	465	1070	0.107	4.65E-02
STCDH_039	2	3	487	1200	0.12	4.87E-02
STCDH_039	3	4	285	724	7.24E-02	0.0285
STCDH_039	4	5	297	790	7.90E-02	0.0297
STCDH_039	5	6	244	615	6.15E-02	0.0244
STCDH_039	6	7	4	8.8000002	8.80E-04	4.00E-04
STCDH_039	7	8	678	1320	0.132	0.0678
STCDH_039	8	9	743	1870	0.18700001	7.43E-02
STCDH_039	9	10	452	1760	0.176	4.52E-02
STCDH_039	10	11	505	1680	0.168	5.05E-02
STCDH_039	11	12	402	1020	0.102	4.02E-02
STCDH_039	12	12.6	527	1230	0.123	5.27E-02
STCDH_039	14.1	15	487	1150	0.115	4.87E-02
STCDH_039	15	16	349	1380	0.138	3.49E-02
STCDH_039	16	17	256	1290	0.12899999	2.56E-02
STCDH_039	17	18	210	790	7.90E-02	0.021
STCDH_039	18	19	1010	2970	0.29699999	0.101
STCDH_039	19	20	643	2310	0.23100001	6.43E-02
STCDH_039	20	21	881	2880	0.28799999	8.81E-02
STCDH_039	21	21.6	440	1610	0.161	0.044
STCDH_039	23.1	24	365	1890	0.189	3.65E-02
STCDH_039	24	25	725	5030	0.50300002	7.25E-02
STCDH_039	25	26.1	178	1380	0.138	0.0178
STCDH_039	27.6	28	163	3560	0.35600001	0.0163
STCDH_039	28	29	65	438	0.0438	6.50E-03
STCDH_039	29	30	86	602	6.02E-02	8.60E-03
STCDH_039	30	31	111	1010	0.101	0.0111
STCDH_039	31	32	71	401	4.01E-02	0.0071
STCDH_039	32	33	82	276	0.0276	0.0082
STCDH_039	33	34	53	143	0.0143	5.30E-03
STCDH_039	34	35	50	113	0.0113	5.00E-03
STCDH_039	35	36	52	119	0.0119	0.0052
STCDH_039	36	37	896	1850	0.185	8.96E-02
STCDH_039	37	38	385	851	8.51E-02	0.0385
STCDH_039	38	40.599998	602	1120	0.112	6.02E-02
STCDH_039	43.599998	45.599998	123	356	3.56E-02	0.0123
STCDH_039	46.099998	48	450	721	7.21E-02	4.50E-02
STCDH_039	48	49	421	692	6.92E-02	4.21E-02
STCDH_039	49	50	175	331	3.31E-02	0.0175
STCDH_039	50	51	110	36.5	3.65E-03	0.011
STCDH_039	51	52	-1	-0.5	-5.00E-05	-1.00E-04
STCDH_039	52	53	78	174	0.0174	7.80E-03
STCDH_039	53	54	96	57	5.70E-03	9.60E-03
STCDH_039	54	55	173	21.1	0.00211	0.0173
STCDH_039	55	56	40	15.8	0.00158	4.00E-03
STCDH_039	56	57	71	15	0.0015	0.0071
STCDH_039	57	58	43	16.200001	1.62E-03	4.30E-03
STCDH_039	58	59.220001	29	16.6	1.66E-03	0.0029
STCDH_039	59.220001	60	178	21.4	0.00214	0.0178
STCDH_039	60	61	247	36.700001	0.00367	2.47E-02
STCDH_039	61	62	228	25	2.50E-03	0.0228
STCDH_039	62	62.5	211	29.799999	2.98E-03	0.0211
STCDH_039	62.5	63	25	19.299999	1.93E-03	2.50E-03
STCDH_039	63	64	69	167	0.0167	6.90E-03
STCDH_039	64	65	43	212	2.12E-02	4.30E-03
STCDH_039	65	66	62	162	0.0162	6.20E-03

STCDH_039	66	67	72	336	3.36E-02	7.20E-03
STCDH_039	67	68	71	151	0.0151	0.0071
STCDH_039	68	69	85	117	0.0117	8.50E-03
STCDH_039	69	70	123	127	0.0127	0.0123
STCDH_039	70	72	80	43	4.30E-03	8.00E-03
STCDH_039	72	73	51	82.199997	8.22E-03	5.10E-03
STCDH_039	73	74	45	49.400002	4.94E-03	4.50E-03
STCDH_039	74	75	15	18.299999	0.00183	0.0015
STCDH_039	75	76	43	41.5	4.15E-03	4.30E-03
STCDH_039	76	76.949997	112	83.199997	0.00832	0.0112
STCDH_039	76.949997	78	159	68.599998	6.86E-03	1.59E-02
STCDH_039	78	79	139	46.299999	4.63E-03	0.0139
STCDH_039	79	80	103	21.5	2.15E-03	0.0103
STCDH_039	80	81	84	22.200001	2.22E-03	8.40E-03
STCDH_039	81	82	105	25.799999	2.58E-03	0.0105
STCDH_039	82	87.099998	205	67.300003	6.73E-03	2.05E-02
STCDH_039	88.599998	92	519	80.900002	8.09E-03	5.19E-02
STCDH_039	92	93	245	31.799999	0.00318	2.45E-02
STCDH_039	93	94	175	38.5	0.00385	0.0175
STCDH_039	94	95	91	17.200001	1.72E-03	9.10E-03
STCDH_039	95	96	122	41.099998	4.11E-03	0.0122
STCDH_039	96	99	239	24.1	0.00241	0.0239
STCDH_039	99	100.1	180	42.200001	0.00422	1.80E-02
STCDH_039	100.1	101	178	60.400002	6.04E-03	0.0178
STCDH_039	101	102	103	29.1	0.00291	0.0103
STCDH_039	102	103	70	15.2	1.52E-03	7.00E-03
STCDH_039	103	104	65	10.6	0.00106	6.50E-03
STCDH_039	104	105	62	11.5	0.00115	6.20E-03
STCDH_039	105	106	68	15.3	0.00153	6.80E-03
STCDH_039	106	107	67	9.6000004	9.60E-04	6.70E-03
STCDH_039	107	107.75	76	17.4	0.00174	7.60E-03
STCDH_039	107.75	109	40	74.400002	7.44E-03	4.00E-03
STCDH_039	109	110	37	35.299999	3.53E-03	0.0037
STCDH_039	110	111	27	19.4	0.00194	2.70E-03
STCDH_039	111	111.6	33	21.4	0.00214	0.0033
STCDH_039	111.6	112	103	32.299999	3.23E-03	0.0103
STCDH_039	112	113	99	35.299999	3.53E-03	9.90E-03
STCDH_039	113	114	94	25	2.50E-03	9.40E-03
STCDH_039	114	115	86	23.9	0.00239	8.60E-03
STCDH_039	115	116	74	29	0.0029	0.0074
STCDH_039	116	117	112	85.800003	8.58E-03	0.0112
STCDH_039	117	118	29	25.6	2.56E-03	0.0029
STCDH_039	118	119	24	39.400002	3.94E-03	2.40E-03
STCDH_039	119	120	47	146	0.0146	4.70E-03
STCDH_039	120	121	18	19	0.0019	0.0018
STCDH_039	121	122	43	53.5	5.35E-03	4.30E-03
STCDH_039	122	123	47	57.200001	5.72E-03	4.70E-03
STCDH_039	123	124	80	192	1.92E-02	8.00E-03
STCDH_039	124	125	45	50.599998	5.06E-03	4.50E-03
STCDH_039	125	126	38	21.4	0.00214	3.80E-03
STCDH_039	126	127	30	13.1	1.31E-03	0.003
STCDH_039	127	128	25	81.599998	8.16E-03	2.50E-03
STCDH_039	128	129	20	44	0.0044	2.00E-03
STCDH_039	129	130	24	143	0.0143	2.40E-03
STCDH_039	130	131	29	108	0.0108	0.0029
STCDH_039	131	132	43	64.699997	6.47E-03	4.30E-03
STCDH_039	132	133	46	48	4.80E-03	4.60E-03
STCDH_039	133	134	40	149	0.0149	4.00E-03
STCDH_039	134	135	54	108	0.0108	5.40E-03
STCDH_039	135	136	20	93.400002	9.34E-03	2.00E-03
STCDH_039	136	137	9	168	1.68E-02	9.00E-04
STCDH_039	137	138	15	129	0.0129	0.0015
STCDH_039	138	139	18	292	2.92E-02	0.0018

STCDH_039	139	140	70	328	0.0328	7.00E-03
STCDH_039	140	141.25	59	334	3.34E-02	5.90E-03
STCDH_039	141.25	142	56	360	3.60E-02	5.60E-03
STCDH_039	142	143	91	323	3.23E-02	9.10E-03
STCDH_039	143	144	61	117	0.0117	6.10E-03
STCDH_039	144	145	79	92.400002	9.24E-03	7.90E-03
STCDH_039	145	146	81	95.900002	9.59E-03	8.10E-03
STCDH_039	146	147	91	55.900002	5.59E-03	9.10E-03
STCDH_039	147	148	197	253	0.0253	0.0197
STCDH_039	148	149	9	232	0.0232	9.00E-04
STCDH_039	149	150	34	369	3.69E-02	0.0034
STCDH_039	150	151	19	514	5.14E-02	0.0019
STCDH_039	151	152	7	987	9.87E-02	7.00E-04
STCDH_039	152	153	21	594	0.0594	2.10E-03
STCDH_039	153	154	11	441	4.41E-02	0.0011
STCDH_039	154	155	21	2170	0.21699999	2.10E-03
STCDH_039	155	156	13	2180	0.21799999	0.0013
STCDH_039	156	157	80	3780	0.37799999	8.00E-03
STCDH_039	157	158	273	653	6.53E-02	0.0273
STCDH_039	158	159	84	1970	0.197	8.40E-03
STCDH_039	159	160	67	898	0.0898	6.70E-03
STCDH_039	160	161	86	4210	0.421	8.60E-03
STCDH_039	161	162	77	3390	0.33899999	0.0077
STCDH_039	162	163	160	3820	0.382	1.60E-02
STCDH_039	163	164	54	4690	0.46900001	5.40E-03
STCDH_039	164	165	76	4710	0.47099999	7.60E-03
STCDH_039	165	165.7	99	4610	0.461	9.90E-03
STCDH_039	165.7	166	230	5620	0.56199998	0.023
STCDH_039	166	167	224	5740	0.574	2.24E-02
STCDH_039	167	168	196	4910	0.491	0.0196
STCDH_039	168	169	82	2810	0.28099999	0.0082
STCDH_039	169	170	61	3050	0.30500001	6.10E-03
STCDH_039	170	171	55	2790	0.27900001	0.0055
STCDH_039	171	172	29	2210	0.221	0.0029
STCDH_039	172	173	137	9220	0.92199999	0.0137
STCDH_039	173	174	25	4560	0.456	2.50E-03
STCDH_039	174	175	32	8370	0.83700001	3.20E-03
STCDH_039	175	176	37	4970	0.49700001	0.0037
STCDH_039	176	177	46	15400	1.54	4.60E-03
STCDH_039	177	178	30	10900	1.09	0.003
STCDH_039	178	179.17999	26	4200	0.41999999	0.0026
STCDH_039	179.17999	180	76	19800	1.98	7.60E-03
STCDH_039	180	181	36	11800	1.1799999	3.60E-03
STCDH_039	181	181.58	206	13300	1.33	0.0206
STCDH_039	181.58	182	37	7160	0.71600002	0.0037
STCDH_039	182	183	32	9240	0.92400002	3.20E-03
STCDH_039	183	184	36	8380	0.838	3.60E-03
STCDH_039	184	185	38	7650	0.76499999	3.80E-03
STCDH_039	185	186	35	5920	0.59200001	3.50E-03
STCDH_039	186	187	31	11200	1.12	3.10E-03
STCDH_039	187	188	83	23600	2.3599999	8.30E-03
STCDH_039	188	189	111	24300	2.4300001	0.0111
STCDH_039	189	190	28	11400	1.14	2.80E-03
STCDH_039	190	191	37	8660	0.866	0.0037
STCDH_039	191	192	46	7450	0.745	4.60E-03
STCDH_039	192	193	472	95200	9.5200005	4.72E-02
STCDH_039	193	194	89	15200	1.52	8.90E-03
STCDH_039	194	195	44	5560	0.55599999	0.0044
STCDH_039	195	196	41	9190	0.91900003	0.0041
STCDH_039	196	197	30	7460	0.74599999	0.003
STCDH_039	197	198	52	24700	2.47	0.0052
STCDH_039	198	199	56	18300	1.83	5.60E-03
STCDH_039	199	200	85	14000	1.4	8.50E-03

STCDH_039	200	201	150	25500	2.55	0.015
STCDH_039	201	202	163	45600	4.5599999	0.0163
STCDH_039	202	203	61	14600	1.46	6.10E-03
STCDH_039	203	204	77	13400	1.34	0.0077
STCDH_039	204	205	42	9860	0.986	4.20E-03
STCDH_039	205	206	85	21100	2.1099999	8.50E-03
STCDH_039	206	207	90	13400	1.34	9.00E-03
STCDH_039	207	207.7	43	6270	0.62699997	4.30E-03
STCDH_039	207.7	208	26	9590	0.95899999	0.0026
STCDH_039	208	209	33	4940	0.49399999	0.0033
STCDH_039	209	210	32	8700	0.87	3.20E-03
STCDH_039	210	211	35	8160	0.81599998	3.50E-03
STCDH_039	211	212	35	10800	1.08	3.50E-03
STCDH_039	212	213	36	13700	1.37	3.60E-03
STCDH_039	213	214	46	10100	1.01	4.60E-03
STCDH_039	214	215	38	8910	0.89099997	3.80E-03
STCDH_039	215	216	44	9130	0.91299999	0.0044
STCDH_039	216	217	165	10500	1.05	0.0165
STCDH_039	217	218	38	11000	1.1	3.80E-03
STCDH_039	218	219	60	12000	1.2	6.00E-03
STCDH_039	219	220.10001	153	13500	1.35	0.0153
STCDH_039	220.10001	221	96	5220	0.52200001	9.60E-03
STCDH_039	221	222	56	4170	0.417	5.60E-03
STCDH_039	222	223	109	10600	1.0599999	0.0109
STCDH_039	223	223.89999	77	11500	1.15	0.0077
STCDH_039	223.89999	225	180	31600	3.1600001	1.80E-02
STCDH_039	225	226	155	14500	1.45	0.0155
STCDH_039	226	227	407	41300	4.1300001	0.0407
STCDH_039	227	227.39999	221	44800	4.48	0.0221
STCDH_039	227.39999	228	69	9970	0.99699998	6.90E-03
STCDH_039	228	229	37	4310	0.43099999	0.0037
STCDH_039	229	230	36	4690	0.46900001	3.60E-03
STCDH_039	230	231	49	2450	0.245	4.90E-03
STCDH_039	231	232	212	3530	0.35299999	2.12E-02
STCDH_039	232	233	84	6770	0.67699999	8.40E-03
STCDH_039	233	234	80	5810	0.58099997	8.00E-03
STCDH_039	234	235	67	4900	0.49000001	6.70E-03
STCDH_039	235	236	105	3820	0.382	0.0105
STCDH_039	236	237	64	3300	0.33000001	6.40E-03
STCDH_039	237	238	144	13100	1.3099999	0.0144
STCDH_039	238	239	87	5890	0.58899999	8.70E-03
STCDH_039	239	240	55	4330	0.433	0.0055
STCDH_039	240	241	214	11000	1.1	2.14E-02
STCDH_039	241	242	661	18000	1.8	6.61E-02
STCDH_039	242	243	126	13800	1.38	0.0126
STCDH_039	243	244	46	7060	0.70599997	4.60E-03
STCDH_039	244	245	51	7710	0.77100003	5.10E-03
STCDH_039	245	246	74	7990	0.79900002	0.0074
STCDH_039	246	247	84	9090	0.90899998	8.40E-03
STCDH_039	247	248	234	26800	2.6800001	2.34E-02
STCDH_039	248	249	94	50300	5.0300002	9.40E-03
STCDH_039	249	250	67	34800	3.48	6.70E-03
STCDH_039	250	251	78	37600	3.76	7.80E-03
STCDH_039	251	251.85001	155	53300	5.3299999	0.0155
STCDH_039	251.85001	253	77	9970	0.99699998	0.0077
STCDH_039	253	254	6140	20100	2.01	0.61400002
STCDH_039	254	255	2200	20300	2.03	0.22
STCDH_039	255	256	3470	18900	1.89	0.347
STCDH_039	256	257	77	27600	2.76	0.0077
STCDH_039	257	258	41	20300	2.03	0.0041
STCDH_039	258	259	49	16500	1.65	4.90E-03
STCDH_039	259	260	54	48900	4.8899999	5.40E-03
STCDH_039	260	261	78	57900	5.79	7.80E-03

STCDH_039	261	262	65	23100	2.3099999	6.50E-03
STCDH_039	262	263	60	20500	2.05	6.00E-03
STCDH_039	263	264	35	18200	1.8200001	3.50E-03
STCDH_039	264	265	73	24600	2.46	7.30E-03
STCDH_039	265	266.14999	275	40500	4.0500002	0.0275
STCDH_039	266.14999	267	69	25000	2.5	6.90E-03
STCDH_039	267	268	13900	42000	4.1999998	1.39
STCDH_039	268	269	72	24500	2.45	7.20E-03
STCDH_039	269	270	1020	26500	2.6500001	0.102
STCDH_039	270	271	46	14000	1.4	4.60E-03
STCDH_039	271	272	126	22300	2.23	0.0126
STCDH_039	272	273	75	19900	1.99	7.50E-03
STCDH_039	273	274	82	14200	1.42	0.0082
STCDH_039	274	275	40	13200	1.3200001	4.00E-03
STCDH_039	275	276	221	3290	0.329	0.0221
STCDH_039	276	277	36	3170	0.317	3.60E-03
STCDH_039	277	278	224	12000	1.2	2.24E-02
STCDH_039	278	279	1120	7780	0.778	0.112
STCDH_039	279	280	6820	24100	2.4100001	0.68199998
STCDH_039	280	281	83	13500	1.35	8.30E-03
STCDH_039	281	282	720	45000	4.5	7.20E-02
STCDH_039	282	283	61	111000	11.1	6.10E-03
STCDH_039	283	284	65	60500	6.0500002	6.50E-03
STCDH_039	284	285	112	47100	4.71	0.0112
STCDH_039	285	286	124	27100	2.71	0.0124
STCDH_039	286	287.10001	175	40900	4.0900002	0.0175
STCDH_039	287.10001	288	765	42000	4.1999998	7.65E-02
STCDH_039	288	289	124	18700	1.87	0.0124
STCDH_039	289	291	828	64800	6.48	8.28E-02
STCDH_039	291	292	29	26800	2.6800001	0.0029
STCDH_039	292	293	12	16700	1.67	1.20E-03
STCDH_039	293	293.60001	1470	15300	1.53	0.147
STCDH_039	293.60001	294	353	19200	1.92	3.53E-02
STCDH_039	294	295	139	39300	3.9300001	0.0139
STCDH_039	295	296	613	35800	3.5799999	6.13E-02
STCDH_039	296	296.60001	706	45400	4.54	7.06E-02
STCDH_039	296.60001	297	1620	44100	4.4099998	0.162
STCDH_039	297	298.29999	271	36800	3.6800001	2.71E-02
STCDH_039	298.29999	299	132	13700	1.37	0.0132
STCDH_039	299	300	189	20000	2	0.0189
STCDH_039	300	301.10001	123	30800	3.0799999	0.0123
STCDH_039	301.10001	302	107	10700	1.0700001	0.0107
STCDH_039	302	303	74	27200	2.72	0.0074
STCDH_039	303	304	5530	35600	3.5599999	0.55299997
STCDH_039	304	305	6100	25900	2.5899999	0.61000001
STCDH_039	305	306	1040	6640	0.66399997	0.104
STCDH_039	306	306.5	5140	6880	0.68800002	0.514
STCDH_039	306.5	307	290	485	4.85E-02	2.90E-02
STCDH_039	307	308.5	160	110	0.011	1.60E-02
STCDH_039	308.5	310	83	81.900002	8.19E-03	8.30E-03
STCDH_039	310	311.5	48	92.599998	9.26E-03	4.80E-03
STCDH_039	311.5	313	41	47.200001	4.72E-03	0.0041
STCDH_039	313	314.5	33	28.299999	2.83E-03	0.0033
STCDH_039	314.5	316	43	74.199997	7.42E-03	4.30E-03
STCDH_039	316	317.5	48	63.799999	6.38E-03	4.80E-03
STCDH_039	317.5	319.10001	30	47.099998	0.00471	0.003
STCDH_038	0	1	1180	1470	0.147	0.118
STCDH_038	1	2	963	871	8.71E-02	9.63E-02
STCDH_038	2	3	4530	2400	0.23999999	0.45300001
STCDH_038	3	4	6180	3140	0.31400001	0.61799997
STCDH_038	4	5	2750	3220	0.322	0.27500001
STCDH_038	5	6	980	2100	0.20999999	9.80E-02
STCDH_038	6	7	1570	3610	0.361	0.15700001

STCDH_038	7	8	1610	2640	0.264	0.161
STCDH_038	8	10	540	963	9.63E-02	5.40E-02
STCDH_038	10	11	461	1790	0.17900001	4.61E-02
STCDH_038	11	12	495	2560	0.25600001	0.0495
STCDH_038	12	13	618	2150	0.215	6.18E-02
STCDH_038	13	14	1070	8170	0.81699997	0.107
STCDH_038	14	15	1320	6700	0.67000002	0.132
STCDH_038	15	16	1840	12900	1.29	0.184
STCDH_038	16	19	611	2010	0.20100001	6.11E-02
STCDH_038	20.5	22	893	2650	0.26499999	8.93E-02
STCDH_038	22	23.5	5050	4850	0.48500001	0.505
STCDH_038	23.5	26	1700	3190	0.31900001	0.17
STCDH_038	26	27	2060	4650	0.465	0.206
STCDH_038	27	28	236	2010	0.20100001	2.36E-02
STCDH_038	28	29	224	1710	0.171	2.24E-02
STCDH_038	29	30	190	1670	0.167	1.90E-02
STCDH_038	30	31	266	1620	0.162	0.0266
STCDH_038	31	32	156	1620	0.162	0.0156
STCDH_038	32	33	220	1970	0.197	0.022
STCDH_038	33	34	157	2630	0.26300001	1.57E-02
STCDH_038	34	35	776	3800	0.38	7.76E-02
STCDH_038	35	36	584	3470	0.347	5.84E-02
STCDH_038	36	37	597	4260	0.426	5.97E-02
STCDH_038	37	38	417	14300	1.4299999	4.17E-02
STCDH_038	38	39	366	9380	0.93800002	3.66E-02
STCDH_038	39	40	383	19000	1.9	0.0383
STCDH_038	40	41	258	5630	0.56300002	2.58E-02
STCDH_038	41	42	277	17800	1.78	0.0277
STCDH_038	42	43	280	38700	3.8699999	2.80E-02
STCDH_038	43	44.599998	377	36200	3.6199999	3.77E-02
STCDH_038	44.599998	46	2750	22500	2.25	0.27500001
STCDH_038	46	48	2260	58400	5.8400002	0.226
STCDH_038	48	49.5	941	44900	4.4899998	9.41E-02
STCDH_038	49.5	51	1520	22800	2.28	0.152
STCDH_038	51	52	4450	43100	4.3099999	0.44499999
STCDH_038	52	53	6100	53500	5.3499999	0.61000001
STCDH_038	53	54	5740	52800	5.2800002	0.574
STCDH_038	54	55	3550	138000	13.8	0.35499999
STCDH_038	55	56	2830	91100	9.1099997	0.28299999
STCDH_038	56	57	4830	181000	18.1	0.48300001
STCDH_038	57	59	917	105000	10.5	9.17E-02
STCDH_038	59	60	3790	136000	13.6	0.37900001
STCDH_038	60	61.5	2850	168000	16.799999	0.285
STCDH_038	61.5	63	2520	92400	9.2399998	0.252
STCDH_038	63	64	1890	126000	12.6	0.189
STCDH_038	64	64.5	1670	26300	2.6300001	0.167
STCDH_038	64.5	66	3020	19500	1.95	0.30199999
STCDH_038	66	67	2820	21900	2.1900001	0.28200001
STCDH_038	67	69	4820	110000	11	0.48199999
STCDH_038	72	73	5660	74400	7.4400001	0.56599998
STCDH_038	73	73.5	7040	85000	8.5	0.704
STCDH_038	75	76	3050	39300	3.9300001	0.30500001
STCDH_038	76	77	1540	37400	3.74	0.154
STCDH_038	77	78	1570	50800	5.0799999	0.15700001
STCDH_038	78	79	2370	24100	2.4100001	0.237
STCDH_038	79	81	1210	23700	2.3699999	0.121
STCDH_038	81	82.5	3660	273000	27.299999	0.366
STCDH_038	82.5	84	10100	142000	14.2	1.01
STCDH_038	84	85.5	5630	32100	3.21	0.56300002
STCDH_038	85.5	87	5060	34800	3.48	0.50599998
STCDH_038	87	88.5	7120	50400	5.04	0.71200001
STCDH_038	90	92	9820	170000	17	0.98199999
STCDH_038	92	93.5	2320	37100	3.71	0.23199999

STCDH_038	93.5	94.199997	3640	20700	2.0699999	0.36399999
STCDH_038	94.199997	95	1040	1450	0.145	0.104
STCDH_038	95	96.5	2990	11100	1.11	0.29899999
STCDH_038	96.5	97.5	4460	48600	4.8600001	0.44600001
STCDH_038	97.5	98	2670	184000	18.4	0.26699999
STCDH_038	98	99	919	180000	18	9.19E-02
STCDH_038	99	100	6380	248000	24.799999	0.63800001
STCDH_038	100	101	5280	241000	24.1	0.528
STCDH_038	101	102	2680	185000	18.5	0.26800001
STCDH_038	102	105.5	1830	85400	8.54	0.183
STCDH_038	105.5	106.5	1200	46600	4.6599998	0.12
STCDH_038	106.5	107	1620	36900	3.6900001	0.162
STCDH_038	107	108	1430	58700	5.8699999	0.14300001
STCDH_038	108	109.5	792	79300	7.9299998	0.0792
STCDH_038	109.5	111	3310	89100	8.9099998	0.331
STCDH_038	111	112				
STCDH_038	112	113				
STCDH_038	113	114				
STCDH_038	114	115				
STCDH_038	115	116				
STCDH_038	116	117				
STCDH_038	117	118				
STCDH_038	118	119				
STCDH_038	119	120				
STCDH_038	120	121.5				
STCDH_038	123	124.5				
STCDH_038	124.5	126				
STCDH_038	129	130.5				
STCDH_038	132	133.5				
STCDH_038	135	136				
STCDH_038	136	137				
STCDH_038	137	138				
STCDH_038	138	139				
STCDH_038	139	140				
STCDH_038	140	141				
STCDH_038	141	142				
STCDH_038	142	143				
STCDH_038	143	144				
STCDH_038	144	145				
STCDH_038	145	146				
STCDH_038	146	147				
STCDH_038	147	148.5				
STCDH_038	148.5	150.5				
STCDH_038	150.5	151.5				
STCDH_038	151.5	152				
STCDH_038	152	152.89999				
STCDH_038	152.89999	154				
STCDH_038	154	155.2				
STCDH_038	155.2	156				
STCDH_038	156	157				
STCDH_038	157	157.5				
STCDH_038	157.5	158				
STCDH_038	158	159.10001				
STCDH_038	159.10001	159.8				
STCDH_038	159.8	161				
STCDH_038	161	162				
STCDH_038	162	163				
STCDH_038	163	164				
STCDH_038	164	165				
STCDH_038	165	166	1300	4750	0.47499999	0.13
STCDH_038	166	167	263	8240	0.824	0.0263
STCDH_038	167	168	137	1670	0.167	0.0137
STCDH_038	168	169.3	1910	12300	1.23	0.191

STCDH_038	169.3	170	804	27400	2.74	8.04E-02
STCDH_038	170	170.7	6390	3570	0.35699999	0.639
STCDH_038	170.7	171.5	906	6680	0.66799998	9.06E-02
STCDH_038	171.5	172	978	11400	1.14	9.78E-02
STCDH_038	172	173	360	4800	0.47999999	3.60E-02
STCDH_038	173	174	161	5950	0.59500003	1.61E-02
STCDH_038	174	175.5	88	3500	0.34999999	0.0088
STCDH_038	175.5	176	147	6980	0.69800001	0.0147
STCDH_038	176	177	109	5970	0.597	0.0109
STCDH_038	177	178	165	8240	0.824	0.0165
STCDH_038	178	179	314	10800	1.08	3.14E-02
STCDH_038	179	180	963	10900	1.09	9.63E-02
STCDH_038	180	181.5	655	5350	0.53500003	6.55E-02
STCDH_038	181.5	183	2420	12900	1.29	0.242
STCDH_038	183	184	1340	6930	0.69300002	0.134
STCDH_038	184	185	1790	9380	0.93800002	0.17900001
STCDH_038	185	186	613	8660	0.866	6.13E-02
STCDH_038	186	186.89999	457	20100	2.01	4.57E-02
STCDH_038	186.89999	188	63	38400	3.8399999	0.0063
STCDH_038	188	189	125	45600	4.5599999	0.0125
STCDH_038	189	189.5	58	39000	3.9000001	5.80E-03
STCDH_038	189.5	191	62	39400	3.9400001	6.20E-03
STCDH_038	191	193	368	9040	0.90399998	3.68E-02
STCDH_038	193	194	1570	14100	1.41	0.15700001
STCDH_038	194	195	2890	14500	1.45	0.289
STCDH_038	195	196	3380	17400	1.74	0.338
STCDH_038	196	197	2620	13300	1.33	0.26199999
STCDH_038	197	198	4130	25100	2.51	0.41299999
STCDH_038	198	199	3110	21600	2.1600001	0.31099999
STCDH_038	199	200	565	16400	1.64	5.65E-02
STCDH_038	200	201	187	28000	2.8	0.0187
STCDH_038	201	202.5	1190	28200	2.8199999	0.119
STCDH_038	202.5	203	2070	40200	4.02	0.207
STCDH_038	203	204	3070	72900	7.29	0.30700001
STCDH_038	204	205	424	33100	3.3099999	4.24E-02
STCDH_038	205	206	502	17400	1.74	0.0502
STCDH_038	206	207	783	18200	1.8200001	7.83E-02
STCDH_038	207	208	1230	24100	2.4100001	0.123
STCDH_038	208	209	767	23400	2.3399999	7.67E-02
STCDH_038	209	210	965	25200	2.52	9.65E-02
STCDH_038	210	211	153	18300	1.83	0.0153
STCDH_038	211	211.5	1280	29200	2.9200001	0.12800001
STCDH_038	211.5	212.5	108	17700	1.77	0.0108
STCDH_038	212.5	214	2480	15700	1.5700001	0.248
STCDH_038	214	216	55	24800	2.48	0.0055
STCDH_038	216	217	692	35300	3.53	6.92E-02
STCDH_038	217	218	1110	10600	1.0599999	0.111
STCDH_038	218	219	161	11000	1.1	1.61E-02
STCDH_038	219	220	806	24500	2.45	8.06E-02
STCDH_038	220	221	834	16000	1.6	8.34E-02
STCDH_038	221	222	591	13300	1.33	5.91E-02
STCDH_038	222	223	1270	11400	1.14	0.127
STCDH_038	223	224	182	4250	0.42500001	1.82E-02
STCDH_038	224	225	76	1680	0.168	7.60E-03
STCDH_038	225	226	63	2610	0.26100001	0.0063
STCDH_038	226	227	57	2410	0.241	5.70E-03
STCDH_038	227	228	135	3510	0.35100001	0.0135
STCDH_038	228	229	82	5000	0.5	0.0082
STCDH_038	229	230	114	2110	0.211	0.0114
STCDH_038	230	231	737	9050	0.90499997	7.37E-02
STCDH_038	231	232	540	11200	1.12	5.40E-02
STCDH_038	232	232.8	722	2420	0.242	0.0722
STCDH_038	232.8	234	38	11700	1.17	3.80E-03

STCDH_038	234	235.5	591	20400	2.04	5.91E-02
STCDH_038	235.5	237	6000	20400	2.04	0.60000002
STCDH_038	237	238	153	12100	1.21	0.0153
STCDH_038	238	239	3150	24400	2.4400001	0.315
STCDH_038	239	240	106	21000	2.0999999	0.0106
STCDH_038	240	241	1610	23800	2.3800001	0.161
STCDH_038	241	242	64	28900	2.8900001	6.40E-03
STCDH_038	242	242.60001	96	29800	2.98	9.60E-03
STCDH_041	0	1.5	689	1350	0.13500001	6.89E-02
STCDH_041	1.5	3.5999999	415	1290	0.12899999	4.15E-02
STCDH_041	3.5999999	5	1070	2240	0.22400001	0.107
STCDH_041	5	6	444	991	9.91E-02	4.44E-02
STCDH_041	6	7.27	882	1410	0.141	8.82E-02
STCDH_041	7.27	8.5	775	2260	0.226	7.75E-02
STCDH_041	8.5	10	683	2200	0.22	6.83E-02
STCDH_041	10	11.5	366	1410	0.141	3.66E-02
STCDH_041	11.5	12.62	-9999	-9999	-0.99989998	-0.99989998
STCDH_041	12.62	14	3120	4530	0.45300001	0.31200001
STCDH_041	14	15.5	5660	7360	0.736	0.56599998
STCDH_041	15.5	17	7600	9550	0.95499998	0.75999999
STCDH_041	17	18.5	2930	4840	0.484	0.29300001
STCDH_041	18.5	20	2830	5210	0.52100003	0.28299999
STCDH_041	20	21.5	138	2410	0.241	0.0138
STCDH_041	21.5	23	459	2460	0.24600001	4.59E-02
STCDH_041	23	24	2820	4440	0.44400001	0.28200001
STCDH_041	24	24.799999	6070	9170	0.917	0.60699999
STCDH_041	24.799999	26	800	3540	0.354	8.00E-02
STCDH_041	26	27.5	206	1400	0.14	0.0206
STCDH_041	27.5	29	261	1540	0.154	0.0261
STCDH_041	29	30.5	270	1510	0.15099999	2.70E-02
STCDH_041	30.5	32	200	1510	0.15099999	0.02
STCDH_041	32	33.5	221	1470	0.147	0.0221
STCDH_041	33.5	35	227	1420	0.142	2.27E-02
STCDH_041	35	36.5	253	1400	0.14	0.0253
STCDH_041	36.5	38	228	1550	0.155	0.0228
STCDH_041	38	39.5	242	1770	0.177	0.0242
STCDH_041	39.5	41	201	1460	0.146	2.01E-02
STCDH_041	41	42.5	155	1280	0.12800001	0.0155
STCDH_041	42.5	44	186	1120	0.112	0.0186
STCDH_041	44	45.5	267	1450	0.145	2.67E-02
STCDH_041	45.5	47	381	2420	0.242	0.0381
STCDH_041	47	48.5	494	1720	0.17200001	4.94E-02
STCDH_041	48.5	50	1010	2760	0.27599999	0.101
STCDH_041	50	51.599998	2990	4640	0.46399999	0.29899999
STCDH_041	51.599998	53	4760	6220	0.62199998	0.47600001
STCDH_041	53	54	4930	6460	0.64600003	0.493
STCDH_041	54	55.599998	1360	2670	0.26699999	0.13600001
STCDH_041	55.599998	57	730	967	9.67E-02	7.30E-02
STCDH_041	57	58	537	442	4.42E-02	0.0537
STCDH_041	58	59	442	242	0.0242	4.42E-02
STCDH_041	59	60	774	250	0.025	7.74E-02
STCDH_041	60.599998	62	379	54.400002	0.00544	3.79E-02
STCDH_041	62	63	524	62.200001	6.22E-03	0.0524
STCDH_041	63	64	260	47.099998	0.00471	2.60E-02
STCDH_041	64	65.099998	253	47.700001	0.00477	0.0253
STCDH_041	65.099998	66	266	350	0.035	0.0266
STCDH_041	66	67	238	42.5	4.25E-03	2.38E-02
STCDH_041	67	68	139	47.400002	4.74E-03	0.0139
STCDH_041	68	69	141	31.5	0.00315	0.0141
STCDH_041	69	70	101	19.799999	1.98E-03	0.0101
STCDH_041	70	71	83	24.299999	2.43E-03	8.30E-03
STCDH_041	71	72	92	12.3	1.23E-03	9.20E-03
STCDH_041	72	73	74	295	0.0295	0.0074

STCDH_041	73	74	64	14.5	0.00145	6.40E-03
STCDH_041	74	75	107	13.6	0.00136	0.0107
STCDH_041	75	76	92	394	0.0394	9.20E-03
STCDH_041	76	77	116	14100	1.41	0.0116
STCDH_041	77	78	-9999	-9999	-0.99989998	-0.99989998
STCDH_041	78	79	163	46.599998	4.66E-03	0.0163
STCDH_041	79	80.5	211	67.300003	6.73E-03	0.0211
STCDH_041	80.5	81.599998	6060	130000	13	0.60600001
STCDH_041	81.599998	82	10	15.1	1.51E-03	0.001
STCDH_041	82	83	33	382	3.82E-02	0.0033
STCDH_041	83	84	37	614	0.0614	0.0037
STCDH_041	84	85	33	35.400002	3.54E-03	0.0033
STCDH_041	85	86	52	497	4.97E-02	0.0052
STCDH_041	86	87	25	37.900002	3.79E-03	2.50E-03
STCDH_041	87	88.230003	31	29.700001	0.00297	3.10E-03
STCDH_041	88.230003	89	161	125	0.0125	1.61E-02
STCDH_041	89	90	115	49.299999	4.93E-03	0.0115
STCDH_041	90	91	97	417	4.17E-02	9.70E-03
STCDH_041	91	92	82	25.5	2.55E-03	0.0082
STCDH_041	92	93	78	25.5	2.55E-03	7.80E-03
STCDH_041	93	94	75	24.299999	2.43E-03	7.50E-03
STCDH_041	94	95	96	97.800003	0.00978	9.60E-03
STCDH_041	95	96	97	771	7.71E-02	9.70E-03
STCDH_041	96	96.559998	122	246	2.46E-02	0.0122
STCDH_041	96.559998	97	33	24.1	0.00241	0.0033
STCDH_041	97	98	-1	3.3	3.30E-04	-1.00E-04
STCDH_041	98	99	49	206	0.0206	4.90E-03
STCDH_041	99	100	47	116	0.0116	4.70E-03
STCDH_041	100	101	34	46.299999	4.63E-03	0.0034
STCDH_041	101	102	27	31.9	3.19E-03	2.70E-03
STCDH_041	102	103	23	31.700001	3.17E-03	2.30E-03
STCDH_041	103	104	35	58.700001	0.00587	3.50E-03
STCDH_041	104	105	47	54.299999	5.43E-03	4.70E-03
STCDH_041	105	106	26	31.9	3.19E-03	0.0026
STCDH_041	106	107	106	133	0.0133	0.0106
STCDH_041	107	108	30	28.6	2.86E-03	0.003
STCDH_041	108	109	56	76.099998	7.61E-03	5.60E-03
STCDH_041	109	110	74	162	0.0162	0.0074
STCDH_041	110	111	32	96.400002	9.64E-03	3.20E-03
STCDH_041	111	112	27	75.5	7.55E-03	2.70E-03
STCDH_041	112	113	43	81.800003	8.18E-03	4.30E-03
STCDH_041	113	114	67	429	0.0429	6.70E-03
STCDH_041	114	115	58	96.900002	9.69E-03	5.80E-03
STCDH_041	115	116	86	243	0.0243	8.60E-03
STCDH_041	116	117	54	163	0.0163	5.40E-03
STCDH_041	117	118	38	97.099998	9.71E-03	3.80E-03
STCDH_041	118	119	19	200	0.02	0.0019
STCDH_041	119	120	18	89.5	8.95E-03	0.0018
STCDH_041	120	121	56	127	0.0127	5.60E-03
STCDH_041	121	122	55	117	0.0117	0.0055
STCDH_041	122	122.4	76	64.199997	6.42E-03	7.60E-03
STCDH_041	122.4	123	65	239	0.0239	6.50E-03
STCDH_041	123	124	79	77.099998	0.00771	7.90E-03
STCDH_041	124	125	75	103	0.0103	7.50E-03
STCDH_041	125	125.6	85	59.400002	5.94E-03	8.50E-03
STCDH_041	125.6	126	98	54.299999	5.43E-03	9.80E-03
STCDH_041	126	127	72	30.4	3.04E-03	7.20E-03
STCDH_041	127	128	83	275	0.0275	8.30E-03
STCDH_041	128	129	99	335	3.35E-02	9.90E-03
STCDH_041	129	130	7	383	0.0383	7.00E-04
STCDH_041	130	131	32	33.799999	3.38E-03	3.20E-03
STCDH_041	131	132	15	262	0.0262	0.0015
STCDH_041	132	133	9	104	0.0104	9.00E-04

STCDH_041	133	134	12	103	0.0103	1.20E-03
STCDH_041	134	135	9	75.300003	7.53E-03	9.00E-04
STCDH_041	135	136	10	113	0.0113	0.001
STCDH_041	136	137	16	385	0.0385	0.0016
STCDH_041	137	138	19	193	1.93E-02	0.0019
STCDH_041	138	139	64	604	6.04E-02	6.40E-03
STCDH_041	139	140	94	410	4.10E-02	9.40E-03
STCDH_041	140	141	97	530	5.30E-02	9.70E-03
STCDH_041	141	142	98	311	3.11E-02	9.80E-03
STCDH_041	142	143	108	777	7.77E-02	0.0108
STCDH_041	143	144	121	296	0.0296	0.0121
STCDH_041	144	145	68	127	0.0127	6.80E-03
STCDH_041	145	145.7	128	201	2.01E-02	0.0128
STCDH_041	145.7	146	125	118	0.0118	0.0125
STCDH_041	146	147	76	91.400002	9.14E-03	7.60E-03
STCDH_041	147	148	60	70	7.00E-03	6.00E-03
STCDH_041	148	149	67	162	0.0162	6.70E-03
STCDH_041	149	150	64	343	3.43E-02	6.40E-03
STCDH_041	150	151.25	243	763	7.63E-02	0.0243
STCDH_041	151.25	152	17	319	0.0319	0.0017
STCDH_041	152	153	15	388	3.88E-02	0.0015
STCDH_041	153	154	12	259	2.59E-02	1.20E-03
STCDH_041	154	155	12	301	3.01E-02	1.20E-03
STCDH_041	155	156	9	249	2.49E-02	9.00E-04
STCDH_041	156	156.39999	12	404	4.04E-02	1.20E-03
STCDH_041	156.39999	157	51	289	2.89E-02	5.10E-03
STCDH_041	157	158.13	297	1040	0.104	0.0297
STCDH_041	158.13	159	113	524	0.0524	0.0113
STCDH_041	159	160	51	499	4.99E-02	5.10E-03
STCDH_041	160	160.34	39	465	4.65E-02	3.90E-03
STCDH_041	160.34	161.25999	37	755	7.55E-02	0.0037
STCDH_041	161.25999	162.39999	103	2630	0.26300001	0.0103
STCDH_041	162.39999	163	40	1790	0.17900001	4.00E-03
STCDH_041	163	163.89999	77	10700	1.0700001	0.0077
STCDH_041	163.89999	165	74	11900	1.1900001	0.0074
STCDH_041	165	165.8	124	16400	1.64	0.0124
STCDH_041	165.8	166.5	55	522	5.22E-02	0.0055
STCDH_041	166.5	167.5	63	1330	0.133	0.0063
STCDH_041	167.5	168.45	59	2500	0.25	5.90E-03
STCDH_041	168.45	169.60001	85	8420	0.84200001	8.50E-03
STCDH_041	169.60001	170	45	2110	0.211	4.50E-03
STCDH_041	170	171.17999	533	5300	0.52999997	5.33E-02
STCDH_041	171.17999	172	213	9360	0.93599999	2.13E-02
STCDH_041	172	173	239	7150	0.71499997	0.0239
STCDH_041	173	174	152	5970	0.597	0.0152
STCDH_041	174	175	52	6200	0.62	0.0052
STCDH_041	175	176	48	8580	0.85799998	4.80E-03
STCDH_041	176	177.05	47	9330	0.93300003	4.70E-03
STCDH_041	177.05	178	53	9980	0.99800003	5.30E-03
STCDH_041	178	179	53	14300	1.4299999	5.30E-03
STCDH_041	179	180	46	24200	2.4200001	4.60E-03
STCDH_041	180	181	34	6080	0.60799998	0.0034
STCDH_041	181	182	36	6470	0.64700001	3.60E-03
STCDH_041	182	183	68	9170	0.917	6.80E-03
STCDH_041	183	184.02	28	7430	0.74299997	2.80E-03
STCDH_041	184.02	185	84	62600	6.2600002	8.40E-03
STCDH_041	185	185.88	49	27500	2.75	4.90E-03
STCDH_041	185.88	187	32	6730	0.67299998	3.20E-03
STCDH_041	187	188	37	9250	0.92500001	0.0037
STCDH_041	188	189	36	7090	0.70899999	3.60E-03
STCDH_041	189	190	48	11500	1.15	4.80E-03
STCDH_041	190	190.63	75	44500	4.4499998	7.50E-03
STCDH_041	190.63	191.5	64	41000	4.0999999	6.40E-03

STCDH_041	191.5	192.3	44	33600	3.3599999	0.0044
STCDH_041	192.3	193	39	14600	1.46	3.90E-03
STCDH_041	193	194	38	10000	1	3.80E-03
STCDH_041	194	195	38	12800	1.28	3.80E-03
STCDH_041	195	196	88	37900	3.79	0.0088
STCDH_041	196	197	82	15400	1.54	0.0082
STCDH_041	197	198	78	7230	0.72299999	7.80E-03
STCDH_041	198	199	72	13700	1.37	7.20E-03
STCDH_041	199	200	52	5150	0.51499999	0.0052
STCDH_041	200	201	53	20300	2.03	5.30E-03
STCDH_041	201	202	55	26100	2.6099999	0.0055
STCDH_041	202	203	70	20000	2	7.00E-03
STCDH_041	203	204	136	39000	3.9000001	0.0136
STCDH_041	204	205	175	29600	2.96	0.0175
STCDH_041	205	207	46	18600	1.86	4.60E-03
STCDH_041	207	209.3	72	21400	2.1400001	7.20E-03
STCDH_041	209.3	210	204	23600	2.3599999	2.04E-02
STCDH_041	210	211	33	12100	1.21	0.0033
STCDH_041	211	212	57	13600	1.36	5.70E-03
STCDH_041	212	213	46	15800	1.58	4.60E-03
STCDH_041	213	214	49	13900	1.39	4.90E-03
STCDH_041	214	215	52	12100	1.21	0.0052
STCDH_041	215	215.5	76	15100	1.51	7.60E-03
STCDH_041	215.5	216	141	13800	1.38	0.0141
STCDH_041	216	217	181	53700	5.3699999	1.81E-02
STCDH_041	217	217.39999	112	42000	4.1999998	0.0112
STCDH_041	217.39999	218	66	32700	3.27	0.0066
STCDH_041	218	219	32	9840	0.98400003	3.20E-03
STCDH_041	219	220	39	4180	0.41800001	3.90E-03
STCDH_041	220	221	147	15100	1.51	0.0147
STCDH_041	221	222	109	18000	1.8	0.0109
STCDH_041	222	223	702	12300	1.23	7.02E-02
STCDH_041	223	224	269	10400	1.04	2.69E-02
STCDH_041	224	225	236	13700	1.37	2.36E-02
STCDH_041	225	226	459	13900	1.39	4.59E-02
STCDH_041	226	227	730	9260	0.926	7.30E-02
STCDH_041	227	228	252	11200	1.12	0.0252
STCDH_041	228	229	622	7830	0.78299999	6.22E-02
STCDH_041	229	230	289	8570	0.85699999	2.89E-02
STCDH_041	230	231	1170	10900	1.09	0.117
STCDH_041	231	232	520	18100	1.8099999	5.20E-02
STCDH_041	232	232.39999	105	17800	1.78	0.0105
STCDH_041	232.39999	233	172	50600	5.0599999	1.72E-02
STCDH_041	233	234	85	52100	5.21	8.50E-03
STCDH_041	234	235	63	19700	1.97	0.0063
STCDH_041	235	236	131	38300	3.8299999	0.0131
STCDH_041	236	237	101	38000	3.8	0.0101
STCDH_041	237	238	159	20100	2.01	1.59E-02
STCDH_041	238	239	289	29700	2.97	2.89E-02
STCDH_041	239	240	98	42800	4.2800002	9.80E-03
STCDH_041	240	241	75	34000	3.4000001	7.50E-03
STCDH_041	241	242	82	34700	3.47	0.0082
STCDH_041	242	242.39999	252	42300	4.23	0.0252
STCDH_041	242.39999	243	1320	14600	1.46	0.132
STCDH_041	243	244	5640	14100	1.41	0.56400001
STCDH_041	244	245	111	9990	0.99900001	0.0111
STCDH_041	245	246	869	10200	1.02	8.69E-02
STCDH_041	246	247	406	10400	1.04	4.06E-02
STCDH_041	247	248	242	20900	2.0899999	0.0242
STCDH_041	248	249	309	21400	2.1400001	0.0309
STCDH_041	249	250	339	23900	2.3900001	0.0339
STCDH_041	250	251	777	30600	3.0599999	7.77E-02
STCDH_041	251	252	66	20000	2	0.0066

STCDH_041	252	253	147	16600	1.66	0.0147
STCDH_041	253	253.8	117	18500	1.85	0.0117
STCDH_041	253.8	254.5	122	39400	3.9400001	0.0122
STCDH_041	254.5	255	94	40000	4	9.40E-03
STCDH_041	255	256	1610	32100	3.21	0.161
STCDH_041	256	257	670	22800	2.28	6.70E-02
STCDH_041	257	258	1270	21500	2.1500001	0.127
STCDH_041	258	259	417	16500	1.65	4.17E-02
STCDH_041	259	260	81	22100	2.21	8.10E-03
STCDH_041	260	261	54	24600	2.46	5.40E-03
STCDH_041	261	262	52	22200	2.22	0.0052
STCDH_041	262	263	9940	41100	4.1100001	0.99400002
STCDH_041	263	264	1930	27000	2.7	0.193
STCDH_041	264	265				
STCDH_041	265	266				
STCDH_041	266	266.75				
STCDH_041	266.75	267.5				
STCDH_041	267.5	268				
STCDH_041	268	269				
STCDH_041	269	270				
STCDH_041	270	271				
STCDH_041	271	272				
STCDH_041	272	273				
STCDH_041	273	274				
STCDH_041	274	274.75				
STCDH_041	274.75	275.5				
STCDH_041	275.5	276				
STCDH_041	276	277				
STCDH_041	277	278				
STCDH_041	278	279				
STCDH_041	279	280				
STCDH_041	280	281				
STCDH_041	281	282				
STCDH_041	282	283				
STCDH_041	283	284				
STCDH_041	284	285				
STCDH_041	285	286				
STCDH_041	286	286.5				
STCDH_041	286.5	287				
STCDH_041	287	288				
STCDH_041	288	289				
STCDH_041	289	289.95001				
STCDH_041	289.95001	291				
STCDH_041	291	292				
STCDH_041	292	293				
STCDH_041	293	294				
STCDH_041	294	294.75				
STCDH_041	294.75	295.5				
STCDH_041	295.5	296				
STCDH_041	296	297				
STCDH_041	297	298.29999				
STCDH_041	298.29999	299				
STCDH_041	299	299.60001				
STCDH_041	299.60001	300				
STCDH_041	300	301				
STCDH_041	301	302				
STCDH_041	302	303	155			0.0155
STCDH_041	303	304	140			0.014
STCDH_041	304	305	96			9.60E-03
STCDH_041	305	306	78			7.80E-03
STCDH_041	306	307	64			6.40E-03
STCDH_041	307	308	71			0.0071
STCDH_041	308	309	62			6.20E-03

STCDH_041	309	309.82001	52			0.0052
STCDH_041	309.82001	311	37			0.0037
STCDH_041	311	312	39			3.90E-03
STCDH_041	312	313	37			0.0037
STCDH_041	313	314	41			0.0041
STCDH_041	314	315	43			4.30E-03
STCDH_041	315	316	36			3.60E-03
STCDH_041	316	317	38			3.80E-03
STCDH_041	317	318	35			3.50E-03
STCDH_041	318	319	36			3.60E-03
STCDH_041	319	320	27			2.70E-03
STCDH_041	320	321	26			0.0026
STCDH_041	321	322	25			2.50E-03
STCDH_041	322	323	27			2.70E-03
STCDH_041	323	324	53			5.30E-03
STCDH_041	324	325	21			2.10E-03
STCDH_041	325	326	27			2.70E-03
STCDH_041	326	327	25			2.50E-03
STCDH_041	327	329.82999	28			2.80E-03
STCDH_041	331.51999	333	29			0.0029
STCDH_041	333	334.20001	27			2.70E-03
STCDH_041	334.20001	335	25			2.50E-03
STCDH_041	335	336.5	21			2.10E-03
STCDH_041	336.5	338	19			0.0019
STCDH_041	338	339.5	18			0.0018
STCDH_041	339.5	341	17			0.0017
STCDH_041	341	342.5	19			0.0019
STCDH_041	342.5	344	16			0.0016
STCDH_041	344	345.5	16			0.0016
STCDH_041	345.5	347	15			0.0015
STCDH_041	347	348.5	15			0.0015
STCDH_041	348.5	350	15			0.0015
STCDH_041	350	350.54999	16			0.0016
STCDH_041	350.54999	352	18			0.0018
STCDH_041	352	353.5	11			0.0011
STCDH_041	353.5	355	14			0.0014
STCDH_041	355	356.5	18			0.0018
STCDH_041	356.5	358	18			0.0018
STCDH_041	358	359.5	20			2.00E-03
STCDH_041	359.5	360	21			2.10E-03
STCDH_043	0	1	901	2840	0.28400001	9.01E-02
STCDH_043	1	2	830	2420	0.242	8.30E-02
STCDH_043	2	3	418	1540	0.154	0.0418
STCDH_043	3	4	679	1810	0.18099999	6.79E-02
STCDH_043	4	5	2980	5850	0.58499998	0.29800001
STCDH_043	5	6	1980	4210	0.421	0.198
STCDH_043	6	7	1810	3990	0.39899999	0.18099999
STCDH_043	7	8	1480	3340	0.33399999	0.148
STCDH_043	8	9	1220	3150	0.315	0.122
STCDH_043	9	10	599	1780	0.178	5.99E-02
STCDH_043	10	11	500	1950	0.19499999	5.00E-02
STCDH_043	11	12	684	2070	0.207	6.84E-02
STCDH_043	12	13	447	1440	0.14399999	0.0447
STCDH_043	13	14	432	1510	0.15099999	4.32E-02
STCDH_043	14	15	507	1660	0.16599999	5.07E-02
STCDH_043	15	16	562	1800	0.18000001	5.62E-02
STCDH_043	16	16.799999	687	2210	0.221	6.87E-02
STCDH_043	16.799999	18.5	814	1220	0.122	0.0814
STCDH_043	18.5	19	218	394	0.0394	0.0218
STCDH_043	19	20	1450	1420	0.142	0.145
STCDH_043	20	21	2950	3170	0.317	0.29499999
STCDH_043	21	22	1250	3630	0.36300001	0.125
STCDH_043	22	23	794	2320	0.23199999	7.94E-02

STCDH_043	23	24	488	1160	0.116	4.88E-02
STCDH_043	24	25	845	1700	0.17	0.0845
STCDH_043	25	28.5	475	1950	0.19499999	4.75E-02
STCDH_043	28.5	30	333	841	8.41E-02	3.33E-02
STCDH_043	30	31	297	770	0.077	0.0297
STCDH_043	31	33	893	1680	0.168	8.93E-02
STCDH_043	34.5	39.700001	491	601	0.0601	0.0491
STCDH_043	40	41	1020	2140	0.214	0.102
STCDH_043	41	41.5	854	1620	0.162	0.0854
STCDH_043	41.5	46	1010	660	0.066	0.101
STCDH_043	46	47	615	1510	0.15099999	6.15E-02
STCDH_043	47	48	797	1760	0.176	7.97E-02
STCDH_043	48	49	920	1910	0.191	0.092
STCDH_043	49	50	666	1290	0.12899999	6.66E-02
STCDH_043	50	51.5	734	1080	0.108	7.34E-02
STCDH_043	51.5	54	1050	1620	0.162	0.105
STCDH_043	54	55.5	805	1280	0.12800001	8.05E-02
STCDH_043	55.5	56.5	860	1420	0.142	8.60E-02
STCDH_043	56.5	57.200001	663	1170	0.117	6.63E-02
STCDH_043	57.200001	58.5	521	854	0.0854	5.21E-02
STCDH_043	58.5	59	190	314	3.14E-02	1.90E-02
STCDH_043	59	60	173	91.900002	9.19E-03	0.0173
STCDH_043	60	61	101	41.299999	4.13E-03	0.0101
STCDH_043	61	62	77	16.1	0.00161	0.0077
STCDH_043	62	63	68	24.700001	2.47E-03	6.80E-03
STCDH_043	63	64	115	24.700001	2.47E-03	0.0115
STCDH_043	64	65	186	21.9	2.19E-03	0.0186
STCDH_043	65	66	82	9.5	9.50E-04	0.0082
STCDH_043	66	67	108	8.1999998	8.20E-04	0.0108
STCDH_043	67	68	101	10.9	1.09E-03	0.0101
STCDH_043	68	69	80	9.8000002	9.80E-04	8.00E-03
STCDH_043	69	70	87	9.5	9.50E-04	8.70E-03
STCDH_043	70	71	82	13.8	0.00138	0.0082
STCDH_043	71	72	160	13	0.0013	1.60E-02
STCDH_043	72	73	244	6	6.00E-04	0.0244
STCDH_043	73	74	465	22.700001	2.27E-03	4.65E-02
STCDH_043	74	75	1280	118	0.0118	0.12800001
STCDH_043	75	76	91	30.299999	0.00303	9.10E-03
STCDH_043	76	77	137	19.299999	1.93E-03	0.0137
STCDH_043	77	78	274	11.1	1.11E-03	0.0274
STCDH_043	78	79	371	26.299999	0.00263	3.71E-02
STCDH_043	79	80	919	17.299999	1.73E-03	9.19E-02
STCDH_043	80	81	808	17.799999	1.78E-03	8.08E-02
STCDH_043	81	82	913	121	0.0121	9.13E-02
STCDH_043	82	83	335	17.700001	1.77E-03	3.35E-02
STCDH_043	83	84	817	25.200001	2.52E-03	8.17E-02
STCDH_043	84	85	2200	131	0.0131	0.22
STCDH_043	85	85.5	7880	766	0.0766	0.78799999
STCDH_043	85.5	86.099998	10000	1110	0.111	1
STCDH_043	86.099998	87	10000	1160	0.116	1
STCDH_043	87	88	10000	6890	0.68900001	1
STCDH_043	88	88.900002	9840	11000	1.1	0.98400003
STCDH_043	88.900002	90	3320	30200	3.02	0.33199999
STCDH_043	90	90.849998	6100	18500	1.85	0.61000001
STCDH_043	90.849998	92	1990	11100	1.11	0.199
STCDH_043	92	93	1090	6830	0.68300003	0.109
STCDH_043	93	94	893	11500	1.15	8.93E-02
STCDH_043	94	95	263	2470	0.24699999	0.0263
STCDH_043	95	96	754	3040	0.30399999	7.54E-02
STCDH_043	96	97.5	523	9170	0.917	5.23E-02
STCDH_043	97.5	98.300003	367	4510	0.45100001	3.67E-02
STCDH_043	98.300003	99	252	1470	0.147	0.0252
STCDH_043	99	100.5	99	1100	0.11	9.90E-03

STCDH_043	100.5	101	56	4310	0.43099999	5.60E-03
STCDH_043	101	102	264	1860	0.186	0.0264
STCDH_043	102	103	498	1520	0.152	4.98E-02
STCDH_043	103	104	9	2530	0.25299999	9.00E-04
STCDH_043	104	105	552	9660	0.96600002	5.52E-02
STCDH_043	105	105.3	999	1920	0.192	0.0999
STCDH_043	105.3	106.5	30	255	0.0255	0.003
STCDH_043	106.5	108	42	36.099998	3.61E-03	4.20E-03
STCDH_043	108	109.5	58	38.200001	0.00382	5.80E-03
STCDH_043	109.5	110.5	117	21.299999	2.13E-03	0.0117
STCDH_044	0	1	1880	1790	0.17900001	0.18799999
STCDH_044	1	2	475	1300	0.13	4.75E-02
STCDH_044	2	3	332	1240	0.124	3.32E-02
STCDH_044	3	4	354	1380	0.138	3.54E-02
STCDH_044	4	5	238	1270	0.127	2.38E-02
STCDH_044	5	6	358	1420	0.142	3.58E-02
STCDH_044	6	7	768	1930	0.193	7.68E-02
STCDH_044	7	8	908	2030	0.20299999	9.08E-02
STCDH_044	8	9	1510	1370	0.13699999	0.15099999
STCDH_044	9	10	2980	2060	0.206	0.29800001
STCDH_044	10	11	1180	2780	0.278	0.118
STCDH_044	11	12	274	2560	0.25600001	0.0274
STCDH_044	12	13	299	2780	0.278	2.99E-02
STCDH_044	13	14	423	2940	0.294	4.23E-02
STCDH_044	14	15	506	2000	0.2	0.0506
STCDH_044	15	16	185	1630	0.163	0.0185
STCDH_044	16	17	183	1830	0.183	1.83E-02
STCDH_044	17	18	971	3100	0.31	9.71E-02
STCDH_044	18	19	319	6400	0.63999999	0.0319
STCDH_044	19	20	226	1920	0.192	2.26E-02
STCDH_044	20	21	164	1860	0.186	0.0164
STCDH_044	21	22	132	1780	0.178	0.0132
STCDH_044	22	22.5	156	1230	0.123	0.0156
STCDH_044	22.5	23.5	840	4360	0.43599999	8.40E-02
STCDH_044	23.5	25.5	2080	13100	1.3099999	0.208
STCDH_044	27	28	2160	91600	9.1599998	0.21600001
STCDH_044	28	29	2150	67800	6.7800002	0.215
STCDH_044	29	30	2030	24400	2.4400001	0.20299999
STCDH_044	30	31	695	16100	1.61	6.95E-02
STCDH_044	31	32	972	16400	1.64	9.72E-02
STCDH_044	32	33	1160	30700	3.0699999	0.116
STCDH_044	33	34	912	17000	1.7	9.12E-02
STCDH_044	34	34.5	1150	12700	1.27	0.115
STCDH_044	34.5	35	1230	12200	1.22	0.123
STCDH_044	35	36	201	553	5.53E-02	2.01E-02
STCDH_044	36	37	148	986	0.0986	0.0148
STCDH_044	37	38	399	9460	0.94599998	3.99E-02
STCDH_044	38	39	282	4430	0.44299999	2.82E-02
STCDH_044	39	40	278	2410	0.241	2.78E-02
STCDH_044	40	41.5	87	354	3.54E-02	8.70E-03
STCDH_044	41.5	42.5	163	1000	0.1	0.0163
STCDH_044	42.5	43.200001	113	642	6.42E-02	0.0113
STCDH_044	43.200001	44.5	167	3600	0.36000001	0.0167
STCDH_044	44.5	46	198	1270	0.127	0.0198
STCDH_044	46	47	206	827	8.27E-02	0.0206
STCDH_044	47	48	225	1020	0.102	2.25E-02
STCDH_044	48	49	110	591	5.91E-02	0.011
STCDH_044	49	50.5	122	614	0.0614	0.0122
STCDH_044	50.5	51.5	32	159	1.59E-02	3.20E-03
STCDH_044	51.5	52	209	762	7.62E-02	0.0209
STCDH_044	52	53	90	541	5.41E-02	9.00E-03
STCDH_044	53	54	412	1560	0.156	4.12E-02
STCDH_044	54	55	562	1330	0.133	5.62E-02

STCDH_044	55	56.5	2710	6870	0.68699998	0.271
STCDH_044	56.5	58	1420	2830	0.28299999	0.142
STCDH_044	58	59	8280	25300	2.53	0.82800001
STCDH_044	59	60	9990	31700	3.1700001	0.99900001
STCDH_044	60	61	11400	51300	5.1300001	1.14
STCDH_044	61	62	7260	53400	5.3400002	0.72600001
STCDH_044	62	63	6000	59000	5.9000001	0.60000002
STCDH_044	63	64	2000	14400	1.4400001	0.2
STCDH_044	64	65	18900	38800	3.8800001	1.89
STCDH_044	65	65.800003	832	27400	2.74	0.0832
STCDH_044	65.800003	67	870	1890	0.189	8.70E-02
STCDH_044	67	68	88	4370	0.43700001	0.0088
STCDH_044	68	69	94	2500	0.25	9.40E-03
STCDH_044	69	70	115	5060	0.50599998	0.0115
STCDH_044	70	71.5	125	6030	0.60299999	0.0125
STCDH_044	71.5	73	153	5380	0.53799999	0.0153
STCDH_044	73	74.5	479	8170	0.81699997	4.79E-02
STCDH_044	74.5	76	317	6130	0.61299998	0.0317
STCDH_044	76	77.5	5970	20400	2.04	0.597
STCDH_044	77.5	78	1230	64900	6.4899998	0.123
STCDH_044	78	79	5360	68300	6.8299999	0.53600001
STCDH_044	79	80.199997	5830	39100	3.9100001	0.583
STCDH_044	80.199997	81.5	7210	9050	0.90499997	0.72100002
STCDH_044	81.5	83.5	6750	4700	0.47	0.67500001
STCDH_044	83.5	85	890	32100	3.21	8.90E-02
STCDH_044	85	86	540	24000	2.4000001	5.40E-02
STCDH_044	86	87	672	27600	2.76	6.72E-02
STCDH_044	87	88.5	311	25800	2.5799999	3.11E-02
STCDH_044	88.5	89.5	468	22400	2.24	4.68E-02
STCDH_044	89.5	91	351	3380	0.338	3.51E-02
STCDH_044	91	92.5	684	6250	0.625	6.84E-02
STCDH_044	92.5	94	1190	13100	1.3099999	0.119
STCDH_044	94	95.5	537	745	7.45E-02	0.0537
STCDH_044	98.5	99.5	3780	41000	4.0999999	0.37799999
STCDH_044	99.5	100.5	5490	47500	4.75	0.54900002
STCDH_044	100.5	101	5620	49500	4.9499998	0.56199998
STCDH_044	101	102	4850	67500	6.75	0.48500001
STCDH_044	102	103	8230	55400	5.54	0.82300001
STCDH_044	103	104.5	12100	48500	4.8499999	1.21
STCDH_044	104.5	105	5280	55500	5.5500002	0.528
STCDH_044	105	106	6640	39400	3.9400001	0.66399997
STCDH_044	106	107	3150	51100	5.1100001	0.315
STCDH_044	107	108	4770	42000	4.1999998	0.477
STCDH_044	108	109	7110	54400	5.4400001	0.71100003
STCDH_044	109	110	7520	134000	13.4	0.75199997
STCDH_044	110	111	253	56500	5.6500001	0.0253
STCDH_044	111	112	337	69900	6.9899998	0.0337
STCDH_044	112	114	1150	72600	7.2600002	0.115
STCDH_044	114	115.5	712	26000	2.5999999	7.12E-02
STCDH_044	115.5	116.85	883	75200	7.52	8.83E-02
STCDH_044	116.85	118	188	12600	1.26	0.0188
STCDH_044	118	119	70	5900	0.58999997	7.00E-03
STCDH_044	119	119.75	179	12700	1.27	1.79E-02
STCDH_044	119.75	121	197	10700	1.0700001	0.0197
STCDH_044	121	123	414	3780	0.37799999	0.0414
STCDH_044	123	124	589	38300	3.8299999	5.89E-02
STCDH_044	124	126	101	13400	1.34	0.0101
STCDH_044	126	127	260	23800	2.3800001	2.60E-02
STCDH_044	128.5	129.5	745	38400	3.8399999	7.45E-02
STCDH_044	129.5	131.5	91	18700	1.87	9.10E-03
STCDH_044	131.5	133	845	15000	1.5	0.0845
STCDH_044	134.5	136	4590	134000	13.4	0.45899999
STCDH_044	136	137.5	4110	62700	6.27	0.41100001

STCDH_044	137.5	139.5		5140	73800	7.3800001	0.514
STCDH_044	139.5	141.39999		5390	64900	6.4899998	0.53899997
STCDH_044	141.39999	142		9420	209000	20.9	0.94199997
STCDH_044	142	143.5		796	10200	1.02	7.96E-02
STCDH_044	143.5	145		152	192	1.92E-02	0.0152
STCDH_044	145	147		84	51.200001	5.12E-03	8.40E-03
STCDH_044	147	148.60001		50	137	0.0137	5.00E-03
STCDH_044	148.60001	150		6960	207	0.0207	0.69599998
STCDH_044	150	151.5		166	87	8.70E-03	0.0166
STCDH_046	0	1.5					
STCDH_046	1.5	3					
STCDH_046	3	4.5					
STCDH_046	4.5	6					
STCDH_046	6	7.5					
STCDH_046	7.5	9					
STCDH_046	9	10.5					
STCDH_046	10.5	12.1					
STCDH_046	12.1	13.5					
STCDH_046	13.5	15					
STCDH_046	15	16.4					
STCDH_046	16.4	17.1					
STCDH_046	17.1	18					
STCDH_046	18	19.299999					
STCDH_046	19.299999	20.5					
STCDH_046	20.5	22					
STCDH_046	22	23					
STCDH_046	23	24.209999					
STCDH_046	24.209999	25					
STCDH_046	25	26					
STCDH_046	26	26.85					
STCDH_046	26.85	28					
STCDH_046	28	29.5					
STCDH_046	29.5	31					
STCDH_046	31	32.099998					
STCDH_046	33.599998	34.5					
STCDH_046	34.5	35.150002					
STCDH_046	35.150002	36.5					
STCDH_046	36.5	38					
STCDH_046	38	39.5					
STCDH_046	39.5	41					
STCDH_046	41	42.5					
STCDH_046	42.5	44					
STCDH_046	44	45.5					
STCDH_046	45.5	47					
STCDH_046	47	48.5					
STCDH_046	48.5	50					
STCDH_046	50	51.5					
STCDH_046	51.5	53					
STCDH_046	53	54.5					
STCDH_046	54.5	56					
STCDH_046	56	57.5					
STCDH_046	57.5	59.099998					
STCDH_046	59.099998	60.5					
STCDH_046	60.5	62					
STCDH_046	62	63.5					
STCDH_046	63.5	65					
STCDH_046	65	66.5					
STCDH_046	66.5	68					
STCDH_046	68	69.5					
STCDH_046	69.5	71					
STCDH_046	71	72.5					
STCDH_046	72.5	74					
STCDH_046	74	75.5					

STCDH_046	75.5	76.800003
STCDH_046	76.800003	78
STCDH_046	78	79.5
STCDH_046	79.5	81
STCDH_046	81	82.5
STCDH_046	82.5	84
STCDH_046	84	85.5
STCDH_046	85.5	87
STCDH_046	87	88.370003
STCDH_046	90	91.5
STCDH_046	91.5	93
STCDH_046	93	94.5
STCDH_046	94.5	96
STCDH_046	96	97.5
STCDH_046	97.5	98.599998
STCDH_046	101.6	103
STCDH_046	103	104
STCDH_046	104	105
STCDH_046	105	106
STCDH_046	106	107
STCDH_046	107	107.6
STCDH_046	109.1	110.6
STCDH_046	110.6	112
STCDH_046	112	113.5
STCDH_046	113.5	115
STCDH_046	115	116.5
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STCDH_046	118	119.6
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STCDH_046	128.10001	129
STCDH_046	129	130.10001
STCDH_046	131.60001	133
STCDH_046	133	134.5
STCDH_046	134.5	136
STCDH_046	136	137.5
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STCDH_046	145.5	146.60001
STCDH_046	146.60001	148
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STCDH_046	176.5	177.64999
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STCDH_046	284.89999	286

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STCDH_046	288	288.29999				
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STCDH_046	290	291.07001				
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STCDH_046	294	294.79999				
STCDH_046	294.79999	296				
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STCDH_046	297	297.75				
STCDH_046	297.75	299				
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STCDH_046	303.5	305				
STCDH_046	305	306.5				
STCDH_046	306.5	307.29999				
STCDH_046	307.29999	308.5				
STCDH_046	308.5	310				
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STCDH_046	311.5	313				
STCDH_046	313	314.5				
STCDH_046	314.5	316				
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STCDH_046	320.5	322				
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STCDH_046	326.5	328				
STCDH_046	328	329.5				
STCDH_046	329.5	330.60001				
STCDH_048	0	1	7300	4600	0.46000001	0.73000002
STCDH_048	1	2	5000	2800	0.28	0.5
STCDH_048	2	3	3000	2300	0.23	0.30000001
STCDH_048	3	4	21100	5800	0.57999998	2.1099999
STCDH_048	4	5	1400	1100	0.11	0.14
STCDH_048	5	6	1400	1000	0.1	0.14
STCDH_048	6	7	800	3400	0.34	8.00E-02
STCDH_048	7	8	3200	10100	1.01	0.31999999
STCDH_048	8	9	6500	27700	2.77	0.64999998
STCDH_048	9	10	2700	12200	1.22	0.27000001
STCDH_048	10	11	1800	38300	3.8299999	0.18000001
STCDH_048	11	12	1100	6500	0.64999998	0.11
STCDH_048	12	13	3400	19600	1.96	0.34
STCDH_048	13	14	4800	13200	1.3200001	0.47999999
STCDH_048	14	15	3800	24900	2.49	0.38
STCDH_048	15	16	18500	39400	3.9400001	1.85
STCDH_048	16	17	14800	29100	2.9100001	1.48
STCDH_048	17	18.5	12000	29000	2.9000001	1.2
STCDH_048	18.5	19.5	14600	30200	3.02	1.46
STCDH_048	19.5	20	2900	12100	1.21	0.28999999
STCDH_048	20	21	1700	8100	0.81	0.17
STCDH_048	21	22	1300	8400	0.83999997	0.13
STCDH_048	22	22.5	800	9200	0.92000002	8.00E-02
STCDH_048	24	25	3700	27900	2.79	0.37
STCDH_048	25	26	4100	78500	7.8499999	0.41
STCDH_048	26	27	2600	20200	2.02	0.25999999
STCDH_048	27	28	4900	89100	8.9099998	0.49000001

STCDH_048	28	30	3900	285000	28.5	0.38999999
STCDH_048	30	31	5300	120000	12	0.52999997
STCDH_048	31	32	2000	18100	1.8099999	0.2
STCDH_048	32	33	2500	35000	3.5	0.25
STCDH_048	33	34	2900	33700	3.3699999	0.28999999
STCDH_048	34	35	2300	77000	7.6999998	0.23
STCDH_048	35	36	700	11400	1.14	0.07
STCDH_048	36	37	700	15100	1.51	0.07
STCDH_048	37	38	1500	19600	1.96	0.15000001
STCDH_048	38	39	2900	150000	15	0.28999999
STCDH_048	39	40	5200	115000	11.5	0.51999998
STCDH_048	40	41	3500	84800	8.4799995	0.34999999
STCDH_048	41	42	3900	63100	6.3099999	0.38999999
STCDH_048	42	43	3700	79200	7.9200001	0.37
STCDH_048	43	44	3100	115000	11.5	0.31
STCDH_048	44	45	4190	29300	2.9300001	0.419
STCDH_048	45	46	4270	52100	5.21	0.42699999
STCDH_048	46	47	2510	76300	7.6300001	0.25099999
STCDH_048	47	48	3060	79000	7.9000001	0.30599999
STCDH_048	48	49	2280	50600	5.0599999	0.228
STCDH_048	49	50	1850	43700	4.3699999	0.185
STCDH_048	50	51	1610	22200	2.22	0.161
STCDH_048	51	52	1490	31100	3.1099999	0.149
STCDH_048	52	53	1620	117000	11.7	0.162
STCDH_048	53	54	1420	36900	3.6900001	0.142
STCDH_048	54	54.599998	1850	9800	0.98000002	0.185
STCDH_048	54.599998	55	339	2300	0.23	0.0339
STCDH_048	55	56	291	200	0.02	2.91E-02
STCDH_048	56	57	390	200	0.02	3.90E-02
STCDH_048	57	58	649	3100	0.31	6.49E-02
STCDH_048	58	58.5	273	1800	0.18000001	0.0273
STCDH_048	58.5	59.5	541	20700	2.0699999	5.41E-02
STCDH_048	59.5	60.5	399	6100	0.61000001	3.99E-02
STCDH_048	60.5	61	420	23700	2.3699999	4.20E-02
STCDH_048	61	62	548	20400	2.04	0.0548
STCDH_048	62	62.5	855	14100	1.41	8.55E-02
STCDH_048	65.5	66	614	15000	1.5	0.0614
STCDH_048	66	67	239	3900	0.38999999	0.0239
STCDH_048	67	68.5	158	2700	0.27000001	1.58E-02
STCDH_048	68.5	70	355	3800	0.38	3.55E-02
STCDH_048	70	71	196	3200	0.31999999	0.0196
STCDH_048	71	72	464	3300	0.33000001	4.64E-02
STCDH_048	72	73	400	3100	0.31	4.00E-02
STCDH_048	73	74.5	1510	9500	0.94999999	0.15099999
STCDH_048	76	77	284	2300	0.23	0.0284
STCDH_048	77	78	309	2800	0.28	0.0309
STCDH_048	78	79.5	403	3400	0.34	0.0403
STCDH_048	79.5	81	2240	4200	0.41999999	0.22400001
STCDH_048	81	82	59	200	0.02	5.90E-03
STCDH_048	82	83.5	119	400	4.00E-02	0.0119
STCDH_048	83.5	85	207	400	4.00E-02	0.0207
STCDH_048	85.5	87	2040	4100	0.41	0.204
STCDH_048	87	89.199997	1090	2100	0.20999999	0.109
STCDH_048	89.199997	90.5	109	600	6.00E-02	0.0109
STCDH_048	90.5	91	1080	1800	0.18000001	0.108
STCDH_048	91	92	104	100	1.00E-02	0.0104
STCDH_048	92	94.5	1520	1900	0.19	0.152
STCDH_048	94.5	95.5	-1	-100	-1.00E-02	-1.00E-04
STCDH_048	95.5	96.5	373	800	8.00E-02	3.73E-02
STCDH_048	96.5	97.5	176	539	0.0539	0.0176
STCDH_048	97.5	98.5	309	910	9.10E-02	0.0309
STCDH_048	98.5	99.5	265	556	5.56E-02	0.0265
STCDH_048	99.5	101.5	282	805	8.05E-02	2.82E-02

STCDH_048	101.5	103	271	487	4.87E-02	2.71E-02
STCDH_048	103	104.5	192	516	5.16E-02	1.92E-02
STCDH_048	107.5	109	21	164	0.0164	2.10E-03
STCDH_048	109	110	147	178	0.0178	0.0147
STCDH_048	110	111	73	197	0.0197	7.30E-03
STCDH_048	111	112	80	257	2.57E-02	8.00E-03
STCDH_048	112	113	114	274	0.0274	0.0114
STCDH_048	113	113.5	165	925	9.25E-02	0.0165
STCDH_048	113.5	115	36	422	4.22E-02	3.60E-03
STCDH_048	115	116	124	1270	0.127	0.0124
STCDH_048	116	117	40	1530	0.153	4.00E-03
STCDH_048	117	118	102	174	0.0174	0.0102
STCDH_048	118	119	67	266	0.0266	6.70E-03
STCDH_048	119	120	15	400	4.00E-02	0.0015
STCDH_048	120	121	5	59.5	5.95E-03	5.00E-04
STCDH_048	121	122	51	392	0.0392	5.10E-03
STCDH_048	122	123	17	211	0.0211	0.0017
STCDH_048	123	124	28	227	2.27E-02	2.80E-03
STCDH_048	124	125	67	196	0.0196	6.70E-03
STCDH_048	125	126	53	1470	0.147	5.30E-03
STCDH_048	126	127	20	302	3.02E-02	2.00E-03
STCDH_048	127	128	36	639	6.39E-02	3.60E-03
STCDH_048	128	129	36	1570	0.15700001	3.60E-03
STCDH_048	129	130	30	1480	0.148	0.003
STCDH_048	130	131	22	1440	0.14399999	0.0022
STCDH_048	131	132	19	2990	0.29899999	0.0019
STCDH_048	132	133	31	7000	0.69999999	3.10E-03
STCDH_048	133	134	838	789	7.89E-02	8.38E-02
STCDH_048	134	135	169	20.6	2.06E-03	1.69E-02
STCDH_048	135	136	386	25	2.50E-03	3.86E-02
STCDH_048	136	137	368	21.4	0.00214	3.68E-02
STCDH_048	137	138	336	68.199997	6.82E-03	3.36E-02
STCDH_048	138	139	445	20.799999	0.00208	4.45E-02
STCDH_048	139	140	407	3820	0.382	0.0407
STCDH_048	140	141	194	4530	0.45300001	1.94E-02
STCDH_048	141	142	111	918	9.18E-02	0.0111
STCDH_048	142	143	76	1050	0.105	7.60E-03
STCDH_048	143	143.5	175	4910	0.491	0.0175
STCDH_048	143.5	144	344	2260	0.226	3.44E-02
STCDH_048	144	145	8	986	0.0986	8.00E-04
STCDH_048	145	146	7	679	6.79E-02	7.00E-04
STCDH_048	146	147	93	1940	0.19400001	0.0093
STCDH_048	147	148	27	1870	0.18700001	2.70E-03
STCDH_048	148	149	126	1290	0.12899999	0.0126
STCDH_048	149	150	62	4170	0.417	6.20E-03
STCDH_048	150	151	39	1960	0.19599999	3.90E-03
STCDH_048	151	152	68	1400	0.14	6.80E-03
STCDH_048	152	153.25999	93	7580	0.75800002	0.0093
STCDH_048	153.25999	154	17	11500	1.15	0.0017
STCDH_048	154	155	32	5290	0.52899998	3.20E-03
STCDH_048	155	155.46001	95	2150	0.215	9.50E-03
STCDH_048	155.46001	156	465	842	8.42E-02	4.65E-02
STCDH_048	156	157	527	3870	0.38699999	5.27E-02
STCDH_048	157	158	242	1560	0.156	0.0242
STCDH_048	158	159	330	1540	0.154	0.033
STCDH_048	159	160	122	448	4.48E-02	0.0122
STCDH_048	160	161	674	728	7.28E-02	6.74E-02
STCDH_048	161	162	281	3160	0.31600001	2.81E-02
STCDH_048	162	163	298	4560	0.456	0.0298
STCDH_048	163	164	837	1800	0.18000001	8.37E-02
STCDH_048	164	165	871	2110	0.211	8.71E-02
STCDH_048	165	166	64	2810	0.28099999	6.40E-03
STCDH_048	166	167	114	3830	0.38299999	0.0114

STCDH_048	167	167.64999	31	1820	0.182	3.10E-03
STCDH_048	167.64999	168	295	4800	0.47999999	0.0295
STCDH_048	168	169	170	1970	0.197	1.70E-02
STCDH_048	169	170	107	2270	0.227	0.0107
STCDH_048	170	171	215	546	0.0546	2.15E-02
STCDH_048	171	172	236	692	6.92E-02	2.36E-02
STCDH_048	172	173	250	2510	0.25099999	0.025
STCDH_048	173	174	233	1010	0.101	0.0233
STCDH_048	174	175	655	3280	0.32800001	6.55E-02
STCDH_048	175	176	619	3040	0.30399999	6.19E-02
STCDH_048	176	177	1350	2930	0.29300001	0.13500001
STCDH_048	177	178	130	485	4.85E-02	0.013
STCDH_048	178	179	182	543	5.43E-02	1.82E-02
STCDH_048	179	180	113	471	0.0471	0.0113
STCDH_048	180	181	120	277	0.0277	0.012
STCDH_048	181	182	56	135	0.0135	5.60E-03
STCDH_048	182	183	45	340	3.40E-02	4.50E-03
STCDH_048	183	184	60	417	4.17E-02	6.00E-03
STCDH_048	184	185	199	529	5.29E-02	0.0199
STCDH_048	185	186	66	339	0.0339	0.0066
STCDH_048	186	187	94	195	0.0195	9.40E-03
STCDH_048	187	188	127	208	0.0208	0.0127
STCDH_048	188	189	39	384	3.84E-02	3.90E-03
STCDH_048	189	190	43	196	0.0196	4.30E-03
STCDH_048	190	190.5	27	103	0.0103	2.70E-03
STCDH_049	0	1	1550	2470	0.24699999	0.155
STCDH_049	1	2	3970	3030	0.303	0.39700001
STCDH_049	2	3	1040	972	9.72E-02	0.104
STCDH_049	3	4	821	886	8.86E-02	8.21E-02
STCDH_049	4	5	1050	8590	0.85900003	0.105
STCDH_049	5	6	887	14100	1.41	8.87E-02
STCDH_049	6	7	1140	24400	2.4400001	0.114
STCDH_049	7	8	1190	44700	4.4699998	0.119
STCDH_049	8	9	725	50600	5.0599999	7.25E-02
STCDH_049	9	10	723	51700	5.1700001	7.23E-02
STCDH_049	10	11	692	43700	4.3699999	6.92E-02
STCDH_049	11	12	761	58800	5.8800001	7.61E-02
STCDH_049	12	13	1970	85800	8.5799999	0.197
STCDH_049	13	14	4620	69800	6.98	0.46200001
STCDH_049	14	15	7040	85300	8.5299997	0.704
STCDH_049	15	16	6070	121000	12.1	0.60699999
STCDH_049	16	16.5	7140	50200	5.02	0.71399999
STCDH_049	16.5	17	11200	30900	3.0899999	1.12
STCDH_049	17	18	4310	33700	3.3699999	0.43099999
STCDH_049	18	19	9090	48000	4.8000002	0.90899998
STCDH_049	19	20	9300	35100	3.51	0.93000001
STCDH_049	20	21	6430	20000	2	0.64300001
STCDH_049	21	22	2450	28000	2.8	0.245
STCDH_049	22	23	2310	47700	4.77	0.23100001
STCDH_049	23	24	12400	87200	8.7200003	1.24
STCDH_049	24	25	913	69500	6.9499998	9.13E-02
STCDH_049	25	26	1170	52000	5.1999998	0.117
STCDH_049	26	27	934	34400	3.4400001	9.34E-02
STCDH_049	27	28	2040	54100	5.4099998	0.204
STCDH_049	28	29.1	1280	43100	4.3099999	0.12800001
STCDH_049	29.1	30	691	126000	12.6	0.0691
STCDH_049	30	31	435	209000	20.9	4.35E-02
STCDH_049	31	32	276	35100	3.51	0.0276
STCDH_049	32	32.799999	231	73900	7.3899999	0.0231
STCDH_049	32.799999	34	955	81000	8.1000004	0.0955
STCDH_049	34	35	376	98800	9.8800001	3.76E-02
STCDH_049	35	36	637	9150	0.91500002	6.37E-02
STCDH_049	36	37	682	69200	6.9200001	0.0682

STCDH_049	37	38	860	51300	5.1300001	8.60E-02
STCDH_049	38	39	309	15000	1.5	0.0309
STCDH_049	39	39.599998	321	28200	2.8199999	3.21E-02
STCDH_049	39.599998	40	1440	3290	0.329	0.14399999
STCDH_049	40	41	1090	2790	0.27900001	0.109
STCDH_049	41	42	1230	3480	0.34799999	0.123
STCDH_049	42	43	2190	33800	3.3800001	0.219
STCDH_049	43	44	1890	18700	1.87	0.189
STCDH_049	44	45	1040	10000	1	0.104
STCDH_049	45	46	357	28500	2.8499999	3.57E-02
STCDH_049	46	47.099998	3040	14200	1.42	0.30399999
STCDH_049	50.099998	51	783	9260	0.926	7.83E-02
STCDH_049	51	52	1480	63900	6.3899999	0.148
STCDH_049	52	53	320	17600	1.76	3.20E-02
STCDH_049	53	54.200001	1590	24900	2.49	0.15899999
STCDH_049	54.200001	55	3480	78800	7.8800001	0.34799999
STCDH_049	55	56	4010	14100	1.41	0.40099999
STCDH_049	56	57	801	27100	2.71	0.0801
STCDH_049	57	58	1180	94700	9.4700003	0.118
STCDH_049	58	59	1870	51100	5.1100001	0.18700001
STCDH_049	59	60	3080	56100	5.6100001	0.308
STCDH_049	60	61	1070	103000	10.3	0.107
STCDH_049	61	62	714	41800	4.1799998	7.14E-02
STCDH_049	62	63	889	9020	0.90200001	0.0889
STCDH_049	63	64	3070	226000	22.6	0.30700001
STCDH_049	64	65	3110	132000	13.2	0.31099999
STCDH_049	65	66	2420	28600	2.8599999	0.242
STCDH_049	66	67	1970	17000	1.7	0.197
STCDH_049	67	68	2260	18600	1.86	0.226
STCDH_049	68	69	2620	131000	13.1	0.26199999
STCDH_049	69	70	1400	232000	23.200001	0.14
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STCDH_049	78	79.5				
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STCDH_049	82	83.099998				
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STCDH_049	87	89.099998				
STCDH_049	90.599998	91				
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STCDH_049	229	230	40	2190	0.219	4.00E-03
STCDH_049	230	231	199	2010	0.20100001	0.0199
STCDH_049	231	232	574	2360	0.236	5.74E-02
STCDH_049	232	233	397	1530	0.153	3.97E-02
STCDH_049	233	234	868	1780	0.178	8.68E-02
STCDH_049	234	235	160	1340	0.134	1.60E-02
STCDH_049	235	236	60	2810	0.28099999	6.00E-03
STCDH_049	236	237	80	3960	0.396	8.00E-03

STCDH_049	237	238	135	5420	0.542	0.0135
STCDH_049	238	239	419	5960	0.59600002	4.19E-02
STCDH_049	239	240	50	3940	0.39399999	5.00E-03
STCDH_049	240	241	30	3020	0.30199999	0.003
STCDH_049	241	242	66	12200	1.22	0.0066
STCDH_049	242	243	59	17300	1.73	5.90E-03
STCDH_049	243	244	94	7910	0.79100001	9.40E-03
STCDH_049	244	245	264	5250	0.52499998	0.0264
STCDH_049	245	246	210	11200	1.12	0.021
STCDH_049	246	246.3	57	22400	2.24	5.70E-03
STCDH_049	246.3	247	194	17500	1.75	1.94E-02
STCDH_049	247	248	548	19900	1.99	0.0548
STCDH_049	248	249	510	23700	2.3699999	5.10E-02
STCDH_049	249	250	267	16900	1.6900001	2.67E-02
STCDH_049	250	251	136	27500	2.75	0.0136
STCDH_049	251	252	92	18300	1.83	9.20E-03
STCDH_049	252	253	458	17300	1.73	0.0458
STCDH_049	253	254	19500	43300	4.3299999	1.95
STCDH_049	254	255	3620	10900	1.09	0.36199999
STCDH_049	255	256	2370	22100	2.21	0.237
STCDH_049	256	257	628	25800	2.5799999	6.28E-02
STCDH_049	257	258	9610	31500	3.1500001	0.96100003
STCDH_049	258	259	214	20000	2	2.14E-02
STCDH_049	259	260	427	19600	1.96	0.0427
STCDH_049	260	261	575	23800	2.3800001	5.75E-02
STCDH_049	261	262	2690	36200	3.6199999	0.26899999
STCDH_049	262	263	11600	47000	4.6999998	1.16
STCDH_049	263	264	4530	35500	3.55	0.45300001
STCDH_049	264	265	293	30500	3.05	2.93E-02
STCDH_049	265	266	517	37200	3.72	0.0517
STCDH_049	266	267	111	40100	4.0100002	0.0111
STCDH_049	267	268	37	27000	2.7	0.0037
STCDH_049	268	269	95	44500	4.4499998	9.50E-03
STCDH_049	269	270	52	29900	2.99	0.0052
STCDH_049	270	271	41	35200	3.52	0.0041
STCDH_049	271	272	280	43700	4.3699999	2.80E-02
STCDH_049	272	273	56	37300	3.73	5.60E-03
STCDH_049	273	274	331	27500	2.75	3.31E-02
STCDH_049	274	275	731	24500	2.45	7.31E-02
STCDH_049	275	276	128	16600	1.66	0.0128
STCDH_049	276	277.20001	2310	27500	2.75	0.23100001
STCDH_049	277.20001	278	235	20600	2.0599999	2.35E-02
STCDH_049	278	279	128	19400	1.9400001	0.0128
STCDH_049	279	280	2320	27800	2.78	0.23199999
STCDH_049	280	281	785	29200	2.9200001	7.85E-02
STCDH_049	281	282	507	11400	1.14	5.07E-02
STCDH_049	282	283	800	36800	3.6800001	8.00E-02
STCDH_049	283	284	512	132000	13.2	5.12E-02
STCDH_049	284	285	301	43600	4.3600001	3.01E-02
STCDH_049	285	286	38	26300	2.6300001	3.80E-03
STCDH_049	286	287	24	24200	2.4200001	2.40E-03
STCDH_049	287	288	30	16500	1.65	0.003
STCDH_049	288	289	161	38100	3.8099999	1.61E-02
STCDH_049	289	290	98	31800	3.1800001	9.80E-03
STCDH_049	290	291	102	39400	3.9400001	0.0102
STCDH_049	291	292	56	30400	3.04	5.60E-03
STCDH_049	292	293	505	38100	3.8099999	5.05E-02
STCDH_049	293	294	24	44300	4.4299998	2.40E-03
STCDH_049	294	294.39999	921	30900	3.0899999	9.21E-02
STCDH_049	294.39999	295	10500	28400	2.8399999	1.05
STCDH_049	295	296	14900	12600	1.26	1.49
STCDH_049	296	297	10500	32300	3.23	1.05
STCDH_049	297	297.29999	7770	32300	3.23	0.77700001

STCDH_049	297.29999	298	238	28000	2.8	2.38E-02
STCDH_049	298	299	713	23000	2.3	0.0713
STCDH_049	299	300	433	20800	2.0799999	4.33E-02
STCDH_049	300	301	232	39500	3.95	0.0232
STCDH_049	301	302	1810	50500	5.0500002	0.18099999
STCDH_049	302	303	605	25100	2.51	0.0605
STCDH_049	303	304	345	27700	2.77	3.45E-02
STCDH_049	304	305	395	91000	9.1000004	3.95E-02
STCDH_049	305	306	203	25300	2.53	2.03E-02
STCDH_049	306	307	52	22000	2.2	0.0052
STCDH_049	307	308	1070	43500	4.3499999	0.107
STCDH_049	308	309	4960	28300	2.8299999	0.49599999
STCDH_049	309	310	134	19700	1.97	0.0134
STCDH_049	310	311	30	14500	1.45	0.003
STCDH_049	311	311.89999	72	16000	1.6	7.20E-03
STCDH_049	311.89999	313	312	33400	3.3399999	3.12E-02
STCDH_049	313	314	7750	39500	3.95	0.77499998
STCDH_049	314	314.60001	467	12200	1.22	4.67E-02
STCDH_049	314.60001	315	311	6170	0.61699998	3.11E-02
STCDH_049	315	316	225	15300	1.53	2.25E-02
STCDH_049	316	317	414	22500	2.25	0.0414
STCDH_049	317	318	667	13900	1.39	6.67E-02
STCDH_049	318	318.70001	1240	14800	1.48	0.124
STCDH_049	318.70001	319	3470	3230	0.32300001	0.347
STCDH_049	319	320	1820	699	6.99E-02	0.182
STCDH_049	320	321	624	31700	3.1700001	6.24E-02
STCDH_049	321	322	2010	17400	1.74	0.20100001
STCDH_049	322	323	2030	2300	0.23	0.20299999
STCDH_049	323	324	1300	316	3.16E-02	0.13
STCDH_049	324	325	143	75.099998	7.51E-03	0.0143
STCDH_049	325	326	87	63.400002	6.34E-03	8.70E-03
STCDH_049	326	327	62	57	5.70E-03	6.20E-03
STCDH_049	327	328	50	45.299999	0.00453	5.00E-03
STCDH_049	328	329	44	45.200001	0.00452	0.0044
STCDH_049	329	330	45	60.200001	6.02E-03	4.50E-03
STCDH_049	330	331	35	55.5	5.55E-03	3.50E-03
STCDH_049	331	332.45001	29	39.099998	0.00391	0.0029
STCDH_049	332.45001	333.5	29	67.400002	6.74E-03	0.0029
STCDH_050	2.5	7	302	2760	0.27599999	3.02E-02
STCDH_050	13	15	2540	46300	4.6300001	0.25400001
STCDH_050	15	16	1040	84400	8.4399996	0.104
STCDH_050	16	17	1090	52600	5.2600002	0.109
STCDH_050	17	19	1350	50800	5.0799999	0.13500001
STCDH_050	40	41.5	182	472	4.72E-02	1.82E-02
STCDH_050	41.5	43	489	659	6.59E-02	4.89E-02
STCDH_050	43	44	526	735	0.0735	0.0526
STCDH_050	44	45	51	115	0.0115	5.10E-03
STCDH_050	45	46	94	186	0.0186	9.40E-03
STCDH_050	46	47	203	339	0.0339	2.03E-02
STCDH_050	47	48	371	599	5.99E-02	3.71E-02
STCDH_050	48	49	67	212	2.12E-02	6.70E-03
STCDH_050	49	50	123	263	0.0263	0.0123
STCDH_050	50	51	28	76.800003	7.68E-03	2.80E-03
STCDH_050	51	53	58	299	2.99E-02	5.80E-03
STCDH_050	53	55.700001	44	127	0.0127	0.0044
STCDH_050	55.700001	57	1260	743	7.43E-02	0.126
STCDH_050	57	60	831	517	0.0517	8.31E-02
STCDH_050	60	63	1300	710	7.10E-02	0.13
STCDH_050	64.300003	66	1020	1280	0.12800001	0.102
STCDH_050	72	74	1690	1230	0.123	0.169
STCDH_050	74	75	2040	1660	0.16599999	0.204
STCDH_050	75	76	3180	2540	0.25400001	0.31799999
STCDH_050	76	77	1350	1300	0.13	0.13500001

STCDH_050	77	78	1530	1120	0.112	0.153
STCDH_050	79.5	81	726	1480	0.148	0.0726
STCDH_050	81	82.5	1470	1960	0.19599999	0.147
STCDH_050	82.5	84	1530	1980	0.198	0.153
STCDH_050	85.5	87	251	688	6.88E-02	0.0251
STCDH_050	87	88	-9999	-9999	-0.99989998	-0.99989998
STCDH_050	88	89	-9999	-9999	-0.99989998	-0.99989998
STCDH_050	89	90	166	1330	0.133	0.0166
STCDH_050	91.5	93	275	708	7.08E-02	0.0275
STCDH_050	93	94.5	236	737	7.37E-02	2.36E-02
STCDH_050	96	97	548	458	0.0458	0.0548
STCDH_050	97	98	3050	1270	0.127	0.30500001
STCDH_050	98	99	11300	1070	0.107	1.13
STCDH_050	99	101	2360	601	0.0601	0.236
STCDH_050	101	102	1560	551	5.51E-02	0.156
STCDH_050	102	103.5	787	395	3.95E-02	7.87E-02
STCDH_050	103.5	105	1710	671	6.71E-02	0.171
STCDH_050	105	106.5	601	444	4.44E-02	0.0601
STCDH_050	110.1	112	1200	1320	0.132	0.12
STCDH_050	112	114	1530	1570	0.15700001	0.153
STCDH_050	114	115.5	1790	1830	0.183	0.17900001
STCDH_050	115.5	117	2410	1240	0.124	0.241
STCDH_050	118.5	119	812	1330	0.133	8.12E-02
STCDH_050	119	120	2310	2050	0.205	0.23100001
STCDH_050	120	121	3770	3080	0.308	0.377
STCDH_050	121	122	2110	2170	0.21699999	0.211
STCDH_050	122	123	5570	5400	0.54000002	0.55699998
STCDH_050	123	124	3810	3880	0.38800001	0.38100001
STCDH_050	124	125	2350	3840	0.384	0.235
STCDH_050	125	126	2880	5500	0.55000001	0.28799999
STCDH_050	126	127	3520	7230	0.72299999	0.352
STCDH_050	127	128	2990	6860	0.68599999	0.29899999
STCDH_050	128	129	1300	3990	0.39899999	0.13
STCDH_050	130.5	131	617	3500	0.34999999	6.17E-02
STCDH_050	131	132	1200	4910	0.491	0.12
STCDH_050	132	133	2140	7440	0.74400002	0.214
STCDH_050	133	134	3820	12800	1.28	0.382
STCDH_050	134	135	1240	5050	0.505	0.124
STCDH_050	135	136.7	10700	27000	2.7	1.0700001
STCDH_050	136.7	137	173	2920	0.292	0.0173
STCDH_050	137	138	587	5600	0.56	5.87E-02
STCDH_050	138	139	1860	8810	0.88099998	0.186
STCDH_050	139	140	182	3170	0.317	1.82E-02
STCDH_050	140	140.7	92	2540	0.25400001	9.20E-03
STCDH_050	140.7	141	3740	26500	2.6500001	0.37400001
STCDH_050	141	142	2320	14400	1.4400001	0.23199999
STCDH_050	142	143	2080	12900	1.29	0.208
STCDH_050	143	144	7040	12600	1.26	0.704
STCDH_050	151.5	153	2170	25400	2.54	0.21699999
STCDH_050	153	154	810	18200	1.8200001	0.081
STCDH_050	154	155.5	1840	22000	2.2	0.184
STCDH_050	157.5	159	495	25100	2.51	0.0495
STCDH_050	159	160	1350	29900	2.99	0.13500001
STCDH_050	160	161	948	13000	1.3	9.48E-02
STCDH_050	161	162	1220	24400	2.4400001	0.122
STCDH_050	162	163.5	1820	24200	2.4200001	0.182
STCDH_050	163.5	164	1100	28300	2.8299999	0.11
STCDH_050	164	165	3590	33700	3.3699999	0.359
STCDH_050	165	166.5	1830	30000	3	0.183
STCDH_050	166.5	168	2080	20900	2.0899999	0.208
STCDH_050	168	169.5	2220	36000	3.5999999	0.222
STCDH_050	169.5	172.2	1290	35400	3.54	0.12899999
STCDH_050	174	177	2250	13200	1.3200001	0.22499999

STCDH_050	177	178	1600	26600	2.6600001	0.16
STCDH_050	178	179	1590	26000	2.5999999	0.15899999
STCDH_050	179	180.5	1690	16900	1.6900001	0.169
STCDH_050	180.5	181.5	1830	63100	6.3099999	0.183
STCDH_050	181.5	182	2900	53400	5.3400002	0.28999999
STCDH_050	182	183	278	13100	1.3099999	2.78E-02
STCDH_050	183	184	105	2170	0.21699999	0.0105
STCDH_050	184	185	53	358	3.58E-02	5.30E-03
STCDH_050	185	186	50	4780	0.47799999	5.00E-03
STCDH_050	186	187	90	7150	0.71499997	9.00E-03
STCDH_050	187	188	27	5030	0.50300002	2.70E-03
STCDH_050	188	189	396	5220	0.52200001	0.0396
STCDH_050	189	190	176	2750	0.27500001	0.0176
STCDH_050	190	191	402	3880	0.38800001	4.02E-02
STCDH_050	191	192	135	10500	1.05	0.0135
STCDH_050	192	193	55	8350	0.83499998	0.0055
STCDH_050	193	194	111	7680	0.76800001	0.0111
STCDH_050	194	195	144	5550	0.55500001	0.0144
STCDH_050	195	196	262	8610	0.861	0.0262
STCDH_050	196	197	115	6710	0.671	0.0115
STCDH_050	197	198	195	16600	1.66	0.0195
STCDH_050	198	199.5	39	8030	0.80299997	3.90E-03
STCDH_050	199.5	200	106	15200	1.52	0.0106
STCDH_050	200	201	255	28700	2.8699999	0.0255
STCDH_050	201	202	102	14800	1.48	0.0102
STCDH_050	202	203	54	7000	0.69999999	5.40E-03
STCDH_050	203	204	340	6300	0.63	3.40E-02
STCDH_050	204	205	126	11000	1.1	0.0126
STCDH_050	205	206	73	17900	1.79	7.30E-03
STCDH_050	206	207	98	21200	2.1199999	9.80E-03
STCDH_050	207	208	56	14800	1.48	5.60E-03
STCDH_050	208	209	65	10400	1.04	6.50E-03
STCDH_050	209	210	191	18900	1.89	1.91E-02
STCDH_050	210	211	616	21400	2.1400001	0.0616
STCDH_050	211	212	170	4350	0.435	1.70E-02
STCDH_050	212	213	166	8330	0.833	0.0166
STCDH_050	213	214	1750	13500	1.35	0.175
STCDH_050	214	215	235	16900	1.6900001	2.35E-02
STCDH_050	215	216	1210	20600	2.0599999	0.121
STCDH_050	216	217	59	22700	2.27	5.90E-03
STCDH_050	217	218	35	11800	1.1799999	3.50E-03
STCDH_050	218	219	122	36500	3.6500001	0.0122
STCDH_050	219	220	36	13600	1.36	3.60E-03
STCDH_050	220	221	317	12200	1.22	0.0317
STCDH_050	221	222	321	15100	1.51	3.21E-02
STCDH_050	222	223	147	14400	1.4400001	0.0147
STCDH_050	223	224	73	21600	2.1600001	7.30E-03
STCDH_050	224	225	44	3970	0.39700001	0.0044
STCDH_050	225	225.5	55	8750	0.875	0.0055
STCDH_050	225.5	226	40	3530	0.35299999	4.00E-03
STCDH_050	226	227	57	4350	0.435	5.70E-03
STCDH_050	227	228	47	5650	0.565	4.70E-03
STCDH_050	228	229	67	22700	2.27	6.70E-03
STCDH_050	229	230	80	18500	1.85	8.00E-03
STCDH_050	230	231	45	7350	0.73500001	4.50E-03
STCDH_050	231	232	330	7720	0.77200001	0.033
STCDH_050	232	233	80	30200	3.02	8.00E-03
STCDH_050	233	234	110	2480	0.248	0.011
STCDH_050	234	235	109	4460	0.44600001	0.0109
STCDH_050	235	236	101	4830	0.48300001	0.0101
STCDH_050	236	237	83	4430	0.44299999	8.30E-03
STCDH_050	237	238	45	5340	0.53399998	4.50E-03
STCDH_050	238	239	57	7550	0.755	5.70E-03

STCDH_050	239	240	509	12500	1.25	5.09E-02
STCDH_050	240	240.5	267	5310	0.53100002	2.67E-02
STCDH_050	240.5	241	26	1260	0.126	0.0026
STCDH_050	241	242	138	2940	0.294	0.0138
STCDH_050	242	243	81	2740	0.27399999	8.10E-03
STCDH_050	243	243.5	56600	43100	4.3099999	5.6599998
STCDH_050	243.5	244	132	9510	0.95099998	0.0132
STCDH_050	244	245	78	15300	1.53	7.80E-03
STCDH_050	245	246	64	3890	0.389	6.40E-03
STCDH_050	246	247	31	5270	0.52700001	3.10E-03
STCDH_050	247	248	131	22600	2.26	0.0131
STCDH_050	248	249	75	20400	2.04	7.50E-03
STCDH_050	249	250	188	33600	3.3599999	0.0188
STCDH_050	250	251	107	61300	6.1300001	0.0107
STCDH_050	251	252	86	53400	5.3400002	8.60E-03
STCDH_050	252	253	58	36200	3.6199999	5.80E-03
STCDH_050	253	254	65	34800	3.48	6.50E-03
STCDH_050	254	254.5	80	18500	1.85	8.00E-03
STCDH_050	254.5	255.5	89	34900	3.49	8.90E-03
STCDH_050	255.5	256.63	85	25100	2.51	8.50E-03
STCDH_050	256.63	257	65	31300	3.1300001	6.50E-03
STCDH_050	257	258	128	40900	4.0900002	0.0128
STCDH_050	258	259	80	29400	2.9400001	8.00E-03
STCDH_050	259	260	45	25600	2.5599999	4.50E-03
STCDH_050	260	261	459	39900	3.99	4.59E-02
STCDH_050	261	262	474	28800	2.8800001	4.74E-02
STCDH_050	262	262.67999	265	29000	2.9000001	0.0265
STCDH_050	262.67999	263	474	32300	3.23	4.74E-02
STCDH_050	263	264	51	33100	3.3099999	5.10E-03
STCDH_050	264	265	373	16100	1.61	3.73E-02
STCDH_050	265	266	5130	28100	2.8099999	0.51300001
STCDH_050	266	267	294	18100	1.8099999	0.0294
STCDH_050	267	268	487	13600	1.36	4.87E-02
STCDH_050	268	269	1730	31900	3.1900001	0.17299999
STCDH_050	269	270	1380	4710	0.47099999	0.138
STCDH_050	270	271	3550	4940	0.49399999	0.35499999
STCDH_050	271	272	2960	26800	2.6800001	0.296
STCDH_050	272	273	1520	11500	1.15	0.152
STCDH_050	273	274	2070	20900	2.0899999	0.207
STCDH_050	274	275	1880	29900	2.99	0.18799999
STCDH_050	275	276	2630	22700	2.27	0.26300001
STCDH_050	276	276.79999	47	6550	0.65499997	4.70E-03
STCDH_050	276.79999	278	578	26100	2.6099999	5.78E-02
STCDH_050	278	279	127	36500	3.6500001	0.0127
STCDH_050	279	280	168	34600	3.46	1.68E-02
STCDH_050	280	281	86	62900	6.29	8.60E-03
STCDH_050	281	282	229	35500	3.55	0.0229
STCDH_050	282	283	1240	41100	4.1100001	0.124
STCDH_050	283	284	758	43000	4.3000002	7.58E-02
STCDH_050	284	285	152	29300	2.9300001	0.0152
STCDH_050	285	286	95	25500	2.55	9.50E-03
STCDH_050	286	287	46	38100	3.8099999	4.60E-03
STCDH_050	287	288				
STCDH_050	288	289	40	17200	1.72	4.00E-03
STCDH_050	289	290	85	20000	2	8.50E-03
STCDH_050	290	291	79	21400	2.1400001	7.90E-03
STCDH_050	291	292	79	21400	2.1400001	7.90E-03
STCDH_050	292	293	549	26400	2.6400001	5.49E-02
STCDH_050	293	294	61	30700	3.0699999	6.10E-03
STCDH_050	294	295	108	30100	3.01	0.0108
STCDH_050	295	296	42	28800	2.8800001	4.20E-03
STCDH_050	296	297	539	23800	2.3800001	0.0539
STCDH_050	297	298	993	23100	2.3099999	9.93E-02

STCDH_050	298	299	2500	34700	3.47	0.25
STCDH_050	299	300	319	42600	4.2600002	0.0319
STCDH_050	300	301	909	13500	1.35	9.09E-02
STCDH_050	301	302	956	58600	5.8600001	9.56E-02
STCDH_050	302	303	996	59800	5.98	9.96E-02
STCDH_050	303	304	623	56500	5.6500001	0.0623
STCDH_050	304	305	148	24900	2.49	0.0148
STCDH_050	305	306	326	31100	3.1099999	3.26E-02
STCDH_050	306	307	333	32300	3.23	3.33E-02
STCDH_050	307	308	47	59600	5.96	4.70E-03
STCDH_050	308	309	133	33300	3.3299999	0.0133
STCDH_050	309	310	321	35400	3.54	3.21E-02
STCDH_050	310	311	209	28300	2.8299999	0.0209
STCDH_050	311	312	691	39100	3.9100001	0.0691
STCDH_050	312	313	308	40300	4.0300002	0.0308
STCDH_050	313	314	927	30100	3.01	9.27E-02
STCDH_050	314	315	141	24100	2.4100001	0.0141
STCDH_050	315	316	28	9580	0.958	2.80E-03
STCDH_050	316	317	439	18200	1.8200001	4.39E-02
STCDH_050	317	318	217	30900	3.0899999	0.0217
STCDH_050	318	319	400	26600	2.6600001	4.00E-02
STCDH_050	319	320	126	36000	3.5999999	0.0126
STCDH_050	320	321	102	20600	2.0599999	0.0102
STCDH_050	321	322	67	25600	2.5599999	6.70E-03
STCDH_050	322	323	333	32000	3.2	3.33E-02
STCDH_050	323	324	41	23600	2.3599999	0.0041
STCDH_050	324	325	81	31800	3.1800001	8.10E-03
STCDH_050	325	326	217	38400	3.8399999	0.0217
STCDH_050	326	327	58	53100	5.3099999	5.80E-03
STCDH_050	327	328	249	56800	5.6799998	2.49E-02
STCDH_050	328	329	179	34200	3.4200001	1.79E-02
STCDH_050	329	330	37	35700	3.5699999	0.0037
STCDH_050	330	330.60001	293	33200	3.3199999	2.93E-02
STCDH_050	330.60001	332.5	51	149	0.0149	5.10E-03
STCDH_050	332.5	334.5	41	188	0.0188	0.0041
STCDH_050	334.5	336.5	24	87.5	0.00875	2.40E-03
STCDH_050	336.5	338.5	14	406	4.06E-02	0.0014
STCDH_050	338.5	340.5	11	115	0.0115	0.0011
STCDH_050	340.5	342.5	10	414	0.0414	0.001
STCDH_050	342.5	344.5	6	106	0.0106	6.00E-04
STCDH_050	344.5	346.5	3	123	0.0123	3.00E-04
STCDH_050	346.5	348.5	6	214	2.14E-02	6.00E-04
STCDH_050	348.5	350.5	15	108	0.0108	0.0015
STCDH_050	350.5	352.5	3	105	0.0105	3.00E-04
STCDH_050	352.5	354.5	4	93.699997	9.37E-03	4.00E-04
STCDH_051	0	1	1510	4160	0.41600001	0.15099999
STCDH_051	1	2	4750	25900	2.5899999	0.47499999
STCDH_051	2	3	5130	24700	2.47	0.51300001
STCDH_051	3	4	5320	10100	1.01	0.53200001
STCDH_051	4	5.0999999	9340	19000	1.9	0.93400002
STCDH_051	8.1000004	10.1	5220	26800	2.6800001	0.52200001
STCDH_051	10.1	11	10500	21700	2.1700001	1.05
STCDH_051	11	12	6410	11000	1.1	0.64099997
STCDH_051	12	13	14000	25800	2.5799999	1.4
STCDH_051	13	14	2410	7760	0.77600002	0.241
STCDH_051	14	15	1400	9780	0.97799999	0.14
STCDH_051	15	16	879	4710	0.47099999	8.79E-02
STCDH_051	16	17.1	814	2060	0.206	0.0814
STCDH_051	17.1	18.299999	2370	4870	0.48699999	0.237
STCDH_051	18.299999	19	1580	3720	0.37200001	0.15800001
STCDH_051	19	20	702	2470	0.24699999	7.02E-02
STCDH_051	20	20.5	1780	9250	0.92500001	0.178
STCDH_051	20.5	21.549999	6230	12500	1.25	0.62300003

STCDH_051	21.549999	22	1800	8350	0.83499998	0.18000001
STCDH_051	22	23	3080	16600	1.66	0.308
STCDH_051	23	24	2200	16000	1.6	0.22
STCDH_051	24	25	2880	7490	0.74900001	0.28799999
STCDH_051	25	25.639999	2090	8270	0.82700002	0.20900001
STCDH_051	25.639999	26.4	1060	5390	0.53899997	0.106
STCDH_051	26.4	27	388	3980	0.398	3.88E-02
STCDH_051	27	28	336	56900	5.6900001	3.36E-02
STCDH_051	28	28.75	615	33100	3.3099999	6.15E-02
STCDH_051	28.75	29.4	1010	5990	0.59899998	0.101
STCDH_051	29.4	30	226	7300	0.73000002	2.26E-02
STCDH_051	30	31	415	12700	1.27	4.15E-02
STCDH_051	31	32	640	5140	0.514	6.40E-02
STCDH_051	32	33	237	4430	0.44299999	2.37E-02
STCDH_051	33	34	914	7500	0.75	9.14E-02
STCDH_051	34	34.849998	435	7870	0.787	4.35E-02
STCDH_051	34.849998	36	1290	10900	1.09	0.12899999
STCDH_051	36	37.25	869	11700	1.17	8.69E-02
STCDH_051	37.25	38	896	9320	0.93199998	8.96E-02
STCDH_051	38	39	1250	12500	1.25	0.125
STCDH_051	39	40	659	6170	0.61699998	6.59E-02
STCDH_051	40	41	1190	4960	0.49599999	0.119
STCDH_051	41	42	921	7720	0.77200001	9.21E-02
STCDH_051	42	43	786	16300	1.63	7.86E-02
STCDH_051	43	44.299999	359	16000	1.6	0.0359
STCDH_051	44.299999	45	174	1760	0.176	0.0174
STCDH_051	45	46	210	2360	0.236	0.021
STCDH_051	46	47	674	18500	1.85	6.74E-02
STCDH_051	47	48	447	16900	1.6900001	0.0447
STCDH_051	48	49	692	9370	0.93699998	6.92E-02
STCDH_051	49	50	2660	12200	1.22	0.266
STCDH_051	50	51	2690	13600	1.36	0.26899999
STCDH_051	51	52	3670	17100	1.71	0.36700001
STCDH_051	52	53	1020	2830	0.28299999	0.102
STCDH_051	53	54	952	8810	0.88099998	9.52E-02
STCDH_051	54	55	1910	8930	0.89300001	0.191
STCDH_051	55	56	2010	7090	0.70899999	0.20100001
STCDH_051	56	56.5	1780	7320	0.73199999	0.178
STCDH_051	56.5	58	1040	5110	0.51099998	0.104
STCDH_051	58	59	1640	2560	0.25600001	0.164
STCDH_051	59	60	2220	8480	0.84799999	0.222
STCDH_051	60	60.880001	2060	13300	1.33	0.206
STCDH_051	60.880001	61.599998	2840	24400	2.4400001	0.28400001
STCDH_051	61.599998	62.099998	2310	27700	2.77	0.23100001
STCDH_051	62.099998	63	1990	11100	1.11	0.199
STCDH_051	63	64	878	16700	1.67	8.78E-02
STCDH_051	64	65	943	7600	0.75999999	9.43E-02
STCDH_051	65	66	651	3460	0.34599999	6.51E-02
STCDH_051	66	67	1160	3950	0.39500001	0.116
STCDH_051	67	68	3590	2940	0.294	0.359
STCDH_051	68	69.099998	2840	2900	0.28999999	0.28400001
STCDH_051	69.099998	69.599998	3290	98800	9.8800001	0.329
STCDH_051	69.599998	70	2180	16900	1.6900001	0.21799999
STCDH_051	70	71	3310	14800	1.48	0.331
STCDH_051	71	71.779999	1450	11200	1.12	0.145
STCDH_051	71.779999	73	11300	66000	6.5999999	1.13
STCDH_051	73	74	2890	47900	4.79	0.289
STCDH_051	74	75	1480	125000	12.5	0.148
STCDH_051	75	76	1180	104000	10.4	0.118
STCDH_051	76	77	1270	165000	16.5	0.127
STCDH_051	77	79	1470	108000	10.8	0.147
STCDH_051	79	80	2100	23100	2.3099999	0.20999999
STCDH_051	80	81	3900	40200	4.02	0.38999999

STCDH_051	81	82	5080	135000	13.5	0.50800002
STCDH_051	82	83	1280	367000	36.700001	0.12800001
STCDH_051	83	86.099998	3270	105000	10.5	0.32699999
STCDH_051	86.099998	87.099998	2680	32000	3.2	0.26800001
STCDH_051	87.099998	87.769997	811	37200	3.72	8.11E-02
STCDH_051	87.769997	88.5	1200	50600	5.0599999	0.12
STCDH_051	88.5	89.099998	744	40000	4	0.0744
STCDH_051	89.099998	90	290	20700	2.0699999	2.90E-02
STCDH_051	90	91	589	29000	2.9000001	5.89E-02
STCDH_051	91	92.099998	467	23500	2.3499999	4.67E-02
STCDH_051	92.099998	93	606	99900	9.9899998	6.06E-02
STCDH_051	93	94.5	1000	139000	13.9	0.1
STCDH_051	101.1	102	893	8950	0.89499998	8.93E-02
STCDH_051	102	103	459	21000	2.0999999	4.59E-02
STCDH_051	103	104.1	329	20200	2.02	3.29E-02
STCDH_051	104.1	107.1	844	20700	2.0699999	8.44E-02
STCDH_051	107.1	108	964	14200	1.42	0.0964
STCDH_051	108	108.5	983	28100	2.8099999	9.83E-02
STCDH_051	108.5	109	1210	17800	1.78	0.121
STCDH_051	109	110.1	1240	17500	1.75	0.124
STCDH_051	113.1	114.2	430	60000	6	4.30E-02
STCDH_051	114.2	116.1	121	68000	6.8000002	0.0121
STCDH_051	116.1	117	62	1590	0.15899999	6.20E-03
STCDH_051	117	118	114	1710	0.171	0.0114
STCDH_051	118	119	41	267	2.67E-02	0.0041
STCDH_051	119	120.32	116	864	8.64E-02	0.0116
STCDH_051	120.32	121.43	683	3680	0.368	6.83E-02
STCDH_051	121.43	122.1	138	1550	0.155	0.0138
STCDH_051	122.1	123	105	596	5.96E-02	0.0105
STCDH_051	123	124	118	876	0.0876	0.0118
STCDH_051	124	125.34	58	357	3.57E-02	5.80E-03
STCDH_051	125.34	126	95	783	7.83E-02	9.50E-03
STCDH_051	126	127	140	1410	0.141	0.014
STCDH_051	127	128	225	1350	0.13500001	2.25E-02
STCDH_051	128	129.3	387	812	8.12E-02	3.87E-02
STCDH_051	129.3	130.3	234	2620	0.26199999	2.34E-02
STCDH_051	130.3	132	601	1590	0.15899999	0.0601
STCDH_051	132	133	394	528	0.0528	0.0394
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Hole_ID	Max_Depth	Hole_Type	Grid	Easting	Northing	RL	Azimuth	Dip
KVDH001	129	DD	WGS84_35S	563412.9	8743365.5	1225	90	-60
KVDH002	110	DD	WGS84_35S	563412.4	8743442.5	1258.7001	90	-60
KVDH003	129.60001	DD	WGS84_35S	563403.4	8743390.9	1248.2001	90	-60
KVDH004	164	DD	WGS84_35S	563355.6	8743511.7	1251.2001	90	-60
KVRC001	57	RC	WGS84_35S	563457.4	8743442.9	1262.9	87	-60.299999
KVRC002	72	RC	WGS84_35S	563437.8	8743441.4	1261.5	81.699997	-60.200001
KVRC003	72	RC	WGS84_35S	563400.2	8743442.2	1257.5	274	-59.700001
KVRC004	72	RC	WGS84_35S	563438.5	8743491.5	1258.9	90.900002	-58.200001
KVRC005	50	RC	WGS84_35S	563403.3	8743488.2	1258.4	89.099998	-59.799999
KVRC006	50	RC	WGS84_35S	563401.4	8743488.6	1258.4	268.20001	-60.299999
KVRC007	50	RC	WGS84_35S	563376.2	8743486.4	1257.6001	267.39999	-59.799999
KVRC008	87	RC	WGS84_35S	563485.5	8743443.6	1258.1001	83.300003	-60.200001
KVRC009	87	RC	WGS84_35S	563441.8	8743389	1254.2001	87.300003	-65
KVRC010	67	RC	WGS84_35S	563475.9	8743390.8	1253	90	-60
KVRC011	52	RC	WGS84_35S	563474.6	8743341.7	1247	87	-59.599998
KVRC012	97	RC	WGS84_35S	563452.5	8743342.8	1247.2001	93	-61.099998
KVRC013	97	RC	WGS84_35S	563368.8	8743516.9	1251.9	95.400002	-61
KVRC014	112	RC	WGS84_35S	563452.9	8743531.6	1248.25	94.199997	-59.299999
KVRC015	112	RC	WGS84_35S	563342.5	8743507.6	1249.6001	90	-60
KVRC016	92	RC	WGS84_35S	563395.5	8743514.1	1255.8	96.800003	-60.700001
KVRC017	92	RC	WGS84_35S	563428.2	8743364.7	1248.3	88.199997	-59.200001
KVTR001	160	PT	WGS84_35S	563519	8743434	1250.3	0	-90
KVTR002	79	PT	WGS84_35S	563491	8743388	1252.85	0	-90
KVTR003	136	PT	WGS84_35S	563494	8743484	1250.04	0	-90
KVTR004	79	PT	WGS84_35S	563514	8743328	1244.58	0	-90
KVTR005	108	PT	WGS84_35S	563501	8743526	1245.17	0	-90
TCDH001	389	DD	WGS84_35S	562470.2	8744236.6	1236.4	270	-60
TCDH002	200.5	DD	WGS84_35S	562384.9	8744134.8	1234.9	270	-60
TCDH003	158	DD	WGS84_35S	562502.7	8744042.9	1240.1899	270	-60
TCDH004	89.699997	DD	WGS84_35S	562441.4	8743957.8	1240.1001	315	-60
TCDH005	198.3	DD	WGS84_35S	562465.3	8744340.8	1234.7001	270	-60
TCRC001	52	RC	WGS84_35S	562418.5	8744086.3	1236.85	268.10001	-60.400002
TCRC002	67	RC	WGS84_35S	562459.9	8744090.4	1237.7001	270	-60
TCRC003	110	RC	WGS84_35S	562368.1	8744236.7	1233.1001	270	-60
TCRC004	72	RC	WGS84_35S	562364.6	8744270.8	1232.4	276.10001	-58.700001
TCRC005	87	RC	WGS84_35S	562419.9	8744036.7	1237.8	269.39999	-61.400002
TCRC006	72	RC	WGS84_35S	562501.8	8744093.7	1239	269.39999	-60.5
TCRC007	80	RC	WGS84_35S	562490.2	8744142.2	1238.1001	272.79999	-60.799999
TCRC008	67	RC	WGS84_35S	562428.3	8744137.3	1236.4	268.60001	-61.5
TCRC009	62	RC	WGS84_35S	562349.6	8744190.2	1233.2001	276.20001	-62
TCRC010	67	RC	WGS84_35S	562489.4	8744192	1237.3	270.60001	-57.299999
TCRC011	67	RC	WGS84_35S	562447.2	8744187.4	1236.25	270.5	-60.599998
TCRC012	75	RC	WGS84_35S	562396.2	8744186.6	1234.75	269.39999	-60.799999
TCRC013	61	RC	WGS84_35S	562394.1	8744085.9	1236.1001	270	-60.5
TCRC014	57	RC	WGS84_35S	562458.9	8744040.5	1239.2001	269.10001	-59.700001
TCRC015	50	RC	WGS84_35S	562439.6	8744438.8	1233.5	94.699997	-59.5
TCRC016	52	RC	WGS84_35S	562399.7	8744436	1232.5	94.900002	-59.099998
TCRC017	50	RC	WGS84_35S	562457.1	8744390.9	1233.9	93.800003	-58.900002
TCRC018	57	RC	WGS84_35S	562423	8744388	1233.8	90	-60.5
TCRC019	50	RC	WGS84_35S	562480.2	8744342.2	1235.4	274	-61.299999
TCRC020	69	RC	WGS84_35S	562437.1	8744337.2	1233.8	271.5	-61.299999
TCRC021	72	RC	WGS84_35S	562389.6	8744332.5	1233.2001	271.70001	-60.400002
TCRC022	52	RC	WGS84_35S	562455.4	8744295.1	1235.15	270	-60
TCRC023	67	RC	WGS84_35S	562409.8	8744307	1233.5	270	-60
TCRC024	82	RC	WGS84_35S	562399.5	8744228.8	1232.7001	269.89999	-60.599998
TCRC025	66	RC	WGS84_35S	562430.5	8743970.1	1239.8	321.5	-60.900002
TCRC026	77	RC	WGS84_35S	562455.2	8743995.7	1240	318	-61.799999
TCRC027	100	RC	WGS84_35S	562498	8744295.5	1236.3	270	-55
TCRC028	102	RC	WGS84_35S	562457.2	8743943.2	1240.5	318.20001	-55.299999
TCRC029	110	RC	WGS84_35S	562475.2	8743980.4	1240.8	322.29999	-52.099998
TCRC030	82	RC	WGS84_35S	562378.9	8744299.1	1232.6001	270	-60
TCRC031	85	RC	WGS84_35S	562395.4	8744266.7	1232.6001	270	-60

TCRC032	57	RC	WGS84_35S	562390.8	8744486	1232.5	90.400002	-53.599998
TCRC033	67	RC	WGS84_35S	562416.8	8744488.8	1233	93.699997	-57.799999
TCRC034	91	RC	WGS84_35S	562419.3	8744435.9	1233	91.699997	-60.099998
TCRC035	105	RC	WGS84_35S	562413.7	8744337.5	1233.3	267.70001	-59.599998
TCRC036	107	RC	WGS84_35S	562403.5	8744385.7	1232.5	88.699997	-56.400002
TCRC037	110	RC	WGS84_35S	562380.8	8744436.6	1232.3	88.099998	-55.5
TCRC038	57	RC	WGS84_35S	562347.9	8744194.1	1233.1001	0.1	-89
TCRC039	73	RC	WGS84_35S	562383.7	8744222.1	1234	172.89999	-88.900002
TCTR001	13	PT	WGS84_35S	562440	8744262	1240.3	0	-90
TCTR002	8	PT	WGS84_35S	562441	8744238	1240.3	0	-90
TCTR003	7	PT	WGS84_35S	562434	8744227	1240.3	0	-90
TCTR004	6	PT	WGS84_35S	562421	8744264	1240.3	0	-90
TCTR005	70	PT	WGS84_35S	562393	8744086	1236.3	0	-90
TCTR006	42	PT	WGS84_35S	562380	8744030	1237.3	0	-90
TCTR007	52	PT	WGS84_35S	562384	8744138	1235.3	0	-90
TCTR008	48	PT	WGS84_35S	562363	8744228	1233.3	0	-90
TCTR009	31	PT	WGS84_35S	562382	8744296	1232.3	0	-90
TFDH001	161.8	DD	WGS84_35S	561877.4	8744815.8	1226.2001	90	-60
TFDH002	200.5	DD	WGS84_35S	561997.1	8744779.7	1227.2001	90	-60
TFDH003	138.10001	DD	WGS84_35S	561950	8744876	1219.3	35	-60
TFRC001	67	RC	WGS84_35S	561997.5	8744924.8	1229.2001	96.199997	-55.400002
TFRC002	77	RC	WGS84_35S	561941.3	8744922.7	1225.8	92.900002	-60.299999
TFRC003	58	RC	WGS84_35S	561895.9	8744917.2	1226.5	87.900002	-59
TFRC004	58	RC	WGS84_35S	561891.6	8744870.6	1226.3	84.699997	-60.599998
TFRC005	57	RC	WGS84_35S	561979.7	8744826	1227.15	96.5	-58.200001
TFRC006	52	RC	WGS84_35S	561906.8	8744805.7	1222.5	90	-60
TFRC007	52	RC	WGS84_35S	561940.1	8744875	1223.2001	90	-60
TFRC008	72	RC	WGS84_35S	562024.2	8744781.9	1227.7001	96.099998	-59.5
TFRC009	60	RC	WGS84_35S	561971.9	8744776.6	1227.2001	90.5	-58.5
TFRC010	50	RC	WGS84_35S	561921.9	8744775.5	1226.5	93.300003	-60.200001
TFRC011	50	RC	WGS84_35S	562050.4	8744934.3	1229.9	87.400002	-61.299999
TFRC012	57	RC	WGS84_35S	561965.7	8744726.1	1226.7001	93.099998	-60.700001
TFRC013	57	RC	WGS84_35S	562017.5	8744729.6	1227.3	90	-60.099998
TFRC014	50	RC	WGS84_35S	562065.5	8744732.6	1227.9	90	-60
TFRC015	53	RC	WGS84_35S	562032.6	8744833.7	1228.15	94.400002	-63
TFRC016	53	RC	WGS84_35S	561992.1	8744878.8	1227.9	93	-59
TFRC017	57	RC	WGS84_35S	562041.4	8744887.1	1229.5	90	-60
TFRC018	57	RC	WGS84_35S	562077.3	8744835	1227.9	92.099998	-61.299999
TFRC019	50	RC	WGS84_35S	562071.1	8744791.8	1229	92.599998	-58.200001
TFTR001	38	PT	WGS84_35S	561889	8744814	1221.64	0	-90
TFTR002	34	PT	WGS84_35S	561978	8744875	1219.9399	0	-90
TFTR003	32	PT	WGS84_35S	562081	8744858	1230.85	0	-90
TFTR004	81	PT	WGS84_35S	562099	8744883	1229.75	0	-90
TFTR005	78	PT	WGS84_35S	562072	8744906	1229.83	0	-90
TFTR006	62	PT	WGS84_35S	562010	8744960	1231	0	-90
TFTR007	44	PT	WGS84_35S	561977	8744772	1227.3	0	-90
TSDH001	158	DD	WGS84_35S	562285.5	8743999.7	1235.3	210	-60
TSDH002	107.1	DD	WGS84_35S	562303.7	8743877.8	1241.2001	30	-60
TSTR001	68	PT	WGS84_35S	562249	8743986	1222.45	0	-90
TSTR002	27	PT	WGS84_35S	562328	8743916	1233.92	0	-90
TSTR003	34	PT	WGS84_35S	562301	8743944	1215.8	0	-90
TFRC020	97	RC	WGS84_35S	561837.2	8744778.8	1224.2001	339.60001	-56.700001
TFRC021	97	RC	WGS84_35S	562026.9	8744756.5	1227.4	90	-60
TFRC022	85	RC	WGS84_35S	562004.8	8744829.5	1227.5	90	-60
TFRC023	79	RC	WGS84_35S	561968.2	8744875.8	1224.9	90	-60
TFRC024	77	RC	WGS84_35S	561915.8	8744872.4	1224.3	90	-60
TFRC025	75	RC	WGS84_35S	561969.5	8744923.2	1227.5	90	-60
TSRC001	30	RC	WGS84_35S	562300.3	8743877.9	1241.25	27.9	-60.900002
TSRC002	72	RC	WGS84_35S	562265.3	8744003.5	1232.4	210.2	-62
TSRC003	72	RC	WGS84_35S	562301.5	8743986.6	1235.6001	209.8	-59.799999
TSRC004	67	RC	WGS84_35S	562216.6	8743973.5	1219.9	290	-60
KPAC001	40	AC	WGS84_35S	561348	8743550	1250	0	-90
KPAC002	35	AC	WGS84_35S	561343	8743604	1239.1	0	-90

KPAC003	40 AC	WGS84_35S	561333	8743648	1239.1801	0	-90
KPAC004	40 AC	WGS84_35S	561409	8743552	1250.3	0	-90
KPAC005	40 AC	WGS84_35S	561402	8743612	1237.78	0	-90
KPAC006	42 AC	WGS84_35S	561395	8743650	1237.17	0	-90
KPAC007	40 AC	WGS84_35S	561454	8743560	1240.0699	0	-90
KPAC008	40 AC	WGS84_35S	561455	8743616	1236.24	0	-90
KPAC009	40 AC	WGS84_35S	561452	8743660	1235.4399	0	-90
KPAC010	40 AC	WGS84_35S	560669	8744496	1233.02	0	-90
KPAC011	40 AC	WGS84_35S	560677	8744402	1234.47	0	-90
KPAC012	40 AC	WGS84_35S	560620	8744300	1236.64	0	-90
KPAC013	40 AC	WGS84_35S	560570	8744218	1238.64	0	-90
KPAC014	40 AC	WGS84_35S	560544	8744124	1240.46	0	-90
KPAC015	40 AC	WGS84_35S	560512	8744022	1242.64	0	-90
KPAC016	30 AC	WGS84_35S	560468	8743932	1245.25	0	-90
KPAC017	30 AC	WGS84_35S	560429	8743844	1247.9399	0	-90
KPAC018	36 AC	WGS84_35S	560598	8743592	1249.29	0	-90
KPAC019	35 AC	WGS84_35S	560674	8743674	1246.83	0	-90
KPAC020	39 AC	WGS84_35S	560747	8743746	1244.74	0	-90
KPAC021	39 AC	WGS84_35S	560827	8743810	1242.6	0	-90
KPAC022	39 AC	WGS84_35S	560870	8743902	1241.26	0	-90
KPAC023	39 AC	WGS84_35S	560940	8743970	1239.4399	0	-90
KPAC024	39 AC	WGS84_35S	561011	8744034	1237.55	0	-90
KPAC025	45 AC	WGS84_35S	562325	8743292	1237.95	0	-90
KPAC026	40 AC	WGS84_35S	562555	8744448	1235.6801	0	-90
KPAC027	16 AC	WGS84_35S	562604	8744450	1236.4301	0	-90
KPAC028	33 AC	WGS84_35S	562640	8744444	1237	0	-90
KPAC029	36 AC	WGS84_35S	562680	8744446	1237.23	0	-90
KPAC030	36 AC	WGS84_35S	562738	8744450	1237.65	0	-90
KPAC031	18 AC	WGS84_35S	562797	8744454	1237.7	0	-90
KPAC032	12 AC	WGS84_35S	562840	8744458	1237.76	0	-90
KPAC033	12 AC	WGS84_35S	562890	8744466	1238.11	0	-90
KPAC034	18 AC	WGS84_35S	562938	8744462	1237.802	0	-90
KPAC035	33 AC	WGS84_35S	563000	8744458	1237.61	0	-90
KPAC036	39 AC	WGS84_35S	563048	8744462	1237.05	0	-90
KPAC037	33 AC	WGS84_35S	563094	8744468	1236.79	0	-90
KPAC038	39 AC	WGS84_35S	562556	8744236	1238.5601	0	-90
KPAC039	39 AC	WGS84_35S	562606	8744240	1239.35	0	-90
KPAC040	38 AC	WGS84_35S	562658	8744244	1239.51	0	-90
KPAC041	39 AC	WGS84_35S	562703	8744252	1239.88	0	-90
KPAC042	30 AC	WGS84_35S	562752	8744252	1239.8101	0	-90
KPAC043	35 AC	WGS84_35S	562799	8744248	1239.75	0	-90
KPAC044	39 AC	WGS84_35S	562854	8744250	1239.96	0	-90
KPAC045	48 AC	WGS84_35S	562908	8744256	1239.92	0	-90
KPAC046	39 AC	WGS84_35S	562959	8744264	1239.78	0	-90
KPAC047	30 AC	WGS84_35S	563001	8744262	1239.46	0	-90
KPAC048	35 AC	WGS84_35S	563050	8744268	1239.21	0	-90
KPAC049	20 AC	WGS84_35S	563109	8744258	1239.03	0	-90
KPAC050	39 AC	WGS84_35S	562585	8744042	1241.35	0	-90
KPAC051	39 AC	WGS84_35S	562638	8744046	1241.91	0	-90
KPAC052	39 AC	WGS84_35S	562682	8744046	1242.3101	0	-90
KPAC053	39 AC	WGS84_35S	562731	8744050	1242.63	0	-90
KPAC054	36 AC	WGS84_35S	562781	8744050	1243.9	0	-90
KPAC055	30 AC	WGS84_35S	562840	8744048	1243.0601	0	-90
KPAC056	39 AC	WGS84_35S	562887	8744056	1242.6	0	-90
KPAC057	39 AC	WGS84_35S	562936	8744056	1242.6801	0	-90
KPAC058	27 AC	WGS84_35S	562981	8744060	1242.14	0	-90
KPAC059	36 AC	WGS84_35S	563033	8744062	1241.95	0	-90
KPAC060	39 AC	WGS84_35S	563080	8744066	1241.46	0	-90
KPAC061	30 AC	WGS84_35S	562769	8743852	1242.4399	0	-90
KPAC062	39 AC	WGS84_35S	562817	8743854	1242.58	0	-90
KPAC063	39 AC	WGS84_35S	562863	8743852	1243.03	0	-90
KPAC064	33 AC	WGS84_35S	562914	8743856	1242.75	0	-90
KPAC065	39 AC	WGS84_35S	562962	8743856	1242.62	0	-90

KPAC066	39 AC	WGS84_35S	563015	8743866	1242.75	0	-90
KPAC067	36 AC	WGS84_35S	563063	8743862	1242.62	0	-90
KPAC068	32 AC	WGS84_35S	563118	8743872	1242.6801	0	-90
KPAC069	36 AC	WGS84_35S	563156	8743870	1242.42	0	-90
KPAC070	36 AC	WGS84_35S	563208	8743870	1242.01	0	-90
KPAC071	30 AC	WGS84_35S	563268	8743872	1241.46	0	-90
KPAC072	20 AC	WGS84_35S	562555	8743944	1241.78	0	-90
KPAC073	36 AC	WGS84_35S	562600	8743938	1242	0	-90
KPAC074	36 AC	WGS84_35S	562650	8743945	1242.34	0	-90
KPAC075	30 AC	WGS84_35S	562704	8743956	1242.78	0	-90
KVDM001	108 DD	WGS84_35S	563416	8743421	1254.4	90	-60
TCAC001	63 AC	WGS84_35S	562297	8744222	1229.6001	23.200001	-89.699997
TCAC002	69 AC	WGS84_35S	562316	8744224	1224	0	-90
TCAC003	70 AC	WGS84_35S	562271.4	8744219.1	1230.9	0	-90
TCAC004	66 AC	WGS84_35S	562242.2	8744219.6	1230.5	189.3	-88.699997
TCAC005	69 AC	WGS84_35S	562323.2	8744188.1	1232.1001	0	-90
TCAC006	69 AC	WGS84_35S	562300.1	8744174.5	1232.1001	0	-90
TCAC007	69 AC	WGS84_35S	562273.8	8744167.2	1231.6001	65.300003	-88
TCAC008	69 AC	WGS84_35S	562246.9	8744162.8	1231.1001	0	-90
TCAC009	64 AC	WGS84_35S	562215.6	8744156.1	1230.6001	3.4000001	-89.800003
TCAC010	65 AC	WGS84_35S	562190.4	8744148.8	1230.2001	0	-90
TCAC011	69 AC	WGS84_35S	562217.2	8744216.1	1230.3	0	-90
TCAC012	69 AC	WGS84_35S	562191.7	8744214.9	1229.9	0	-90
TCAC013	69 AC	WGS84_35S	562316	8744270.5	1231.2001	0	-90
TCAC014	69 AC	WGS84_35S	562286.4	8744266.7	1230.7001	0	-90
TCAC015	58 AC	WGS84_35S	562261.9	8744262.5	1230.6001	227.2	-89
TCAC016	69 AC	WGS84_35S	562305.7	8744123.1	1232.9	0	-90
TCAC017	69 AC	WGS84_35S	562278.1	8744122.4	1232.2001	0	-90
TCAC018	69 AC	WGS84_35S	562309	8744070	1229.3	0	-90
TCAC019	69 AC	WGS84_35S	562279.1	8744075.2	1232.9	0	-90
TCAC020	69 AC	WGS84_35S	562252.7	8744117.5	1231.8	0	-90
TCAC021	69 AC	WGS84_35S	562227.8	8744114.1	1231.4	129.8	-87.800003
TCAC022	69 AC	WGS84_35S	562204.5	8744109.9	1231.1001	0	-90
TCAC023	69 AC	WGS84_35S	562254.2	8744075	1232.2001	0	-90
TCAC024	69 AC	WGS84_35S	562230	8744068.5	1231.9	0	-90
TCAC025	63 AC	WGS84_35S	562208.5	8744066.2	1231.4	0	-90
TCAC026	75 AC	WGS84_35S	562357.8	8744028.6	1236.8	0	-90
TCAC027	75 AC	WGS84_35S	562329.7	8744027.2	1235.3	0	-90
TCAC028	63 AC	WGS84_35S	562308	8744025.2	1234.5	0	-90
TCAC029	24 AC	WGS84_35S	562250.5	8744020.8	1232.7001	0	-90
TCAC030	70 AC	WGS84_35S	562223.8	8744021.2	1232	0	-90
TCAC031	75 AC	WGS84_35S	562197.8	8744018.6	1231.2001	0	-90
TCAC032	66 AC	WGS84_35S	562171.3	8744016.4	1230.75	0	-90
TCAC033	32 AC	WGS84_35S	562146.5	8744016	1230.4	0	-90
TCAC034	75 AC	WGS84_35S	562120	8744016.9	1229	0	-90
TCAC035	54 AC	WGS84_35S	562095.8	8744013.9	1229.9	255	-89.300003
TCAC036	54 AC	WGS84_35S	562071.9	8744010.2	1230	0	-90
TCAC037	51 AC	WGS84_35S	562171.4	8743963.8	1231.2001	216.10001	-88.300003
TCAC038	75 AC	WGS84_35S	562146.4	8743961	1230.3	0	-90
TCAC039	75 AC	WGS84_35S	562121.1	8743959.2	1230.15	37.400002	-89.699997
TCAC040	33 AC	WGS84_35S	562097	8743959.2	1230.15	0	-90
TCAC041	55 AC	WGS84_35S	562071.6	8743955.8	1230	0	-90
TCAC042	58 AC	WGS84_35S	562216.2	8743921.2	1232.8	0	-90
TCAC043	15 AC	WGS84_35S	562191.5	8743918.7	1231.8	0	-90
TCAC044	42 AC	WGS84_35S	562166.2	8743917.4	1231	0	-90
TCAC045	57 AC	WGS84_35S	562140.8	8743914.9	1230.6001	0	-90
TCAC046	58 AC	WGS84_35S	562109.5	8743912.1	1230.1001	11.8	-89.400002
TCAC047	74 AC	WGS84_35S	562079.6	8743910.3	1230	263.20001	-89
TCAC048	39 AC	WGS84_35S	562050.4	8743906.3	1230.3	0	-90
TCAC049	54 AC	WGS84_35S	562175.8	8744108.8	1230.6001	0	-90
TCAC050	64 AC	WGS84_35S	562150.1	8744110.2	1229.9	0	-90
TCAC051	39 AC	WGS84_35S	562125	8744108.6	1229.8	0	-90
TCAC052	39 AC	WGS84_35S	562100.4	8744103.3	1229.4	0	-90

TCAC053	75	AC	WGS84_35S	562177.8	8744063.5	1230.6001	0	-90
TCAC054	75	AC	WGS84_35S	562153.6	8744061.4	1230.5	0	-90
TCAC055	48	AC	WGS84_35S	562127.5	8744059.7	1230.2001	0	-90
TCAC056	60	AC	WGS84_35S	562101.9	8744055.7	1229.9	0	-90
TCAC057	75	AC	WGS84_35S	562070.2	8744100.9	1228.9	0	-90
TCAC058	48	AC	WGS84_35S	562038.1	8744096.6	1228.7001	0	-90
TCAC059	52	AC	WGS84_35S	562012.7	8744099.6	1228.3	0	-90
TCAC060	40	AC	WGS84_35S	561987.7	8744099.1	1229.85	0	-90
TCAC061	40	AC	WGS84_35S	561962.9	8744099.4	1229.73	0	-90
TCAC062	31	AC	WGS84_35S	561937.3	8744098.4	1229.62	0	-90
TCAC063	52	AC	WGS84_35S	562077.6	8744054.9	1229.4	0	-90
TCAC064	63	AC	WGS84_35S	562052.3	8744055.2	1229.1001	0	-90
TCAC065	41	AC	WGS84_35S	562003	8744050	1228.7001	0	-90
TCAC066	51	AC	WGS84_35S	561978.1	8744049.4	1229	0	-90
TCAC067	52	AC	WGS84_35S	562028.1	8744053.2	1228.8	0	-90
TCAC068	39	AC	WGS84_35S	561953	8744050.2	1230.5	0	-90
TCAC069	32	AC	WGS84_35S	561927.6	8744050.1	1233.33	0	-90
TCAC070	30	AC	WGS84_35S	561902.9	8744047.1	1230.92	0	-90
TCAC071	67	AC	WGS84_35S	562046.1	8744007.5	1229.65	155.2	-88.5
TCAC072	75	AC	WGS84_35S	562021.5	8744006.5	1229.2001	0	-90
TCAC073	47	AC	WGS84_35S	561996.7	8744005	1229	0	-90
TCAC074	39	AC	WGS84_35S	561970.8	8744001.6	1231.16	0	-90
TCAC075	45	AC	WGS84_35S	561938.5	8743999.4	1231.02	0	-90
TCAC076	40	AC	WGS84_35S	561906.2	8743994	1231.03	0	-90
TCAC077	52	AC	WGS84_35S	562162	8744214.4	1229.6001	0	-90
TCAC078	51	AC	WGS84_35S	562134	8744212	1229.3	0	-90
TCAC079	63	AC	WGS84_35S	562102.4	8744209.7	1228.7001	0	-90
TCAC080	50	AC	WGS84_35S	562072.9	8744210	1228.3	0	-90
TCAC081	39	AC	WGS84_35S	562043.4	8744207.8	1228.3	0	-90
TCAC082	50	AC	WGS84_35S	562208.5	8744322.2	1229.7001	174.2	-89.400002
TCAC083	50	AC	WGS84_35S	562179.3	8744317.6	1229.2001	0	-90
TCAC084	42	AC	WGS84_35S	562149.2	8744316.8	1229	0	-90
TCAC085	50	AC	WGS84_35S	562117.9	8744313.2	1228.5	0	-90
TCAC086	39	AC	WGS84_35S	562092.5	8744310.2	1228.3	0	-90
TCAC087	30	AC	WGS84_35S	562066	8744307.5	1228.3	0	-90
TCAC088	30	AC	WGS84_35S	562192.8	8744366.7	1229.3	0	-90
TCAC089	40	AC	WGS84_35S	562162.3	8744364	1228.8	0	-90
TCAC090	40	AC	WGS84_35S	562133.4	8744360.2	1228.3	0	-90
TCAC091	40	AC	WGS84_35S	562102.5	8744358.6	1228.5	0	-90
TCAC092	30	AC	WGS84_35S	562070.9	8744354	1228	0	-90
TCAC093	42	AC	WGS84_35S	562414.7	8744005.4	1238.1001	0	-90
TCAC094	42	AC	WGS84_35S	562382	8744010	1237.4	0	-90
TCAC095	40	AC	WGS84_35S	562363.4	8743998	1237.7001	0	-90
TCAC096	57	AC	WGS84_35S	562868	8743782	1242.4	0	-90
TCAC097	69	AC	WGS84_35S	562952	8743772	1242.5	0	-90
TCAC098	69	AC	WGS84_35S	563017	8743746	1242.26	0	-90
TCAC099	60	AC	WGS84_35S	563070	8743698	1242.33	0	-90
TCAC100	60	AC	WGS84_35S	563107	8743662	1242.28	0	-90
TCAC101	57	AC	WGS84_35S	563237	8743548	1243.2	0	-90
TCAC102	72	AC	WGS84_35S	562850	8743800	1242.17	0	-90
TCAC103	72	AC	WGS84_35S	562806	8743808	1242.05	0	-90
TCAC104	69	AC	WGS84_35S	562705	8743840	1241.8	0	-90
TCAC105	60	AC	WGS84_35S	562632	8743886	1241.79	0	-90
TCDH006	236.5	DD	WGS84_35S	562463.8	8744268.4	1235.5	270	-60
TCDH007	261.5	DD	WGS84_35S	562468.8	8744188.6	1236.8	270	-60
TCDH008	138	DD	WGS84_35S	562423.6	8744182.2	1235.5	270	-60
TCDH009	122	DD	WGS84_35S	562407	8744136	1233.5	270	-60
TCDH010	354	DD	WGS84_35S	562462.4	8744139.6	1237.2001	270	-60
TCDH011	153	DD	WGS84_35S	562335	8744178.3	1233.2001	270	-60
TCDH012	281	DD	WGS84_35S	562442.1	8744085.2	1237.3	270	-60
TCDH013	285.10001	DD	WGS84_35S	562288	8744122	1232.4	270	-60
TCDH014	152.5	DD	WGS84_35S	562295.1	8744069.2	1233.5	270	-60
TCDH015	125.2	DD	WGS84_35S	562241	8744114	1231.7001	270	-60

TCDH016	112.4	DD	WGS84_35S	562280.3	8744166.1	1231.7001	270	-60
TCDH017	75	DD	WGS84_35S	562376	8744382.7	1232.3	90	-60
TCDH017A	161.10001	DD	WGS84_35S	562381	8744382	1232.48	90	-60
TCDH018	180.2	DD	WGS84_35S	562352	8744430	1232.5	90	-60
TCDH019	112	DD	WGS84_35S	562377.1	8744481.8	1232	90	-60
TCDH020	127.85	DD	WGS84_35S	562337.7	8744249.9	1232.1001	270	-60
TCDH021	170.5	DD	WGS84_35S	562380.3	8744330.9	1232.7001	270	-60
TCDH022	210.60001	DD	WGS84_35S	562435.1	8744302	1234	270	-60
TCDH023	176.60001	DD	WGS84_35S	562392.4	8744033.4	1237.3	270	-60
TCDH024	140.10001	DD	WGS84_35S	562240.9	8744067.8	1232	270	-60
TCDH025	212.7	DD	WGS84_35S	562529.4	8744299	1236.8	270	-60
TCDH026	153.5	DD	WGS84_35S	562238	8744020	1232.3	270	-60
TCDH027	209.2	DD	WGS84_35S	562511	8744342	1235.8	269	-59
TCDH028	152.2	DD	WGS84_35S	562411	8744186	1234.85	270	-60
TCDM001	121.1	DM	WGS84_35S	562350.6	8744153	1233.5	266	-62
TCDM002	141.60001	DM	WGS84_35S	562463.9	8744246.6	1236.13	270	-60
TCRC040	106	RC	WGS84_35S	562428.4	8744034.3	1238	101	-88.199997
TCRC041	91	RC	WGS84_35S	562396.3	8744034.6	1237.2001	0	-90
TCRC042	151	RC	WGS84_35S	562482.6	8744088.1	1238.7001	270	-60
TCRC043	96	RC	WGS84_35S	562366.9	8744070.7	1234.35	262.70001	-59.400002
TCRC044	120	RC	WGS84_35S	562341.1	8744073.4	1234.2001	272.5	-59.599998
TCRC045	113	RC	WGS84_35S	562362.2	8744128.6	1234.5	270	-60
TCRC046	95	RC	WGS84_35S	562329.9	8744125.4	1233.7001	270	-60
TCRC047	100	RC	WGS84_35S	562341.2	8744276.4	1231.5	270	-60
TCRC048	90	RC	WGS84_35S	562389.5	8744183.5	1234.5	268	-59.400002
TCRC049	78	RC	WGS84_35S	562354.4	8744378.6	1231.5	92.5	-60.599998
TCRC050	89	RC	WGS84_35S	562325.8	8744374.7	1231.2001	89.400002	-59.799999
TCRC051	77	RC	WGS84_35S	562323.9	8744328.1	1230.8	270.5	-60.900002
TCRC052	90	RC	WGS84_35S	562353.8	8744328.3	1231.7001	270	-60
TCRC053	76	RC	WGS84_35S	562290.4	8744326.7	1230.4	270	-60
TCRC054	81	RC	WGS84_35S	562263.1	8744327.8	1230	270	-60
TCRC055	71	RC	WGS84_35S	562234.3	8744330	1230.2001	270.70001	-60
TCRC056	90	RC	WGS84_35S	562290.9	8744374.6	1230.4	86.699997	-61.700001
TCRC057	81	RC	WGS84_35S	562260.6	8744372.9	1230.1001	90.599998	-58.900002
TCRC058	65	RC	WGS84_35S	562222.5	8744377.4	1229.6001	93.099998	-61.299999
TCRC059	90	RC	WGS84_35S	562318	8744430	1231.64	90.699997	-60.299999
TCRC060	72	RC	WGS84_35S	562282	8744434	1230.71	95	-60.700001
TCRC061	90	RC	WGS84_35S	562346.1	8744477.5	1231.7001	90	-60
TCRC062	81	RC	WGS84_35S	562289.5	8744474.7	1230.6001	90	-60
TCRC063	90	RC	WGS84_35S	562316.9	8744475.2	1231.1001	90	-60
TCRC064	69	RC	WGS84_35S	562454.7	8744539	1233.4	90	-60
TCRC065	60	RC	WGS84_35S	562424.2	8744537	1232.9	90.800003	-61
TCRC066	60	RC	WGS84_35S	562395.4	8744532.8	1232.4	90	-60
TCRC067	60	RC	WGS84_35S	562365.9	8744536.5	1232.1001	91.699997	-59.700001
TCRC068	50	RC	WGS84_35S	562336.8	8744535.5	1231.3	90.199997	-60.099998
TCRC069	50	RC	WGS84_35S	562306	8744538	1231.2001	85.800003	-60.700001
TCRC070	63	RC	WGS84_35S	562485.8	8744389.7	1230.7001	90	-60
TCRC071	86	RC	WGS84_35S	562447.8	8744386	1233.7001	90	-60
TCRC072	84	RC	WGS84_35S	562519.9	8744192.1	1238	270	-60
TCRC073	75	RC	WGS84_35S	562366	8743924.5	1240.5	129.2	-89.699997
TCRC074	75	RC	WGS84_35S	562396	8743925.7	1240.4	213.89999	-89.5
TCRC075	75	RC	WGS84_35S	562337.9	8743961.7	1243.2	0	-90
TCRC076	90	RC	WGS84_35S	562367.4	8743969.3	1239.9	255.2	-89.900002
TCRC077	50	RC	WGS84_35S	562373.6	8743870	1239.2001	244.8	-90
TCRC078	42	RC	WGS84_35S	562343.5	8743868.9	1239.1001	148.3	-89.699997
TCRC079	42	RC	WGS84_35S	562314	8743868.5	1240.5	303.60001	-89.800003
TCRC080	42	RC	WGS84_35S	562283.6	8743866.4	1240.3	72.800003	-86.199997
TCRC081	45	RC	WGS84_35S	562253.6	8743867.2	1235.4	74.199997	-84.900002
TCRC082	36	RC	WGS84_35S	562223.9	8743864.2	1232.8	214.5	-89.800003
TCRC083	36	RC	WGS84_35S	562191.8	8743863.4	1231.9	59.299999	-88.699997
TCRC084	36	RC	WGS84_35S	562162.1	8743863.6	1230.9	0	-90
TCRC085	60	RC	WGS84_35S	562131.9	8743863.6	1230.6001	48.700001	-89.5
TCRC086	60	RC	WGS84_35S	562101.9	8743863.3	1230	63.799999	-89.800003

TCRC087	81	RC	WGS84_35S	562071.4	8743862.3	1230	0	-90
TCRC088	66	RC	WGS84_35S	562039.7	8743860.6	1230.1001	101.8	-89.900002
TCRC089	57	RC	WGS84_35S	562021.2	8743857.8	1230.05	0	-90
TCRC090	81	RC	WGS84_35S	562394.5	8743984.2	1238.5	0	-90
TCRC091	81	RC	WGS84_35S	562259.7	8744429.6	1230	0	-90
TCRC092	66	RC	WGS84_35S	562232.8	8744427.9	1229.5	90	-60
TCRC093	84	RC	WGS84_35S	562253.3	8744472.6	1230.1001	92.300003	-61.5
TCRC094	81	RC	WGS84_35S	562225.1	8744470.4	1229.5	94.099998	-58.700001
TCRC095	81	RC	WGS84_35S	562193.2	8744469.7	1228.8	91.099998	-60.900002
TCRC096	63	RC	WGS84_35S	562166.3	8744470.5	1228.3	95	-62
TCRC097	63	RC	WGS84_35S	562135.9	8744468.7	1227.7001	97	-61.200001
TCRC098	66	RC	WGS84_35S	562106.6	8744469.7	1227.4	93.099998	-59.700001
TCRC099	63	RC	WGS84_35S	562073.5	8744468.1	1227.2001	90	-60
TCRC100	55	RC	WGS84_35S	562043.6	8744467.6	1227.4	90	-60
TCRC101	45	RC	WGS84_35S	562002.4	8744466.7	1227.4	91.099998	-61.400002
TCRC102	39	RC	WGS84_35S	561963.2	8744464.7	1227	93.300003	-59.5
TCRC103	60	RC	WGS84_35S	562483	8744490.7	1234	92.099998	-59.299999
TCRC104	60	RC	WGS84_35S	562449.4	8744487.8	1233.4	90.900002	-60.400002
TCRC105	30	RC	WGS84_35S	562505.3	8744441.2	1234.8	94.099998	-59.599998
TCRC106	48	RC	WGS84_35S	562475.2	8744437.9	1234.1001	90.300003	-59.400002
TCRC107	32	RC	WGS84_35S	562516.8	8744392.8	1235.5	89	-59.799999
TCRC108	102	RC	WGS84_35S	562533	8744043	1240.2001	268.79999	-59.599998
TCRC109	149	RC	WGS84_35S	562532	8744093	1239.5	269.70001	-60.700001
TCRC110	146	RC	WGS84_35S	562521	8744142	1239.1001	268.29999	-62.599998
TCRC111	128	RC	WGS84_35S	562523	8744195	1237.5	269.70001	-61.900002
TCRC112	139	RC	WGS84_35S	562501	8744237	1236.9	268.60001	-61.700001
TCRC113	146	RC	WGS84_35S	562522	8744164	1238.8	264.10001	-62.5
TCRC114	67	RC	WGS84_35S	562481	8744163	1237.4	264.20001	-60.099998
TCRC115	100	RC	WGS84_35S	562441	8744163	1236.3	261	-60.200001
TCRC116	72	RC	WGS84_35S	562320	8744186	1232.5	82	-89.699997
TCRC117	78	RC	WGS84_35S	562298	8744222	1232.6001	318.89999	-89.699997
TCRC118	82	RC	WGS84_35S	562242	8744163	1231.1001	312.79999	-90
TCRC119	90	RC	WGS84_35S	562287	8744270	1231.3	120.3	-89.5
TCRC120	76	RC	WGS84_35S	562310	8744068	1232.3	151.5	-89.5
TCRC121	75	RC	WGS84_35S	562178	8744061	1230.65	0	-90
TCRC122	80	RC	WGS84_35S	562306	8744121	1232.9	0	-90
TCRC123	79	RC	WGS84_35S	562228	8744112	1231.4	0	-90
TCRC124	75	RC	WGS84_35S	562132	8744210	1229.2001	0	-90
TCRC125	52	RC	WGS84_35S	562133	8744362	1228.4	0	-90
TCRC126	80	RC	WGS84_35S	562283	8744526	1230.7001	0	-90
TCRC127	60	RC	WGS84_35S	562243	8744525	1231.09	0	-90
TCRC128	40	RC	WGS84_35S	562163	8744526	1228.75	0	-90
TCRC129	46	RC	WGS84_35S	562083	8744526	1227.99	0	-90
TCRC130	82	RC	WGS84_35S	562401	8744162	1230.9	270	-60
TCRC131	86	RC	WGS84_35S	562182	8744021	1231.64	270	-60
TCRC132	93	RC	WGS84_35S	562284	8744221	1230.7001	270	-60
TCRC133	70	RC	WGS84_35S	562360	8744162	1233.4	270	-60
TCRC134	64	RC	WGS84_35S	562320	8744161	1232.7001	270	-60
TCRC135	74	RC	WGS84_35S	562278	8744152	1230.9	270	-60
TCRC136	69	RC	WGS84_35S	562237	8744141	1231.7001	270	-60
TCRC137	70	RC	WGS84_35S	562193	8744064	1231.4	270	-60
TCRC138	71	RC	WGS84_35S	562276	8744026	1231.3	270	-60
TCRC139	58	RC	WGS84_35S	562277	8743940	1212.6001	132	-50
TCRC140	69	RC	WGS84_35S	562265	8743946	1213.87	270	-50
TCRC141	130	RC	WGS84_35S	562544	8744344	1237.0601	270	-60
TCRC142	100	RC	WGS84_35S	562339.1	8744016.9	1227.4	0	-90
TCRC143	101	RC	WGS84_35S	562286.7	8744016.9	1227.6001	0	-90
TCRC144	120	RC	WGS84_35S	562313.4	8744017.3	1227.4	0	-90
TCRC145	61	RC	WGS84_35S	562297.9	8744530.5	1230.4	270	-60
TCRC146	100	RC	WGS84_35S	562223.2	8744523.5	1229.4	270	-60
TCRC147	140	RC	WGS84_35S	562172.7	8744525.4	1228	270	-60
TCRC148	120	RC	WGS84_35S	562122.1	8744522.9	1228.25	270	-60
TCRC149	61	RC	WGS84_35S	562072.8	8744520.7	1226.8	270	-60

TCRC150	53	RC	WGS84_35S	562353.4	8744536.4	1231.4	270	-60
TFDM001	129.60001	DD	WGS84_35S	561935.3	8744855.2	1219.78	90	-65
KPAC076	51	AC	WGS84_35S	562668	8743884	1242.0699	0	-90
KPAC077	60	AC	WGS84_35S	562618	8743876	1241.9301	0	-90
KPAC078	65	AC	WGS84_35S	562593	8743876	1241.65	0	-90
KPAC079	50	AC	WGS84_35S	562568	8743878	1241.59	0	-90
KPAC080	40	AC	WGS84_35S	562543	8743870	1241.62	0	-90
KPAC081	39	AC	WGS84_35S	562733	8743848	1242.12	0	-90
KPAC082	50	AC	WGS84_35S	562783	8743844	1242.42	0	-90
KPAC083	28	AC	WGS84_35S	562758	8743848	1242.47	0	-90
KPAC084	42	AC	WGS84_35S	562733	8743836	1241.79	0	-90
KPAC085	49	AC	WGS84_35S	562708	8743836	1241.66	0	-90
KPAC086	60	AC	WGS84_35S	562683	8743832	1241.79	0	-90
KPAC087	40	AC	WGS84_35S	562658	8743830	1241.59	0	-90
KPAC088	40	AC	WGS84_35S	562894.6	8743812.5	1242.5	0	-90
KPAC089	36	AC	WGS84_35S	562870	8743809	1242.2001	0	-90
KPAC090	51	AC	WGS84_35S	562846.6	8743806.9	1242.1001	0	-90
KPAC091	45	AC	WGS84_35S	562785.3	8743800.9	1241.9	0	-90
KPAC092	51	AC	WGS84_35S	562760.4	8743798	1241.8	0	-90
KPAC093	50	AC	WGS84_35S	562735.9	8743794.8	1241.4	0	-90
KPAC094	30	AC	WGS84_35S	562709.5	8743792.7	1241.3	0	-90
KPAC095	45	AC	WGS84_35S	562691	8743806	1241.59	0	-90
KPAC096	56	AC	WGS84_35S	562666	8743784	1241.13	0	-90
KPAC097	53	AC	WGS84_35S	562641	8743786	1240.9	0	-90
KPAC098	50	AC	WGS84_35S	562616	8743778	1240.71	0	-90
KPAC099	51	AC	WGS84_35S	562591	8743780	1240.54	0	-90
KPAC100	45	AC	WGS84_35S	562566	8743780	1240.46	0	-90
KPAC101	32	AC	WGS84_35S	563080	8743784	1242.6801	0	-90
KPAC102	39	AC	WGS84_35S	563055	8743778	1242.47	0	-90
KPAC103	39	AC	WGS84_35S	563030	8743782	1242.99	0	-90
KPAC104	48	AC	WGS84_35S	562955	8743774	1240.72	0	-90
KPAC105	70	AC	WGS84_35S	562955	8743774	1240.72	0	-90
KPAC106	38	AC	WGS84_35S	562930	8743774	1242.52	0	-90
KPAC107	51	AC	WGS84_35S	562905	8743762	1242.25	0	-90
KPAC108	59	AC	WGS84_35S	562880	8743754	1242.27	0	-90
KPAC109	47	AC	WGS84_35S	562856.7	8743759.1	1241.9	0	-90
KPAC110	63	AC	WGS84_35S	562832.5	8743754.2	1241.7001	0	-90
KPAC111	45	AC	WGS84_35S	562806.8	8743754.1	1241.5	0	-90
KPAC112	62	AC	WGS84_35S	562782.1	8743749.3	1241.4	0	-90
KPAC113	18	AC	WGS84_35S	562757.1	8743746.6	1241.2001	0	-90
KPAC114	50	AC	WGS84_35S	562732.1	8743745.4	1241.1001	0	-90
KPAC115	21	AC	WGS84_35S	562705.2	8743751.8	1240.9	0	-90
KPAC116	50	AC	WGS84_35S	562681.8	8743740.2	1240.7001	0	-90
KPAC117	57	AC	WGS84_35S	562657	8743737.1	1240.4	0	-90
KPAC118	48	AC	WGS84_35S	562632.1	8743730.8	1240.6001	0	-90
KPAC119	60	AC	WGS84_35S	562606.3	8743723.5	1240.3	0	-90
KPAC120	45	AC	WGS84_35S	562580	8743756	1240.74	0	-90
KPAC121	35	AC	WGS84_35S	562530	8743757	1240.15	0	-90
KPAC122	44	AC	WGS84_35S	563124	8743744	1242.41	0	-90
KPAC123	45	AC	WGS84_35S	563099	8743740	1242.54	0	-90
KPAC124	50	AC	WGS84_35S	563074	8743728	1242.5601	0	-90
KPAC125	43	AC	WGS84_35S	563024	8743732	1242.35	0	-90
KPAC126	48	AC	WGS84_35S	562999	8743734	1242.4	0	-90
KPAC127	26	AC	WGS84_35S	562974	8743726	1242.13	0	-90
KPAC128	36	AC	WGS84_35S	562949	8743726	1242.11	0	-90
KPAC129	65	AC	WGS84_35S	562924	8743722.9	1242	0	-90
KPAC130	76	AC	WGS84_35S	562900.2	8743715.8	1241.9	0	-90
KPAC131	61	AC	WGS84_35S	562875.5	8743714.2	1241.7001	0	-90
KPAC132	59	AC	WGS84_35S	562848.9	8743716.7	1241.5	0	-90
KPAC133	55	AC	WGS84_35S	562826	8743706.3	1241.4	0	-90
KPAC134	51	AC	WGS84_35S	562800.4	8743704.4	1241.2001	0	-90
KPAC135	51	AC	WGS84_35S	562775.4	8743701.5	1241.1001	0	-90
KPAC136	45	AC	WGS84_35S	562750	8743698	1240.8	0	-90

KPAC137	14 AC	WGS84_35S	562724.1	8743695.9	1240.8	0	-90
KPAC138	38 AC	WGS84_35S	562700.7	8743693.5	1240.6001	0	-90
KPAC139	53 AC	WGS84_35S	562674	8743720	1240.8199	0	-90
KPAC140	40 AC	WGS84_35S	562649	8743720	1240.63	0	-90
KPAC141	18 AC	WGS84_35S	562624	8743718	1240.63	0	-90
KPAC142	12 AC	WGS84_35S	562599	8743719	1240.4	0	-90
KPAC143	21 AC	WGS84_35S	562574	8743719	1240.12	0	-90
KPAC144	21 AC	WGS84_35S	563155.5	8743692.7	1242.2001	0	-90
KPAC145	58 AC	WGS84_35S	563127	8743694	1242.24	0	-90
KPAC146	57 AC	WGS84_35S	563101.8	8743689.8	1242.2001	0	-90
KPAC147	41 AC	WGS84_35S	563053.4	8743686.1	1242.1001	0	-90
KPAC148	72 AC	WGS84_35S	563027.7	8743683.9	1242	0	-90
KPAC149	42 AC	WGS84_35S	563003.1	8743682.5	1242.2001	0	-90
KPAC150	42 AC	WGS84_35S	562977.8	8743681.7	1241.9	0	-90
KPAC151	48 AC	WGS84_35S	562952.9	8743678.9	1241.9	0	-90
KPAC152	59 AC	WGS84_35S	562926	8743675.7	1242	0	-90
KPAC153	48 AC	WGS84_35S	562902.4	8743675.9	1241.7001	0	-90
KPAC154	41 AC	WGS84_35S	562876.5	8743674.5	1241.5	0	-90
KPAC155	45 AC	WGS84_35S	562826.6	8743670.9	1241.2001	0	-90
KPAC156	17 AC	WGS84_35S	562826.6	8743671.1	1241.2001	0	-90
KPAC157	11 AC	WGS84_35S	562803.4	8743669.8	1241.3	0	-90
KPAC158	35 AC	WGS84_35S	562775	8743688	1241.46	0	-90
KPAC159	39 AC	WGS84_35S	562750	8743690	1241.5	0	-90
KPAC160	50 AC	WGS84_35S	562724	8743690	1241.11	0	-90
KPAC161	53 AC	WGS84_35S	562700	8743688	1241.03	0	-90
KPAC162	42 AC	WGS84_35S	562675	8743692	1240.6801	0	-90
KPAC163	39 AC	WGS84_35S	562648	8743690	1240.41	0	-90
KPAC164	39 AC	WGS84_35S	562624	8743688	1240.29	0	-90
KPAC165	39 AC	WGS84_35S	562600	8743690	1240.1801	0	-90
KPAC166	20 AC	WGS84_35S	562575	8743690	1240.2869	0	-90
KPAC167	20 AC	WGS84_35S	562550	8743690	1239.8	0	-90
KPAC168	60 AC	WGS84_35S	563183.7	8743644.1	1242.3	0	-90
KPAC169	64 AC	WGS84_35S	563143.8	8743640.8	1243.1001	0	-90
KPAC170	50 AC	WGS84_35S	563107.3	8743638.3	1242.2001	0	-90
KPAC171	60 AC	WGS84_35S	563083.2	8743638.5	1242.1001	0	-90
KPAC172	54 AC	WGS84_35S	563054.4	8743638.1	1241.9	0	-90
KPAC173	46 AC	WGS84_35S	563032.5	8743637.6	1242	0	-90
KPAC174	48 AC	WGS84_35S	563007.1	8743634.3	1241.8	0	-90
KPAC175	40 AC	WGS84_35S	562981.3	8743632.4	1241.8	0	-90
KPAC176	44 AC	WGS84_35S	562957	8743630.7	1241.7001	0	-90
KPAC177	23 AC	WGS84_35S	562928.8	8743631.2	1241.6001	0	-90
KPAC178	15 AC	WGS84_35S	562904.8	8743626.9	1241.8	0	-90
KPAC179	30 AC	WGS84_35S	562881	8743627.7	1241.4	0	-90
KPAC180	39 AC	WGS84_35S	562894	8743642	1241.98	0	-90
KPAC181	36 AC	WGS84_35S	562819	8743644	1241.63	0	-90
KPAC182	39 AC	WGS84_35S	562794	8743642	1242.02	0	-90
KPAC183	37 AC	WGS84_35S	562769	8743642	1241.25	0	-90
KPAC184	26 AC	WGS84_35S	562744	8743642	1241.09	0	-90
KPAC185	49 AC	WGS84_35S	562719	8743642	1241.62	0	-90
KPAC186	48 AC	WGS84_35S	562694	8743642	1241.0601	0	-90
KPAC187	30 AC	WGS84_35S	562669	8743642	1240.83	0	-90
KPAC188	36 AC	WGS84_35S	562644	8743644	1240.52	0	-90
KPAC189	44 AC	WGS84_35S	562619	8743642	1240.35	0	-90
KPAC190	46 AC	WGS84_35S	562594	8743642	1240.14	0	-90
KPAC191	14 AC	WGS84_35S	562569	8743642	1239.8101	0	-90
KPAC192	66 AC	WGS84_35S	562544	8743642	1239.46	0	-90
KPAC193	60 AC	WGS84_35S	562519	8743642	1239.26	0	-90
KPAC194	36 AC	WGS84_35S	562494	8743642	1240.6801	0	-90
KPAC195	60 AC	WGS84_35S	563208.3	8743645.4	1242.3	0	-90
KPAC196	30 AC	WGS84_35S	563234	8743644	1242.71	0	-90
KPAC197	45 AC	WGS84_35S	563259	8743644	1242.89	0	-90
KPAC198	30 AC	WGS84_35S	563284	8743644	1242.91	0	-90
KPAC199	30 AC	WGS84_35S	563309	8743644	1242.91	0	-90

KPAC200	45 AC	WGS84_35S	563311.7	8743603.3	1243.1001	0	-90
KPAC201	60 AC	WGS84_35S	563286.9	8743599.7	1243	0	-90
KPAC202	69 AC	WGS84_35S	563262.8	8743599.4	1242.9	0	-90
KPAC203	36 AC	WGS84_35S	563236.9	8743597.6	1242.8	0	-90
KPAC204	60 AC	WGS84_35S	563212.1	8743599.7	1242.6001	0	-90
KPAC205	46 AC	WGS84_35S	563187.3	8743594.9	1242.5	0	-90
KPAC206	47 AC	WGS84_35S	563161.3	8743592	1242.4	0	-90
KPAC207	48 AC	WGS84_35S	563136.1	8743591.4	1242.3	0	-90
KPAC208	51 AC	WGS84_35S	563110.7	8743588.9	1242.2001	0	-90
KPAC209	57 AC	WGS84_35S	563085.2	8743586.7	1242.1001	0	-90
KPAC210	54 AC	WGS84_35S	563060.5	8743583.7	1242	0	-90
KPAC211	41 AC	WGS84_35S	563035.9	8743582.6	1242.1001	0	-90
KPAC212	27 AC	WGS84_35S	563009.8	8743581.2	1241.9	0	-90
KPAC213	35 AC	WGS84_35S	562985.1	8743580	1241.9	0	-90
KPAC214	45 AC	WGS84_35S	562960.8	8743578.4	1241.8	0	-90
KPAC215	51 AC	WGS84_35S	562939.5	8743577	1241.8	0	-90
KPAC216	46 AC	WGS84_35S	562910.3	8743576.5	1241.7001	0	-90
KPAC217	23 AC	WGS84_35S	562884	8743600	1242.4399	0	-90
KPAC218	40 AC	WGS84_35S	562859	8743600	1241.92	0	-90
KPAC219	33 AC	WGS84_35S	562834	8743600	1241.5	0	-90
KPAC220	45 AC	WGS84_35S	562809	8743600	1241.33	0	-90
KPAC221	41 AC	WGS84_35S	562784	8743600	1241.37	0	-90
KPAC222	37 AC	WGS84_35S	562759	8743600	1241.3101	0	-90
KPAC223	40 AC	WGS84_35S	562734	8743600	1241.47	0	-90
KPAC224	45 AC	WGS84_35S	562709	8743600	1241.01	0	-90
KPAC225	36 AC	WGS84_35S	562659	8743600	1241.11	0	-90
KPAC226	33 AC	WGS84_35S	563189.7	8743543.9	1242.7001	0	-90
KPAC227	49 AC	WGS84_35S	563166.5	8743541.6	1242.8	0	-90
KPAC228	26 AC	WGS84_35S	563140.4	8743541	1242.5	0	-90
KPAC229	24 AC	WGS84_35S	563115.4	8743538.1	1242.4	0	-90
KPAC230	38 AC	WGS84_35S	563090.7	8743536.4	1242.3	0	-90
KPAC231	32 AC	WGS84_35S	563065.6	8743535.8	1242.3	0	-90
KPAC232	42 AC	WGS84_35S	563034	8743544	1242.5699	0	-90
KPAC233	42 AC	WGS84_35S	563009	8743544	1243.15	0	-90
KPAC234	47 AC	WGS84_35S	562984	8743544	1242.4399	0	-90
KPAC235	45 AC	WGS84_35S	562934	8743544	1242.25	0	-90
KPAC236	46 AC	WGS84_35S	562884	8743544	1242.28	0	-90
KPAC237	41 AC	WGS84_35S	562834	8743544	1241.9399	0	-90
KPAC238	45 AC	WGS84_35S	563213.6	8743547	1242.9	0	-90
KPAC239	52 AC	WGS84_35S	563275.8	8743493.8	1243.5	0	-90
KPAC240	45 AC	WGS84_35S	563252.3	8743492.7	1243.3	0	-90
KPAC241	64 AC	WGS84_35S	563227.7	8743491.7	1242.9	0	-90
KPAC242	40 AC	WGS84_35S	563202.7	8743490.4	1242.9	0	-90
KPAC243	54 AC	WGS84_35S	563177.4	8743489	1242.9	0	-90
KPAC244	58 AC	WGS84_35S	563152.2	8743485.3	1243	0	-90
KPAC245	59 AC	WGS84_35S	563127.3	8743483.3	1242.5	0	-90
KPAC246	42 AC	WGS84_35S	563097	8743496	1242.85	0	-90
KPAC247	48 AC	WGS84_35S	563047	8743496	1242.85	0	-90
KPAC248	51 AC	WGS84_35S	562997	8743496	1242.74	0	-90
KPAC249	39 AC	WGS84_35S	562947	8743496	1242.75	0	-90
KPAC250	41 AC	WGS84_35S	563222	8743446	1243.73	0	-90
KPAC251	51 AC	WGS84_35S	563197	8743446	1243.3101	0	-90
KPAC252	47 AC	WGS84_35S	563172	8743446	1243	0	-90
KPAC253	38 AC	WGS84_35S	562897	8743496	1242.67	0	-90
KPAC254	43 AC	WGS84_35S	562847	8743496	1242.36	0	-90
KPAC255	36 AC	WGS84_35S	563147	8743446	1243.27	0	-90
KPAC256	45 AC	WGS84_35S	563097	8743446	1242.9301	0	-90
KPAC257	42 AC	WGS84_35S	563072	8743446	1242.87	0	-90
KPAC258	33 AC	WGS84_35S	563297	8743381	1244.3	0	-90
KPAC259	23 AC	WGS84_35S	563272	8743381	1243.87	0	-90
KPAC260	33 AC	WGS84_35S	563247	8743381	1243.67	0	-90
KPAC261	30 AC	WGS84_35S	563197	8743381	1243.61	0	-90
KPAC262	30 AC	WGS84_35S	563147	8743381	1243.21	0	-90

KPAC263	48	AC	WGS84_35S	563097	8743381	1245.08	0	-90
KPAC264	47	AC	WGS84_35S	563047	8743381	1244.12	0	-90
KPAC265	45	AC	WGS84_35S	562997	8743381	1243.15	0	-90
KPAC266	52	AC	WGS84_35S	562947	8743381	1242.98	0	-90
KPAC267	55	AC	WGS84_35S	562897	8743381	1242.72	0	-90
KPAC268	51	AC	WGS84_35S	562847	8743381	1242.34	0	-90
KPAC269	51	AC	WGS84_35S	562797	8743381	1242.1899	0	-90
KPAC270	39	AC	WGS84_35S	562747	8743381	1241.91	0	-90
KPAC271	32	AC	WGS84_35S	562697	8743381	1241.5601	0	-90
KPAC272	36	AC	WGS84_35S	562647	8743381	1240.58	0	-90
KPAC273	48	AC	WGS84_35S	562597	8743381	1240.02	0	-90
KPAC274	47	AC	WGS84_35S	563272	8743316	1243.73	0	-90
KPAC275	52	AC	WGS84_35S	563247	8743316	1243.85	0	-90
KPAC276	44	AC	WGS84_35S	563197	8743316	1243.6801	0	-90
KPAC277	48	AC	WGS84_35S	563147	8743316	1244.28	0	-90
KPAC278	56	AC	WGS84_35S	563097	8743316	1243.36	0	-90
KPAC279	58	AC	WGS84_35S	563047	8743316	1243.02	0	-90
KPAC280	42	AC	WGS84_35S	562997	8743316	1243.2	0	-90
KPAC281	30	AC	WGS84_35S	562947	8743316	1242.9399	0	-90
KPAC282	51	AC	WGS84_35S	562897	8743316	1242.77	0	-90
KPAC283	27	AC	WGS84_35S	562847	8743316	1242.6	0	-90
KPAC284	24	AC	WGS84_35S	562797	8743316	1242.26	0	-90
KPAC285	21	AC	WGS84_35S	562747	8743316	1241.98	0	-90
KPAC286	22	AC	WGS84_35S	562697	8743244	1242.01	0	-90
KPAC287	32	AC	WGS84_35S	563390	8743244	1243.41	0	-90
KPAC288	33	AC	WGS84_35S	563365	8743244	1243.39	0	-90
KPAC289	48	AC	WGS84_35S	563340	8743244	1243.29	0	-90
KPAC290	44	AC	WGS84_35S	563315	8743244	1243.46	0	-90
KPAC291	51	AC	WGS84_35S	563290	8743244	1245.54	0	-90
KPAC292	33	AC	WGS84_35S	563265	8743244	1243.83	0	-90
KPAC293	39	AC	WGS84_35S	563240	8743244	1243.91	0	-90
KPAC294	37	AC	WGS84_35S	563190	8743244	1243.37	0	-90
KPAC295	45	AC	WGS84_35S	563140	8743244	1243.6899	0	-90
KPAC296	51	AC	WGS84_35S	563090	8743244	1243.53	0	-90
KPAC297	51	AC	WGS84_35S	563040	8743244	1243.24	0	-90
KPAC298	27	AC	WGS84_35S	562990	8743244	1243.33	0	-90
KPAC299	49	AC	WGS84_35S	562940	8743244	1243.28	0	-90
KPAC300	27	AC	WGS84_35S	562890	8743244	1243.62	0	-90
KPAC301	25	AC	WGS84_35S	562840	8743244	1242.98	0	-90
KPAC302	39	AC	WGS84_35S	563530	8743194	1241.7	0	-90
KPAC303	46	AC	WGS84_35S	563490	8743194	1241.99	0	-90
KPAC304	51	AC	WGS84_35S	563465	8743194	1242.29	0	-90
KPAC305	51	AC	WGS84_35S	563440	8743194	1242.47	0	-90
KPAC306	53	AC	WGS84_35S	563415	8743194	1242.71	0	-90
KPAC307	52	AC	WGS84_35S	563390	8743194	1242.9	0	-90
KPAC308	54	AC	WGS84_35S	563340	8743194	1242.97	0	-90
KPAC309	51	AC	WGS84_35S	563290	8743194	1243.33	0	-90
KPAC310	48	AC	WGS84_35S	563240	8743194	1244.04	0	-90
KPAC311	54	AC	WGS84_35S	563555	8743194	1241.04	0	-90
KPAC312	51	AC	WGS84_35S	563190	8743194	1244	0	-90
KPAC313	55	AC	WGS84_35S	563140	8743194	1243.63	0	-90
KPAC314	58	AC	WGS84_35S	563465	8743144	1241.97	0	-90
KPAC315	63	AC	WGS84_35S	563440	8743144	1242.48	0	-90
KPAC316	46	AC	WGS84_35S	563490	8743144	1241.64	0	-90
KPAC317	54	AC	WGS84_35S	563515	8743144	1241.42	0	-90
KPAC318	51	AC	WGS84_35S	563540	8743144	1241.11	0	-90
KPAC319	51	AC	WGS84_35S	563565	8743144	1240.67	0	-90
KPAC320	48	AC	WGS84_35S	563590	8743144	1240.95	0	-90
KPAC321	54	AC	WGS84_35S	563615	8743144	1240.34	0	-90
KPAC322	39	AC	WGS84_35S	563636	8743144	1240	0	-90
KPAC323	54	AC	WGS84_35S	563570	8743094	1240.8	0	-90
KPAC324	54	AC	WGS84_35S	563545	8743094	1241.1899	0	-90
KPAC325	51	AC	WGS84_35S	563580	8743194	1240.6899	0	-90

KPAC326	42 AC	WGS84_35S	563605	8743194	1240.7	0	-90
KPAC327	22 AC	WGS84_35S	562453	8744646	1232.91	0	-90
KPAC328	30 AC	WGS84_35S	562503	8744646	1233.39	0	-90
KPAC329	36 AC	WGS84_35S	562553	8744646	1233.87	0	-90
KPAC330	39 AC	WGS84_35S	562603	8744646	1234.54	0	-90
KPAC331	45 AC	WGS84_35S	562653	8744646	1234.79	0	-90
KPAC332	38 AC	WGS84_35S	562703	8744646	1235.08	0	-90
KPAC333	35 AC	WGS84_35S	562753	8744646	1235.39	0	-90
KPAC334	27 AC	WGS84_35S	562803	8744646	1235.47	0	-90
KPAC335	45 AC	WGS84_35S	562853	8744646	1235.0601	0	-90
KPAC336	45 AC	WGS84_35S	562903	8744646	1234.92	0	-90
KPAC337	45 AC	WGS84_35S	562953	8744646	1234.91	0	-90
KPAC338	32 AC	WGS84_35S	563003	8744646	1234.95	0	-90
KPAC339	45 AC	WGS84_35S	563053	8744646	1235.49	0	-90
KPAC340	42 AC	WGS84_35S	563103	8744646	1234.92	0	-90
KPAC341	45 AC	WGS84_35S	563153	8744646	1234.91	0	-90
KPAC342	39 AC	WGS84_35S	563203	8744646	1234.9301	0	-90
KPAC343	45 AC	WGS84_35S	563253	8744646	1234.78	0	-90
KPAC344	45 AC	WGS84_35S	563303	8744646	1234.59	0	-90
KPAC345	45 AC	WGS84_35S	563353	8744646	1234.4301	0	-90
KPAC346	45 AC	WGS84_35S	563403	8744646	1234.29	0	-90
KPAC347	45 AC	WGS84_35S	563453	8744646	1234.08	0	-90
KPAC348	45 AC	WGS84_35S	563503	8744646	1233.83	0	-90
KPAC349	36 AC	WGS84_35S	562554	8744852	1231.73	0	-90
KPAC350	45 AC	WGS84_35S	562604	8744852	1231.7	0	-90
KPAC351	45 AC	WGS84_35S	562654	8744852	1232.4399	0	-90
KPAC352	45 AC	WGS84_35S	562704	8744852	1232.16	0	-90
KPAC353	43 AC	WGS84_35S	562754	8744852	1232.4301	0	-90
KPAC354	45 AC	WGS84_35S	562804	8744852	1232.74	0	-90
KPAC355	34 AC	WGS84_35S	562854	8744852	1232.79	0	-90
KPAC356	45 AC	WGS84_35S	562904	8744852	1233.08	0	-90
KPAC357	39 AC	WGS84_35S	562954	8744852	1233.48	0	-90
KPAC358	45 AC	WGS84_35S	563004	8744852	1233.14	0	-90
KPAC359	44 AC	WGS84_35S	563054	8744852	1233.29	0	-90
KPAC360	48 AC	WGS84_35S	563104	8744852	1233.5	0	-90
KPAC361	45 AC	WGS84_35S	563154	8744852	1233.58	0	-90
KPAC362	48 AC	WGS84_35S	563204	8744852	1233.3101	0	-90
KPAC363	44 AC	WGS84_35S	563254	8744852	1233.64	0	-90
KPAC364	45 AC	WGS84_35S	563304	8744852	1232.97	0	-90
KPAC365	45 AC	WGS84_35S	563354	8744852	1232.87	0	-90
KPAC366	45 AC	WGS84_35S	563404	8744852	1233.01	0	-90
KPAC367	48 AC	WGS84_35S	563454	8744852	1232.84	0	-90
KPAC368	45 AC	WGS84_35S	563504	8744852	1232.34	0	-90
KPAC369	45 AC	WGS84_35S	562401	8745044	1229.52	0	-90
KPAC370	20 AC	WGS84_35S	562451	8745044	1229.78	0	-90
KPAC371	45 AC	WGS84_35S	562501	8745044	1229.99	0	-90
KPAC372	45 AC	WGS84_35S	562551	8745044	1230.1801	0	-90
KPAC373	41 AC	WGS84_35S	562601	8745044	1230.36	0	-90
KPAC374	35 AC	WGS84_35S	562651	8745044	1230.58	0	-90
KPAC375	32 AC	WGS84_35S	562701	8745044	1230.9399	0	-90
KPAC376	39 AC	WGS84_35S	562751	8745044	1231.09	0	-90
KPAC377	41 AC	WGS84_35S	562801	8745044	1231.26	0	-90
KPAC378	41 AC	WGS84_35S	562851	8745044	1231.35	0	-90
KPAC379	48 AC	WGS84_35S	562901	8745044	1231.38	0	-90
KPAC380	45 AC	WGS84_35S	562951	8745044	1231.49	0	-90
KPAC381	48 AC	WGS84_35S	563001	8745044	1231.74	0	-90
KPAC382	45 AC	WGS84_35S	563051	8745044	1231.49	0	-90
KPAC383	36 AC	WGS84_35S	563101	8745044	1231.5601	0	-90
KPAC384	48 AC	WGS84_35S	563151	8745044	1231.62	0	-90
KPAC385	39 AC	WGS84_35S	563201	8745044	1231.88	0	-90
KPAC386	48 AC	WGS84_35S	563251	8745044	1231.46	0	-90
KPAC387	48 AC	WGS84_35S	563301	8745044	1231.59	0	-90
KPAC388	48 AC	WGS84_35S	563351	8745044	1231.13	0	-90

KPAC389	45	AC	WGS84_35S	563401	8745044	1231.09	0	-90
KPAC390	48	AC	WGS84_35S	563451	8745044	1230.78	0	-90
KPAC391	36	AC	WGS84_35S	562351	8745044	1229.3	0	-90
KPAC392	36	AC	WGS84_35S	562301	8745044	1229.17	0	-90
KPAC393	32	AC	WGS84_35S	562251	8745044	1228.75	0	-90
KPAC394	51	AC	WGS84_35S	562201	8745044	1228.95	0	-90
KPAC395	38	AC	WGS84_35S	562151	8745044	1228.12	0	-90
KPAC396	33	AC	WGS84_35S	562101	8745044	1227.71	0	-90
KPDH001	180.3	DD	WGS84_35S	562800.6	8743852.6	1242.4301	200	-60
KPDH002	271.70001	DD	WGS84_35S	563185.7	8743724.7	1242.53	200	-60
KPDH003	111.6	DD	WGS84_35S	562976	8743720	1242.34	200	-60
KPRC001	130	RC	WGS84_35S	563125.9	8743691.6	1242.3101	225	-60
KPRC002	58	RC	WGS84_35S	563134.8	8743640.4	1242.33	185	-60
KPRC003	150	RC	WGS84_35S	562890.2	8743821.9	1242.4	220	-60
KPRC004	106	RC	WGS84_35S	562883.4	8743752	1242.1001	200	-60
KPRC005	150	RC	WGS84_35S	562866.6	8743705.7	1242	200	-60
KPRC006	117	RC	WGS84_35S	562851.1	8743656.8	1241.4	200	-60
KPRC007	150	RC	WGS84_35S	562995.3	8743792.5	1242.2001	200	-60
KPRC008	116	RC	WGS84_35S	562981.1	8743734	1242	200	-60
KPRC009	81	RC	WGS84_35S	562969.2	8743684.5	1241.7001	200	-60
KPRC010	100	RC	WGS84_35S	562959.8	8743651.1	1241.8	200	-60
KPRC011	86	RC	WGS84_35S	562946.4	8743612.1	1241.5	200	-60
KPRC012	111	RC	WGS84_35S	563091.7	8743757.4	1242.2001	200	-60
KPRC013	121	RC	WGS84_35S	563076.8	8743710.3	1240.05	200	-60
KPRC014	150	RC	WGS84_35S	563064.7	8743661	1242	200	-60
KPRC015	100	RC	WGS84_35S	563046.1	8743604.2	1241.9	200	-60
KPRC016	86	RC	WGS84_35S	563179.1	8743705.8	1242.2001	200	-60
KPRC017	101	RC	WGS84_35S	563164	8743658.4	1242	200	-60
KPRC018	120	RC	WGS84_35S	563153.9	8743625.6	1242.1001	200	-60
KPRC019	120	RC	WGS84_35S	563137.8	8743577.9	1242.3	200	-60
KPRC020	80	RC	WGS84_35S	563123	8743530.4	1242.4	200	-60
KPRC021	150	RC	WGS84_35S	563277.7	8743670	1242.3	200	-60
KPRC022	130	RC	WGS84_35S	563261.7	8743612.7	1242.7001	200	-60
KPRC023	80	RC	WGS84_35S	562609.6	8743934	1241.8	200	-60
KPRC024	80	RC	WGS84_35S	562592.4	8743886.3	1241.4	200	-60
KPRC025	86	RC	WGS84_35S	562577.4	8743839	1241	200	-60
KPRC026	150	RC	WGS84_35S	562684.2	8743834.7	1241.4	200	-60
KPRC027	100	RC	WGS84_35S	562666.6	8743765.4	1240.8	200	-60
KPRC028	86	RC	WGS84_35S	562653.5	8743725.8	1240.5	200	-60
KPRC029	120	RC	WGS84_35S	562701.6	8743883	1242.3	200	-60
KPRC030	140	RC	WGS84_35S	562807.7	8743875.6	1242.5	200	-60
KPRC031	120	RC	WGS84_35S	562792.8	8743828.5	1241.9	200	-60
KPRC032	133	RC	WGS84_35S	562776.5	8743779.3	1241.5	200	-60
KPRC033	100	RC	WGS84_35S	562760.3	8743730.8	1241.3	200	-60
KPRC034	120	RC	WGS84_35S	563248.3	8743565	1243	200	-60
KPRC035	110	RC	WGS84_35S	563236.1	8743511.4	1243.3	200	-60
KPRC036	140	RC	WGS84_35S	563235.5	8743693.3	1242.1001	200	-60
KPRC037	140	RC	WGS84_35S	563221.7	8743645.4	1242.3	200	-60
KPRC038	107	RC	WGS84_35S	563193.5	8743580.4	1242.4	200	-60
KPRC039	100	RC	WGS84_35S	563180.5	8743541.1	1242.6001	200	-60
KPRC040	126	RC	WGS84_35S	563136.5	8743733.4	1242.3	200	-60
KPRC041	140	RC	WGS84_35S	563118.9	8743653.8	1242.3	200	-60
KPRC042	100	RC	WGS84_35S	563101.4	8743617.6	1242	200	-60
KPRC043	105	RC	WGS84_35S	563089.8	8743579	1242.1001	200	-60
KPRC044	120	RC	WGS84_35S	563054.1	8743797.8	1242.4	200	-60
KPRC045	100	RC	WGS84_35S	563035.8	8743750.8	1242.1001	200	-60
KPRC046	97	RC	WGS84_35S	563027.1	8743711	1242	200	-60
KPRC047	100	RC	WGS84_35S	563014.4	8743672	1241.8	200	-60
KPRC048	89	RC	WGS84_35S	563005.1	8743632.2	1241.8	200	-60
KPRC049	89	RC	WGS84_35S	562909	8743672.8	1241.6001	200	-60
KPRC050	120	RC	WGS84_35S	562642.4	8743854.6	1241.4	200	-60
KPRC051	120	RC	WGS84_35S	562627.5	8743808.6	1240.9	200	-60
KPRC052	120	RC	WGS84_35S	562614.8	8743759.7	1240.5	200	-60

KPRC053	100	RC	WGS84_35S	562656.4	8743902	1242	200	-60
KPRC054	140	RC	WGS84_35S	562753.3	8743878.6	1242.2001	200	-60
KPRC055	140	RC	WGS84_35S	562735.9	8743810.7	1241.4	200	-60
KPRC056	110	RC	WGS84_35S	562721.4	8743761.9	1241	200	-60
KPRC057	90	RC	WGS84_35S	562714.2	8743731.8	1241.4	200	-60
KPRC058	140	RC	WGS84_35S	562852.4	8743845.6	1242.3	200	-60
KPRC059	120	RC	WGS84_35S	562834.2	8743788.3	1241.9	200	-60
KPRC060	85	RC	WGS84_35S	562822.2	8743738.8	1241.7001	200	-60
KPRC061	101	RC	WGS84_35S	562806.1	8743690.5	1241.3	200	-60
KPRC062	81	RC	WGS84_35S	562952.2	8743848.7	1242.5	200	-60
KPRC063	140	RC	WGS84_35S	562943.7	8743812.6	1242.4	200	-60
KPRC064	180	RC	WGS84_35S	562929.8	8743749.4	1242	200	-60
KPRC065	100	RC	WGS84_35S	562918.7	8743711.9	1241.9	200	-60
KPRC066	59	RC	WGS84_35S	562897.1	8743634.4	1241.6001	200	-60
KPRC067	85	RC	WGS84_35S	562562	8743788	1240.96	200	-60
KPRC068	80	RC	WGS84_35S	562544	8743742	1240.12	200	-60
KPRC069	100	RC	WGS84_35S	562531	8743702	1239.73	200	-60
KPRC070	100	RC	WGS84_35S	562693	8743702	1240.9301	200	-60
KPRC071	57	RC	WGS84_35S	562740	8743690	1241.54	200	-60
KPRC072	57	RC	WGS84_35S	562788	8743650	1242.4399	200	-60
KPRC073	80	RC	WGS84_35S	562986	8743590	1242.21	200	-60
KPRC074	80	RC	WGS84_35S	563039	8743542	1242.59	200	-60
KPRC075	80	RC	WGS84_35S	563080	8743544	1242.58	200	-60
KPRC076	80	RC	WGS84_35S	563170	8743502	1243.3101	200	-60
KPRC077	80	RC	WGS84_35S	563216	8743380	1243.91	200	-60
KVAC001	70	AC	WGS84_35S	563643	8742290	1249.38	0	-90
KVAC002	50	AC	WGS84_35S	563546	8742298	1250.4399	0	-90
KVAC003	50	AC	WGS84_35S	563446	8742298	1251.77	0	-90
KVAC004	50	AC	WGS84_35S	563339	8742300	1252.88	0	-90
KVAC005	50	AC	WGS84_35S	563243	8742296	1253.88	0	-90
KVAC006	50	AC	WGS84_35S	563145	8742284	1254.22	0	-90
KVAC007	50	AC	WGS84_35S	563056	8742284	1254.46	0	-90
KVAC008	50	AC	WGS84_35S	562955	8742290	1254.6801	0	-90
KVAC009	50	AC	WGS84_35S	562858	8742229	1255.4399	0	-90
KVAC010	50	AC	WGS84_35S	562752	8742294	1255	0	-90
KVAC011	50	AC	WGS84_35S	562648	8742290	1255.03	0	-90
KVAC012	50	AC	WGS84_35S	562550	8742290	1255.09	0	-90
KVAC013	50	AC	WGS84_35S	562452	8742294	1255.33	0	-90
KVAC014	70	RC	WGS84_35S	563642	8742467	1245.75	0	-90
KVAC015	70	RC	WGS84_35S	563540	8742467	1247.09	0	-90
KVAC016	70	RC	WGS84_35S	563442	8742467	1248.53	0	-90
KVAC017	70	RC	WGS84_35S	563348	8742467	1249.6801	0	-90
KVAC018	70	RC	WGS84_35S	563242	8742452	1251.3101	0	-90
KVAC019	64	RC	WGS84_35S	563158	8742448	1252.15	0	-90
KVAC020	70	RC	WGS84_35S	563054	8742448	1252.51	0	-90
KVAC021	70	RC	WGS84_35S	562948	8742444	1252.95	0	-90
KVAC022	60	RC	WGS84_35S	562868	8742438	1253.26	0	-90
KVAC023	60	RC	WGS84_35S	562748	8742432	1253.34	0	-90
KVAC024	60	RC	WGS84_35S	562658	8742432	1253.37	0	-90
KVAC025	70	RC	WGS84_35S	562551	8742424	1253.4301	0	-90
KVAC026	60	RC	WGS84_35S	562449	8742430	1253.47	0	-90
KVAC027	70	RC	WGS84_35S	562355	8742460	1253.28	0	-90
KVAC028	60	AC	WGS84_35S	563641	8742682	1242.78	0	-90
KVAC029	60	AC	WGS84_35S	563537	8742694	1244.12	0	-90
KVAC030	60	AC	WGS84_35S	563439	8742688	1245.87	0	-90
KVAC031	60	AC	WGS84_35S	563337	8742690	1246.74	0	-90
KVAC032	60	AC	WGS84_35S	563236	8742684	1247.59	0	-90
KVAC033	60	AC	WGS84_35S	563132	8742680	1248.52	0	-90
KVAC034	60	AC	WGS84_35S	563034	8742678	1249.3199	0	-90
KVAC035	60	AC	WGS84_35S	562938	8742700	1249.36	0	-90
KVAC036	60	AC	WGS84_35S	562839	8742722	1249.38	0	-90
KVAC037	60	AC	WGS84_35S	562739	8742728	1249.24	0	-90
KVAC038	60	AC	WGS84_35S	562635	8742724	1249.13	0	-90

KVAC039	60 AC	WGS84_35S	562537	8742710	1248.64	0	-90
KVAC040	60 AC	WGS84_35S	562437	8742704	1248.37	0	-90
KVAC041	60 AC	WGS84_35S	562340	8742694	1248.41	0	-90
KVAC042	60 RC	WGS84_35S	563645	8742904	1241.13	0	-90
KVAC043	60 RC	WGS84_35S	563541	8742894	1242.77	0	-90
KVAC044	60 RC	WGS84_35S	563447	8742884	1243.8	0	-90
KVAC045	60 RC	WGS84_35S	563351	8742890	1244.58	0	-90
KVAC046	60 RC	WGS84_35S	563262	8742902	1245.11	0	-90
KVAC047	60 RC	WGS84_35S	563156	8742896	1245.65	0	-90
KVAC048	60 RC	WGS84_35S	563046	8742888	1246.26	0	-90
KVAC049	60 RC	WGS84_35S	562945	8742880	1246.89	0	-90
KVAC050	60 RC	WGS84_35S	562848	8742894	1247.42	0	-90
KVAC051	60 RC	WGS84_35S	562753	8742902	1247.1899	0	-90
KVAC052	60 RC	WGS84_35S	562647	8742902	1246.71	0	-90
KVAC053	60 RC	WGS84_35S	562552	8742902	1245.84	0	-90
KVAC054	60 RC	WGS84_35S	562445	8742884	1245.29	0	-90
KVAC055	60 RC	WGS84_35S	562333	8742874	1244.24	0	-90
KVAC056	80 AC	WGS84_35S	563643	8743100	1240.3199	0	-90
KVAC057	60 AC	WGS84_35S	563538	8743102	1241.33	0	-90
KVAC058	60 AC	WGS84_35S	563439	8743108	1242.49	0	-90
KVAC059	60 AC	WGS84_35S	563339	8743110	1243.58	0	-90
KVAC060	60 AC	WGS84_35S	563238	8743098	1244.01	0	-90
KVAC061	60 AC	WGS84_35S	563136	8743104	1244.38	0	-90
KVAC062	60 AC	WGS84_35S	563021	8743098	1244.46	0	-90
KVAC063	60 AC	WGS84_35S	562927	8743100	1244.5	0	-90
KVAC064	60 AC	WGS84_35S	562823	8743098	1244.6801	0	-90
KVAC065	60 AC	WGS84_35S	562726	8743098	1244	0	-90
KVAC066	60 AC	WGS84_35S	562624	8743102	1243.33	0	-90
KVAC067	60 AC	WGS84_35S	562624	8743102	1243.33	0	-90
KVAC068	60 AC	WGS84_35S	562425	8743104	1241.99	0	-90
KVAC069	60 AC	WGS84_35S	562329	8743102	1240.26	0	-90
KVAC070	60 RC	WGS84_35S	563604	8742070	1254.77	0	-90
KVAC071	60 RC	WGS84_35S	563491	8742010	1256.13	0	-90
KVAC072	60 RC	WGS84_35S	563400	8742096	1255.35	0	-90
KVAC073	60 RC	WGS84_35S	563307	8742102	1255.62	0	-90
KVAC074	60 RC	WGS84_35S	563200	8742102	1255.95	0	-90
KVAC075	60 RC	WGS84_35S	563107	8742096	1256.27	0	-90
KVAC076	60 RC	WGS84_35S	563010	8742107	1256.29	0	-90
KVAC077	60 RC	WGS84_35S	562917	8742094	1256.39	0	-90
KVAC078	60 RC	WGS84_35S	562821	8742092	1256.47	0	-90
KVAC079	60 RC	WGS84_35S	562714	8742110	1256.51	0	-90
KVAC080	60 RC	WGS84_35S	562616	8742118	1256.54	0	-90
KVAC081	60 RC	WGS84_35S	562512	8742114	1256.55	0	-90
KVAC082	60 RC	WGS84_35S	562407	8742108	1257	0	-90
KVAC083	60 RC	WGS84_35S	563637	8741880	1257.3101	0	-90
KVAC084	60 RC	WGS84_35S	563528	8741876	1257.27	0	-90
KVAC085	60 RC	WGS84_35S	563437	8741866	1257.45	0	-90
KVAC086	60 RC	WGS84_35S	563326	8741840	1257.89	0	-90
KVAC087	60 RC	WGS84_35S	563231	8741836	1257.87	0	-90
KVAC088	60 RC	WGS84_35S	563116	8741836	1258	0	-90
KVAC089	60 RC	WGS84_35S	563028	8741864	1257.6899	0	-90
KVAC090	60 RC	WGS84_35S	562914	8741886	1257.73	0	-90
KVAC091	60 RC	WGS84_35S	562828	8741892	1257.99	0	-90
KVAC092	60 RC	WGS84_35S	562733	8741888	1257.99	0	-90
KVAC093	60 RC	WGS84_35S	562629	8741890	1258.3	0	-90
KVAC094	60 RC	WGS84_35S	562531	8741880	1258.52	0	-90
KVAC095	60 RC	WGS84_35S	562368	8741906	1258.98	0	-90
KVAC096	60 RC	WGS84_35S	563645	8741712	1258.1899	0	-90
KVAC097	60 RC	WGS84_35S	563537	8741696	1258.0699	0	-90
KVAC098	60 RC	WGS84_35S	563445	8741706	1258.21	0	-90
KVAC099	60 RC	WGS84_35S	563349	8741706	1258.26	0	-90
KVAC100	60 RC	WGS84_35S	563253	8741690	1258.25	0	-90
KVAC101	60 RC	WGS84_35S	563156	8741698	1258.37	0	-90

KVAC102	60	RC	WGS84_35S	563001	8741706	1258.34	0	-90
KVAC103	60	RC	WGS84_35S	562837	8741706	1258.6	0	-90
KVAC104	60	RC	WGS84_35S	562683	8741696	1258.8101	0	-90
KVAC105	60	RC	WGS84_35S	562534	8741696	1258.72	0	-90
KVAC106	60	RC	WGS84_35S	563634	8741464	1258.58	0	-90
KVAC107	60	RC	WGS84_35S	563423	8741498	1258.45	0	-90
KVAC108	60	RC	WGS84_35S	563227	8741482	1258.39	0	-90
KVAC109	60	RC	WGS84_35S	563024	8741498	1258.63	0	-90
KVAC110	60	RC	WGS84_35S	562827	8741472	1258.14	0	-90
KVAC111	60	RC	WGS84_35S	562634	8741486	1258.24	0	-90
KVAC112	60	RC	WGS84_35S	562434	8741484	1258.72	0	-90
KVDH005	285.60001	DD	WGS84_35S	563257	8743393	1243.64	90	-60
KVDH006	69.599998	DD	WGS84_35S	563277	8743370	1244	90	-60
KVRC018	120	RC	WGS84_35S	563250	8743548.5	1243.1001	90	-60
KVRC019	90	RC	WGS84_35S	563273.2	8743547.7	1243.4	90	-60
KVRC020	80	RC	WGS84_35S	563299.8	8743547.9	1243.7001	90	-60
KVRC021	120	RC	WGS84_35S	563325	8743548	1245.01	90	-60
KVRC022	61	RC	WGS84_35S	563349.1	8743547.8	1245.2001	90	-60
KVRC023	93	RC	WGS84_35S	563375.9	8743548.2	1246	90	-60
KVRC024	60	RC	WGS84_35S	563400.5	8743547.7	1246.3	90	-60
KVRC025	60	RC	WGS84_35S	563424.7	8743547.9	1246.3	90	-60
KVRC026	110	RC	WGS84_35S	563290	8743508	1244.15	90	-60
KVRC027	141	RC	WGS84_35S	563314.3	8743506.5	1245.1001	90	-60
KVRC028	136	RC	WGS84_35S	563386.3	8743342.5	1244.9	90	-60
KVRC029	63	RC	WGS84_35S	563324.3	8743299.8	1243.6001	90	-60
KVRC030	70	RC	WGS84_35S	563346.9	8743300.1	1243.6001	90	-60
KVRC031	60	RC	WGS84_35S	563373.7	8743299.7	1243.9	90	-60
KVRC032	66	RC	WGS84_35S	563399.6	8743299.9	1243.9	90	-60
KVRC033	80	RC	WGS84_35S	563424.5	8743300.1	1244.1001	90	-60
KVRC034	90	RC	WGS84_35S	563449.2	8743299.9	1244	90	-60
KVRC035	90	RC	WGS84_35S	563474.3	8743300.8	1243.9	90	-60
KVRC036	60	RC	WGS84_35S	563499.9	8743299.8	1242.8	90	-60
KVRC037	61	RC	WGS84_35S	563503.5	8743389.6	1251.7001	90	-60
KVRC038	50	RC	WGS84_35S	563498.6	8743344.6	1246.9	90	-60
KVRC039	136	RC	WGS84_35S	563381.3	8743380.3	1246.1001	90	-60
KVRC040	66	RC	WGS84_35S	563329.1	8743442.1	1245.3	90	-60
KVRC041	140	RC	WGS84_35S	563385	8743441.8	1257.6001	90	-60
KVRC042	80	RC	WGS84_35S	563419.1	8743487.7	1258.5	90	-60
KVRC043	51	RC	WGS84_35S	563461.3	8743491.3	1253.9	90	-60
KVRC044	111	RC	WGS84_35S	563303.6	8743439.8	1243.7001	90	-60
KVRC045	118	RC	WGS84_35S	563356.3	8743376.8	1245.3	90	-60
KVRC046	106	RC	WGS84_35S	563332.5	8743374.2	1244.8	90	-60
KVRC047	110	RC	WGS84_35S	563361.1	8743341.7	1244.4	90	-60
KVRC048	93	RC	WGS84_35S	563301.7	8743301.4	1243.6001	90	-60
KVRC049	99	RC	WGS84_35S	563336.1	8743339.1	1244	90	-60
KVRC050	48	RC	WGS84_35S	563278.7	8743437.5	1243.4	90	-60
KVRC051	100	RC	WGS84_35S	563255	8743435.4	1243.1001	90	-60
KVRC052	60	RC	WGS84_35S	563553.5	8743251.8	1241	90	-60
KVRC053	60	RC	WGS84_35S	563529	8743249.6	1241.5	90	-60
KVRC054	60	RC	WGS84_35S	563503.6	8743248.8	1242	90	-60
KVRC055	110	RC	WGS84_35S	563477.8	8743247.2	1242.2001	90	-60
KVRC056	150	RC	WGS84_35S	563453.3	8743245.8	1242.6001	90	-60
KVRC057	80	RC	WGS84_35S	563389.5	8743241.3	1243.3	90	-60
KVRC058	150	RC	WGS84_35S	563415.4	8743243.6	1243	90	-60
KVRC059	80	RC	WGS84_35S	563557.6	8743202.8	1241	90	-60
KVRC060	90	RC	WGS84_35S	563523	8743197	1241.3	90	-60
KVRC061	80	RC	WGS84_35S	563489.2	8743193.3	1241.8	90	-60
KVRC062	80	RC	WGS84_35S	563540.9	8743150	1240.9	90	-60
KVRC063	150	RC	WGS84_35S	563298.6	8743371.7	1243.9	270	-60
KVRC064	150	RC	WGS84_35S	563258.6	8743371.6	1243.4	270	-60
KVRC065	100	RC	WGS84_35S	563296.3	8743337.6	1243.7001	270	-60
KVRC066	90	RC	WGS84_35S	563267.4	8743495.5	1243.5	90	-60
KVRC067	90	RC	WGS84_35S	563243.8	8743490.7	1243.2001	90	-60

TCAC106	33	AC	WGS84_35S	562080	8743810	1230.71	0	-90
TCAC107	42	AC	WGS84_35S	562130	8743810	1230.96	0	-90
TCAC108	48	AC	WGS84_35S	562180	8743810	1232.45	0	-90
TCAC109	41	AC	WGS84_35S	562230	8743810	1233.29	0	-90
TCAC110	42	AC	WGS84_35S	562280	8743810	1236.45	0	-90
TCAC111	14	AC	WGS84_35S	562330	8743810	1237.24	0	-90
TCAC112	45	AC	WGS84_35S	562380	8743810	1238.67	0	-90
TCAC113	40	AC	WGS84_35S	562330	8743810	1237.24	0	-90
TCAC114	24	AC	WGS84_35S	562480	8743810	1240.09	0	-90
TCAC115	51	AC	WGS84_35S	562580	8743810	1240.86	0	-90
TCAC116	39	AC	WGS84_35S	562081	8743760	1230.89	0	-90
TCAC117	30	AC	WGS84_35S	562131	8743760	1231	0	-90
TCAC118	41	AC	WGS84_35S	562181	8743760	1231.75	0	-90
TCAC119	18	AC	WGS84_35S	562231	8743760	1233.09	0	-90
TCAC120	48	AC	WGS84_35S	562281	8743760	1234.7	0	-90
TCAC121	28	AC	WGS84_35S	562231	8743760	1233.09	0	-90
TCAC122	28	AC	WGS84_35S	562281	8743760	1234.7	0	-90
TCAC123	36	AC	WGS84_35S	562231	8743760	1233.09	0	-90
TCAC124	25	AC	WGS84_35S	562281	8743760	1234.7	0	-90
TCAC125	40	AC	WGS84_35S	562331	8743760	1236.3	0	-90
TCAC126	48	AC	WGS84_35S	562381	8743660	1236.59	0	-90
TCAC127	45	AC	WGS84_35S	562131	8743660	1233.12	0	-90
TCAC128	29	AC	WGS84_35S	562181	8743660	1232.38	0	-90
TCAC129	24	AC	WGS84_35S	562231	8743660	1233.15	0	-90
TCAC130	45	AC	WGS84_35S	562281	8743660	1234.0601	0	-90
TCAC131	21	AC	WGS84_35S	562331	8743660	1235.29	0	-90
TCAC132	54	AC	WGS84_35S	562381	8743660	1236.59	0	-90
TCAC133	54	AC	WGS84_35S	562431	8743660	1238.8	0	-90
TCAC134	51	AC	WGS84_35S	562481	8743660	1238.79	0	-90
TCAC135	48	AC	WGS84_35S	562531	8743660	1239.5	0	-90
TCAC136	51	AC	WGS84_35S	562588	8743660	1240.04	0	-90
TCAC137	54	AC	WGS84_35S	562538	8743660	1239.5601	0	-90
TCAC138	57	AC	WGS84_35S	562438	8743660	1238.55	0	-90
TCAC139	57	AC	WGS84_35S	562438	8743660	1238.55	0	-90
TCAC140	21	AC	WGS84_35S	562388	8743660	1236.77	0	-90
TCAC141	60	AC	WGS84_35S	562333	8743548	1235.6899	0	-90
TCAC142	60	AC	WGS84_35S	562297	8743546	1235.2	0	-90
TCAC143	60	AC	WGS84_35S	562247	8743544	1234.72	0	-90
TCAC144	50	AC	WGS84_35S	562190	8743534	1234.46	0	-90
TCDG001	140.2	DD	WGS84_35S	562537	8744124	1232.3	225	-65
TCDG002	140.3	DD	WGS84_35S	562537	8744124	1232.3	135	-65
TCDG003	140.3	DD	WGS84_35S	562226	8744221	1231.3	225	-65
TCDG004	133.3	DD	WGS84_35S	562178	8744220	1229.3	135	-65
TFDG001	98	DD	WGS84_35S	561925	8744875	1223.3	230	-66
TFDG002	131	DD	WGS84_35S	561988	8744904	1229.3	135	-65
TFDG004	130	DD	WGS84_35S	562042	8744904	1222.3	225	-65
TFDG005	131.89999	DD	WGS84_35S	561925	8744885	1222.3	225	-65
TFDH004	302	DD	WGS84_35S	561865	8744870	1217.7	90	-60
TFDH005	301	DD	WGS84_35S	561880	8744760	1226.6	90	-60
TFDH006	312.60001	DD	WGS84_35S	562076	8744802	1229	90	-60
TFDH007	482.39999	DD	WGS84_35S	562237	8744803	1230.58	265	-60
TFRC026	176	RC	WGS84_35S	562054.2	8744834.5	1222.6001	90	-60
TFRC027	80	RC	WGS84_35S	561950.3	8744968.4	1222.5	90	-60
TFRC028	76	RC	WGS84_35S	561904.2	8744965.3	1222.9	90	-60
TFRC029	180	RC	WGS84_35S	561917.5	8744920.2	1221.9	90	-60
TFRC030	120	RC	WGS84_35S	562019.1	8744879	1222.1001	90	-60
TFRC031	161	RC	WGS84_35S	561938.1	8744817.7	1219.7001	90	-60
TFRC032	37	RC	WGS84_35S	561947	8744775	1222.6	90	-60
TFRC032A	150	RC	WGS84_35S	561944.1	8744783.5	1221.9	90	-60
TFRC033	141	RC	WGS84_35S	561950	8744874	1219.3199	90	-60
TFRC034	84	RC	WGS84_35S	562099	8744968	1228.2001	90	-60
TFRC035	50	RC	WGS84_35S	562050	8744967.9	1229.3	90	-60
TFRC036	120	RC	WGS84_35S	562070.2	8744878.1	1229	90	-60

TFRC037	55	RC	WGS84_35S	562092.2	8744878	1229.3	90	-60
TFRC038	46	RC	WGS84_35S	562024.6	8745019.7	1226.2001	90	-60
TFRC039	60	RC	WGS84_35S	561975.1	8745020.3	1225.5	90	-60
TFRC040	60	RC	WGS84_35S	561925.2	8745019.7	1224.6001	90	-60
TFRC041	55	RC	WGS84_35S	561874.7	8745019.6	1223.8	90	-60
TFRC042	111	RC	WGS84_35S	561849.6	8744968.1	1224.5	90	-60
TFRC043	70	RC	WGS84_35S	561824.5	8745019.7	1223.7001	90	-60
TFRC044	131	RC	WGS84_35S	562048.7	8744780	1228.2001	90	-60
TFRC045	105	RC	WGS84_35S	562090	8744732	1228.7	90	-60
TFRC046	94	RC	WGS84_35S	561944.9	8744736.2	1226.3	90	-60
TFRC047	98	RC	WGS84_35S	561891.1	8744738.8	1226.2001	90	-60
TFRC048	130	RC	WGS84_35S	561834.9	8744917	1224.8	90	-60
TFRC049	120	RC	WGS84_35S	561824.8	8744869.4	1224.9	90	-60
TFRC050	80	RC	WGS84_35S	561810	8744779.8	1225.1001	90	-60
TFRC051	120	RC	WGS84_35S	562093.6	8744697.6	1228.2001	90	-60
TFRC052	61	RC	WGS84_35S	561962	8744696.7	1226.7001	90	-60
TFRC053	103	RC	WGS84_35S	562025.4	8744697.2	1227.3	90	-60
TFRC054	110	RC	WGS84_35S	561980	8744697	1227.0699	90	-60
TFRC055	121	RC	WGS84_35S	562131.8	8744836.3	1229.7001	90	-60
TFRC056	100	RC	WGS84_35S	562066.2	8744907.6	1229.6001	90	-60
TFRC057	146	RC	WGS84_35S	561980.7	8744854	1219.9399	90	-60
TFRC058	150	RC	WGS84_35S	561989.9	8744807.8	1219.9	90	-60
TFRC059	150	RC	WGS84_35S	561985	8744756	1227.4	90	-60
TFRC060	125	RC	WGS84_35S	561935	8744714	1227.05	90	-60
TFRC061	150	RC	WGS84_35S	562115.1	8744653.3	1228.3	90	-60
TFRC062	150	RC	WGS84_35S	562064.9	8744650.6	1227.6001	90	-60
TFRC063	150	RC	WGS84_35S	562016	8744648.3	1226.9	90	-60
TFRC064	116	RC	WGS84_35S	561965.5	8744644.4	1227.6801	90	-60
TFRC065	81	RC	WGS84_35S	561915.6	8744644.1	1227	90	-60
TFRC066	131	RC	WGS84_35S	562165	8744653.9	1229.1001	90	-60
TFRC067	136	RC	WGS84_35S	562216.7	8744657.7	1229.7001	90	-60
TFRC068	86	RC	WGS84_35S	562263	8744662.2	1230.3	90	-60
TFRC069	101	RC	WGS84_35S	562313.4	8744670.7	1230.9	90	-60
TFRC070	80	RC	WGS84_35S	562365.7	8744632.8	1231.5	90	-60
TFRC071	80	RC	WGS84_35S	562315.9	8744629.3	1231	90	-60
TFRC072	140	RC	WGS84_35S	562266	8744626.1	1230.2001	90	-60
TFRC073	150	RC	WGS84_35S	562168.4	8744616.8	1228.7001	90	-60
TFRC074	120	RC	WGS84_35S	562119.6	8744612.4	1229.01	90	-60
TFRC075	116	RC	WGS84_35S	562069.7	8744610.8	1228.12	90	-60
TFRC076	91	RC	WGS84_35S	562020.3	8744607.1	1226.6001	90	-60
TFRC077	80	RC	WGS84_35S	561971.3	8744604.6	1226.7001	90	-60
TFRC078	80	RC	WGS84_35S	561920	8744603.4	1226.6001	90	-60
TFRC079	80	RC	WGS84_35S	562293.3	8744708	1230.6001	90	-60
TFRC080	80	RC	WGS84_35S	562243.3	8744705.8	1230.4	90	-60
TFRC081	80	RC	WGS84_35S	562193.7	8744702.7	1229.6001	90	-60
TFRC082	150	RC	WGS84_35S	562136.8	8744699.8	1229.2001	90	-60
TFRC083	80	RC	WGS84_35S	562240.9	8744755.5	1230	90	-60
TFRC084	150	RC	WGS84_35S	562190.1	8744752.1	1229.7001	90	-60
TFRC085	141	RC	WGS84_35S	562141.4	8744749.6	1229.4	90	-60
TFRC086	106	RC	WGS84_35S	562373.9	8744585.6	1231.9	90	-60
TFRC087	80	RC	WGS84_35S	562319.3	8744581.9	1231	90	-60
TFRC088	130	RC	WGS84_35S	562269.2	8744578.8	1230	90	-60
TFRC089	116	RC	WGS84_35S	562212.4	8744573.6	1229.8	90	-60
TFRC090	100	RC	WGS84_35S	562162.8	8744570.5	1229.46	90	-60
TFRC091	125	RC	WGS84_35S	562113.3	8744567.3	1227.6001	90	-60
TFRC092	70	RC	WGS84_35S	562063.4	8744565.4	1226.9	90	-60
TFRC093	81	RC	WGS84_35S	562013.6	8744564.3	1226.9	90	-60
TFRC094	80	RC	WGS84_35S	561963.3	8744562.7	1226.8	90	-60
TFRC095	150	RC	WGS84_35S	562050.9	8744732	1227.9	90	-60
TFRC096	150	RC	WGS84_35S	562086.4	8744799.6	1229	90	-60
TFRC097	150	RC	WGS84_35S	562137.4	8744800.2	1229.2001	90	-60
TFRC098	90	RC	WGS84_35S	562187.2	8744801.2	1229.6001	90	-60
TFRC099	80	RC	WGS84_35S	562236.9	8744801.7	1230.1001	90	-60

TFRC100	106	RC	WGS84_35S	562001.1	8744728.5	1227.1001	90	-60
TFRC101	116	RC	WGS84_35S	562116.7	8744909	1229.1001	90	-60
TFRC102	80	RC	WGS84_35S	562166.5	8744910.9	1229	90	-60
TFRC103	106	RC	WGS84_35S	561890.9	8744763.3	1226.6001	90	-60
TFRC104	100	RC	WGS84_35S	561912.1	8744691.4	1226.8	90	-60
TFDH008	378.60001	DD	WGS84_35S	561972	8744826	1221	265	-50
KPAC397	45	AC	WGS84_35S	561800	8744570	1226.27	0	-90
KPAC398	56	AC	WGS84_35S	561701	8744560	1225.89	0	-90
KPAC399	56	AC	WGS84_35S	561601	8744550	1225.67	0	-90
KPAC400	48	AC	WGS84_35S	561503	8744538	1225.66	0	-90
KPAC401	60	AC	WGS84_35S	561403	8744527	1226.6899	0	-90
KPAC402	42	AC	WGS84_35S	561303	8744516	1227.46	0	-90
KPAC403	60	AC	WGS84_35S	561204	8744504	1228.45	0	-90
KPAC404	45	AC	WGS84_35S	561105	8744494	1229.8199	0	-90
KPAC405	59	AC	WGS84_35S	561007	8744482	1231.04	0	-90
KPAC406	60	AC	WGS84_35S	560908	8744471	1232.16	0	-90
KPAC407	45	AC	WGS84_35S	560809	8744458	1233.47	0	-90
KPAC408	45	AC	WGS84_35S	561794	8744236	1224.96	0	-90
KPAC409	27	AC	WGS84_35S	561608	8744242	1226.0601	0	-90
KPAC410	33	AC	WGS84_35S	561510	8744240	1228.4301	0	-90
KPAC411	39	AC	WGS84_35S	561413	8744234	1230.24	0	-90
KPAC412	37	AC	WGS84_35S	561317	8744230	1231.64	0	-90
KPAC413	40	AC	WGS84_35S	561216	8744224	1233.1	0	-90
KPAC414	34	AC	WGS84_35S	561114	8744214	1234.4301	0	-90
KPAC415	40	AC	WGS84_35S	561017	8744194	1235.33	0	-90
KPAC416	18	AC	WGS84_35S	561617	8744044	1229.33	0	-90
KPAC417	27	AC	WGS84_35S	561517	8744042	1230.0699	0	-90
KPAC418	75	AC	WGS84_35S	561414	8744046	1232.1899	0	-90
KPAC419	45	AC	WGS84_35S	561318	8744038	1233.85	0	-90
KPAC420	57	AC	WGS84_35S	561218	8744040	1235.1899	0	-90
KPAC421	38	AC	WGS84_35S	561132	8744038	1238.66	0	-90
KPAC422	63	AC	WGS84_35S	561812	8744824	1225.4399	0	-90
KPAC423	39	AC	WGS84_35S	561759	8744820	1225.64	0	-90
KPAC424	29	AC	WGS84_35S	561719	8744814	1225.4399	0	-90
KPAC425	35	AC	WGS84_35S	561667	8744810	1225.14	0	-90
KPAC426	40	AC	WGS84_35S	561617	8744808	1224.95	0	-90
KPAC427	39	AC	WGS84_35S	561516	8744810	1224.39	0	-90
KPAC428	45	AC	WGS84_35S	561417	8744798	1224.14	0	-90
KPAC429	42	AC	WGS84_35S	561319	8744480	1227.99	0	-90
KPAC430	48	AC	WGS84_35S	561823	8744790	1220.95	0	-90
KPAC431	33	AC	WGS84_35S	561121	8744768	1224.37	0	-90
KPAC432	51	AC	WGS84_35S	561027	8744754	1226.51	0	-90
KPAC433	39	AC	WGS84_35S	561788	8745064	1223.52	0	-90
KPAC434	43	AC	WGS84_35S	561842	8745064	1224.77	0	-90
KPAC435	34	AC	WGS84_35S	561888	8745066	1224.25	0	-90
KPAC436	39	AC	WGS84_35S	561935	8745068	1224.97	0	-90
KPAC437	50	AC	WGS84_35S	561989	8745068	1225.61	0	-90
KPAC438	50	AC	WGS84_35S	562035	8745070	1226.35	0	-90
KPAC439	50	AC	WGS84_35S	562092	8745074	1227.28	0	-90
KPAC440	43	AC	WGS84_35S	562192	8745080	1227.79	0	-90
KPAC441	34	AC	WGS84_35S	562290	8745086	1228.72	0	-90
KPAC442	39	AC	WGS84_35S	562383	8745096	1229.17	0	-90
KPAC443	39	AC	WGS84_35S	562480	8745098	1229.6	0	-90
KPAC444	41	AC	WGS84_35S	563346	8743584	1244.17	0	-90
KPAC445	43	AC	WGS84_35S	563414	8743664	1242.12	0	-90
KPAC446	58	AC	WGS84_35S	563468	8743742	1240.45	0	-90
KPAC447	42	AC	WGS84_35S	563513	8743822	1239.0601	0	-90
KPAC448	39	AC	WGS84_35S	563580	8743898	1237.75	0	-90
KPAC449	47	AC	WGS84_35S	563630	8743976	1236.9399	0	-90
KPAC450	37	AC	WGS84_35S	563684	8744058	1236.17	0	-90
KPAC451	50	AC	WGS84_35S	563740	8744126	1235.49	0	-90
KPAC452	48	AC	WGS84_35S	563810	8744210	1234.67	0	-90
KPAC453	36	AC	WGS84_35S	563901	8744294	1233.52	0	-90

KPAC454	48	AC	WGS84_35S	561027	8743580	1243.8101	0	-90
KPAC455	49	AC	WGS84_35S	560917	8743598	1245.1	0	-90
KPAC456	50	AC	WGS84_35S	560906	8743528	1245.85	0	-90
KPAC457	50	AC	WGS84_35S	561067	8743742	1241.22	0	-90
KPAC458	48	AC	WGS84_35S	561063	8743822	1239.9301	0	-90
KPAC459	36	AC	WGS84_35S	563483	8743698	1240.83	0	-90
KPAC460	75	AC	WGS84_35S	563584	8743686	1238.72	0	-90
KPAC461	50	AC	WGS84_35S	563684	8743686	1236.48	0	-90
KPAC462	50	AC	WGS84_35S	563785	8743698	1235.21	0	-90
KPAC463	45	AC	WGS84_35S	563885	8743692	1234.1899	0	-90
KPAC464	20	AC	WGS84_35S	563987	8743696	1233.48	0	-90
KPAC465	37	AC	WGS84_35S	564087	8743696	1232.5	0	-90
KPAC466	50	AC	WGS84_35S	564187	8743696	1232.26	0	-90
KPAC467	50	AC	WGS84_35S	564287	8743686	1230.95	0	-90
KPAC468	34	AC	WGS84_35S	564387	8743686	1231.1	0	-90
KPAC469	32	AC	WGS84_35S	564487	8743700	1229.6	0	-90
KPAC470	37	AC	WGS84_35S	563700	8743900	1236.5699	0	-90
KPAC471	43	AC	WGS84_35S	563800	8743898	1235.5	0	-90
KPAC472	46	AC	WGS84_35S	563900	8743900	1234.54	0	-90
KPAC473	28	AC	WGS84_35S	564003	8743910	1233.36	0	-90
KPAC474	43	AC	WGS84_35S	564105	8743898	1232.3	0	-90
KPAC475	50	AC	WGS84_35S	564208	8743904	1231.65	0	-90
KPAC476	34	AC	WGS84_35S	564300	8743898	1230.74	0	-90
KPAC477	47	AC	WGS84_35S	564400	8743904	1229.99	0	-90
KPAC478	50	AC	WGS84_35S	563808	8744096	1235.01	0	-90
KPAC479	50	AC	WGS84_35S	563899	8744094	1234.41	0	-90
KPAC480	50	AC	WGS84_35S	564000	8744106	1233.23	0	-90
KPAC481	41	AC	WGS84_35S	564095	8744096	1232.49	0	-90
KPAC482	41	AC	WGS84_35S	564200	8744094	1231.51	0	-90
KPAC483	41	AC	WGS84_35S	564300	8744100	1230.5601	0	-90
KPAC484	60	AC	WGS84_35S	564398	8744098	1229.61	0	-90
KPAC485	60	AC	WGS84_35S	564499	8744100	1229.01	0	-90
KPAC486	47	AC	WGS84_35S	564002	8744300	1232.6	0	-90
KPAC487	42	AC	WGS84_35S	564100	8744294	1231.97	0	-90
KPAC488	60	AC	WGS84_35S	564200	8744300	1231.49	0	-90
KPAC489	51	AC	WGS84_35S	564301	8744302	1230.02	0	-90
KPAC490	50	AC	WGS84_35S	564401	8744300	1229.4399	0	-90
KPAC491	50	AC	WGS84_35S	564500	8744298	1228.28	0	-90
KPAC492	28	AC	WGS84_35S	563600	8743520	1239.5601	0	-90
KPAC493	50	AC	WGS84_35S	563690	8743526	1236.8101	0	-90
KPAC494	50	AC	WGS84_35S	563800	8743526	1234.74	0	-90
KPAC495	50	AC	WGS84_35S	563900	8743526	1233.99	0	-90
KPAC496	37	AC	WGS84_35S	564000	8743526	1232.86	0	-90
KPAC497	49	AC	WGS84_35S	564100	8743526	1233.72	0	-90
KPAC498	50	AC	WGS84_35S	564200	8743526	1231.59	0	-90
KPAC499	31	AC	WGS84_35S	564300	8743526	1230.86	0	-90
KPAC500	44	AC	WGS84_35S	563550	8744290	1235.99	0	-90
KPAC501	45	AC	WGS84_35S	563650	8744290	1235.46	0	-90
KPAC502	45	AC	WGS84_35S	563750	8744292	1234.77	0	-90
KPAC503	50	AC	WGS84_35S	563850	8744292	1233.99	0	-90
KPAC504	37	AC	WGS84_35S	561900	8745300	1222.74	0	-90
KPAC505	50	AC	WGS84_35S	561995	8745320	1223.5601	0	-90
KPAC506	38	AC	WGS84_35S	562095	8745310	1225.39	0	-90
KPAC507	49	AC	WGS84_35S	562200	8745304	1226.13	0	-90
KPAC508	47	AC	WGS84_35S	562310	8745285	1227.22	0	-90
KPAC509	35	AC	WGS84_35S	562399	8745290	1227.84	0	-90
KPAC510	37	AC	WGS84_35S	562503	8745286	1228.4301	0	-90
KPAC511	39	AC	WGS84_35S	562600	8745290	1228.48	0	-90
KPAC512	55	AC	WGS84_35S	562703	8745290	1229.09	0	-90
KPAC513	50	AC	WGS84_35S	562800	8745285	1229.73	0	-90
KPAC514	50	AC	WGS84_35S	562901	8745280	1229.9301	0	-90
KPAC515	48	AC	WGS84_35S	563000	8745270	1229.9399	0	-90
KPAC516	50	AC	WGS84_35S	563100	8745270	1229.4	0	-90

KPAC517	50 AC	WGS84_35S	563200	8745280	1229.24	0	-90
KPAC518	50 AC	WGS84_35S	563300	8745286	1229.12	0	-90
KPAC519	50 AC	WGS84_35S	563398	8745280	1228.8	0	-90
KPAC520	50 AC	WGS84_35S	563500	8745280	1228.48	0	-90
KPAC521	50 AC	WGS84_35S	563600	8745300	1227.8101	0	-90
KPAC522	50 AC	WGS84_35S	563600	8745100	1229.63	0	-90
KPAC523	50 AC	WGS84_35S	563500	8745100	1230.22	0	-90
KPAC524	44 AC	WGS84_35S	564500	8743504	1229.9	0	-90
KPAC525	50 AC	WGS84_35S	564400	8743500	1230.28	0	-90
KPAC526	42 AC	WGS84_35S	561900	8745500	1221.7	0	-90
KPAC527	34 AC	WGS84_35S	562000	8745500	1222.15	0	-90
KPAC528	45 AC	WGS84_35S	562100	8745500	1223.49	0	-90
KPAC529	33 AC	WGS84_35S	562200	8745500	1223.9301	0	-90
KPAC530	50 AC	WGS84_35S	562300	8745500	1225.3101	0	-90
KPAC531	36 AC	WGS84_35S	562400	8745500	1226	0	-90
KPAC532	41 AC	WGS84_35S	562500	8745500	1226.34	0	-90
KPAC533	50 AC	WGS84_35S	562600	8745500	1226.4	0	-90
KPAC534	40 AC	WGS84_35S	562700	8745500	1227.3	0	-90
KPAC535	50 AC	WGS84_35S	562800	8745500	1227	0	-90
KPAC536	50 AC	WGS84_35S	562900	8745500	1227.0601	0	-90
KPAC537	50 AC	WGS84_35S	563000	8745500	1227.87	0	-90
KPAC538	50 AC	WGS84_35S	563100	8745500	1227.03	0	-90
KPAC539	50 AC	WGS84_35S	563200	8745500	1226.4399	0	-90
KPAC540	50 AC	WGS84_35S	563300	8745460	1226.4301	0	-90
KPAC541	43 AC	WGS84_35S	563400	8745500	1225.74	0	-90
KPAC542	50 AC	WGS84_35S	563500	8745500	1225.98	0	-90
KPAC543	50 AC	WGS84_35S	563600	8745500	1225.3	0	-90
KPAC544	50 AC	WGS84_35S	560800	8743100	1253.41	0	-90
KPAC545	36 AC	WGS84_35S	560900	8743100	1252.8101	0	-90
KPAC546	50 AC	WGS84_35S	561020	8743100	1251.8101	0	-90
KPAC547	50 AC	WGS84_35S	561100	8743100	1252.96	0	-90
KPAC548	50 AC	WGS84_35S	560700	8743100	1254.49	0	-90
KPAC549	50 AC	WGS84_35S	560600	8743100	1255.6899	0	-90
KPAC550	50 AC	WGS84_35S	560500	8743100	1257.33	0	-90
KPAC551	44 AC	WGS84_35S	560400	8743100	1258.5601	0	-90
KPAC552	47 AC	WGS84_35S	560300	8743100	1259.46	0	-90
KPAC553	31 AC	WGS84_35S	560200	8743100	1260.4301	0	-90
KPAC554	50 AC	WGS84_35S	560098	8743085	1260.45	0	-90
KPAC555	43 AC	WGS84_35S	561203	8742900	1256.88	0	-90
KPAC556	34 AC	WGS84_35S	561106	8742896	1257.71	0	-90
KPAC557	50 AC	WGS84_35S	561006	8742902	1257.9301	0	-90
KPAC558	50 AC	WGS84_35S	560900	8742910	1257.77	0	-90
KPAC559	60 AC	WGS84_35S	560800	8742904	1258.35	0	-90
KPAC560	60 AC	WGS84_35S	560700	8742900	1258.48	0	-90
KPAC561	57 AC	WGS84_35S	560600	8742900	1259.27	0	-90
KPAC562	48 AC	WGS84_35S	560500	8742900	1260	0	-90
KPAC563	55 AC	WGS84_35S	560400	8742900	1260.8	0	-90
KPAC564	60 AC	WGS84_35S	560300	8742902	1261.62	0	-90
KPAC565	45 AC	WGS84_35S	560200	8742904	1262.34	0	-90
KPAC566	55 AC	WGS84_35S	560100	8742900	1263.4	0	-90
KPAC567	60 AC	WGS84_35S	561470	8742500	1259.9399	0	-90
KPAC568	60 AC	WGS84_35S	561400	8742500	1262.3	0	-90
KPAC569	53 AC	WGS84_35S	561300	8742500	1261.54	0	-90
KPAC570	60 AC	WGS84_35S	561200	8742500	1262.85	0	-90
KPAC571	60 AC	WGS84_35S	561100	8742500	1262.66	0	-90
KPAC572	60 AC	WGS84_35S	561000	8742500	1263.24	0	-90
KPAC573	49 AC	WGS84_35S	561600	8742100	1261.39	0	-90
KPAC574	49 AC	WGS84_35S	561500	8742100	1261.97	0	-90
KPAC575	54 AC	WGS84_35S	561400	8742100	1262.51	0	-90
KPAC576	54 AC	WGS84_35S	561300	8742100	1263.0601	0	-90
KPAC577	60 AC	WGS84_35S	561200	8742100	1263.8	0	-90
KPAC578	60 AC	WGS84_35S	561100	8742100	1263.77	0	-90
KPAC579	56 AC	WGS84_35S	561000	8742100	1264.34	0	-90

KPAC580	54	AC	WGS84_35S	561700	8741700	1261.01	0	-90
KPAC581	41	AC	WGS84_35S	561600	8741700	1261.39	0	-90
KPAC582	51	AC	WGS84_35S	561500	8741700	1261.86	0	-90
KPAC583	51	AC	WGS84_35S	561400	8741700	1263.39	0	-90
KPAC584	51	AC	WGS84_35S	561300	8741700	1262.76	0	-90
KPAC585	36	AC	WGS84_35S	561200	8741706	1263.42	0	-90
KPAC586	51	AC	WGS84_35S	561100	8741700	1263.9301	0	-90
KPAC587	54	AC	WGS84_35S	561000	8741700	1264.58	0	-90
KPAC588	40	AC	WGS84_35S	562000	8746800	1205.78	0	-90
KPAC589	50	AC	WGS84_35S	561930	8746800	1205.35	0	-90
KPAC590	26	AC	WGS84_35S	561900	8746700	1206.48	0	-90
KPAC591	25	AC	WGS84_35S	561900	8746600	1209.17	0	-90
KPAC592	53	AC	WGS84_35S	560400	8744200	1239.89	0	-90
KPAC593	46	AC	WGS84_35S	560300	8744200	1239.97	0	-90
KPAC594	44	AC	WGS84_35S	560200	8744200	1239.83	0	-90
KPAC595	45	AC	WGS84_35S	560100	8744200	1240.12	0	-90
KPAC596	60	AC	WGS84_35S	560700	8744600	1231.98	0	-90
KPAC597	60	AC	WGS84_35S	560600	8744598	1231.96	0	-90
KPAC598	51	AC	WGS84_35S	560500	8744600	1232.41	0	-90
KPAC599	51	AC	WGS84_35S	560400	8744602	1232.7	0	-90
KPAC600	51	AC	WGS84_35S	560300	8744600	1234	0	-90
KPAC601	51	AC	WGS84_35S	560200	8744600	1233.65	0	-90
KPAC602	50	AC	WGS84_35S	560102	8744605	1233.5	0	-90
KPAC603	57	AC	WGS84_35S	560800	8745000	1225.58	0	-90
KPAC604	51	AC	WGS84_35S	560700	8745000	1226.27	0	-90
KPAC605	39	AC	WGS84_35S	560600	8745000	1226.65	0	-90
KPAC606	48	AC	WGS84_35S	560500	8745000	1226.8101	0	-90
KPAC607	51	AC	WGS84_35S	560900	8745000	1225.7	0	-90
KPAC608	43	AC	WGS84_35S	561000	8745000	1224.5	0	-90
KPAC609	51	AC	WGS84_35S	561080	8745030	1224.01	0	-90
KPAC610	51	AC	WGS84_35S	561150	8745030	1223.72	0	-90
TCDG005	386.20001	DG	WGS84_35S	562413.386	8744244.132	1192.223	90	-60
TCDH029	201.5	DD	WGS84_35S	562382.7	8743991.5	1225.9	0	-90
TCDH030	317.20001	DD	WGS84_35S	562402.3	8744113.7	1197.3	270	-60
TCDH031	280	DD	WGS84_35S	562331.9	8743992.9	1225.7001	265	-60
TCDH032	380.5	DD	WGS84_35S	562271.6	8744202.6	1198	100	-60
TCDH033	397	DD	WGS84_35S	562278.8	8743993.4	1225.7001	265	-60
TCDH034	334	DD	WGS84_35S	562323.5	8744198.7	1196.9	100	-60
TCDH035	450.5	DD	WGS84_35S	562371.5	8744215.2	1196.9	270	-60
TCDH036	362.5	DD	WGS84_35S	562323.6	8744277.8	1197.2001	100	-60
TCDH037	215.5	DD	WGS84_35S	562330.5	8744089.1	1194.8	270	-60
TCDH038	287.5	DD	WGS84_35S	562280	8744136.2	1195	95	-60
TCDH039	304	DD	WGS84_35S	562149.3	8743897.7	1230.6001	45	-60
TCDH040	262	DD	WGS84_35S	562406.2	8744285.3	1192.9	270	-60
TCDH041	605	DD	WGS84_35S	562424.8	8744231.7	1193.1001	270	-60
TCDH042	374.5	DD	WGS84_35S	562534	8744138	1239.8401	270	-60
TCDH043	185.5	DD	WGS84_35S	562290.5	8744217	1192.7001	270	-60
TCDH044	309.70001	DD	WGS84_35S	562410.588	8744176.802	1192.0331	270	-60
TCDH045	215	DD	WGS84_35S	562374.425	8744175.503	1192.1121	270	-60
TCDH046	298.5	DD	WGS84_35S	562337.569	8744220.153	1189.7311	270	-60
TCDH047	245.7	DD	WGS84_35S	562323.024	8744168.74	1189.545	270	-60
TCDH048	474	DD	WGS84_35S	562366.259	8744126.957	1189.693	265	-60
TCDH049	322.60001	DD	WGS84_35S	562367.902	8744080.473	1192.25	265	-60
TCDH050	390.10001	DD	WGS84_35S	562333.578	8744123.553	1189.707	265	-60
TCDH051	318	DD	WGS84_35S	562273.159	8744166.502	1189.821	265	-60
TCDH052	201.10001	DD	WGS84_35S	562318.318	8744081.346	1192.387	265	-60
TCDH053	322.10001	DD	WGS84_35S	562283.28	8744098.648	1192.8571	265	-60
TCDH054	455	DD	WGS84_35S	562253.741	8744018.65	1212.127	265	-60
TCDH055	242	DD	WGS84_35S	562399.967	8744027.492	1212.4601	265	-60
TCDH056	215.10001	DD	WGS84_35S	562304.108	8744021.284	1211.9751	265	-60
TCDH057	388.5	DD	WGS84_35S	562230.033	8744069.629	1212.549	265	-60
TCDH058	298.10001	DD	WGS84_35S	562227.246	8744113.491	1212.5389	265	-60
TCDH059	393.5	DD	WGS84_35S	562182.935	8743964.152	1212.1801	265	-60

TCDH060	210	DD	WGS84_35S	562388.154	8743914.455	1204.298	265	-60
TCDH061	344.5	DD	WGS84_35S	562022.166	8743948.539	1212.1801	90	-60
TCDH062	245.10001	DD	WGS84_35S	562067.905	8744054.34	1226.5699	265	-60
TCDH063	325.60001	DD	WGS84_35S	562203.688	8744013.536	1212.2061	265	-60
TCDH064	202.5	DD	WGS84_35S	562184.028	8743919.838	1209.83	90	-60
TCDH065	298.5	DD	WGS84_35S	562512.467	8744139.802	1219.3	265	-60
TCDH066	257	DD	WGS84_35S	562496.661	8744091.341	1219.3	265	-60
TCDH067	361	DD	WGS84_35S	562213.999	8744458.194	1225.88	85	-60
TCRC151	150	RC	WGS84_35S	562501	8743900.9	1241.4	270	-60
TCRC152	150	RC	WGS84_35S	562507.4	8744002.8	1240.3	270	-60
TCRC153	120	RC	WGS84_35S	561981.5	8743909.8	1230.3	85	-60
TCRC154	80	RC	WGS84_35S	562021.6	8743949	1229.4	85	-60
TCRC155	112	RC	WGS84_35S	562472.4	8743973.2	1240.3	315	-60
TCRC156	150	RC	WGS84_35S	562381.7	8743953.5	1225.3	315	-60
TCRC157	150	RC	WGS84_35S	562470.5	8744007.5	1239.4	315	-60
TCRC158	150	RC	WGS84_35S	562384	8743837.9	1238.4	315	-60
TCRC159	144	RC	WGS84_35S	562102.5	8744151.4	1225.5	85	-60
TCRC160	132	RC	WGS84_35S	562047.1	8744059.1	1225.9	85	-60
TCRC161	128	RC	WGS84_35S	562113.9	8744258.4	1228.3	85	-60
TCRC162	100	RC	WGS84_35S	562152.7	8744208.8	1226.9	85	-60
TCRC163	140	RC	WGS84_35S	562095.4	8744108.2	1226.3	85	-60
TCRC164	150	RC	WGS84_35S	562197.8	8744320.9	1226.3	85	-60
TCRC165	124	RC	WGS84_35S	561922.6	8743956.7	1230.51	85	-60
TCRC166	150	RC	WGS84_35S	562188.3	8743952.6	1231.1001	45	-60
TCRC167	136	RC	WGS84_35S	562244.3	8744376.2	1229	85	-60
TCRC168	96	RC	WGS84_35S	562216.3	8744457.2	1225.9	85	-60
TCRC169	150	RC	WGS84_35S	562190.3	8743859.7	1231.3	45	-60
TCRC170	150	RC	WGS84_35S	562422.5	8743951.4	1222.7001	315	-60
TCRC171	80	RC	WGS84_35S	562224.4	8744418.2	1226.2001	85	-60
TCRC172	150	RC	WGS84_35S	562045.8	8744008.4	1229.3	85	-60
TCRC173	145	RC	WGS84_35S	561990	8744150	1229.05	85	-60
TCRC174	145	RC	WGS84_35S	562132	8743941.2	1230.1001	45	-60
TCRC175	150	RC	WGS84_35S	562118.6	8743905.9	1229.8	45	-60
TCRC176	93	RC	WGS84_35S	562101.3	8743888.6	1229.5	45	-60
TCRC177	106	RC	WGS84_35S	562156.4	8744358.5	1228.3	85	-60
TCRC178	85	RC	WGS84_35S	562436.6	8744433.7	1233	270	-60
TCRC179	137	RC	WGS84_35S	562413.3	8744484	1232.4	270	-60
TCRC180	150	RC	WGS84_35S	562365.3	8744479	1231.9	270	-60
TCRC181	149	RC	WGS84_35S	562384.2	8744532.1	1232	270	-60
TCRC182	110	RC	WGS84_35S	562112.5	8743959.5	1229.7001	90	-60
TCRC183	127	RC	WGS84_35S	562154.8	8744160.1	1226.7001	90	-60
TCRC184	110	RC	WGS84_35S	562041	8744160	1228.83	90	-60
TCRC185	150	RC	WGS84_35S	562439.6	8744537.7	1232.9	0	-90
TCRC186	101	RC	WGS84_35S	562299.4	8744473.2	1230.3	0	-90
TCRC187	149	RC	WGS84_35S	562496.8	8744392.9	1234.9	270	-60
TCRC188	149	RC	WGS84_35S	562520.8	8744394.1	1235.3	270	-60
TCRC189	149	RC	WGS84_35S	562545.2	8744440	1235.1001	270	-60
TCRC190	150	RC	WGS84_35S	562487	8744506	1234.15	270	-60
TCRC191	150	RC	WGS84_35S	562312	8743808.7	1235.4	90	-60
TCRC192	150	RC	WGS84_35S	562211.6	8743810.8	1231.7001	90	-60
TCRC193	109	RC	WGS84_35S	562100.9	8743859.2	1229.6001	90	-60
TCRC194	82	RC	WGS84_35S	561870.4	8743859.3	1230.89	90	-60
TCRC195	101	RC	WGS84_35S	562147.4	8743755.7	1230.4	90	-60
TCRC196	150	RC	WGS84_35S	562564.4	8744359	1236.5	270	-60
TCRC197	110	RC	WGS84_35S	561974.5	8743999.1	1229.7001	90	-60
TCRC198	109	RC	WGS84_35S	561975.4	8744049.7	1229	90	-60
TCRC199	50	RC	WGS84_35S	562003.1	8744097.4	1229.14	90	-60
TCRC200	150	RC	WGS84_35S	562024.6	8744239.9	1228.53	90	-60
TCRC201	150	RC	WGS84_35S	561922.1	8744241.2	1226.5	90	-60
TCRC202	150	RC	WGS84_35S	562081.8	8744209.1	1228.95	90	-60
TCRC203	133	RC	WGS84_35S	562076.5	8744308.2	1228.98	90	-60
TCRD001	280.79999	RC	WGS84_35S	562209.2	8744366.5	1226.2001	85	-60
TCRD001DT	280.79999	DD	WGS84_35S	562209.2	8744366.5	1226.2	85	-60

TCRD002	130	RC	WGS84_35S	562258.4	8744373.1	1229.8	85	-60
TCRD003	409.60001	RC	WGS84_35S	562494.3	8744340.2	1235.1001	265	-60
TCRD003DT	409.60001	DD	WGS84_35S	562494.3	8744340.2	1235.1	265	-60
TCRD004	251	RC	WGS84_35S	562535.4	8744197.8	1238	265	-60
TCRD004DT	251	DD	WGS84_35S	562535.4	8744197.8	1238	265	-60
TCRD005	140	RC	WGS84_35S	562570.8	8744142	1239.5	265	-60
TCRD006	200	RC	WGS84_35S	562505.4	8744090	1238.8	265	-60
TCRD006DT	200	DD	WGS84_35S	562505.4	8744090	1238.8	265	-60
TCRD007	284.60001	RC	WGS84_35S	562524.2	8744297.9	1236.4	265	-60
TCRD007DT	206.60001	DD	WGS84_35S	562524.2	8744297.9	1236.4	265	-60
TCRD008	140	RC	WGS84_35S	562589.4	8744294.7	1237.6001	265	-60
TCRD009	392.10001	RC	WGS84_35S	562169.1	8744225	1226.8	85	-60
TCRD009DT	392.10001	DD	WGS84_35S	562169.1	8744225	1226.8	85	-60
TCRD010	450	RC	WGS84_35S	562080.7	8744101.6	1226	85	-60
TCRD011	383.5	RC	WGS84_35S	562183.5	8744022.2	1230.8	265	-60
TCRD011DT	383.5	DD	WGS84_35S	562183.5	8744022.2	1230.8	265	-60
TCRD012	450	RC	WGS84_35S	562293	8744424.4	1231.46	85	-60
TCRD013	143.5	RC	WGS84_35S	562289.281	8744473.012	1230.125	85	-60
TCRD014	61	RC	WGS84_35S	562102.8	8743950.7	1229.4	0	-90
TCRD015	77	RC	WGS84_35S	562162.1	8743965.5	1230.3	0	-90
TCRD016	308.10001	RC	WGS84_35S	562196.1	8744521	1228.6001	85	-60
TCRD016DT	308.10001	DD	WGS84_35S	562196.1	8744521	1228.6	85	-60
TCRD017	430.39999	RC	WGS84_35S	562324.895	8744534.44	1230.7471	265	-60
TCRD018	420.70001	RC	WGS84_35S	562386.2	8744431.9	1231.9	265	-60
TCRD018DT	420.70001	DD	WGS84_35S	562386.2	8744431.9	1231.9	265	-60
TCRD019	161.5	RC	WGS84_35S	562261.7	8744521.3	1230.66	265	-60
TCRD020	140	RC	WGS84_35S	562301	8744573.6	1231.33	85	-60
TCRD021	258.29999	RC	WGS84_35S	562300.5	8744626.5	1230.6001	265	-60
TCRD021DT	258.29999	DD	WGS84_35S	562300.5	8744626.5	1230.6	265	-60
TCRD022	96	RC	WGS84_35S	562203.7	8744701.6	1230.4399	85	-60
TCRD023	140	RC	WGS84_35S	562212.8	8744868.6	1229.8	265	-60
TCRD024	350	RC	WGS84_35S	562125.1	8744610.8	1229.13	85	-60
TCRD025	289.79999	RC	WGS84_35S	562191.3	8744563.8	1229.6899	85	-60
TCRD025DT	289.79999	DD	WGS84_35S	562191.3	8744563.8	1229.6901	85	-60
TCRD026	318	RC	WGS84_35S	562143.1	8744559.2	1229.14	85	-60
TCRD026DT	318	DD	WGS84_35S	562143.1	8744559.2	1229.14	85	-60
TCRD027	100	RC	WGS84_35S	562089.7	8744554.3	1228.08	85	-60
TCRD028	120	RC	WGS84_35S	562040.7	8744549.3	1227.61	85	-60
TCRD029	304.29999	RC	WGS84_35S	562110.7	8744661.8	1229.0699	85	-60
TCRD029DT	304.29999	DD	WGS84_35S	562110.7	8744661.8	1229.0701	85	-60
TCRD030	64	RC	WGS84_35S	562046	8744656.4	1228.03	85	-60
TCRD030DT	293	DD	WGS84_35S	562046	8744656.4	1228.03	85	-60
TCRD031	88	RC	WGS84_35S	561971.5	8744650.4	1227.66	85	-60
TCRD032	140	RC	WGS84_35S	562242.8	8744802.4	1229.4	85	-60
TCRD033	186.89999	RC	WGS84_35S	562429.3	8744390.2	1232.5	265	-60
TCRD033DT	186.89999	DD	WGS84_35S	562429.3	8744390.2	1232.5	265	-60
TCRD034	235.5	RC	WGS84_35S	562345.5	8744384.6	1230.9	85	-60
TCRD034DT	235.5	DD	WGS84_35S	562345.5	8744384.6	1230.9	85	-60
TCRD035	323	RC	WGS84_35S	562178.5	8744061	1230.8	265	-60
TCRD035DT	323	DD	WGS84_35S	562178.5	8744061	1230.8	265	-60
TCRD036	128.5	RC	WGS84_35S	562113	8744073.5	1226.8	265	-60
TCRD037	104	RC	WGS84_35S	562182.8	8744469.5	1229.14	85	-60
TCRD038	140	RC	WGS84_35S	562080.1	8744694.3	1227.5	85	-60
TCRD039	72	RC	WGS84_35S	562012.6	8744686.6	1226.9	85	-60
TCRD040	93	RD	WGS84_35S	562260	8744222.5	1202.7001	315	-60
TCRD041	93	RC	WGS84_35S	562291.7	8744274.1	1202.6001	280	-60
TCRD042	155.5	RD	WGS84_35S	562374	8744214	1199	270	-60
TCRD043	375.79999	RD	WGS84_35S	562350.1	8744315.4	1203	30	-70
TCRD044	117	RD	WGS84_35S	562359	8744284.3	1202.7001	80	-60
TCRD045	60	RD	WGS84_35S	562323.7	8744245.4	1202.6001	90	-60
TCRD046	100	RD	WGS84_35S	562389.3	8744095.7	1197.4	270	-60
TCRD047	237	RD	WGS84_35S	562382	8744276	1210.3	270	-60
TCRD047DT	237	DD	WGS84_35S	562382	8744276	1210.3		

TCRD048	297	RD	WGS84_35S	562555	8744230	1261.3	270	-60
TCRD048DT	297.5	DD	WGS84_35S	562555	8744230	1261.3		
TCRD049	269.60001	RD	WGS84_35S	562558.02	8744088.623	1240.208	270	-60
TCRD049DT	269.60001	DD	WGS84_35S	562558.02	8744088.623	1240.208		
TCRD050	233	RD	WGS84_35S	562535.2	8744038.798	1240.214	270	-60
TCRD050DT	233	DD	WGS84_35S	562535.2	8744038.798	1240.214		
TCRD051	100	RD	WGS84_35S	562371.3	8744429.8	1231.6001	270	-60
TCRD052	100	RD	WGS84_35S	562227.7	8744429.2	1225.8	270	-60
TCRD053	100	RD	WGS84_35S	562244.4	8744615.9	1229.7001	270	-60
TCRD054	100	RD	WGS84_35S	562361	8744619	1231.4	270	-60
TCRD055	93	RD	WGS84_35S	562051	8744606	1227.92	270	-60
TFDH009	200.2	DD	WGS84_35S	562014.864	8744697.691	1227.4	85	-60
TFDH010	503.20001	RD	WGS84_35S	561817.429	8744774.66	1225.71	85	-60
TFRC105	150	RC	WGS84_35S	561775.5	8744900.9	1224.5	90	-60
TFRC106	140	RC	WGS84_35S	562135.9	8744940	1229.2001	90	-60
TFRC107	75	RC	WGS84_35S	562085	8745070.5	1226.7001	270	-60
TFRC108	128	RC	WGS84_35S	562140	8744750	1229.3	270	-60
TFRC109	132	RC	WGS84_35S	561697.1	8744808.3	1224.6001	90	-60
TFRC110	150	RC	WGS84_35S	561846.5	8744710.1	1226.5	90	-60
TFRC111	100	RC	WGS84_35S	561795	8744550	1226.52	0	-90
TFRC112	81	RC	WGS84_35S	562880	8744558	1236.77	0	-90
TFRC113	69	RC	WGS84_35S	561750	8744588	1225.7	90	-60
STCDH_001	297	DD	WGS84_35S	562314.071	8744211.096	1160.326	298.60001	-89.099998
STCDH_002	80	DD	WGS84_35S	562468.412	8744057.948	1165.005	272.20001	-60.200001
STCDH_003	234	DD	WGS84_35S	562394.644	8744213.769	1160.239	30.700001	-89.699997
STCDH_004	157	DD	WGS84_35S	562399.269	8744209.688	1160.236	88.199997	-63.700001
STCDH_005	18	DD	WGS84_35S	562396.117	8744252.87	1159.973	84.099998	-60.799999
STCDH_006	151	DD	WGS84_35S	562398.946	8744253.149	1160.02	87.699997	-65.099998
STCDH_007	18	DD	WGS84_35S	562293.891	8744225.312	1159.8459	93.300003	-65.300003
STCDH_008	59	DD	WGS84_35S	562295.713	8744225.042	1159.92	91.5	-60.200001
STCDH_009	252	DD	WGS84_35S	562294.946	8744225.172	1159.839	85.800003	-59
STCDH_010	35.599998	DD	WGS84_35S	562390.656	8744140.161	1160.281	270	-65.400002
STCDH_011	60	DD	WGS84_35S	562394.905	8744163.838	1160.1021	91.599998	-51.5
STCDH_012	210	DD	WGS84_35S	562314	8744137	1160	271.79999	-62
STCDH_013	204.45	DD	WGS84_35S	562341.956	8744089.959	1160.3979	337.60001	-89.800003
STCDH_014	256	DD	WGS84_35S	562389.907	8744164.721	1160.142	271.39999	-67.5
STCDH_015	75	DD	WGS84_35S	562079.333	8743908.404	1187.5811	94.099998	-61.299999
STCDH_016	65.5	DD	WGS84_35S	562064.163	8743931.603	1187.5811	318.10001	-89.699997
STCDH_017	104	DD	WGS84_35S	562237.396	8744046.259	1157.639	43.900002	-89.800003
STCDH_018	90	DD	WGS84_35S	562317.915	8743971.916	1157.6281	182.2	-50.200001
STCDH_019	119	DD	WGS84_35S	562246.91	8744068.199	1157.829	272.70001	-60.099998
STCDH_020	69	DD	WGS84_35S	562278.29	8743970.829	1157.411	269.89999	-59.400002
STCDH_021	98.230003	DD	WGS84_35S	562234.999	8743956.968	1157.2	184.10001	-59.700001
STCDH_022	182.85001	DD	WGS84_35S	562238.621	8743966.456	1157.2791	182.39999	-80.5
STCDH_023	231.8	DD	WGS84_35S	562253.364	8743969.977	1157.306	272.29999	-60.099998
STCDH_024	350	DD	WGS84_35S	562514.505	8744528.729	1211.454	223.8	-52.599998
STCDH_025	168.5	DD	WGS84_35S	562223.991	8743967.122	1157.343	269	-60.5
STCDH_026	58	DD	WGS84_35S	562419.137	8744122.043	1157.646	88.699997	-59.599998
STCDH_027	386	DD	WGS84_35S	562106.314	8744225.866	1205.525	52.099998	-52.900002
STCDH_028	167.2	DD	WGS84_35S	562300.096	8744026.939	1157.6851	270.20001	-61.900002
STCDH_029	147.2	DD	WGS84_35S	562328.287	8744048.365	1157.684	267.79999	-64.5
STCDH_030	123.1	DD	WGS84_35S	562264.79	8743950.359	1157.168	179.89999	-70.300003
STCDH_031	108	DD	WGS84_35S	562265.554	8743968.151	1157.384	175.5	-70
STCDH_032	147.60001	DD	WGS84_35S	562264.808	8744023.949	1157.4871	270	-60.099998
STCDH_033	222	DD	WGS84_35S	562417.946	8744034.914	1157.4449	276.70001	-60.400002
STCDH_034	127.6	DD	WGS84_35S	562421.77	8744078.872	1157.423	90	0
STCDH_035	240	DD	WGS84_35S	562405.045	8744058.15	1157.443	273.70001	-70.099998
STCDH_036	250	DD	WGS84_35S	562429.231	8744080.982	1157.385	271.20001	-62.5
STCDH_037	136.7	DD	WGS84_35S	562460.089	8744125.762	1157.197	90	0
STCDH_038	242.60001	DD	WGS84_35S	562268.121	8744304.889	1182.588	91.800003	-59.099998
STCDH_039	319.10001	DD	WGS84_35S	562222.902	8744237.932	1182.7371	94.300003	-61.400002
STCDH_040	19.5	DD	WGS84_35S	562219.139	8744215.508	1182.595	87.599998	-60.599998
STCDH_041	360	DD	WGS84_35S	562221.599	8744215.703	1182.548	94.099998	-60.5

STCDH_042	15	DD	WGS84_35S	562266.315	8744304.916	1182.609	97	-79.300003
STCDH_043	110.5	DD	WGS84_35S	562139.01	8744064.937	1180.014	95.099998	-60.200001
STCDH_044	151.5	DD	WGS84_35S	562201.816	8744135.302	1179.923	96.199997	-60
STCDH_045	51.799999	DD	WGS84_35S	562209.994	8744163.072	1180.017	93.5	-62.299999
STCDH_046	330.60001	DD	WGS84_35S	562209.712	8744161.568	1179.996	89.5	-60.400002
STCDH_047	50	DD	WGS84_35S	562423.368	8744119.596	1157.6479	88.199997	-1.9
STCDH_048	190.5	DD	WGS84_35S	562325.701	8744340.968	1177.321	273.60001	-60.099998
STCDH_049	333.5	DD	WGS84_35S	562347.026	8744352.27	1177.522	97	-82.400002
STCDH_050	354.5	DD	WGS84_35S	562275.148	8744300.291	1180.188	95.5	-80.900002
STCDH_051	136.36	DD	WGS84_35S	562386.098	8744359.78	1177.62	204	-58.5
STCDH_052	349	DD	WGS84_35S	562446.389	8744343.705	1177.819	271.79999	-61.200001
STCDH_053	330	DD	WGS84_35S	562314.554	8744161.67	1152.4659	273.39999	-69.900002
STCDH_054	225	DD	WGS84_35S	562345.717	8744164.511	1152.701	273	-65
STCDH_055	267	DD	WGS84_35S	562386.571	8744139.898	1152.673	274.5	-61.599998
STCDH_056	261	DD	WGS84_35S	562294.974	8744121.597	1157.78	192.3	-59.700001
STCDH_057	115	DD	WGS84_35S	562112.58	8744610.992	1205.348	273	-68
STCDH_058	209.2	DD	WGS84_35S	562330.76	8744475.579	1208.557	70	-6.3000002
STCDH_059	173.5	DD	WGS84_35S	562297.013	8744475.343	1207.7371	280.60001	-65.5
STCDH_060	361	DD	WGS84_35S	562470.262	8744290.215	1169.87	272	-60.700001
STCDH_061	301	DD	WGS84_35S	562454.31	8744283.163	1169.8879	180.3	-58.900002
STCDH_062	250	DD	WGS84_35S	562401.343	8744340.072	1170.0959	268.20001	-60.700001
STCDH_063	250	DD	WGS84_35S	562452.1	8744319.16	1169.911	225.39999	-73.300003
STCDH_064	322.39999	DD	WGS84_35S	562478.665	8744188.001	1170.056	269.89999	-58.400002
STCDH_065	190	DD	WGS84_35S	562374.076	8744355.046	1170.285	95.599998	-62.900002
STCDH_066	205	DD	WGS84_35S	562435.524	8744336.125	1169.54	102.5	-85
STCDH_067	167.3	DD	WGS84_35S	562309.258	8744401.519	1208.834	90	0
STCDH_068	214.89999	DD	WGS84_35S	562352.14	8744454.54	1209.087	90	0
STCDH_069	216	DD	WGS84_35S	562488.716	8744438.173	1207.422	273	-60
STCDH_070	315	DD	WGS84_35S	562348.001	8744428.921	1209.12	39.400002	-61.400002
STCDH_071	300	DD	WGS84_35S	562461.144	8744399.738	1207.163	273.60001	-61.200001
STCDH_072	171.5	DD	WGS84_35S	562431.964	8744418.289	1208.736	274.20001	-70.199997
STCDH_073	154	DD	WGS84_35S	562174.778	8744499.157	1206.2321	15.5	-65.800003
STCDH_074	328	DD	WGS84_35S	562199.363	8744400.063	1203.663	93	-70
STFDH_001	350	DD	WGS84_35S	561868.013	8744717.948	1203.558	359.79999	-49.799999
STFDH_002	350	DD	WGS84_35S	561820.838	8744860.393	1202.656	70.900002	-50.400002
STFDH_003	85	DD	WGS84_35S	561980.248	8744903.992	1166.546	95.5	-60.200001
STFDH_004	240	DD	WGS84_35S	561923.768	8744872.944	1166.7581	85	-58
STFDH_005	118	DD	WGS84_35S	561914.001	8744847.957	1167.0389	94.099998	-60.799999
STFDH_006	180.2	DD	WGS84_35S	561950.83	8744849.859	1166.783	92.900002	-59.900002
STFDH_007	138	DD	WGS84_35S	561991.914	8744851.116	1166.344	93.300003	-65.300003
STFDH_008	130	DD	WGS84_35S	562027.296	8744852.849	1166.426	93	-60
STFDH_009	200	DD	WGS84_35S	562035.37	8744827.911	1166.384	93.800003	-59.299999
STFDH_010	102.5	DD	WGS84_35S	562007.546	8744875.885	1166.3149	94.400002	-59.900002
STFDH_011	96.099998	DD	WGS84_35S	561948.341	8744806.568	1167.179	189.39999	-80
STFDH_012	157.8	DD	WGS84_35S	561990.779	8744800.88	1167.277	278.29999	-81
STFDH_013	301.60001	DD	WGS84_35S	561932.029	8744817.822	1167.27	93	-60
STFDH_014	249.7	DD	WGS84_35S	561982.968	8744822.325	1167.015	91.099998	-61.200001
STFDH_015	33.5	DD	WGS84_35S	562004.77	8744907.131	1166.2469	94.099998	-61.299999
STFDH_016	228	DD	WGS84_35S	562018.614	8744801.973	1166.91	270.39999	-58.700001
STFDH_017	210	DD	WGS84_35S	562131.306	8744722.861	1206.807	93	-85
STFDH_018	96.400002	DD	WGS84_35S	561964.096	8744717.056	1203.621	273	-70
STFDH_019	238	DD	WGS84_35S	562184.601	8744798.837	1207.292	167.89999	-60.700001
STFDH_020	149	DD	WGS84_35S	562170.035	8744746.394	1207.03	91.900002	-60.299999
STFDH_021	147.5	DD	WGS84_35S	562124.316	8744741.047	1206.6591	273	-55
STFDH_022	75	DD	WGS84_35S	562168.216	8744720.626	1207.036	90	0
STFDH_023	179.5	DD	WGS84_35S	562166.914	8744720.233	1207.025	86.199997	-79.300003
STFDH_024	210	DD	WGS84_35S	562121.738	8744740.42	1206.558	194.5	-63.099998
STFDH_025	171.5	DD	WGS84_35S	562069.774	8744792.1	1182.124	274.10001	-61.299999
STFDH_026	168	DD	WGS84_35S	562067.722	8744790.162	1182.2939	32.799999	-70
STFDH_027	431.39999	DD	WGS84_35S	562158.485	8744838.008	1207.874	60	-59.799999
STFDH_028	93	DD	WGS84_35S	562049.725	8744761.007	1185.1801	193	-70.800003
STFDH_029	193	DD	WGS84_35S	562071.632	8744791.126	1182.1479	273	-55
STFDH_030	159	DD	WGS84_35S	562225.441	8744702.45	1207.319	268.39999	-70.400002

STFDH_031	155	DD	WGS84_35S	562037.279	8744711.73	1204.74	93	-60

Hole_ID	Grid	Easting	Northing	RL	Azimuth	Dip	Max_Depth	Hole_Type
KPAC001	WGS84_35S	561348	8743550	1250	0	-90	40	AC
KPAC003	WGS84_35S	561333	8743648	1239.1801	0	-90	40	AC
KPAC004	WGS84_35S	561409	8743552	1250.3	0	-90	40	AC
KPAC007	WGS84_35S	561454	8743560	1240.0699	0	-90	40	AC
KPAC009	WGS84_35S	561452	8743660	1235.4399	0	-90	40	AC
KPAC012	WGS84_35S	560620	8744300	1236.64	0	-90	40	AC
KPAC013	WGS84_35S	560570	8744218	1238.64	0	-90	40	AC
KPAC016	WGS84_35S	560468	8743932	1245.25	0	-90	30	AC
KPAC018	WGS84_35S	560598	8743592	1249.29	0	-90	36	AC
KPAC020	WGS84_35S	560747	8743746	1244.74	0	-90	39	AC
KPAC022	WGS84_35S	560870	8743902	1241.26	0	-90	39	AC
KPAC023	WGS84_35S	560940	8743970	1239.4399	0	-90	39	AC
KPAC025	WGS84_35S	562325	8743292	1237.95	0	-90	45	AC
KPAC027	WGS84_35S	562604	8744450	1236.4301	0	-90	16	AC
KPAC029	WGS84_35S	562680	8744446	1237.23	0	-90	36	AC
KPAC031	WGS84_35S	562797	8744454	1237.7	0	-90	18	AC
KPAC033	WGS84_35S	562890	8744466	1238.11	0	-90	12	AC
KPAC036	WGS84_35S	563048	8744462	1237.05	0	-90	39	AC
KPAC038	WGS84_35S	562556	8744236	1238.5601	0	-90	39	AC
KPAC039	WGS84_35S	562606	8744240	1239.35	0	-90	39	AC
KPAC041	WGS84_35S	562703	8744252	1239.88	0	-90	39	AC
KPAC044	WGS84_35S	562854	8744250	1239.96	0	-90	39	AC
KPAC046	WGS84_35S	562959	8744264	1239.78	0	-90	39	AC
KPAC051	WGS84_35S	562638	8744046	1241.91	0	-90	39	AC
KPAC052	WGS84_35S	562682	8744046	1242.3101	0	-90	39	AC
KPAC054	WGS84_35S	562781	8744050	1243.9	0	-90	36	AC
KPAC056	WGS84_35S	562887	8744056	1242.6	0	-90	39	AC
KPAC058	WGS84_35S	562981	8744060	1242.14	0	-90	27	AC
KPAC059	WGS84_35S	563033	8744062	1241.95	0	-90	36	AC
KPAC061	WGS84_35S	562769	8743852	1242.4399	0	-90	30	AC
KPAC062	WGS84_35S	562817	8743854	1242.58	0	-90	39	AC
KPAC063	WGS84_35S	562863	8743852	1243.03	0	-90	39	AC
KPAC065	WGS84_35S	562962	8743856	1242.62	0	-90	39	AC
KPAC067	WGS84_35S	563063	8743862	1242.62	0	-90	36	AC
KPAC069	WGS84_35S	563156	8743870	1242.42	0	-90	36	AC
KPAC070	WGS84_35S	563208	8743870	1242.01	0	-90	36	AC
KPAC072	WGS84_35S	562555	8743944	1241.78	0	-90	20	AC
KPAC075	WGS84_35S	562704	8743956	1242.78	0	-90	30	AC
KVDM001	WGS84_35S	563416	8743421	1254.4	90	-60	108	DD
TCAC002	WGS84_35S	562316	8744224	1224	0	-90	69	AC
TCAC003	WGS84_35S	562271.4	8744219.1	1230.9	0	-90	70	AC
TCAC005	WGS84_35S	562323.2	8744188.1	1232.1001	0	-90	69	AC
TCAC007	WGS84_35S	562273.8	8744167.2	1231.6001	65.300003	-88	69	AC
TCAC009	WGS84_35S	562215.6	8744156.1	1230.6001	3.4000001	-89.800003	64	AC
TCAC011	WGS84_35S	562217.2	8744216.1	1230.3	0	-90	69	AC
TCAC013	WGS84_35S	562316	8744270.5	1231.2001	0	-90	69	AC
TCAC014	WGS84_35S	562286.4	8744266.7	1230.7001	0	-90	69	AC
TCAC015	WGS84_35S	562261.9	8744262.5	1230.6001	227.2	-89	58	AC
TCAC016	WGS84_35S	562305.7	8744123.1	1232.9	0	-90	69	AC

TCAC018	WGS84_35S	562309	8744070	1229.3	0	-90	69	AC
TCAC021	WGS84_35S	562227.8	8744114.1	1231.4	129.8	-87.800003	69	AC
TCAC023	WGS84_35S	562254.2	8744075	1232.2001	0	-90	69	AC
TCAC025	WGS84_35S	562208.5	8744066.2	1231.4	0	-90	63	AC
TCAC030	WGS84_35S	562223.8	8744021.2	1232	0	-90	70	AC
TCAC032	WGS84_35S	562171.3	8744016.4	1230.75	0	-90	66	AC
TCAC034	WGS84_35S	562120	8744016.9	1229	0	-90	75	AC
TCAC037	WGS84_35S	562171.4	8743963.8	1231.2001	216.10001	-88.300003	51	AC
TCAC039	WGS84_35S	562121.1	8743959.2	1230.15	37.400002	-89.699997	75	AC
TCAC040	WGS84_35S	562097	8743959.2	1230.15	0	-90	33	AC
TCAC042	WGS84_35S	562216.2	8743921.2	1232.8	0	-90	58	AC
TCAC043	WGS84_35S	562191.5	8743918.7	1231.8	0	-90	15	AC
TCAC046	WGS84_35S	562109.5	8743912.1	1230.1001	11.8	-89.400002	58	AC
TCAC047	WGS84_35S	562079.6	8743910.3	1230	263.20001	-89	74	AC
TCAC049	WGS84_35S	562175.8	8744108.8	1230.6001	0	-90	54	AC
TCAC050	WGS84_35S	562150.1	8744110.2	1229.9	0	-90	64	AC
TCAC051	WGS84_35S	562125	8744108.6	1229.8	0	-90	39	AC
TCAC052	WGS84_35S	562100.4	8744103.3	1229.4	0	-90	39	AC
TCAC054	WGS84_35S	562153.6	8744061.4	1230.5	0	-90	75	AC
TCAC055	WGS84_35S	562127.5	8744059.7	1230.2001	0	-90	48	AC
TCAC056	WGS84_35S	562101.9	8744055.7	1229.9	0	-90	60	AC
TCAC060	WGS84_35S	561987.7	8744099.1	1229.85	0	-90	40	AC
TCAC063	WGS84_35S	562077.6	8744054.9	1229.4	0	-90	52	AC
TCAC064	WGS84_35S	562052.3	8744055.2	1229.1001	0	-90	63	AC
TCAC067	WGS84_35S	562028.1	8744053.2	1228.8	0	-90	52	AC
TCAC068	WGS84_35S	561953	8744050.2	1230.5	0	-90	39	AC
TCAC071	WGS84_35S	562046.1	8744007.5	1229.65	155.2	-88.5	67	AC
TCAC072	WGS84_35S	562021.5	8744006.5	1229.2001	0	-90	75	AC
TCAC074	WGS84_35S	561970.8	8744001.6	1231.16	0	-90	39	AC
TCAC076	WGS84_35S	561906.2	8743994	1231.03	0	-90	40	AC
TCAC078	WGS84_35S	562134	8744212	1229.3	0	-90	51	AC
TCAC080	WGS84_35S	562072.9	8744210	1228.3	0	-90	50	AC
TCAC082	WGS84_35S	562208.5	8744322.2	1229.7001	174.2	-89.400002	50	AC
TCAC084	WGS84_35S	562149.2	8744316.8	1229	0	-90	42	AC
TCAC086	WGS84_35S	562092.5	8744310.2	1228.3	0	-90	39	AC
TCAC088	WGS84_35S	562192.8	8744366.7	1229.3	0	-90	30	AC
TCAC089	WGS84_35S	562162.3	8744364	1228.8	0	-90	40	AC
TCAC091	WGS84_35S	562102.5	8744358.6	1228.5	0	-90	40	AC
TCAC092	WGS84_35S	562070.9	8744354	1228	0	-90	30	AC
TCAC093	WGS84_35S	562414.7	8744005.4	1238.1001	0	-90	42	AC
TCAC094	WGS84_35S	562382	8744010	1237.4	0	-90	42	AC
TCAC096	WGS84_35S	562868	8743782	1242.4	0	-90	57	AC
TCAC098	WGS84_35S	563017	8743746	1242.26	0	-90	69	AC
TCAC101	WGS84_35S	563237	8743548	1243.2	0	-90	57	AC
TCAC103	WGS84_35S	562806	8743808	1242.05	0	-90	72	AC
TCAC104	WGS84_35S	562705	8743840	1241.8	0	-90	69	AC
TCDH006	WGS84_35S	562463.8	8744268.4	1235.5	270	-60	236.5	DD
TCDH008	WGS84_35S	562423.6	8744182.2	1235.5	270	-60	138	DD
TCDH009	WGS84_35S	562407	8744136	1233.5	270	-60	122	DD
TCDH011	WGS84_35S	562335	8744178.3	1233.2001	270	-60	153	DD

TCDH012	WGS84_35S	562442.1	8744085.2	1237.3	270	-60	281	DD
TCDH014	WGS84_35S	562295.1	8744069.2	1233.5	270	-60	152.5	DD
TCDH015	WGS84_35S	562241	8744114	1231.7001	270	-60	125.2	DD
TCDH016	WGS84_35S	562280.3	8744166.1	1231.7001	270	-60	112.4	DD
TCDH017A	WGS84_35S	562381	8744382	1232.48	90	-60	161.10001	DD
TCDH018	WGS84_35S	562352	8744430	1232.5	90	-60	180.2	DD
TCDH021	WGS84_35S	562380.3	8744330.9	1232.7001	270	-60	170.5	DD
TCDH022	WGS84_35S	562435.1	8744302	1234	270	-60	210.60001	DD
TCDH024	WGS84_35S	562240.9	8744067.8	1232	270	-60	140.10001	DD
TCDH026	WGS84_35S	562238	8744020	1232.3	270	-60	153.5	DD
TCDH028	WGS84_35S	562411	8744186	1234.85	270	-60	152.2	DD
TCDM002	WGS84_35S	562463.9	8744246.6	1236.13	270	-60	141.60001	DM
TCRC041	WGS84_35S	562396.3	8744034.6	1237.2001	0	-90	91	RC
TCRC044	WGS84_35S	562341.1	8744073.4	1234.2001	272.5	-59.599998	120	RC
TCRC046	WGS84_35S	562329.9	8744125.4	1233.7001	270	-60	95	RC
TCRC048	WGS84_35S	562389.5	8744183.5	1234.5	268	-59.400002	90	RC
TCRC050	WGS84_35S	562325.8	8744374.7	1231.2001	89.400002	-59.799999	89	RC
TCRC052	WGS84_35S	562353.8	8744328.3	1231.7001	270	-60	90	RC
TCRC053	WGS84_35S	562290.4	8744326.7	1230.4	270	-60	76	RC
TCRC055	WGS84_35S	562234.3	8744330	1230.2001	270.70001	-60	71	RC
TCRC057	WGS84_35S	562260.6	8744372.9	1230.1001	90.599998	-58.900002	81	RC
TCRC059	WGS84_35S	562318	8744430	1231.64	90.699997	-60.299999	90	RC
TCRC063	WGS84_35S	562316.9	8744475.2	1231.1001	90	-60	90	RC
TCRC065	WGS84_35S	562424.2	8744537	1232.9	90.800003	-61	60	RC
TCRC066	WGS84_35S	562395.4	8744532.8	1232.4	90	-60	60	RC
TCRC069	WGS84_35S	562306	8744538	1231.2001	85.800003	-60.700001	50	RC
TCRC070	WGS84_35S	562485.8	8744389.7	1230.7001	90	-60	63	RC
TCRC072	WGS84_35S	562519.9	8744192.1	1238	270	-60	84	RC
TCRC074	WGS84_35S	562396	8743925.7	1240.4	213.89999	-89.5	75	RC
TCRC075	WGS84_35S	562337.9	8743961.7	1243.2	0	-90	75	RC
TCRC078	WGS84_35S	562343.5	8743868.9	1239.1001	148.3	-89.699997	42	RC
TCRC080	WGS84_35S	562283.6	8743866.4	1240.3	72.800003	-86.199997	42	RC
TCRC083	WGS84_35S	562191.8	8743863.4	1231.9	59.299999	-88.699997	36	RC
TCRC085	WGS84_35S	562131.9	8743863.6	1230.6001	48.700001	-89.5	60	RC
TCRC088	WGS84_35S	562039.7	8743860.6	1230.1001	101.8	-89.900002	66	RC
TCRC093	WGS84_35S	562253.3	8744472.6	1230.1001	92.300003	-61.5	84	RC
TCRC094	WGS84_35S	562225.1	8744470.4	1229.5	94.099998	-58.700001	81	RC
TCRC096	WGS84_35S	562166.3	8744470.5	1228.3	95	-62	63	RC
TCRC098	WGS84_35S	562106.6	8744469.7	1227.4	93.099998	-59.700001	66	RC
TCRC101	WGS84_35S	562002.4	8744466.7	1227.4	91.099998	-61.400002	45	RC
TCRC103	WGS84_35S	562483	8744490.7	1234	92.099998	-59.299999	60	RC
TCRC104	WGS84_35S	562449.4	8744487.8	1233.4	90.900002	-60.400002	60	RC
TCRC106	WGS84_35S	562475.2	8744437.9	1234.1001	90.300003	-59.400002	48	RC
TCRC108	WGS84_35S	562533	8744043	1240.2001	268.79999	-59.599998	102	RC
TCRC109	WGS84_35S	562532	8744093	1239.5	269.70001	-60.700001	149	RC
TCRC110	WGS84_35S	562521	8744142	1239.1001	268.29999	-62.599998	146	RC
TCRC111	WGS84_35S	562523	8744195	1237.5	269.70001	-61.900002	128	RC
TCRC112	WGS84_35S	562501	8744237	1236.9	268.60001	-61.700001	139	RC
TCRC115	WGS84_35S	562441	8744163	1236.3	261	-60.200001	100	RC
TCRC117	WGS84_35S	562298	8744222	1232.6001	318.89999	-89.699997	78	RC

TCRC119	WGS84_35S	562287	8744270	1231.3	120.3	-89.5	90	RC
TCRC121	WGS84_35S	562178	8744061	1230.65	0	-90	75	RC
TCRC124	WGS84_35S	562132	8744210	1229.2001	0	-90	75	RC
TCRC125	WGS84_35S	562133	8744362	1228.4	0	-90	52	RC
TCRC127	WGS84_35S	562243	8744525	1231.09	0	-90	60	RC
TCRC130	WGS84_35S	562401	8744162	1230.9	270	-60	82	RC
TCRC133	WGS84_35S	562360	8744162	1233.4	270	-60	70	RC
TCRC134	WGS84_35S	562320	8744161	1232.7001	270	-60	64	RC
TCRC136	WGS84_35S	562237	8744141	1231.7001	270	-60	69	RC
TCRC138	WGS84_35S	562276	8744026	1231.3	270	-60	71	RC
TCRC139	WGS84_35S	562277	8743940	1212.6001	132	-50	58	RC
TCRC140	WGS84_35S	562265	8743946	1213.87	270	-50	69	RC
TCRC143	WGS84_35S	562286.7	8744016.9	1227.6001	0	-90	101	RC
TCRC145	WGS84_35S	562297.9	8744530.5	1230.4	270	-60	61	RC
TCRC148	WGS84_35S	562122.1	8744522.9	1228.25	270	-60	120	RC
KVDH001	WGS84_35S	563412.9	8743365.5	1225	90	-60	129	DD
KVDH004	WGS84_35S	563355.6	8743511.7	1251.2001	90	-60	164	DD
KVRC001	WGS84_35S	563457.4	8743442.9	1262.9	87	-60.299999	57	RC
KVRC003	WGS84_35S	563400.2	8743442.2	1257.5	274	-59.700001	72	RC
KVRC005	WGS84_35S	563403.3	8743488.2	1258.4	89.099998	-59.799999	50	RC
KVRC008	WGS84_35S	563485.5	8743443.6	1258.1001	83.300003	-60.200001	87	RC
KVRC012	WGS84_35S	563452.5	8743342.8	1247.2001	93	-61.099998	97	RC
KVRC013	WGS84_35S	563368.8	8743516.9	1251.9	95.400002	-61	97	RC
KVRC016	WGS84_35S	563395.5	8743514.1	1255.8	96.800003	-60.700001	92	RC
KVTR005	WGS84_35S	563501	8743526	1245.17	0	-90	108	PT
TCDH001	WGS84_35S	562470.2	8744236.6	1236.4	270	-60	389	DD
TCDH003	WGS84_35S	562502.7	8744042.9	1240.1899	270	-60	158	DD
TCDH005	WGS84_35S	562465.3	8744340.8	1234.7001	270	-60	198.3	DD
TCRC003	WGS84_35S	562368.1	8744236.7	1233.1001	270	-60	110	RC
TCRC005	WGS84_35S	562419.9	8744036.7	1237.8	269.39999	-61.400002	87	RC
TCRC007	WGS84_35S	562490.2	8744142.2	1238.1001	272.79999	-60.799999	80	RC
TCRC010	WGS84_35S	562489.4	8744192	1237.3	270.60001	-57.299999	67	RC
TCRC011	WGS84_35S	562447.2	8744187.4	1236.25	270.5	-60.599998	67	RC
TCRC012	WGS84_35S	562396.2	8744186.6	1234.75	269.39999	-60.799999	75	RC
TCRC014	WGS84_35S	562458.9	8744040.5	1239.2001	269.10001	-59.700001	57	RC
TCRC016	WGS84_35S	562399.7	8744436	1232.5	94.900002	-59.099998	52	RC
TCRC019	WGS84_35S	562480.2	8744342.2	1235.4	274	-61.299999	50	RC
TCRC022	WGS84_35S	562455.4	8744295.1	1235.15	270	-60	52	RC
TCRC024	WGS84_35S	562399.5	8744228.8	1232.7001	269.89999	-60.599998	82	RC
TCRC026	WGS84_35S	562455.2	8743995.7	1240	318	-61.799999	77	RC
TCRC028	WGS84_35S	562457.2	8743943.2	1240.5	318.20001	-55.299999	102	RC
TCRC030	WGS84_35S	562378.9	8744299.1	1232.6001	270	-60	82	RC
TCRC033	WGS84_35S	562416.8	8744488.8	1233	93.699997	-57.799999	67	RC
TCRC035	WGS84_35S	562413.7	8744337.5	1233.3	267.70001	-59.599998	105	RC
TCRC037	WGS84_35S	562380.8	8744436.6	1232.3	88.099998	-55.5	110	RC
TCRC039	WGS84_35S	562383.7	8744222.1	1234	172.89999	-88.900002	73	RC
TCTR002	WGS84_35S	562441	8744238	1240.3	0	-90	8	PT
TCTR004	WGS84_35S	562421	8744264	1240.3	0	-90	6	PT
TCTR006	WGS84_35S	562380	8744030	1237.3	0	-90	42	PT
TCTR007	WGS84_35S	562384	8744138	1235.3	0	-90	52	PT

TCTR009	WGS84_35S	562382	8744296	1232.3	0	-90	31	PT
TFDH001	WGS84_35S	561877.4	8744815.8	1226.2001	90	-60	161.8	DD
TFRC002	WGS84_35S	561941.3	8744922.7	1225.8	92.900002	-60.299999	77	RC
TFRC003	WGS84_35S	561895.9	8744917.2	1226.5	87.900002	-59	58	RC
TFRC005	WGS84_35S	561979.7	8744826	1227.15	96.5	-58.200001	57	RC
TFRC007	WGS84_35S	561940.1	8744875	1223.2001	90	-60	52	RC
TFRC011	WGS84_35S	562050.4	8744934.3	1229.9	87.400002	-61.299999	50	RC
TFRC013	WGS84_35S	562017.5	8744729.6	1227.3	90	-60.099998	57	RC
TFRC014	WGS84_35S	562065.5	8744732.6	1227.9	90	-60	50	RC
TFRC015	WGS84_35S	562032.6	8744833.7	1228.15	94.400002	-63	53	RC
TFRC016	WGS84_35S	561992.1	8744878.8	1227.9	93	-59	53	RC
TFRC018	WGS84_35S	562077.3	8744835	1227.9	92.099998	-61.299999	57	RC
TFRC022	WGS84_35S	562004.8	8744829.5	1227.5	90	-60	85	RC
TFRC024	WGS84_35S	561915.8	8744872.4	1224.3	90	-60	77	RC
TFTR002	WGS84_35S	561978	8744875	1219.9399	0	-90	34	PT
TFTR004	WGS84_35S	562099	8744883	1229.75	0	-90	81	PT
TFTR006	WGS84_35S	562010	8744960	1231	0	-90	62	PT
TFTR007	WGS84_35S	561977	8744772	1227.3	0	-90	44	PT
TSDH001	WGS84_35S	562285.5	8743999.7	1235.3	210	-60	158	DD
TSRC002	WGS84_35S	562265.3	8744003.5	1232.4	210.2	-62	72	RC
TSRC004	WGS84_35S	562216.6	8743973.5	1219.9	290	-60	67	RC
TSTR002	WGS84_35S	562328	8743916	1233.92	0	-90	27	PT
KPAC076	WGS84_35S	562668	8743884	1242.0699	0	-90	51	AC
KPAC078	WGS84_35S	562593	8743876	1241.65	0	-90	65	AC
KPAC080	WGS84_35S	562543	8743870	1241.62	0	-90	40	AC
KPAC082	WGS84_35S	562783	8743844	1242.42	0	-90	50	AC
KPAC083	WGS84_35S	562758	8743848	1242.47	0	-90	28	AC
KPAC086	WGS84_35S	562683	8743832	1241.79	0	-90	60	AC
KPAC088	WGS84_35S	562894.6	8743812.5	1242.5	0	-90	40	AC
KPAC089	WGS84_35S	562870	8743809	1242.2001	0	-90	36	AC
KPAC093	WGS84_35S	562735.9	8743794.8	1241.4	0	-90	50	AC
KPAC095	WGS84_35S	562691	8743806	1241.59	0	-90	45	AC
KPAC097	WGS84_35S	562641	8743786	1240.9	0	-90	53	AC
KPAC101	WGS84_35S	563080	8743784	1242.6801	0	-90	32	AC
KPAC104	WGS84_35S	562955	8743774	1240.72	0	-90	48	AC
KPAC105	WGS84_35S	562955	8743774	1240.72	0	-90	70	AC
KPAC107	WGS84_35S	562905	8743762	1242.25	0	-90	51	AC
KPAC111	WGS84_35S	562806.8	8743754.1	1241.5	0	-90	45	AC
KPAC113	WGS84_35S	562757.1	8743746.6	1241.2001	0	-90	18	AC
KPAC114	WGS84_35S	562732.1	8743745.4	1241.1001	0	-90	50	AC
KPAC117	WGS84_35S	562657	8743737.1	1240.4	0	-90	57	AC
KPAC123	WGS84_35S	563099	8743740	1242.54	0	-90	45	AC
KPAC125	WGS84_35S	563024	8743732	1242.35	0	-90	43	AC
KPAC127	WGS84_35S	562974	8743726	1242.13	0	-90	26	AC
KPAC128	WGS84_35S	562949	8743726	1242.11	0	-90	36	AC
KPAC130	WGS84_35S	562900.2	8743715.8	1241.9	0	-90	76	AC
KPAC131	WGS84_35S	562875.5	8743714.2	1241.7001	0	-90	61	AC
KPAC136	WGS84_35S	562750	8743698	1240.8	0	-90	45	AC
KPAC138	WGS84_35S	562700.7	8743693.5	1240.6001	0	-90	38	AC
KPAC143	WGS84_35S	562574	8743719	1240.12	0	-90	21	AC

KPAC145	WGS84_35S	563127	8743694	1242.24	0	-90	58 AC
KPAC146	WGS84_35S	563101.8	8743689.8	1242.2001	0	-90	57 AC
KPAC147	WGS84_35S	563053.4	8743686.1	1242.1001	0	-90	41 AC
KPAC148	WGS84_35S	563027.7	8743683.9	1242	0	-90	72 AC
KPAC151	WGS84_35S	562952.9	8743678.9	1241.9	0	-90	48 AC
KPAC153	WGS84_35S	562902.4	8743675.9	1241.7001	0	-90	48 AC
KPAC156	WGS84_35S	562826.6	8743671.1	1241.2001	0	-90	17 AC
KPAC158	WGS84_35S	562775	8743688	1241.46	0	-90	35 AC
KPAC160	WGS84_35S	562724	8743690	1241.11	0	-90	50 AC
KPAC161	WGS84_35S	562700	8743688	1241.03	0	-90	53 AC
KPAC163	WGS84_35S	562648	8743690	1240.41	0	-90	39 AC
KPAC164	WGS84_35S	562624	8743688	1240.29	0	-90	39 AC
KPAC166	WGS84_35S	562575	8743690	1240.2869	0	-90	20 AC
KPAC169	WGS84_35S	563143.8	8743640.8	1243.1001	0	-90	64 AC
KPAC170	WGS84_35S	563107.3	8743638.3	1242.2001	0	-90	50 AC
KPAC172	WGS84_35S	563054.4	8743638.1	1241.9	0	-90	54 AC
KPAC174	WGS84_35S	563007.1	8743634.3	1241.8	0	-90	48 AC
KPAC175	WGS84_35S	562981.3	8743632.4	1241.8	0	-90	40 AC
KPAC176	WGS84_35S	562957	8743630.7	1241.7001	0	-90	44 AC
KPAC179	WGS84_35S	562881	8743627.7	1241.4	0	-90	30 AC
KPAC180	WGS84_35S	562894	8743642	1241.98	0	-90	39 AC
KPAC181	WGS84_35S	562819	8743644	1241.63	0	-90	36 AC
KPAC182	WGS84_35S	562794	8743642	1242.02	0	-90	39 AC
KPAC186	WGS84_35S	562694	8743642	1241.0601	0	-90	48 AC
KPAC190	WGS84_35S	562594	8743642	1240.14	0	-90	46 AC
KPAC192	WGS84_35S	562544	8743642	1239.46	0	-90	66 AC
KPAC193	WGS84_35S	562519	8743642	1239.26	0	-90	60 AC
KPAC196	WGS84_35S	563234	8743644	1242.71	0	-90	30 AC
KPAC197	WGS84_35S	563259	8743644	1242.89	0	-90	45 AC
KPAC199	WGS84_35S	563309	8743644	1242.91	0	-90	30 AC
KPAC201	WGS84_35S	563286.9	8743599.7	1243	0	-90	60 AC
KPAC204	WGS84_35S	563212.1	8743599.7	1242.6001	0	-90	60 AC
KPAC206	WGS84_35S	563161.3	8743592	1242.4	0	-90	47 AC
KPAC208	WGS84_35S	563110.7	8743588.9	1242.2001	0	-90	51 AC
KPAC210	WGS84_35S	563060.5	8743583.7	1242	0	-90	54 AC
KPAC213	WGS84_35S	562985.1	8743580	1241.9	0	-90	35 AC
KPAC215	WGS84_35S	562939.5	8743577	1241.8	0	-90	51 AC
KPAC217	WGS84_35S	562884	8743600	1242.4399	0	-90	23 AC
KPAC218	WGS84_35S	562859	8743600	1241.92	0	-90	40 AC
KPAC219	WGS84_35S	562834	8743600	1241.5	0	-90	33 AC
KPAC220	WGS84_35S	562809	8743600	1241.33	0	-90	45 AC
KPAC221	WGS84_35S	562784	8743600	1241.37	0	-90	41 AC
KPAC223	WGS84_35S	562734	8743600	1241.47	0	-90	40 AC
KPAC226	WGS84_35S	563189.7	8743543.9	1242.7001	0	-90	33 AC
KPAC227	WGS84_35S	563166.5	8743541.6	1242.8	0	-90	49 AC
KPAC229	WGS84_35S	563115.4	8743538.1	1242.4	0	-90	24 AC
KPAC230	WGS84_35S	563090.7	8743536.4	1242.3	0	-90	38 AC
KPAC234	WGS84_35S	562984	8743544	1242.4399	0	-90	47 AC
KPAC235	WGS84_35S	562934	8743544	1242.25	0	-90	45 AC
KPAC237	WGS84_35S	562834	8743544	1241.9399	0	-90	41 AC

KPAC239	WGS84_35S	563275.8	8743493.8	1243.5	0	-90	52 AC
KPAC240	WGS84_35S	563252.3	8743492.7	1243.3	0	-90	45 AC
KPAC241	WGS84_35S	563227.7	8743491.7	1242.9	0	-90	64 AC
KPAC242	WGS84_35S	563202.7	8743490.4	1242.9	0	-90	40 AC
KPAC245	WGS84_35S	563127.3	8743483.3	1242.5	0	-90	59 AC
KPAC247	WGS84_35S	563047	8743496	1242.85	0	-90	48 AC
KPAC249	WGS84_35S	562947	8743496	1242.75	0	-90	39 AC
KPAC251	WGS84_35S	563197	8743446	1243.3101	0	-90	51 AC
KPAC253	WGS84_35S	562897	8743496	1242.67	0	-90	38 AC
KPAC254	WGS84_35S	562847	8743496	1242.36	0	-90	43 AC
KPAC256	WGS84_35S	563097	8743446	1242.9301	0	-90	45 AC
KPAC258	WGS84_35S	563297	8743381	1244.3	0	-90	33 AC
KPAC259	WGS84_35S	563272	8743381	1243.87	0	-90	23 AC
KPAC260	WGS84_35S	563247	8743381	1243.67	0	-90	33 AC
KPAC262	WGS84_35S	563147	8743381	1243.21	0	-90	30 AC
KPAC263	WGS84_35S	563097	8743381	1245.08	0	-90	48 AC
KPAC265	WGS84_35S	562997	8743381	1243.15	0	-90	45 AC
KPAC267	WGS84_35S	562897	8743381	1242.72	0	-90	55 AC
KPAC268	WGS84_35S	562847	8743381	1242.34	0	-90	51 AC
KPAC269	WGS84_35S	562797	8743381	1242.1899	0	-90	51 AC
KPAC271	WGS84_35S	562697	8743381	1241.5601	0	-90	32 AC
KPAC272	WGS84_35S	562647	8743381	1240.58	0	-90	36 AC
KPAC274	WGS84_35S	563272	8743316	1243.73	0	-90	47 AC
KPAC276	WGS84_35S	563197	8743316	1243.6801	0	-90	44 AC
KPAC278	WGS84_35S	563097	8743316	1243.36	0	-90	56 AC
KPAC279	WGS84_35S	563047	8743316	1243.02	0	-90	58 AC
KPAC280	WGS84_35S	562997	8743316	1243.2	0	-90	42 AC
KPAC282	WGS84_35S	562897	8743316	1242.77	0	-90	51 AC
KPAC283	WGS84_35S	562847	8743316	1242.6	0	-90	27 AC
KPAC284	WGS84_35S	562797	8743316	1242.26	0	-90	24 AC
KPAC285	WGS84_35S	562747	8743316	1241.98	0	-90	21 AC
KPAC291	WGS84_35S	563290	8743244	1245.54	0	-90	51 AC
KPAC293	WGS84_35S	563240	8743244	1243.91	0	-90	39 AC
KPAC294	WGS84_35S	563190	8743244	1243.37	0	-90	37 AC
KPAC296	WGS84_35S	563090	8743244	1243.53	0	-90	51 AC
KPAC297	WGS84_35S	563040	8743244	1243.24	0	-90	51 AC
KPAC299	WGS84_35S	562940	8743244	1243.28	0	-90	49 AC
KPAC303	WGS84_35S	563490	8743194	1241.99	0	-90	46 AC
KPAC305	WGS84_35S	563440	8743194	1242.47	0	-90	51 AC
KPAC307	WGS84_35S	563390	8743194	1242.9	0	-90	52 AC
KPAC310	WGS84_35S	563240	8743194	1244.04	0	-90	48 AC
KPAC312	WGS84_35S	563190	8743194	1244	0	-90	51 AC
KPAC314	WGS84_35S	563465	8743144	1241.97	0	-90	58 AC
KPAC316	WGS84_35S	563490	8743144	1241.64	0	-90	46 AC
KPAC317	WGS84_35S	563515	8743144	1241.42	0	-90	54 AC
KPAC318	WGS84_35S	563540	8743144	1241.11	0	-90	51 AC
KPAC319	WGS84_35S	563565	8743144	1240.67	0	-90	51 AC
KPAC320	WGS84_35S	563590	8743144	1240.95	0	-90	48 AC
KPAC321	WGS84_35S	563615	8743144	1240.34	0	-90	54 AC
KPAC322	WGS84_35S	563636	8743144	1240	0	-90	39 AC

KPAC323	WGS84_35S	563570	8743094	1240.8	0	-90	54	AC
KPAC326	WGS84_35S	563605	8743194	1240.7	0	-90	42	AC
KPAC328	WGS84_35S	562503	8744646	1233.39	0	-90	30	AC
KPAC329	WGS84_35S	562553	8744646	1233.87	0	-90	36	AC
KPAC331	WGS84_35S	562653	8744646	1234.79	0	-90	45	AC
KPAC334	WGS84_35S	562803	8744646	1235.47	0	-90	27	AC
KPAC335	WGS84_35S	562853	8744646	1235.0601	0	-90	45	AC
KPAC337	WGS84_35S	562953	8744646	1234.91	0	-90	45	AC
KPAC341	WGS84_35S	563153	8744646	1234.91	0	-90	45	AC
KPAC342	WGS84_35S	563203	8744646	1234.9301	0	-90	39	AC
KPAC345	WGS84_35S	563353	8744646	1234.4301	0	-90	45	AC
KPAC347	WGS84_35S	563453	8744646	1234.08	0	-90	45	AC
KPAC348	WGS84_35S	563503	8744646	1233.83	0	-90	45	AC
KPAC353	WGS84_35S	562754	8744852	1232.4301	0	-90	43	AC
KPAC354	WGS84_35S	562804	8744852	1232.74	0	-90	45	AC
KPAC356	WGS84_35S	562904	8744852	1233.08	0	-90	45	AC
KPAC359	WGS84_35S	563054	8744852	1233.29	0	-90	44	AC
KPAC363	WGS84_35S	563254	8744852	1233.64	0	-90	44	AC
KPAC365	WGS84_35S	563354	8744852	1232.87	0	-90	45	AC
KPAC366	WGS84_35S	563404	8744852	1233.01	0	-90	45	AC
KPAC367	WGS84_35S	563454	8744852	1232.84	0	-90	48	AC
KPAC368	WGS84_35S	563504	8744852	1232.34	0	-90	45	AC
KPAC371	WGS84_35S	562501	8745044	1229.99	0	-90	45	AC
KPAC372	WGS84_35S	562551	8745044	1230.1801	0	-90	45	AC
KPAC374	WGS84_35S	562651	8745044	1230.58	0	-90	35	AC
KPAC376	WGS84_35S	562751	8745044	1231.09	0	-90	39	AC
KPAC379	WGS84_35S	562901	8745044	1231.38	0	-90	48	AC
KPAC381	WGS84_35S	563001	8745044	1231.74	0	-90	48	AC
KPAC383	WGS84_35S	563101	8745044	1231.5601	0	-90	36	AC
KPAC385	WGS84_35S	563201	8745044	1231.88	0	-90	39	AC
KPAC386	WGS84_35S	563251	8745044	1231.46	0	-90	48	AC
KPAC387	WGS84_35S	563301	8745044	1231.59	0	-90	48	AC
KPAC390	WGS84_35S	563451	8745044	1230.78	0	-90	48	AC
KPAC392	WGS84_35S	562301	8745044	1229.17	0	-90	36	AC
KPAC394	WGS84_35S	562201	8745044	1228.95	0	-90	51	AC
KPAC395	WGS84_35S	562151	8745044	1228.12	0	-90	38	AC
KPDH002	WGS84_35S	563185.7	8743724.7	1242.53	200	-60	271.70001	DD
KPDH003	WGS84_35S	562976	8743720	1242.34	200	-60	111.6	DD
KPRC001	WGS84_35S	563125.9	8743691.6	1242.3101	225	-60	130	RC
KPRC004	WGS84_35S	562883.4	8743752	1242.1001	200	-60	106	RC
KPRC005	WGS84_35S	562866.6	8743705.7	1242	200	-60	150	RC
KPRC007	WGS84_35S	562995.3	8743792.5	1242.2001	200	-60	150	RC
KPRC009	WGS84_35S	562969.2	8743684.5	1241.7001	200	-60	81	RC
KPRC010	WGS84_35S	562959.8	8743651.1	1241.8	200	-60	100	RC
KPRC011	WGS84_35S	562946.4	8743612.1	1241.5	200	-60	86	RC
KPRC013	WGS84_35S	563076.8	8743710.3	1240.05	200	-60	121	RC
KPRC016	WGS84_35S	563179.1	8743705.8	1242.2001	200	-60	86	RC
KPRC017	WGS84_35S	563164	8743658.4	1242	200	-60	101	RC
KPRC019	WGS84_35S	563137.8	8743577.9	1242.3	200	-60	120	RC
KPRC020	WGS84_35S	563123	8743530.4	1242.4	200	-60	80	RC

KPRC022	WGS84_35S	563261.7	8743612.7	1242.7001	200	-60	130	RC
KPRC024	WGS84_35S	562592.4	8743886.3	1241.4	200	-60	80	RC
KPRC025	WGS84_35S	562577.4	8743839	1241	200	-60	86	RC
KPRC026	WGS84_35S	562684.2	8743834.7	1241.4	200	-60	150	RC
KPRC027	WGS84_35S	562666.6	8743765.4	1240.8	200	-60	100	RC
KPRC031	WGS84_35S	562792.8	8743828.5	1241.9	200	-60	120	RC
KPRC034	WGS84_35S	563248.3	8743565	1243	200	-60	120	RC
KPRC036	WGS84_35S	563235.5	8743693.3	1242.1001	200	-60	140	RC
KPRC038	WGS84_35S	563193.5	8743580.4	1242.4	200	-60	107	RC
KPRC039	WGS84_35S	563180.5	8743541.1	1242.6001	200	-60	100	RC
KPRC041	WGS84_35S	563118.9	8743653.8	1242.3	200	-60	140	RC
KPRC042	WGS84_35S	563101.4	8743617.6	1242	200	-60	100	RC
KPRC044	WGS84_35S	563054.1	8743797.8	1242.4	200	-60	120	RC
KPRC046	WGS84_35S	563027.1	8743711	1242	200	-60	97	RC
KPRC048	WGS84_35S	563005.1	8743632.2	1241.8	200	-60	89	RC
KPRC051	WGS84_35S	562627.5	8743808.6	1240.9	200	-60	120	RC
KPRC053	WGS84_35S	562656.4	8743902	1242	200	-60	100	RC
KPRC054	WGS84_35S	562753.3	8743878.6	1242.2001	200	-60	140	RC
KPRC056	WGS84_35S	562721.4	8743761.9	1241	200	-60	110	RC
KPRC059	WGS84_35S	562834.2	8743788.3	1241.9	200	-60	120	RC
KPRC063	WGS84_35S	562943.7	8743812.6	1242.4	200	-60	140	RC
KPRC064	WGS84_35S	562929.8	8743749.4	1242	200	-60	180	RC
KPRC066	WGS84_35S	562897.1	8743634.4	1241.6001	200	-60	59	RC
KPRC068	WGS84_35S	562544	8743742	1240.12	200	-60	80	RC
KPRC071	WGS84_35S	562740	8743690	1241.54	200	-60	57	RC
KPRC073	WGS84_35S	562986	8743590	1242.21	200	-60	80	RC
KPRC074	WGS84_35S	563039	8743542	1242.59	200	-60	80	RC
KPRC077	WGS84_35S	563216	8743380	1243.91	200	-60	80	RC
KVAC001	WGS84_35S	563643	8742290	1249.38	0	-90	70	AC
KVAC003	WGS84_35S	563446	8742298	1251.77	0	-90	50	AC
KVAC006	WGS84_35S	563145	8742284	1254.22	0	-90	50	AC
KVAC010	WGS84_35S	562752	8742294	1255	0	-90	50	AC
KVAC012	WGS84_35S	562550	8742290	1255.09	0	-90	50	AC
KVAC015	WGS84_35S	563540	8742467	1247.09	0	-90	70	RC
KVAC017	WGS84_35S	563348	8742467	1249.6801	0	-90	70	RC
KVAC019	WGS84_35S	563158	8742448	1252.15	0	-90	64	RC
KVAC021	WGS84_35S	562948	8742444	1252.95	0	-90	70	RC
KVAC024	WGS84_35S	562658	8742432	1253.37	0	-90	60	RC
KVAC026	WGS84_35S	562449	8742430	1253.47	0	-90	60	RC
KVAC028	WGS84_35S	563641	8742682	1242.78	0	-90	60	AC
KVAC029	WGS84_35S	563537	8742694	1244.12	0	-90	60	AC
KVAC030	WGS84_35S	563439	8742688	1245.87	0	-90	60	AC
KVAC035	WGS84_35S	562938	8742700	1249.36	0	-90	60	AC
KVAC037	WGS84_35S	562739	8742728	1249.24	0	-90	60	AC
KVAC039	WGS84_35S	562537	8742710	1248.64	0	-90	60	AC
KVAC041	WGS84_35S	562340	8742694	1248.41	0	-90	60	AC
KVAC044	WGS84_35S	563447	8742884	1243.8	0	-90	60	RC
KVAC048	WGS84_35S	563046	8742888	1246.26	0	-90	60	RC
KVAC050	WGS84_35S	562848	8742894	1247.42	0	-90	60	RC
KVAC051	WGS84_35S	562753	8742902	1247.1899	0	-90	60	RC

KVAC054	WGS84_35S	562445	8742884	1245.29	0	-90	60	RC
KVAC058	WGS84_35S	563439	8743108	1242.49	0	-90	60	AC
KVAC060	WGS84_35S	563238	8743098	1244.01	0	-90	60	AC
KVAC063	WGS84_35S	562927	8743100	1244.5	0	-90	60	AC
KVAC065	WGS84_35S	562726	8743098	1244	0	-90	60	AC
KVAC067	WGS84_35S	562624	8743102	1243.33	0	-90	60	AC
KVAC069	WGS84_35S	562329	8743102	1240.26	0	-90	60	AC
KVAC071	WGS84_35S	563491	8742010	1256.13	0	-90	60	RC
KVAC074	WGS84_35S	563200	8742102	1255.95	0	-90	60	RC
KVAC075	WGS84_35S	563107	8742096	1256.27	0	-90	60	RC
KVAC078	WGS84_35S	562821	8742092	1256.47	0	-90	60	RC
KVAC080	WGS84_35S	562616	8742118	1256.54	0	-90	60	RC
KVAC082	WGS84_35S	562407	8742108	1257	0	-90	60	RC
KVAC083	WGS84_35S	563637	8741880	1257.3101	0	-90	60	RC
KVAC085	WGS84_35S	563437	8741866	1257.45	0	-90	60	RC
KVAC086	WGS84_35S	563326	8741840	1257.89	0	-90	60	RC
KVAC087	WGS84_35S	563231	8741836	1257.87	0	-90	60	RC
KVAC089	WGS84_35S	563028	8741864	1257.6899	0	-90	60	RC
KVAC090	WGS84_35S	562914	8741886	1257.73	0	-90	60	RC
KVAC092	WGS84_35S	562733	8741888	1257.99	0	-90	60	RC
KVAC094	WGS84_35S	562531	8741880	1258.52	0	-90	60	RC
KVAC096	WGS84_35S	563645	8741712	1258.1899	0	-90	60	RC
KVAC098	WGS84_35S	563445	8741706	1258.21	0	-90	60	RC
KVAC099	WGS84_35S	563349	8741706	1258.26	0	-90	60	RC
KVAC100	WGS84_35S	563253	8741690	1258.25	0	-90	60	RC
KVAC102	WGS84_35S	563001	8741706	1258.34	0	-90	60	RC
KVAC103	WGS84_35S	562837	8741706	1258.6	0	-90	60	RC
KVAC104	WGS84_35S	562683	8741696	1258.8101	0	-90	60	RC
KVAC107	WGS84_35S	563423	8741498	1258.45	0	-90	60	RC
KVAC108	WGS84_35S	563227	8741482	1258.39	0	-90	60	RC
KVAC111	WGS84_35S	562634	8741486	1258.24	0	-90	60	RC
KVAC112	WGS84_35S	562434	8741484	1258.72	0	-90	60	RC
KVDH005	WGS84_35S	563257	8743393	1243.64	90	-60	285.60001	DD
KVRC018	WGS84_35S	563250	8743548.5	1243.1001	90	-60	120	RC
KVRC021	WGS84_35S	563325	8743548	1245.01	90	-60	120	RC
KVRC023	WGS84_35S	563375.9	8743548.2	1246	90	-60	93	RC
KVRC025	WGS84_35S	563424.7	8743547.9	1246.3	90	-60	60	RC
KVRC027	WGS84_35S	563314.3	8743506.5	1245.1001	90	-60	141	RC
KVRC031	WGS84_35S	563373.7	8743299.7	1243.9	90	-60	60	RC
KVRC032	WGS84_35S	563399.6	8743299.9	1243.9	90	-60	66	RC
KVRC034	WGS84_35S	563449.2	8743299.9	1244	90	-60	90	RC
KVRC036	WGS84_35S	563499.9	8743299.8	1242.8	90	-60	60	RC
KVRC040	WGS84_35S	563329.1	8743442.1	1245.3	90	-60	66	RC
KVRC043	WGS84_35S	563461.3	8743491.3	1253.9	90	-60	51	RC
KVRC045	WGS84_35S	563356.3	8743376.8	1245.3	90	-60	118	RC
KVRC047	WGS84_35S	563361.1	8743341.7	1244.4	90	-60	110	RC
KVRC048	WGS84_35S	563301.7	8743301.4	1243.6001	90	-60	93	RC
KVRC050	WGS84_35S	563278.7	8743437.5	1243.4	90	-60	48	RC
KVRC052	WGS84_35S	563553.5	8743251.8	1241	90	-60	60	RC
KVRC053	WGS84_35S	563529	8743249.6	1241.5	90	-60	60	RC

KVRC054	WGS84_35S	563503.6	8743248.8	1242	90	-60	60	RC
KVRC056	WGS84_35S	563453.3	8743245.8	1242.6001	90	-60	150	RC
KVRC059	WGS84_35S	563557.6	8743202.8	1241	90	-60	80	RC
KVRC061	WGS84_35S	563489.2	8743193.3	1241.8	90	-60	80	RC
KVRC063	WGS84_35S	563298.6	8743371.7	1243.9	270	-60	150	RC
KVRC064	WGS84_35S	563258.6	8743371.6	1243.4	270	-60	150	RC
TCAC107	WGS84_35S	562130	8743810	1230.96	0	-90	42	AC
TCAC108	WGS84_35S	562180	8743810	1232.45	0	-90	48	AC
TCAC111	WGS84_35S	562330	8743810	1237.24	0	-90	14	AC
TCAC112	WGS84_35S	562380	8743810	1238.67	0	-90	45	AC
TCAC114	WGS84_35S	562480	8743810	1240.09	0	-90	24	AC
TCAC116	WGS84_35S	562081	8743760	1230.89	0	-90	39	AC
TCAC119	WGS84_35S	562231	8743760	1233.09	0	-90	18	AC
TCAC121	WGS84_35S	562231	8743760	1233.09	0	-90	28	AC
TCAC123	WGS84_35S	562231	8743760	1233.09	0	-90	36	AC
TCAC125	WGS84_35S	562331	8743760	1236.3	0	-90	40	AC
TCAC127	WGS84_35S	562131	8743660	1233.12	0	-90	45	AC
TCAC128	WGS84_35S	562181	8743660	1232.38	0	-90	29	AC
TCAC130	WGS84_35S	562281	8743660	1234.0601	0	-90	45	AC
TCAC132	WGS84_35S	562381	8743660	1236.59	0	-90	54	AC
TCAC134	WGS84_35S	562481	8743660	1238.79	0	-90	51	AC
TCAC136	WGS84_35S	562588	8743660	1240.04	0	-90	51	AC
TCAC137	WGS84_35S	562538	8743660	1239.5601	0	-90	54	AC
TCAC139	WGS84_35S	562438	8743660	1238.55	0	-90	57	AC
TCAC142	WGS84_35S	562297	8743546	1235.2	0	-90	60	AC
TCAC143	WGS84_35S	562247	8743544	1234.72	0	-90	60	AC
TCDG002	WGS84_35S	562537	8744124	1232.3	135	-65	140.3	DD
TFDG002	WGS84_35S	561988	8744904	1229.3	135	-65	131	DD
TFDG004	WGS84_35S	562042	8744904	1222.3	225	-65	130	DD
TFDG005	WGS84_35S	561925	8744885	1222.3	225	-65	131.89999	DD
TFDH005	WGS84_35S	561880	8744760	1226.6	90	-60	301	DD
TFRC026	WGS84_35S	562054.2	8744834.5	1222.6001	90	-60	176	RC
TFRC031	WGS84_35S	561938.1	8744817.7	1219.7001	90	-60	161	RC
TFRC033	WGS84_35S	561950	8744874	1219.3199	90	-60	141	RC
TFRC034	WGS84_35S	562099	8744968	1228.2001	90	-60	84	RC
TFRC036	WGS84_35S	562070.2	8744878.1	1229	90	-60	120	RC
TFRC037	WGS84_35S	562092.2	8744878	1229.3	90	-60	55	RC
TFRC038	WGS84_35S	562024.6	8745019.7	1226.2001	90	-60	46	RC
TFRC040	WGS84_35S	561925.2	8745019.7	1224.6001	90	-60	60	RC
TFRC042	WGS84_35S	561849.6	8744968.1	1224.5	90	-60	111	RC
TFRC043	WGS84_35S	561824.5	8745019.7	1223.7001	90	-60	70	RC
TFRC045	WGS84_35S	562090	8744732	1228.7	90	-60	105	RC
TFRC047	WGS84_35S	561891.1	8744738.8	1226.2001	90	-60	98	RC
TFRC049	WGS84_35S	561824.8	8744869.4	1224.9	90	-60	120	RC
TFRC050	WGS84_35S	561810	8744779.8	1225.1001	90	-60	80	RC
TFRC051	WGS84_35S	562093.6	8744697.6	1228.2001	90	-60	120	RC
TFRC052	WGS84_35S	561962	8744696.7	1226.7001	90	-60	61	RC
TFRC056	WGS84_35S	562066.2	8744907.6	1229.6001	90	-60	100	RC
TFRC057	WGS84_35S	561980.7	8744854	1219.9399	90	-60	146	RC
TFRC061	WGS84_35S	562115.1	8744653.3	1228.3	90	-60	150	RC

TFRC063	WGS84_35S	562016	8744648.3	1226.9	90	-60	150	RC
TFRC064	WGS84_35S	561965.5	8744644.4	1227.6801	90	-60	116	RC
TFRC065	WGS84_35S	561915.6	8744644.1	1227	90	-60	81	RC
TFRC069	WGS84_35S	562313.4	8744670.7	1230.9	90	-60	101	RC
TFRC070	WGS84_35S	562365.7	8744632.8	1231.5	90	-60	80	RC
TFRC072	WGS84_35S	562266	8744626.1	1230.2001	90	-60	140	RC
TFRC074	WGS84_35S	562119.6	8744612.4	1229.01	90	-60	120	RC
TFRC075	WGS84_35S	562069.7	8744610.8	1228.12	90	-60	116	RC
TFRC078	WGS84_35S	561920	8744603.4	1226.6001	90	-60	80	RC
TFRC080	WGS84_35S	562243.3	8744705.8	1230.4	90	-60	80	RC
TFRC083	WGS84_35S	562240.9	8744755.5	1230	90	-60	80	RC
TFRC086	WGS84_35S	562373.9	8744585.6	1231.9	90	-60	106	RC
TFRC088	WGS84_35S	562269.2	8744578.8	1230	90	-60	130	RC
TFRC091	WGS84_35S	562113.3	8744567.3	1227.6001	90	-60	125	RC
TFRC092	WGS84_35S	562063.4	8744565.4	1226.9	90	-60	70	RC
TFRC094	WGS84_35S	561963.3	8744562.7	1226.8	90	-60	80	RC
TFRC096	WGS84_35S	562086.4	8744799.6	1229	90	-60	150	RC
TFRC099	WGS84_35S	562236.9	8744801.7	1230.1001	90	-60	80	RC
TFRC101	WGS84_35S	562116.7	8744909	1229.1001	90	-60	116	RC
TFRC103	WGS84_35S	561890.9	8744763.3	1226.6001	90	-60	106	RC
KPAC398	WGS84_35S	561701	8744560	1225.89	0	-90	56	AC
KPAC400	WGS84_35S	561503	8744538	1225.66	0	-90	48	AC
KPAC402	WGS84_35S	561303	8744516	1227.46	0	-90	42	AC
KPAC403	WGS84_35S	561204	8744504	1228.45	0	-90	60	AC
KPAC404	WGS84_35S	561105	8744494	1229.8199	0	-90	45	AC
KPAC406	WGS84_35S	560908	8744471	1232.16	0	-90	60	AC
KPAC408	WGS84_35S	561794	8744236	1224.96	0	-90	45	AC
KPAC410	WGS84_35S	561510	8744240	1228.4301	0	-90	33	AC
KPAC413	WGS84_35S	561216	8744224	1233.1	0	-90	40	AC
KPAC414	WGS84_35S	561114	8744214	1234.4301	0	-90	34	AC
KPAC417	WGS84_35S	561517	8744042	1230.0699	0	-90	27	AC
KPAC419	WGS84_35S	561318	8744038	1233.85	0	-90	45	AC
KPAC423	WGS84_35S	561759	8744820	1225.64	0	-90	39	AC
KPAC426	WGS84_35S	561617	8744808	1224.95	0	-90	40	AC
KPAC427	WGS84_35S	561516	8744810	1224.39	0	-90	39	AC
KPAC429	WGS84_35S	561319	8744480	1227.99	0	-90	42	AC
KPAC430	WGS84_35S	561823	8744790	1220.95	0	-90	48	AC
KPAC432	WGS84_35S	561027	8744754	1226.51	0	-90	51	AC
KPAC433	WGS84_35S	561788	8745064	1223.52	0	-90	39	AC
KPAC436	WGS84_35S	561935	8745068	1224.97	0	-90	39	AC
KPAC438	WGS84_35S	562035	8745070	1226.35	0	-90	50	AC
KPAC441	WGS84_35S	562290	8745086	1228.72	0	-90	34	AC
KPAC444	WGS84_35S	563346	8743584	1244.17	0	-90	41	AC
KPAC446	WGS84_35S	563468	8743742	1240.45	0	-90	58	AC
KPAC447	WGS84_35S	563513	8743822	1239.0601	0	-90	42	AC
KPAC449	WGS84_35S	563630	8743976	1236.9399	0	-90	47	AC
KPAC451	WGS84_35S	563740	8744126	1235.49	0	-90	50	AC
KPAC454	WGS84_35S	561027	8743580	1243.8101	0	-90	48	AC
KPAC456	WGS84_35S	560906	8743528	1245.85	0	-90	50	AC
KPAC457	WGS84_35S	561067	8743742	1241.22	0	-90	50	AC

KPAC459	WGS84_35S	563483	8743698	1240.83	0	-90	36 AC
KPAC460	WGS84_35S	563584	8743686	1238.72	0	-90	75 AC
KPAC461	WGS84_35S	563684	8743686	1236.48	0	-90	50 AC
KPAC463	WGS84_35S	563885	8743692	1234.1899	0	-90	45 AC
KPAC465	WGS84_35S	564087	8743696	1232.5	0	-90	37 AC
KPAC468	WGS84_35S	564387	8743686	1231.1	0	-90	34 AC
KPAC471	WGS84_35S	563800	8743898	1235.5	0	-90	43 AC
KPAC474	WGS84_35S	564105	8743898	1232.3	0	-90	43 AC
KPAC476	WGS84_35S	564300	8743898	1230.74	0	-90	34 AC
KPAC478	WGS84_35S	563808	8744096	1235.01	0	-90	50 AC
KPAC481	WGS84_35S	564095	8744096	1232.49	0	-90	41 AC
KPAC483	WGS84_35S	564300	8744100	1230.5601	0	-90	41 AC
KPAC484	WGS84_35S	564398	8744098	1229.61	0	-90	60 AC
KPAC485	WGS84_35S	564499	8744100	1229.01	0	-90	60 AC
KPAC486	WGS84_35S	564002	8744300	1232.6	0	-90	47 AC
KPAC489	WGS84_35S	564301	8744302	1230.02	0	-90	51 AC
KPAC490	WGS84_35S	564401	8744300	1229.4399	0	-90	50 AC
KPAC492	WGS84_35S	563600	8743520	1239.5601	0	-90	28 AC
KPAC495	WGS84_35S	563900	8743526	1233.99	0	-90	50 AC
KPAC497	WGS84_35S	564100	8743526	1233.72	0	-90	49 AC
KPAC498	WGS84_35S	564200	8743526	1231.59	0	-90	50 AC
KPAC499	WGS84_35S	564300	8743526	1230.86	0	-90	31 AC
KPAC501	WGS84_35S	563650	8744290	1235.46	0	-90	45 AC
KPAC502	WGS84_35S	563750	8744292	1234.77	0	-90	45 AC
KPAC504	WGS84_35S	561900	8745300	1222.74	0	-90	37 AC
KPAC506	WGS84_35S	562095	8745310	1225.39	0	-90	38 AC
KPAC507	WGS84_35S	562200	8745304	1226.13	0	-90	49 AC
KPAC509	WGS84_35S	562399	8745290	1227.84	0	-90	35 AC
KPAC511	WGS84_35S	562600	8745290	1228.48	0	-90	39 AC
KPAC512	WGS84_35S	562703	8745290	1229.09	0	-90	55 AC
KPAC514	WGS84_35S	562901	8745280	1229.9301	0	-90	50 AC
KPAC517	WGS84_35S	563200	8745280	1229.24	0	-90	50 AC
KPAC519	WGS84_35S	563398	8745280	1228.8	0	-90	50 AC
KPAC520	WGS84_35S	563500	8745280	1228.48	0	-90	50 AC
KPAC523	WGS84_35S	563500	8745100	1230.22	0	-90	50 AC
KPAC525	WGS84_35S	564400	8743500	1230.28	0	-90	50 AC
KPAC526	WGS84_35S	561900	8745500	1221.7	0	-90	42 AC
KPAC531	WGS84_35S	562400	8745500	1226	0	-90	36 AC
KPAC534	WGS84_35S	562700	8745500	1227.3	0	-90	40 AC
KPAC535	WGS84_35S	562800	8745500	1227	0	-90	50 AC
KPAC538	WGS84_35S	563100	8745500	1227.03	0	-90	50 AC
KPAC539	WGS84_35S	563200	8745500	1226.4399	0	-90	50 AC
KPAC540	WGS84_35S	563300	8745460	1226.4301	0	-90	50 AC
KPAC542	WGS84_35S	563500	8745500	1225.98	0	-90	50 AC
KPAC543	WGS84_35S	563600	8745500	1225.3	0	-90	50 AC
KPAC545	WGS84_35S	560900	8743100	1252.8101	0	-90	36 AC
KPAC546	WGS84_35S	561020	8743100	1251.8101	0	-90	50 AC
KPAC547	WGS84_35S	561100	8743100	1252.96	0	-90	50 AC
KPAC549	WGS84_35S	560600	8743100	1255.6899	0	-90	50 AC
KPAC551	WGS84_35S	560400	8743100	1258.5601	0	-90	44 AC

KPAC554	WGS84_35S	560098	8743085	1260.45	0	-90	50	AC
KPAC556	WGS84_35S	561106	8742896	1257.71	0	-90	34	AC
KPAC558	WGS84_35S	560900	8742910	1257.77	0	-90	50	AC
KPAC560	WGS84_35S	560700	8742900	1258.48	0	-90	60	AC
KPAC561	WGS84_35S	560600	8742900	1259.27	0	-90	57	AC
KPAC562	WGS84_35S	560500	8742900	1260	0	-90	48	AC
KPAC563	WGS84_35S	560400	8742900	1260.8	0	-90	55	AC
KPAC565	WGS84_35S	560200	8742904	1262.34	0	-90	45	AC
KPAC567	WGS84_35S	561470	8742500	1259.9399	0	-90	60	AC
KPAC569	WGS84_35S	561300	8742500	1261.54	0	-90	53	AC
KPAC570	WGS84_35S	561200	8742500	1262.85	0	-90	60	AC
KPAC572	WGS84_35S	561000	8742500	1263.24	0	-90	60	AC
KPAC574	WGS84_35S	561500	8742100	1261.97	0	-90	49	AC
KPAC577	WGS84_35S	561200	8742100	1263.8	0	-90	60	AC
KPAC579	WGS84_35S	561000	8742100	1264.34	0	-90	56	AC
KPAC580	WGS84_35S	561700	8741700	1261.01	0	-90	54	AC
KPAC581	WGS84_35S	561600	8741700	1261.39	0	-90	41	AC
KPAC583	WGS84_35S	561400	8741700	1263.39	0	-90	51	AC
KPAC585	WGS84_35S	561200	8741706	1263.42	0	-90	36	AC
KPAC588	WGS84_35S	562000	8746800	1205.78	0	-90	40	AC
KPAC592	WGS84_35S	560400	8744200	1239.89	0	-90	53	AC
KPAC595	WGS84_35S	560100	8744200	1240.12	0	-90	45	AC
KPAC597	WGS84_35S	560600	8744598	1231.96	0	-90	60	AC
KPAC598	WGS84_35S	560500	8744600	1232.41	0	-90	51	AC
KPAC600	WGS84_35S	560300	8744600	1234	0	-90	51	AC
KPAC602	WGS84_35S	560102	8744605	1233.5	0	-90	50	AC
KPAC604	WGS84_35S	560700	8745000	1226.27	0	-90	51	AC
KPAC607	WGS84_35S	560900	8745000	1225.7	0	-90	51	AC
TCDG005	WGS84_35S	562413.386	8744244.132	1192.223	90	-60	386.20001	DG
TCDH031	WGS84_35S	562331.9	8743992.9	1225.7001	265	-60	280	DD
TCDH033	WGS84_35S	562278.8	8743993.4	1225.7001	265	-60	397	DD
TCDH035	WGS84_35S	562371.5	8744215.2	1196.9	270	-60	450.5	DD
TCDH038	WGS84_35S	562280	8744136.2	1195	95	-60	287.5	DD
TCDH040	WGS84_35S	562406.2	8744285.3	1192.9	270	-60	262	DD
TCDH042	WGS84_35S	562534	8744138	1239.8401	270	-60	374.5	DD
TCDH043	WGS84_35S	562290.5	8744217	1192.7001	270	-60	185.5	DD
TCDH046	WGS84_35S	562337.569	8744220.153	1189.7311	270	-60	298.5	DD
TCDH047	WGS84_35S	562323.024	8744168.74	1189.545	270	-60	245.7	DD
TCDH049	WGS84_35S	562367.902	8744080.473	1192.25	265	-60	322.60001	DD
TCDH052	WGS84_35S	562318.318	8744081.346	1192.387	265	-60	201.10001	DD
TCDH053	WGS84_35S	562283.28	8744098.648	1192.8571	265	-60	322.10001	DD
TCDH056	WGS84_35S	562304.108	8744021.284	1211.9751	265	-60	215.10001	DD
TCDH058	WGS84_35S	562227.246	8744113.491	1212.5389	265	-60	298.10001	DD
TCDH060	WGS84_35S	562388.154	8743914.455	1204.298	265	-60	210	DD
TCDH061	WGS84_35S	562022.166	8743948.539	1212.1801	90	-60	344.5	DD
TCDH063	WGS84_35S	562203.688	8744013.536	1212.2061	265	-60	325.60001	DD
TCDH065	WGS84_35S	562512.467	8744139.802	1219.3	265	-60	298.5	DD
TCDH067	WGS84_35S	562213.999	8744458.194	1225.88	85	-60	361	DD
TCRC151	WGS84_35S	562501	8743900.9	1241.4	270	-60	150	RC
TCRC156	WGS84_35S	562381.7	8743953.5	1225.3	315	-60	150	RC

TCRC157	WGS84_35S	562470.5	8744007.5	1239.4	315	-60	150	RC
TCRC159	WGS84_35S	562102.5	8744151.4	1225.5	85	-60	144	RC
TCRC160	WGS84_35S	562047.1	8744059.1	1225.9	85	-60	132	RC
TCRC162	WGS84_35S	562152.7	8744208.8	1226.9	85	-60	100	RC
TCRC167	WGS84_35S	562244.3	8744376.2	1229	85	-60	136	RC
TCRC169	WGS84_35S	562190.3	8743859.7	1231.3	45	-60	150	RC
TCRC173	WGS84_35S	561990	8744150	1229.05	85	-60	145	RC
TCRC174	WGS84_35S	562132	8743941.2	1230.1001	45	-60	145	RC
TCRC176	WGS84_35S	562101.3	8743888.6	1229.5	45	-60	93	RC
TCRC178	WGS84_35S	562436.6	8744433.7	1233	270	-60	85	RC
TCRC183	WGS84_35S	562154.8	8744160.1	1226.7001	90	-60	127	RC
TCRC185	WGS84_35S	562439.6	8744537.7	1232.9	0	-90	150	RC
TCRC186	WGS84_35S	562299.4	8744473.2	1230.3	0	-90	101	RC
TCRC187	WGS84_35S	562496.8	8744392.9	1234.9	270	-60	149	RC
TCRC189	WGS84_35S	562545.2	8744440	1235.1001	270	-60	149	RC
TCRC190	WGS84_35S	562487	8744506	1234.15	270	-60	150	RC
TCRC192	WGS84_35S	562211.6	8743810.8	1231.7001	90	-60	150	RC
TCRC194	WGS84_35S	561870.4	8743859.3	1230.89	90	-60	82	RC
TCRC197	WGS84_35S	561974.5	8743999.1	1229.7001	90	-60	110	RC
TCRC198	WGS84_35S	561975.4	8744049.7	1229	90	-60	109	RC
TCRC200	WGS84_35S	562024.6	8744239.9	1228.53	90	-60	150	RC
TCRC203	WGS84_35S	562076.5	8744308.2	1228.98	90	-60	133	RC
TCRD001	WGS84_35S	562209.2	8744366.5	1226.2001	85	-60	280.79999	RC
TCRD001DT	WGS84_35S	562209.2	8744366.5	1226.2	85	-60	280.79999	DD
TCRD002	WGS84_35S	562258.4	8744373.1	1229.8	85	-60	130	RC
TCRD003DT	WGS84_35S	562494.3	8744340.2	1235.1	265	-60	409.60001	DD
TCRD004	WGS84_35S	562535.4	8744197.8	1238	265	-60	251	RC
TCRD006DT	WGS84_35S	562505.4	8744090	1238.8	265	-60	200	DD
TCRD007	WGS84_35S	562524.2	8744297.9	1236.4	265	-60	284.60001	RC
TCRD008	WGS84_35S	562589.4	8744294.7	1237.6001	265	-60	140	RC
TCRD009DT	WGS84_35S	562169.1	8744225	1226.8	85	-60	392.10001	DD
TCRD011	WGS84_35S	562183.5	8744022.2	1230.8	265	-60	383.5	RC
TCRD011DT	WGS84_35S	562183.5	8744022.2	1230.8	265	-60	383.5	DD
TCRD012	WGS84_35S	562293	8744424.4	1231.46	85	-60	450	RC
TCRD014	WGS84_35S	562102.8	8743950.7	1229.4	0	-90	61	RC
TCRD016	WGS84_35S	562196.1	8744521	1228.6001	85	-60	308.10001	RC
TCRD018	WGS84_35S	562386.2	8744431.9	1231.9	265	-60	420.70001	RC
TCRD022	WGS84_35S	562203.7	8744701.6	1230.4399	85	-60	96	RC
TCRD023	WGS84_35S	562212.8	8744868.6	1229.8	265	-60	140	RC
TCRD024	WGS84_35S	562125.1	8744610.8	1229.13	85	-60	350	RC
TCRD026DT	WGS84_35S	562143.1	8744559.2	1229.14	85	-60	318	DD
TCRD028	WGS84_35S	562040.7	8744549.3	1227.61	85	-60	120	RC
TCRD029	WGS84_35S	562110.7	8744661.8	1229.0699	85	-60	304.29999	RC
TCRD029DT	WGS84_35S	562110.7	8744661.8	1229.0701	85	-60	304.29999	DD
TCRD030	WGS84_35S	562046	8744656.4	1228.03	85	-60	64	RC
TCRD030DT	WGS84_35S	562046	8744656.4	1228.03	85	-60	293	DD
TCRD031	WGS84_35S	561971.5	8744650.4	1227.66	85	-60	88	RC
TCRD034	WGS84_35S	562345.5	8744384.6	1230.9	85	-60	235.5	RC
TCRD034DT	WGS84_35S	562345.5	8744384.6	1230.9	85	-60	235.5	DD
TCRD035	WGS84_35S	562178.5	8744061	1230.8	265	-60	323	RC

TCRD035DT	WGS84_35S	562178.5	8744061	1230.8	265	-60	323	DD
TCRD037	WGS84_35S	562182.8	8744469.5	1229.14	85	-60	104	RC
TCRD040	WGS84_35S	562260	8744222.5	1202.7001	315	-60	93	RD
TCRD042	WGS84_35S	562374	8744214	1199	270	-60	155.5	RD
TCRD044	WGS84_35S	562359	8744284.3	1202.7001	80	-60	117	RD
TCRD046	WGS84_35S	562389.3	8744095.7	1197.4	270	-60	100	RD
TCRD047	WGS84_35S	562382	8744276	1210.3	270	-60	237	RD
TCRD047DT	WGS84_35S	562382	8744276	1210.3			237	DD
TCRD048DT	WGS84_35S	562555	8744230	1261.3			297.5	DD
TCRD049	WGS84_35S	562558.02	8744088.623	1240.208	270	-60	269.60001	RD
TCRD049DT	WGS84_35S	562558.02	8744088.623	1240.208			269.60001	DD
TCRD050	WGS84_35S	562535.2	8744038.798	1240.214	270	-60	233	RD
TCRD050DT	WGS84_35S	562535.2	8744038.798	1240.214			233	DD
TCRD051	WGS84_35S	562371.3	8744429.8	1231.6001	270	-60	100	RD
TCRD053	WGS84_35S	562244.4	8744615.9	1229.7001	270	-60	100	RD
TCRD055	WGS84_35S	562051	8744606	1227.92	270	-60	93	RD
TFDH009	WGS84_35S	562014.864	8744697.691	1227.4	85	-60	200.2	DD
TFRC108	WGS84_35S	562140	8744750	1229.3	270	-60	128	RC
TFRC110	WGS84_35S	561846.5	8744710.1	1226.5	90	-60	150	RC
TFRC111	WGS84_35S	561795	8744550	1226.52	0	-90	100	RC
TFRC113	WGS84_35S	561750	8744588	1225.7	90	-60	69	RC
STCDH_001	WGS84_35S	562314.071	8744211.096	1160.326	298.60001	-89.099998	297	DD
STCDH_003	WGS84_35S	562394.644	8744213.769	1160.239	30.700001	-89.699997	234	DD
STCDH_007	WGS84_35S	562293.891	8744225.312	1159.8459	93.300003	-65.300003	18	DD
STCDH_010	WGS84_35S	562390.656	8744140.161	1160.281	270	-65.400002	35.599998	DD
STCDH_011	WGS84_35S	562394.905	8744163.838	1160.1021	91.599998	-51.5	60	DD
STCDH_012	WGS84_35S	562314	8744137	1160	271.79999	-62	210	DD
STCDH_014	WGS84_35S	562389.907	8744164.721	1160.142	271.39999	-67.5	256	DD
STCDH_016	WGS84_35S	562064.163	8743931.603	1187.5811	318.10001	-89.699997	65.5	DD
STCDH_019	WGS84_35S	562246.91	8744068.199	1157.829	272.70001	-60.099998	119	DD
STCDH_022	WGS84_35S	562238.621	8743966.456	1157.2791	182.39999	-80.5	182.85001	DD
STCDH_024	WGS84_35S	562514.505	8744528.729	1211.454	223.8	-52.599998	350	DD
STCDH_026	WGS84_35S	562419.137	8744122.043	1157.646	88.699997	-59.599998	58	DD
STCDH_029	WGS84_35S	562328.287	8744048.365	1157.684	267.79999	-64.5	147.2	DD
STCDH_031	WGS84_35S	562265.554	8743968.151	1157.384	175.5	-70	108	DD
STCDH_034	WGS84_35S	562421.77	8744078.872	1157.423	90	0	127.6	DD
STCDH_035	WGS84_35S	562405.045	8744058.15	1157.443	273.70001	-70.099998	240	DD
STCDH_037	WGS84_35S	562460.089	8744125.762	1157.197	90	0	136.7	DD
STCDH_038	WGS84_35S	562268.121	8744304.889	1182.588	91.800003	-59.099998	242.60001	DD
STCDH_041	WGS84_35S	562221.599	8744215.703	1182.548	94.099998	-60.5	360	DD
STCDH_043	WGS84_35S	562139.01	8744064.937	1180.014	95.099998	-60.200001	110.5	DD
STCDH_047	WGS84_35S	562423.368	8744119.596	1157.6479	88.199997	-1.9	50	DD
STCDH_048	WGS84_35S	562325.701	8744340.968	1177.321	273.60001	-60.099998	190.5	DD
STCDH_052	WGS84_35S	562446.389	8744343.705	1177.819	271.79999	-61.200001	349	DD
STCDH_054	WGS84_35S	562345.717	8744164.511	1152.701	273	-65	225	DD
STCDH_055	WGS84_35S	562386.571	8744139.898	1152.673	274.5	-61.599998	267	DD
STCDH_057	WGS84_35S	562112.58	8744610.992	1205.348	273	-68	115	DD
STCDH_061	WGS84_35S	562454.31	8744283.163	1169.8879	180.3	-58.900002	301	DD
STCDH_063	WGS84_35S	562452.1	8744319.16	1169.911	225.39999	-73.300003	250	DD
STCDH_066	WGS84_35S	562435.524	8744336.125	1169.54	102.5	-85	205	DD

STCDH_070	WGS84_35S	562348.001	8744428.921	1209.12	39.400002	-61.400002	315	DD
STCDH_071	WGS84_35S	562461.144	8744399.738	1207.163	273.60001	-61.200001	300	DD
STCDH_073	WGS84_35S	562174.778	8744499.157	1206.2321	15.5	-65.800003	154	DD
STFDH_001	WGS84_35S	561868.013	8744717.948	1203.558	359.79999	-49.799999	350	DD
STFDH_003	WGS84_35S	561980.248	8744903.992	1166.546	95.5	-60.200001	85	DD
STFDH_005	WGS84_35S	561914.001	8744847.957	1167.0389	94.099998	-60.799999	118	DD
STFDH_007	WGS84_35S	561991.914	8744851.116	1166.344	93.300003	-65.300003	138	DD
STFDH_008	WGS84_35S	562027.296	8744852.849	1166.426	93	-60	130	DD
STFDH_009	WGS84_35S	562035.37	8744827.911	1166.384	93.800003	-59.299999	200	DD
STFDH_011	WGS84_35S	561948.341	8744806.568	1167.179	189.39999	-80	96.099998	DD
STFDH_013	WGS84_35S	561932.029	8744817.822	1167.27	93	-60	301.60001	DD
STFDH_017	WGS84_35S	562131.306	8744722.861	1206.807	93	-85	210	DD
STFDH_018	WGS84_35S	561964.096	8744717.056	1203.621	273	-70	96.400002	DD
STFDH_020	WGS84_35S	562170.035	8744746.394	1207.03	91.900002	-60.299999	149	DD
STFDH_023	WGS84_35S	562166.914	8744720.233	1207.025	86.199997	-79.300003	179.5	DD
STFDH_025	WGS84_35S	562069.774	8744792.1	1182.124	274.10001	-61.299999	171.5	DD
STFDH_027	WGS84_35S	562158.485	8744838.008	1207.874	60	-59.799999	431.39999	DD
STFDH_029	WGS84_35S	562071.632	8744791.126	1182.1479	273	-55	193	DD
STFDH_031	WGS84_35S	562037.279	8744711.73	1204.74	93	-60	155	DD
KVRC002	WGS84_35S	563437.8	8743441.4	1261.5	81.699997	-60.200001	72	RC
KVRC006	WGS84_35S	563401.4	8743488.6	1258.4	268.20001	-60.299999	50	RC
KVRC009	WGS84_35S	563441.8	8743389	1254.2001	87.300003	-65	87	RC
KVRC011	WGS84_35S	563474.6	8743341.7	1247	87	-59.599998	52	RC
KVRC015	WGS84_35S	563342.5	8743507.6	1249.6001	90	-60	112	RC
KVRC017	WGS84_35S	563428.2	8743364.7	1248.3	88.199997	-59.200001	92	RC
KVTR001	WGS84_35S	563519	8743434	1250.3	0	-90	160	PT
KVTR003	WGS84_35S	563494	8743484	1250.04	0	-90	136	PT
TCDH002	WGS84_35S	562384.9	8744134.8	1234.9	270	-60	200.5	DD
TCRC001	WGS84_35S	562418.5	8744086.3	1236.85	268.10001	-60.400002	52	RC
TCRC006	WGS84_35S	562501.8	8744093.7	1239	269.39999	-60.5	72	RC
TCRC008	WGS84_35S	562428.3	8744137.3	1236.4	268.60001	-61.5	67	RC
TCRC017	WGS84_35S	562457.1	8744390.9	1233.9	93.800003	-58.900002	50	RC
TCRC020	WGS84_35S	562437.1	8744337.2	1233.8	271.5	-61.299999	69	RC
TCRC025	WGS84_35S	562430.5	8743970.1	1239.8	321.5	-60.900002	66	RC
TCRC027	WGS84_35S	562498	8744295.5	1236.3	270	-55	100	RC
TCRC029	WGS84_35S	562475.2	8743980.4	1240.8	322.29999	-52.099998	110	RC
TCRC031	WGS84_35S	562395.4	8744266.7	1232.6001	270	-60	85	RC
TCRC036	WGS84_35S	562403.5	8744385.7	1232.5	88.699997	-56.400002	107	RC
TCTR003	WGS84_35S	562434	8744227	1240.3	0	-90	7	PT
TFDH002	WGS84_35S	561997.1	8744779.7	1227.2001	90	-60	200.5	DD
TFDH003	WGS84_35S	561950	8744876	1219.3	35	-60	138.10001	DD
TFRC001	WGS84_35S	561997.5	8744924.8	1229.2001	96.199997	-55.400002	67	RC
TFRC006	WGS84_35S	561906.8	8744805.7	1222.5	90	-60	52	RC
TFRC008	WGS84_35S	562024.2	8744781.9	1227.7001	96.099998	-59.5	72	RC
TFRC012	WGS84_35S	561965.7	8744726.1	1226.7001	93.099998	-60.700001	57	RC
TFRC019	WGS84_35S	562071.1	8744791.8	1229	92.599998	-58.200001	50	RC
TFRC021	WGS84_35S	562026.9	8744756.5	1227.4	90	-60	97	RC
TFTR001	WGS84_35S	561889	8744814	1221.64	0	-90	38	PT
TFTR005	WGS84_35S	562072	8744906	1229.83	0	-90	78	PT
TSRC003	WGS84_35S	562301.5	8743986.6	1235.6001	209.8	-59.799999	72	RC

TSTR001	WGS84_35S	562249	8743986	1222.45	0	-90	68	PT
TSTR003	WGS84_35S	562301	8743944	1215.8	0	-90	34	PT
KPAC002	WGS84_35S	561343	8743604	1239.1	0	-90	35	AC
KPAC005	WGS84_35S	561402	8743612	1237.78	0	-90	40	AC
KPAC010	WGS84_35S	560669	8744496	1233.02	0	-90	40	AC
KPAC011	WGS84_35S	560677	8744402	1234.47	0	-90	40	AC
KPAC017	WGS84_35S	560429	8743844	1247.9399	0	-90	30	AC
KPAC019	WGS84_35S	560674	8743674	1246.83	0	-90	35	AC
KPAC024	WGS84_35S	561011	8744034	1237.55	0	-90	39	AC
KPAC026	WGS84_35S	562555	8744448	1235.6801	0	-90	40	AC
KPAC030	WGS84_35S	562738	8744450	1237.65	0	-90	36	AC
KPAC035	WGS84_35S	563000	8744458	1237.61	0	-90	33	AC
KPAC037	WGS84_35S	563094	8744468	1236.79	0	-90	33	AC
KPAC043	WGS84_35S	562799	8744248	1239.75	0	-90	35	AC
KPAC045	WGS84_35S	562908	8744256	1239.92	0	-90	48	AC
KPAC049	WGS84_35S	563109	8744258	1239.03	0	-90	20	AC
KPAC053	WGS84_35S	562731	8744050	1242.63	0	-90	39	AC
KPAC055	WGS84_35S	562840	8744048	1243.0601	0	-90	30	AC
KPAC060	WGS84_35S	563080	8744066	1241.46	0	-90	39	AC
KPAC066	WGS84_35S	563015	8743866	1242.75	0	-90	39	AC
KPAC068	WGS84_35S	563118	8743872	1242.6801	0	-90	32	AC
KPAC071	WGS84_35S	563268	8743872	1241.46	0	-90	30	AC
KPAC073	WGS84_35S	562600	8743938	1242	0	-90	36	AC
KPAC074	WGS84_35S	562650	8743945	1242.34	0	-90	36	AC
TCAC001	WGS84_35S	562297	8744222	1229.6001	23.200001	-89.699997	63	AC
TCAC006	WGS84_35S	562300.1	8744174.5	1232.1001	0	-90	69	AC
TCAC008	WGS84_35S	562246.9	8744162.8	1231.1001	0	-90	69	AC
TCAC010	WGS84_35S	562190.4	8744148.8	1230.2001	0	-90	65	AC
TCAC012	WGS84_35S	562191.7	8744214.9	1229.9	0	-90	69	AC
TCAC019	WGS84_35S	562279.1	8744075.2	1232.9	0	-90	69	AC
TCAC020	WGS84_35S	562252.7	8744117.5	1231.8	0	-90	69	AC
TCAC024	WGS84_35S	562230	8744068.5	1231.9	0	-90	69	AC
TCAC027	WGS84_35S	562329.7	8744027.2	1235.3	0	-90	75	AC
TCAC029	WGS84_35S	562250.5	8744020.8	1232.7001	0	-90	24	AC
TCAC036	WGS84_35S	562071.9	8744010.2	1230	0	-90	54	AC
TCAC038	WGS84_35S	562146.4	8743961	1230.3	0	-90	75	AC
TCAC044	WGS84_35S	562166.2	8743917.4	1231	0	-90	42	AC
TCAC053	WGS84_35S	562177.8	8744063.5	1230.6001	0	-90	75	AC
TCAC058	WGS84_35S	562038.1	8744096.6	1228.7001	0	-90	48	AC
TCAC061	WGS84_35S	561962.9	8744099.4	1229.73	0	-90	40	AC
TCAC062	WGS84_35S	561937.3	8744098.4	1229.62	0	-90	31	AC
TCAC066	WGS84_35S	561978.1	8744049.4	1229	0	-90	51	AC
TCAC070	WGS84_35S	561902.9	8744047.1	1230.92	0	-90	30	AC
TCAC073	WGS84_35S	561996.7	8744005	1229	0	-90	47	AC
TCAC077	WGS84_35S	562162	8744214.4	1229.6001	0	-90	52	AC
TCAC083	WGS84_35S	562179.3	8744317.6	1229.2001	0	-90	50	AC
TCAC085	WGS84_35S	562117.9	8744313.2	1228.5	0	-90	50	AC
TCAC087	WGS84_35S	562066	8744307.5	1228.3	0	-90	30	AC
TCAC095	WGS84_35S	562363.4	8743998	1237.7001	0	-90	40	AC
TCAC097	WGS84_35S	562952	8743772	1242.5	0	-90	69	AC

TCAC099	WGS84_35S	563070	8743698	1242.33	0	-90	60	AC
TCAC105	WGS84_35S	562632	8743886	1241.79	0	-90	60	AC
TCDH010	WGS84_35S	562462.4	8744139.6	1237.2001	270	-60	354	DD
TCDH025	WGS84_35S	562529.4	8744299	1236.8	270	-60	212.7	DD
TCDM001	WGS84_35S	562350.6	8744153	1233.5	266	-62	121.1	DM
TCRC045	WGS84_35S	562362.2	8744128.6	1234.5	270	-60	113	RC
TCRC051	WGS84_35S	562323.9	8744328.1	1230.8	270.5	-60.900002	77	RC
TCRC056	WGS84_35S	562290.9	8744374.6	1230.4	86.699997	-61.700001	90	RC
TCRC060	WGS84_35S	562282	8744434	1230.71	95	-60.700001	72	RC
TCRC068	WGS84_35S	562336.8	8744535.5	1231.3	90.199997	-60.099998	50	RC
TCRC073	WGS84_35S	562366	8743924.5	1240.5	129.2	-89.699997	75	RC
TCRC076	WGS84_35S	562367.4	8743969.3	1239.9	255.2	-89.900002	90	RC
TCRC082	WGS84_35S	562223.9	8743864.2	1232.8	214.5	-89.800003	36	RC
TCRC087	WGS84_35S	562071.4	8743862.3	1230	0	-90	81	RC
TCRC089	WGS84_35S	562021.2	8743857.8	1230.05	0	-90	57	RC
TCRC091	WGS84_35S	562259.7	8744429.6	1230	0	-90	81	RC
TCRC092	WGS84_35S	562232.8	8744427.9	1229.5	90	-60	66	RC
TCRC099	WGS84_35S	562073.5	8744468.1	1227.2001	90	-60	63	RC
TCRC100	WGS84_35S	562043.6	8744467.6	1227.4	90	-60	55	RC
TCRC102	WGS84_35S	561963.2	8744464.7	1227	93.300003	-59.5	39	RC
TCRC113	WGS84_35S	562522	8744164	1238.8	264.10001	-62.5	146	RC
TCRC114	WGS84_35S	562481	8744163	1237.4	264.20001	-60.099998	67	RC
TCRC120	WGS84_35S	562310	8744068	1232.3	151.5	-89.5	76	RC
TCRC126	WGS84_35S	562283	8744526	1230.7001	0	-90	80	RC
TCRC129	WGS84_35S	562083	8744526	1227.99	0	-90	46	RC
TCRC132	WGS84_35S	562284	8744221	1230.7001	270	-60	93	RC
TCRC135	WGS84_35S	562278	8744152	1230.9	270	-60	74	RC
TCRC141	WGS84_35S	562544	8744344	1237.0601	270	-60	130	RC
TCRC146	WGS84_35S	562223.2	8744523.5	1229.4	270	-60	100	RC
TCRC149	WGS84_35S	562072.8	8744520.7	1226.8	270	-60	61	RC
TCRC150	WGS84_35S	562353.4	8744536.4	1231.4	270	-60	53	RC
TFDM001	WGS84_35S	561935.3	8744855.2	1219.78	90	-65	129.60001	DD
KPAC077	WGS84_35S	562618	8743876	1241.9301	0	-90	60	AC
KPAC079	WGS84_35S	562568	8743878	1241.59	0	-90	50	AC
KPAC085	WGS84_35S	562708	8743836	1241.66	0	-90	49	AC
KPAC090	WGS84_35S	562846.6	8743806.9	1242.1001	0	-90	51	AC
KPAC092	WGS84_35S	562760.4	8743798	1241.8	0	-90	51	AC
KPAC098	WGS84_35S	562616	8743778	1240.71	0	-90	50	AC
KPAC100	WGS84_35S	562566	8743780	1240.46	0	-90	45	AC
KPAC102	WGS84_35S	563055	8743778	1242.47	0	-90	39	AC
KPAC108	WGS84_35S	562880	8743754	1242.27	0	-90	59	AC
KPAC109	WGS84_35S	562856.7	8743759.1	1241.9	0	-90	47	AC
KPAC110	WGS84_35S	562832.5	8743754.2	1241.7001	0	-90	63	AC
KPAC112	WGS84_35S	562782.1	8743749.3	1241.4	0	-90	62	AC
KPAC115	WGS84_35S	562705.2	8743751.8	1240.9	0	-90	21	AC
KPAC120	WGS84_35S	562580	8743756	1240.74	0	-90	45	AC
KPAC121	WGS84_35S	562530	8743757	1240.15	0	-90	35	AC
KPAC126	WGS84_35S	562999	8743734	1242.4	0	-90	48	AC
KPAC133	WGS84_35S	562826	8743706.3	1241.4	0	-90	55	AC
KPAC135	WGS84_35S	562775.4	8743701.5	1241.1001	0	-90	51	AC

KPAC140	WGS84_35S	562649	8743720	1240.63	0	-90	40 AC
KPAC142	WGS84_35S	562599	8743719	1240.4	0	-90	12 AC
KPAC149	WGS84_35S	563003.1	8743682.5	1242.2001	0	-90	42 AC
KPAC152	WGS84_35S	562926	8743675.7	1242	0	-90	59 AC
KPAC154	WGS84_35S	562876.5	8743674.5	1241.5	0	-90	41 AC
KPAC159	WGS84_35S	562750	8743690	1241.5	0	-90	39 AC
KPAC162	WGS84_35S	562675	8743692	1240.6801	0	-90	42 AC
KPAC165	WGS84_35S	562600	8743690	1240.1801	0	-90	39 AC
KPAC173	WGS84_35S	563032.5	8743637.6	1242	0	-90	46 AC
KPAC184	WGS84_35S	562744	8743642	1241.09	0	-90	26 AC
KPAC188	WGS84_35S	562644	8743644	1240.52	0	-90	36 AC
KPAC195	WGS84_35S	563208.3	8743645.4	1242.3	0	-90	60 AC
KPAC200	WGS84_35S	563311.7	8743603.3	1243.1001	0	-90	45 AC
KPAC203	WGS84_35S	563236.9	8743597.6	1242.8	0	-90	36 AC
KPAC209	WGS84_35S	563085.2	8743586.7	1242.1001	0	-90	57 AC
KPAC212	WGS84_35S	563009.8	8743581.2	1241.9	0	-90	27 AC
KPAC214	WGS84_35S	562960.8	8743578.4	1241.8	0	-90	45 AC
KPAC222	WGS84_35S	562759	8743600	1241.3101	0	-90	37 AC
KPAC224	WGS84_35S	562709	8743600	1241.01	0	-90	45 AC
KPAC225	WGS84_35S	562659	8743600	1241.11	0	-90	36 AC
KPAC232	WGS84_35S	563034	8743544	1242.5699	0	-90	42 AC
KPAC238	WGS84_35S	563213.6	8743547	1242.9	0	-90	45 AC
KPAC243	WGS84_35S	563177.4	8743489	1242.9	0	-90	54 AC
KPAC244	WGS84_35S	563152.2	8743485.3	1243	0	-90	58 AC
KPAC250	WGS84_35S	563222	8743446	1243.73	0	-90	41 AC
KPAC252	WGS84_35S	563172	8743446	1243	0	-90	47 AC
KPAC261	WGS84_35S	563197	8743381	1243.61	0	-90	30 AC
KPAC266	WGS84_35S	562947	8743381	1242.98	0	-90	52 AC
KPAC270	WGS84_35S	562747	8743381	1241.91	0	-90	39 AC
KPAC277	WGS84_35S	563147	8743316	1244.28	0	-90	48 AC
KPAC281	WGS84_35S	562947	8743316	1242.9399	0	-90	30 AC
KPAC288	WGS84_35S	563365	8743244	1243.39	0	-90	33 AC
KPAC290	WGS84_35S	563315	8743244	1243.46	0	-90	44 AC
KPAC292	WGS84_35S	563265	8743244	1243.83	0	-90	33 AC
KPAC302	WGS84_35S	563530	8743194	1241.7	0	-90	39 AC
KPAC304	WGS84_35S	563465	8743194	1242.29	0	-90	51 AC
KPAC309	WGS84_35S	563290	8743194	1243.33	0	-90	51 AC
KPAC315	WGS84_35S	563440	8743144	1242.48	0	-90	63 AC
KPAC327	WGS84_35S	562453	8744646	1232.91	0	-90	22 AC
KPAC330	WGS84_35S	562603	8744646	1234.54	0	-90	39 AC
KPAC332	WGS84_35S	562703	8744646	1235.08	0	-90	38 AC
KPAC338	WGS84_35S	563003	8744646	1234.95	0	-90	32 AC
KPAC340	WGS84_35S	563103	8744646	1234.92	0	-90	42 AC
KPAC349	WGS84_35S	562554	8744852	1231.73	0	-90	36 AC
KPAC351	WGS84_35S	562654	8744852	1232.4399	0	-90	45 AC
KPAC357	WGS84_35S	562954	8744852	1233.48	0	-90	39 AC
KPAC358	WGS84_35S	563004	8744852	1233.14	0	-90	45 AC
KPAC361	WGS84_35S	563154	8744852	1233.58	0	-90	45 AC
KPAC364	WGS84_35S	563304	8744852	1232.97	0	-90	45 AC
KPAC370	WGS84_35S	562451	8745044	1229.78	0	-90	20 AC

KPAC375	WGS84_35S	562701	8745044	1230.9399	0	-90	32	AC
KPAC377	WGS84_35S	562801	8745044	1231.26	0	-90	41	AC
KPAC380	WGS84_35S	562951	8745044	1231.49	0	-90	45	AC
KPAC389	WGS84_35S	563401	8745044	1231.09	0	-90	45	AC
KPAC396	WGS84_35S	562101	8745044	1227.71	0	-90	33	AC
KPDH001	WGS84_35S	562800.6	8743852.6	1242.4301	200	-60	180.3	DD
KPRC002	WGS84_35S	563134.8	8743640.4	1242.33	185	-60	58	RC
KPRC008	WGS84_35S	562981.1	8743734	1242	200	-60	116	RC
KPRC014	WGS84_35S	563064.7	8743661	1242	200	-60	150	RC
KPRC015	WGS84_35S	563046.1	8743604.2	1241.9	200	-60	100	RC
KPRC021	WGS84_35S	563277.7	8743670	1242.3	200	-60	150	RC
KPRC028	WGS84_35S	562653.5	8743725.8	1240.5	200	-60	86	RC
KPRC033	WGS84_35S	562760.3	8743730.8	1241.3	200	-60	100	RC
KPRC035	WGS84_35S	563236.1	8743511.4	1243.3	200	-60	110	RC
KPRC040	WGS84_35S	563136.5	8743733.4	1242.3	200	-60	126	RC
KPRC045	WGS84_35S	563035.8	8743750.8	1242.1001	200	-60	100	RC
KPRC047	WGS84_35S	563014.4	8743672	1241.8	200	-60	100	RC
KPRC055	WGS84_35S	562735.9	8743810.7	1241.4	200	-60	140	RC
KPRC057	WGS84_35S	562714.2	8743731.8	1241.4	200	-60	90	RC
KPRC060	WGS84_35S	562822.2	8743738.8	1241.7001	200	-60	85	RC
KPRC062	WGS84_35S	562952.2	8743848.7	1242.5	200	-60	81	RC
KPRC065	WGS84_35S	562918.7	8743711.9	1241.9	200	-60	100	RC
KPRC072	WGS84_35S	562788	8743650	1242.4399	200	-60	57	RC
KPRC075	WGS84_35S	563080	8743544	1242.58	200	-60	80	RC
KVAC004	WGS84_35S	563339	8742300	1252.88	0	-90	50	AC
KVAC005	WGS84_35S	563243	8742296	1253.88	0	-90	50	AC
KVAC007	WGS84_35S	563056	8742284	1254.46	0	-90	50	AC
KVAC014	WGS84_35S	563642	8742467	1245.75	0	-90	70	RC
KVAC016	WGS84_35S	563442	8742467	1248.53	0	-90	70	RC
KVAC020	WGS84_35S	563054	8742448	1252.51	0	-90	70	RC
KVAC023	WGS84_35S	562748	8742432	1253.34	0	-90	60	RC
KVAC025	WGS84_35S	562551	8742424	1253.4301	0	-90	70	RC
KVAC032	WGS84_35S	563236	8742684	1247.59	0	-90	60	AC
KVAC034	WGS84_35S	563034	8742678	1249.3199	0	-90	60	AC
KVAC036	WGS84_35S	562839	8742722	1249.38	0	-90	60	AC
KVAC043	WGS84_35S	563541	8742894	1242.77	0	-90	60	RC
KVAC045	WGS84_35S	563351	8742890	1244.58	0	-90	60	RC
KVAC047	WGS84_35S	563156	8742896	1245.65	0	-90	60	RC
KVAC049	WGS84_35S	562945	8742880	1246.89	0	-90	60	RC
KVAC053	WGS84_35S	562552	8742902	1245.84	0	-90	60	RC
KVAC055	WGS84_35S	562333	8742874	1244.24	0	-90	60	RC
KVAC057	WGS84_35S	563538	8743102	1241.33	0	-90	60	AC
KVAC059	WGS84_35S	563339	8743110	1243.58	0	-90	60	AC
KVAC061	WGS84_35S	563136	8743104	1244.38	0	-90	60	AC
KVAC062	WGS84_35S	563021	8743098	1244.46	0	-90	60	AC
KVAC066	WGS84_35S	562624	8743102	1243.33	0	-90	60	AC
KVAC073	WGS84_35S	563307	8742102	1255.62	0	-90	60	RC
KVAC079	WGS84_35S	562714	8742110	1256.51	0	-90	60	RC
KVAC084	WGS84_35S	563528	8741876	1257.27	0	-90	60	RC
KVAC091	WGS84_35S	562828	8741892	1257.99	0	-90	60	RC

KVAC093	WGS84_35S	562629	8741890	1258.3	0	-90	60	RC
KVAC095	WGS84_35S	562368	8741906	1258.98	0	-90	60	RC
KVAC105	WGS84_35S	562534	8741696	1258.72	0	-90	60	RC
KVAC109	WGS84_35S	563024	8741498	1258.63	0	-90	60	RC
KVRC019	WGS84_35S	563273.2	8743547.7	1243.4	90	-60	90	RC
KVRC020	WGS84_35S	563299.8	8743547.9	1243.7001	90	-60	80	RC
KVRC022	WGS84_35S	563349.1	8743547.8	1245.2001	90	-60	61	RC
KVRC024	WGS84_35S	563400.5	8743547.7	1246.3	90	-60	60	RC
KVRC026	WGS84_35S	563290	8743508	1244.15	90	-60	110	RC
KVRC029	WGS84_35S	563324.3	8743299.8	1243.6001	90	-60	63	RC
KVRC030	WGS84_35S	563346.9	8743300.1	1243.6001	90	-60	70	RC
KVRC037	WGS84_35S	563503.5	8743389.6	1251.7001	90	-60	61	RC
KVRC039	WGS84_35S	563381.3	8743380.3	1246.1001	90	-60	136	RC
KVRC042	WGS84_35S	563419.1	8743487.7	1258.5	90	-60	80	RC
KVRC044	WGS84_35S	563303.6	8743439.8	1243.7001	90	-60	111	RC
KVRC049	WGS84_35S	563336.1	8743339.1	1244	90	-60	99	RC
KVRC051	WGS84_35S	563255	8743435.4	1243.1001	90	-60	100	RC
KVRC057	WGS84_35S	563389.5	8743241.3	1243.3	90	-60	80	RC
KVRC062	WGS84_35S	563540.9	8743150	1240.9	90	-60	80	RC
KVRC065	WGS84_35S	563296.3	8743337.6	1243.7001	270	-60	100	RC
KVRC067	WGS84_35S	563243.8	8743490.7	1243.2001	90	-60	90	RC
TCAC109	WGS84_35S	562230	8743810	1233.29	0	-90	41	AC
TCAC113	WGS84_35S	562330	8743810	1237.24	0	-90	40	AC
TCAC118	WGS84_35S	562181	8743760	1231.75	0	-90	41	AC
TCAC120	WGS84_35S	562281	8743760	1234.7	0	-90	48	AC
TCAC124	WGS84_35S	562281	8743760	1234.7	0	-90	25	AC
TCAC129	WGS84_35S	562231	8743660	1233.15	0	-90	24	AC
TCAC138	WGS84_35S	562438	8743660	1238.55	0	-90	57	AC
TCAC140	WGS84_35S	562388	8743660	1236.77	0	-90	21	AC
TCAC144	WGS84_35S	562190	8743534	1234.46	0	-90	50	AC
TCDG003	WGS84_35S	562226	8744221	1231.3	225	-65	140.3	DD
TFDH006	WGS84_35S	562076	8744802	1229	90	-60	312.60001	DD
TFDH007	WGS84_35S	562237	8744803	1230.58	265	-60	482.39999	DD
TFRC027	WGS84_35S	561950.3	8744968.4	1222.5	90	-60	80	RC
TFRC029	WGS84_35S	561917.5	8744920.2	1221.9	90	-60	180	RC
TFRC030	WGS84_35S	562019.1	8744879	1222.1001	90	-60	120	RC
TFRC035	WGS84_35S	562050	8744967.9	1229.3	90	-60	50	RC
TFRC039	WGS84_35S	561975.1	8745020.3	1225.5	90	-60	60	RC
TFRC041	WGS84_35S	561874.7	8745019.6	1223.8	90	-60	55	RC
TFRC044	WGS84_35S	562048.7	8744780	1228.2001	90	-60	131	RC
TFRC048	WGS84_35S	561834.9	8744917	1224.8	90	-60	130	RC
TFRC053	WGS84_35S	562025.4	8744697.2	1227.3	90	-60	103	RC
TFRC055	WGS84_35S	562131.8	8744836.3	1229.7001	90	-60	121	RC
TFRC059	WGS84_35S	561985	8744756	1227.4	90	-60	150	RC
TFRC060	WGS84_35S	561935	8744714	1227.05	90	-60	125	RC
TFRC066	WGS84_35S	562165	8744653.9	1229.1001	90	-60	131	RC
TFRC068	WGS84_35S	562263	8744662.2	1230.3	90	-60	86	RC
TFRC071	WGS84_35S	562315.9	8744629.3	1231	90	-60	80	RC
TFRC077	WGS84_35S	561971.3	8744604.6	1226.7001	90	-60	80	RC
TFRC079	WGS84_35S	562293.3	8744708	1230.6001	90	-60	80	RC

TFRC081	WGS84_35S	562193.7	8744702.7	1229.6001	90	-60	80	RC
TFRC082	WGS84_35S	562136.8	8744699.8	1229.2001	90	-60	150	RC
TFRC084	WGS84_35S	562190.1	8744752.1	1229.7001	90	-60	150	RC
TFRC089	WGS84_35S	562212.4	8744573.6	1229.8	90	-60	116	RC
TFRC090	WGS84_35S	562162.8	8744570.5	1229.46	90	-60	100	RC
TFRC095	WGS84_35S	562050.9	8744732	1227.9	90	-60	150	RC
TFRC097	WGS84_35S	562137.4	8744800.2	1229.2001	90	-60	150	RC
TFRC104	WGS84_35S	561912.1	8744691.4	1226.8	90	-60	100	RC
KPAC397	WGS84_35S	561800	8744570	1226.27	0	-90	45	AC
KPAC407	WGS84_35S	560809	8744458	1233.47	0	-90	45	AC
KPAC409	WGS84_35S	561608	8744242	1226.0601	0	-90	27	AC
KPAC411	WGS84_35S	561413	8744234	1230.24	0	-90	39	AC
KPAC415	WGS84_35S	561017	8744194	1235.33	0	-90	40	AC
KPAC416	WGS84_35S	561617	8744044	1229.33	0	-90	18	AC
KPAC421	WGS84_35S	561132	8744038	1238.66	0	-90	38	AC
KPAC425	WGS84_35S	561667	8744810	1225.14	0	-90	35	AC
KPAC428	WGS84_35S	561417	8744798	1224.14	0	-90	45	AC
KPAC431	WGS84_35S	561121	8744768	1224.37	0	-90	33	AC
KPAC434	WGS84_35S	561842	8745064	1224.77	0	-90	43	AC
KPAC439	WGS84_35S	562092	8745074	1227.28	0	-90	50	AC
KPAC443	WGS84_35S	562480	8745098	1229.6	0	-90	39	AC
KPAC445	WGS84_35S	563414	8743664	1242.12	0	-90	43	AC
KPAC450	WGS84_35S	563684	8744058	1236.17	0	-90	37	AC
KPAC453	WGS84_35S	563901	8744294	1233.52	0	-90	36	AC
KPAC458	WGS84_35S	561063	8743822	1239.9301	0	-90	48	AC
KPAC462	WGS84_35S	563785	8743698	1235.21	0	-90	50	AC
KPAC467	WGS84_35S	564287	8743686	1230.95	0	-90	50	AC
KPAC473	WGS84_35S	564003	8743910	1233.36	0	-90	28	AC
KPAC475	WGS84_35S	564208	8743904	1231.65	0	-90	50	AC
KPAC480	WGS84_35S	564000	8744106	1233.23	0	-90	50	AC
KPAC487	WGS84_35S	564100	8744294	1231.97	0	-90	42	AC
KPAC491	WGS84_35S	564500	8744298	1228.28	0	-90	50	AC
KPAC493	WGS84_35S	563690	8743526	1236.8101	0	-90	50	AC
KPAC505	WGS84_35S	561995	8745320	1223.5601	0	-90	50	AC
KPAC513	WGS84_35S	562800	8745285	1229.73	0	-90	50	AC
KPAC516	WGS84_35S	563100	8745270	1229.4	0	-90	50	AC
KPAC522	WGS84_35S	563600	8745100	1229.63	0	-90	50	AC
KPAC528	WGS84_35S	562100	8745500	1223.49	0	-90	45	AC
KPAC532	WGS84_35S	562500	8745500	1226.34	0	-90	41	AC
KPAC533	WGS84_35S	562600	8745500	1226.4	0	-90	50	AC
KPAC537	WGS84_35S	563000	8745500	1227.87	0	-90	50	AC
KPAC541	WGS84_35S	563400	8745500	1225.74	0	-90	43	AC
KPAC544	WGS84_35S	560800	8743100	1253.41	0	-90	50	AC
KPAC548	WGS84_35S	560700	8743100	1254.49	0	-90	50	AC
KPAC553	WGS84_35S	560200	8743100	1260.4301	0	-90	31	AC
KPAC555	WGS84_35S	561203	8742900	1256.88	0	-90	43	AC
KPAC557	WGS84_35S	561006	8742902	1257.9301	0	-90	50	AC
KPAC559	WGS84_35S	560800	8742904	1258.35	0	-90	60	AC
KPAC564	WGS84_35S	560300	8742902	1261.62	0	-90	60	AC
KPAC568	WGS84_35S	561400	8742500	1262.3	0	-90	60	AC

KPAC575	WGS84_35S	561400	8742100	1262.51	0	-90	54	AC
KPAC578	WGS84_35S	561100	8742100	1263.77	0	-90	60	AC
KPAC584	WGS84_35S	561300	8741700	1262.76	0	-90	51	AC
KPAC586	WGS84_35S	561100	8741700	1263.9301	0	-90	51	AC
KPAC591	WGS84_35S	561900	8746600	1209.17	0	-90	25	AC
KPAC593	WGS84_35S	560300	8744200	1239.97	0	-90	46	AC
KPAC594	WGS84_35S	560200	8744200	1239.83	0	-90	44	AC
KPAC601	WGS84_35S	560200	8744600	1233.65	0	-90	51	AC
KPAC605	WGS84_35S	560600	8745000	1226.65	0	-90	39	AC
KPAC606	WGS84_35S	560500	8745000	1226.8101	0	-90	48	AC
KPAC608	WGS84_35S	561000	8745000	1224.5	0	-90	43	AC
TCDH037	WGS84_35S	562330.5	8744089.1	1194.8	270	-60	215.5	DD
TCDH039	WGS84_35S	562149.3	8743897.7	1230.6001	45	-60	304	DD
TCDH044	WGS84_35S	562410.588	8744176.802	1192.0331	270	-60	309.70001	DD
TCDH050	WGS84_35S	562333.578	8744123.553	1189.707	265	-60	390.10001	DD
TCDH054	WGS84_35S	562253.741	8744018.65	1212.127	265	-60	455	DD
TCDH059	WGS84_35S	562182.935	8743964.152	1212.1801	265	-60	393.5	DD
TCRC152	WGS84_35S	562507.4	8744002.8	1240.3	270	-60	150	RC
TCRC154	WGS84_35S	562021.6	8743949	1229.4	85	-60	80	RC
TCRC161	WGS84_35S	562113.9	8744258.4	1228.3	85	-60	128	RC
TCRC163	WGS84_35S	562095.4	8744108.2	1226.3	85	-60	140	RC
TCRC165	WGS84_35S	561922.6	8743956.7	1230.51	85	-60	124	RC
TCRC168	WGS84_35S	562216.3	8744457.2	1225.9	85	-60	96	RC
TCRC170	WGS84_35S	562422.5	8743951.4	1222.7001	315	-60	150	RC
TCRC172	WGS84_35S	562045.8	8744008.4	1229.3	85	-60	150	RC
TCRC179	WGS84_35S	562413.3	8744484	1232.4	270	-60	137	RC
TCRC181	WGS84_35S	562384.2	8744532.1	1232	270	-60	149	RC
TCRC188	WGS84_35S	562520.8	8744394.1	1235.3	270	-60	149	RC
TCRC193	WGS84_35S	562100.9	8743859.2	1229.6001	90	-60	109	RC
TCRC199	WGS84_35S	562003.1	8744097.4	1229.14	90	-60	50	RC
TCRC202	WGS84_35S	562081.8	8744209.1	1228.95	90	-60	150	RC
TCRD003	WGS84_35S	562494.3	8744340.2	1235.1001	265	-60	409.60001	RC
TCRD009	WGS84_35S	562169.1	8744225	1226.8	85	-60	392.10001	RC
TCRD010	WGS84_35S	562080.7	8744101.6	1226	85	-60	450	RC
TCRD013	WGS84_35S	562289.281	8744473.012	1230.125	85	-60	143.5	RC
TCRD017	WGS84_35S	562324.895	8744534.44	1230.7471	265	-60	430.39999	RC
TCRD018DT	WGS84_35S	562386.2	8744431.9	1231.9	265	-60	420.70001	DD
TCRD019	WGS84_35S	562261.7	8744521.3	1230.66	265	-60	161.5	RC
TCRD021DT	WGS84_35S	562300.5	8744626.5	1230.6	265	-60	258.29999	DD
TCRD025	WGS84_35S	562191.3	8744563.8	1229.6899	85	-60	289.79999	RC
TCRD027	WGS84_35S	562089.7	8744554.3	1228.08	85	-60	100	RC
TCRD032	WGS84_35S	562242.8	8744802.4	1229.4	85	-60	140	RC
TCRD033DT	WGS84_35S	562429.3	8744390.2	1232.5	265	-60	186.89999	DD
TCRD038	WGS84_35S	562080.1	8744694.3	1227.5	85	-60	140	RC
TCRD039	WGS84_35S	562012.6	8744686.6	1226.9	85	-60	72	RC
TCRD043	WGS84_35S	562350.1	8744315.4	1203	30	-70	375.79999	RD
TCRD045	WGS84_35S	562323.7	8744245.4	1202.6001	90	-60	60	RD
TCRD054	WGS84_35S	562361	8744619	1231.4	270	-60	100	RD
TFDH008	WGS84_35S	561972	8744826	1221	265	-50	378.60001	DD
TFRC105	WGS84_35S	561775.5	8744900.9	1224.5	90	-60	150	RC

TFRC107	WGS84_35S	562085	8745070.5	1226.7001	270	-60	75	RC
TFRC112	WGS84_35S	562880	8744558	1236.77	0	-90	81	RC
STCDH_004	WGS84_35S	562399.269	8744209.688	1160.236	88.199997	-63.700001	157	DD
STCDH_006	WGS84_35S	562398.946	8744253.149	1160.02	87.699997	-65.099998	151	DD
STCDH_008	WGS84_35S	562295.713	8744225.042	1159.92	91.5	-60.200001	59	DD
STCDH_015	WGS84_35S	562079.333	8743908.404	1187.5811	94.099998	-61.299999	75	DD
STCDH_017	WGS84_35S	562237.396	8744046.259	1157.639	43.900002	-89.800003	104	DD
STCDH_021	WGS84_35S	562234.999	8743956.968	1157.2	184.10001	-59.700001	98.230003	DD
STCDH_023	WGS84_35S	562253.364	8743969.977	1157.306	272.29999	-60.099998	231.8	DD
STCDH_028	WGS84_35S	562300.096	8744026.939	1157.6851	270.20001	-61.900002	167.2	DD
STCDH_030	WGS84_35S	562264.79	8743950.359	1157.168	179.89999	-70.300003	123.1	DD
STCDH_032	WGS84_35S	562264.808	8744023.949	1157.4871	270	-60.099998	147.60001	DD
STCDH_039	WGS84_35S	562222.902	8744237.932	1182.7371	94.300003	-61.400002	319.10001	DD
STCDH_044	WGS84_35S	562201.816	8744135.302	1179.923	96.199997	-60	151.5	DD
STCDH_046	WGS84_35S	562209.712	8744161.568	1179.996	89.5	-60.400002	330.60001	DD
STCDH_049	WGS84_35S	562347.026	8744352.27	1177.522	97	-82.400002	333.5	DD
STCDH_050	WGS84_35S	562275.148	8744300.291	1180.188	95.5	-80.900002	354.5	DD
STCDH_058	WGS84_35S	562330.76	8744475.579	1208.557	70	-6.3000002	209.2	DD
STCDH_059	WGS84_35S	562297.013	8744475.343	1207.7371	280.60001	-65.5	173.5	DD
STCDH_064	WGS84_35S	562478.665	8744188.001	1170.056	269.89999	-58.400002	322.39999	DD
STCDH_065	WGS84_35S	562374.076	8744355.046	1170.285	95.599998	-62.900002	190	DD
STCDH_067	WGS84_35S	562309.258	8744401.519	1208.834	90	0	167.3	DD
STFDH_002	WGS84_35S	561820.838	8744860.393	1202.656	70.900002	-50.400002	350	DD
STFDH_004	WGS84_35S	561923.768	8744872.944	1166.7581	85	-58	240	DD
STFDH_006	WGS84_35S	561950.83	8744849.859	1166.783	92.900002	-59.900002	180.2	DD
STFDH_012	WGS84_35S	561990.779	8744800.88	1167.277	278.29999	-81	157.8	DD
STFDH_014	WGS84_35S	561982.968	8744822.325	1167.015	91.099998	-61.200001	249.7	DD
STFDH_016	WGS84_35S	562018.614	8744801.973	1166.91	270.39999	-58.700001	228	DD
STFDH_021	WGS84_35S	562124.316	8744741.047	1206.6591	273	-55	147.5	DD
STFDH_022	WGS84_35S	562168.216	8744720.626	1207.036	90	0	75	DD
STFDH_026	WGS84_35S	562067.722	8744790.162	1182.2939	32.799999	-70	168	DD
STFDH_030	WGS84_35S	562225.441	8744702.45	1207.319	268.39999	-70.400002	159	DD
KVDH002	WGS84_35S	563412.4	8743442.5	1258.7001	90	-60	110	DD
KVDH003	WGS84_35S	563403.4	8743390.9	1248.2001	90	-60	129.60001	DD
KVRC004	WGS84_35S	563438.5	8743491.5	1258.9	90.900002	-58.200001	72	RC
KVRC007	WGS84_35S	563376.2	8743486.4	1257.6001	267.39999	-59.799999	50	RC
KVRC010	WGS84_35S	563475.9	8743390.8	1253	90	-60	67	RC
KVRC014	WGS84_35S	563452.9	8743531.6	1248.25	94.199997	-59.299999	112	RC
KVTR002	WGS84_35S	563491	8743388	1252.85	0	-90	79	PT
KVTR004	WGS84_35S	563514	8743328	1244.58	0	-90	79	PT
TCDH004	WGS84_35S	562441.4	8743957.8	1240.1001	315	-60	89.699997	DD
TCRC002	WGS84_35S	562459.9	8744090.4	1237.7001	270	-60	67	RC
TCRC004	WGS84_35S	562364.6	8744270.8	1232.4	276.10001	-58.700001	72	RC
TCRC009	WGS84_35S	562349.6	8744190.2	1233.2001	276.20001	-62	62	RC
TCRC013	WGS84_35S	562394.1	8744085.9	1236.1001	270	-60.5	61	RC
TCRC015	WGS84_35S	562439.6	8744438.8	1233.5	94.699997	-59.5	50	RC
TCRC018	WGS84_35S	562423	8744388	1233.8	90	-60.5	57	RC
TCRC021	WGS84_35S	562389.6	8744332.5	1233.2001	271.70001	-60.400002	72	RC
TCRC023	WGS84_35S	562409.8	8744307	1233.5	270	-60	67	RC
TCRC032	WGS84_35S	562390.8	8744486	1232.5	90.400002	-53.599998	57	RC

TCRC034	WGS84_35S	562419.3	8744435.9	1233	91.699997	-60.099998	91	RC
TCRC038	WGS84_35S	562347.9	8744194.1	1233.1001	0.1	-89	57	RC
TCTR001	WGS84_35S	562440	8744262	1240.3	0	-90	13	PT
TCTR005	WGS84_35S	562393	8744086	1236.3	0	-90	70	PT
TCTR008	WGS84_35S	562363	8744228	1233.3	0	-90	48	PT
TFRC004	WGS84_35S	561891.6	8744870.6	1226.3	84.699997	-60.599998	58	RC
TFRC009	WGS84_35S	561971.9	8744776.6	1227.2001	90.5	-58.5	60	RC
TFRC010	WGS84_35S	561921.9	8744775.5	1226.5	93.300003	-60.200001	50	RC
TFRC017	WGS84_35S	562041.4	8744887.1	1229.5	90	-60	57	RC
TFRC020	WGS84_35S	561837.2	8744778.8	1224.2001	339.60001	-56.700001	97	RC
TFRC023	WGS84_35S	561968.2	8744875.8	1224.9	90	-60	79	RC
TFRC025	WGS84_35S	561969.5	8744923.2	1227.5	90	-60	75	RC
TFTR003	WGS84_35S	562081	8744858	1230.85	0	-90	32	PT
TSDH002	WGS84_35S	562303.7	8743877.8	1241.2001	30	-60	107.1	DD
TSRC001	WGS84_35S	562300.3	8743877.9	1241.25	27.9	-60.900002	30	RC
KPAC006	WGS84_35S	561395	8743650	1237.17	0	-90	42	AC
KPAC008	WGS84_35S	561455	8743616	1236.24	0	-90	40	AC
KPAC014	WGS84_35S	560544	8744124	1240.46	0	-90	40	AC
KPAC015	WGS84_35S	560512	8744022	1242.64	0	-90	40	AC
KPAC021	WGS84_35S	560827	8743810	1242.6	0	-90	39	AC
KPAC028	WGS84_35S	562640	8744444	1237	0	-90	33	AC
KPAC032	WGS84_35S	562840	8744458	1237.76	0	-90	12	AC
KPAC034	WGS84_35S	562938	8744462	1237.802	0	-90	18	AC
KPAC040	WGS84_35S	562658	8744244	1239.51	0	-90	38	AC
KPAC042	WGS84_35S	562752	8744252	1239.8101	0	-90	30	AC
KPAC047	WGS84_35S	563001	8744262	1239.46	0	-90	30	AC
KPAC048	WGS84_35S	563050	8744268	1239.21	0	-90	35	AC
KPAC050	WGS84_35S	562585	8744042	1241.35	0	-90	39	AC
KPAC057	WGS84_35S	562936	8744056	1242.6801	0	-90	39	AC
KPAC064	WGS84_35S	562914	8743856	1242.75	0	-90	33	AC
TCAC004	WGS84_35S	562242.2	8744219.6	1230.5	189.3	-88.699997	66	AC
TCAC017	WGS84_35S	562278.1	8744122.4	1232.2001	0	-90	69	AC
TCAC022	WGS84_35S	562204.5	8744109.9	1231.1001	0	-90	69	AC
TCAC026	WGS84_35S	562357.8	8744028.6	1236.8	0	-90	75	AC
TCAC028	WGS84_35S	562308	8744025.2	1234.5	0	-90	63	AC
TCAC031	WGS84_35S	562197.8	8744018.6	1231.2001	0	-90	75	AC
TCAC033	WGS84_35S	562146.5	8744016	1230.4	0	-90	32	AC
TCAC035	WGS84_35S	562095.8	8744013.9	1229.9	255	-89.300003	54	AC
TCAC041	WGS84_35S	562071.6	8743955.8	1230	0	-90	55	AC
TCAC045	WGS84_35S	562140.8	8743914.9	1230.6001	0	-90	57	AC
TCAC048	WGS84_35S	562050.4	8743906.3	1230.3	0	-90	39	AC
TCAC057	WGS84_35S	562070.2	8744100.9	1228.9	0	-90	75	AC
TCAC059	WGS84_35S	562012.7	8744099.6	1228.3	0	-90	52	AC
TCAC065	WGS84_35S	562003	8744050	1228.7001	0	-90	41	AC
TCAC069	WGS84_35S	561927.6	8744050.1	1233.33	0	-90	32	AC
TCAC075	WGS84_35S	561938.5	8743999.4	1231.02	0	-90	45	AC
TCAC079	WGS84_35S	562102.4	8744209.7	1228.7001	0	-90	63	AC
TCAC081	WGS84_35S	562043.4	8744207.8	1228.3	0	-90	39	AC
TCAC090	WGS84_35S	562133.4	8744360.2	1228.3	0	-90	40	AC
TCAC100	WGS84_35S	563107	8743662	1242.28	0	-90	60	AC

TCAC102	WGS84_35S	562850	8743800	1242.17	0	-90	72	AC
TCDH007	WGS84_35S	562468.8	8744188.6	1236.8	270	-60	261.5	DD
TCDH013	WGS84_35S	562288	8744122	1232.4	270	-60	285.10001	DD
TCDH017	WGS84_35S	562376	8744382.7	1232.3	90	-60	75	DD
TCDH019	WGS84_35S	562377.1	8744481.8	1232	90	-60	112	DD
TCDH020	WGS84_35S	562337.7	8744249.9	1232.1001	270	-60	127.85	DD
TCDH023	WGS84_35S	562392.4	8744033.4	1237.3	270	-60	176.60001	DD
TCDH027	WGS84_35S	562511	8744342	1235.8	269	-59	209.2	DD
TCRC040	WGS84_35S	562428.4	8744034.3	1238	101	-88.199997	106	RC
TCRC042	WGS84_35S	562482.6	8744088.1	1238.7001	270	-60	151	RC
TCRC043	WGS84_35S	562366.9	8744070.7	1234.35	262.70001	-59.400002	96	RC
TCRC047	WGS84_35S	562341.2	8744276.4	1231.5	270	-60	100	RC
TCRC049	WGS84_35S	562354.4	8744378.6	1231.5	92.5	-60.599998	78	RC
TCRC054	WGS84_35S	562263.1	8744327.8	1230	270	-60	81	RC
TCRC058	WGS84_35S	562222.5	8744377.4	1229.6001	93.099998	-61.299999	65	RC
TCRC061	WGS84_35S	562346.1	8744477.5	1231.7001	90	-60	90	RC
TCRC062	WGS84_35S	562289.5	8744474.7	1230.6001	90	-60	81	RC
TCRC064	WGS84_35S	562454.7	8744539	1233.4	90	-60	69	RC
TCRC067	WGS84_35S	562365.9	8744536.5	1232.1001	91.699997	-59.700001	60	RC
TCRC071	WGS84_35S	562447.8	8744386	1233.7001	90	-60	86	RC
TCRC077	WGS84_35S	562373.6	8743870	1239.2001	244.8	-90	50	RC
TCRC079	WGS84_35S	562314	8743868.5	1240.5	303.60001	-89.800003	42	RC
TCRC081	WGS84_35S	562253.6	8743867.2	1235.4	74.199997	-84.900002	45	RC
TCRC084	WGS84_35S	562162.1	8743863.6	1230.9	0	-90	36	RC
TCRC086	WGS84_35S	562101.9	8743863.3	1230	63.799999	-89.800003	60	RC
TCRC090	WGS84_35S	562394.5	8743984.2	1238.5	0	-90	81	RC
TCRC095	WGS84_35S	562193.2	8744469.7	1228.8	91.099998	-60.900002	81	RC
TCRC097	WGS84_35S	562135.9	8744468.7	1227.7001	97	-61.200001	63	RC
TCRC105	WGS84_35S	562505.3	8744441.2	1234.8	94.099998	-59.599998	30	RC
TCRC107	WGS84_35S	562516.8	8744392.8	1235.5	89	-59.799999	32	RC
TCRC116	WGS84_35S	562320	8744186	1232.5	82	-89.699997	72	RC
TCRC118	WGS84_35S	562242	8744163	1231.1001	312.79999	-90	82	RC
TCRC122	WGS84_35S	562306	8744121	1232.9	0	-90	80	RC
TCRC123	WGS84_35S	562228	8744112	1231.4	0	-90	79	RC
TCRC128	WGS84_35S	562163	8744526	1228.75	0	-90	40	RC
TCRC131	WGS84_35S	562182	8744021	1231.64	270	-60	86	RC
TCRC137	WGS84_35S	562193	8744064	1231.4	270	-60	70	RC
TCRC142	WGS84_35S	562339.1	8744016.9	1227.4	0	-90	100	RC
TCRC144	WGS84_35S	562313.4	8744017.3	1227.4	0	-90	120	RC
TCRC147	WGS84_35S	562172.7	8744525.4	1228	270	-60	140	RC
KPAC081	WGS84_35S	562733	8743848	1242.12	0	-90	39	AC
KPAC084	WGS84_35S	562733	8743836	1241.79	0	-90	42	AC
KPAC087	WGS84_35S	562658	8743830	1241.59	0	-90	40	AC
KPAC091	WGS84_35S	562785.3	8743800.9	1241.9	0	-90	45	AC
KPAC094	WGS84_35S	562709.5	8743792.7	1241.3	0	-90	30	AC
KPAC096	WGS84_35S	562666	8743784	1241.13	0	-90	56	AC
KPAC099	WGS84_35S	562591	8743780	1240.54	0	-90	51	AC
KPAC103	WGS84_35S	563030	8743782	1242.99	0	-90	39	AC
KPAC106	WGS84_35S	562930	8743774	1242.52	0	-90	38	AC
KPAC116	WGS84_35S	562681.8	8743740.2	1240.7001	0	-90	50	AC

KPAC118	WGS84_35S	562632.1	8743730.8	1240.6001	0	-90	48 AC
KPAC119	WGS84_35S	562606.3	8743723.5	1240.3	0	-90	60 AC
KPAC122	WGS84_35S	563124	8743744	1242.41	0	-90	44 AC
KPAC124	WGS84_35S	563074	8743728	1242.5601	0	-90	50 AC
KPAC129	WGS84_35S	562924	8743722.9	1242	0	-90	65 AC
KPAC132	WGS84_35S	562848.9	8743716.7	1241.5	0	-90	59 AC
KPAC134	WGS84_35S	562800.4	8743704.4	1241.2001	0	-90	51 AC
KPAC137	WGS84_35S	562724.1	8743695.9	1240.8	0	-90	14 AC
KPAC139	WGS84_35S	562674	8743720	1240.8199	0	-90	53 AC
KPAC141	WGS84_35S	562624	8743718	1240.63	0	-90	18 AC
KPAC144	WGS84_35S	563155.5	8743692.7	1242.2001	0	-90	21 AC
KPAC150	WGS84_35S	562977.8	8743681.7	1241.9	0	-90	42 AC
KPAC155	WGS84_35S	562826.6	8743670.9	1241.2001	0	-90	45 AC
KPAC157	WGS84_35S	562803.4	8743669.8	1241.3	0	-90	11 AC
KPAC167	WGS84_35S	562550	8743690	1239.8	0	-90	20 AC
KPAC168	WGS84_35S	563183.7	8743644.1	1242.3	0	-90	60 AC
KPAC171	WGS84_35S	563083.2	8743638.5	1242.1001	0	-90	60 AC
KPAC177	WGS84_35S	562928.8	8743631.2	1241.6001	0	-90	23 AC
KPAC178	WGS84_35S	562904.8	8743626.9	1241.8	0	-90	15 AC
KPAC183	WGS84_35S	562769	8743642	1241.25	0	-90	37 AC
KPAC185	WGS84_35S	562719	8743642	1241.62	0	-90	49 AC
KPAC187	WGS84_35S	562669	8743642	1240.83	0	-90	30 AC
KPAC189	WGS84_35S	562619	8743642	1240.35	0	-90	44 AC
KPAC191	WGS84_35S	562569	8743642	1239.8101	0	-90	14 AC
KPAC194	WGS84_35S	562494	8743642	1240.6801	0	-90	36 AC
KPAC198	WGS84_35S	563284	8743644	1242.91	0	-90	30 AC
KPAC202	WGS84_35S	563262.8	8743599.4	1242.9	0	-90	69 AC
KPAC205	WGS84_35S	563187.3	8743594.9	1242.5	0	-90	46 AC
KPAC207	WGS84_35S	563136.1	8743591.4	1242.3	0	-90	48 AC
KPAC211	WGS84_35S	563035.9	8743582.6	1242.1001	0	-90	41 AC
KPAC216	WGS84_35S	562910.3	8743576.5	1241.7001	0	-90	46 AC
KPAC228	WGS84_35S	563140.4	8743541	1242.5	0	-90	26 AC
KPAC231	WGS84_35S	563065.6	8743535.8	1242.3	0	-90	32 AC
KPAC233	WGS84_35S	563009	8743544	1243.15	0	-90	42 AC
KPAC236	WGS84_35S	562884	8743544	1242.28	0	-90	46 AC
KPAC246	WGS84_35S	563097	8743496	1242.85	0	-90	42 AC
KPAC248	WGS84_35S	562997	8743496	1242.74	0	-90	51 AC
KPAC255	WGS84_35S	563147	8743446	1243.27	0	-90	36 AC
KPAC257	WGS84_35S	563072	8743446	1242.87	0	-90	42 AC
KPAC264	WGS84_35S	563047	8743381	1244.12	0	-90	47 AC
KPAC273	WGS84_35S	562597	8743381	1240.02	0	-90	48 AC
KPAC275	WGS84_35S	563247	8743316	1243.85	0	-90	52 AC
KPAC286	WGS84_35S	562697	8743244	1242.01	0	-90	22 AC
KPAC287	WGS84_35S	563390	8743244	1243.41	0	-90	32 AC
KPAC289	WGS84_35S	563340	8743244	1243.29	0	-90	48 AC
KPAC295	WGS84_35S	563140	8743244	1243.6899	0	-90	45 AC
KPAC298	WGS84_35S	562990	8743244	1243.33	0	-90	27 AC
KPAC300	WGS84_35S	562890	8743244	1243.62	0	-90	27 AC
KPAC301	WGS84_35S	562840	8743244	1242.98	0	-90	25 AC
KPAC306	WGS84_35S	563415	8743194	1242.71	0	-90	53 AC

KPAC308	WGS84_35S	563340	8743194	1242.97	0	-90	54	AC
KPAC311	WGS84_35S	563555	8743194	1241.04	0	-90	54	AC
KPAC313	WGS84_35S	563140	8743194	1243.63	0	-90	55	AC
KPAC324	WGS84_35S	563545	8743094	1241.1899	0	-90	54	AC
KPAC325	WGS84_35S	563580	8743194	1240.6899	0	-90	51	AC
KPAC333	WGS84_35S	562753	8744646	1235.39	0	-90	35	AC
KPAC336	WGS84_35S	562903	8744646	1234.92	0	-90	45	AC
KPAC339	WGS84_35S	563053	8744646	1235.49	0	-90	45	AC
KPAC343	WGS84_35S	563253	8744646	1234.78	0	-90	45	AC
KPAC344	WGS84_35S	563303	8744646	1234.59	0	-90	45	AC
KPAC346	WGS84_35S	563403	8744646	1234.29	0	-90	45	AC
KPAC350	WGS84_35S	562604	8744852	1231.7	0	-90	45	AC
KPAC352	WGS84_35S	562704	8744852	1232.16	0	-90	45	AC
KPAC355	WGS84_35S	562854	8744852	1232.79	0	-90	34	AC
KPAC360	WGS84_35S	563104	8744852	1233.5	0	-90	48	AC
KPAC362	WGS84_35S	563204	8744852	1233.3101	0	-90	48	AC
KPAC369	WGS84_35S	562401	8745044	1229.52	0	-90	45	AC
KPAC373	WGS84_35S	562601	8745044	1230.36	0	-90	41	AC
KPAC378	WGS84_35S	562851	8745044	1231.35	0	-90	41	AC
KPAC382	WGS84_35S	563051	8745044	1231.49	0	-90	45	AC
KPAC384	WGS84_35S	563151	8745044	1231.62	0	-90	48	AC
KPAC388	WGS84_35S	563351	8745044	1231.13	0	-90	48	AC
KPAC391	WGS84_35S	562351	8745044	1229.3	0	-90	36	AC
KPAC393	WGS84_35S	562251	8745044	1228.75	0	-90	32	AC
KPRC003	WGS84_35S	562890.2	8743821.9	1242.4	220	-60	150	RC
KPRC006	WGS84_35S	562851.1	8743656.8	1241.4	200	-60	117	RC
KPRC012	WGS84_35S	563091.7	8743757.4	1242.2001	200	-60	111	RC
KPRC018	WGS84_35S	563153.9	8743625.6	1242.1001	200	-60	120	RC
KPRC023	WGS84_35S	562609.6	8743934	1241.8	200	-60	80	RC
KPRC029	WGS84_35S	562701.6	8743883	1242.3	200	-60	120	RC
KPRC030	WGS84_35S	562807.7	8743875.6	1242.5	200	-60	140	RC
KPRC032	WGS84_35S	562776.5	8743779.3	1241.5	200	-60	133	RC
KPRC037	WGS84_35S	563221.7	8743645.4	1242.3	200	-60	140	RC
KPRC043	WGS84_35S	563089.8	8743579	1242.1001	200	-60	105	RC
KPRC049	WGS84_35S	562909	8743672.8	1241.6001	200	-60	89	RC
KPRC050	WGS84_35S	562642.4	8743854.6	1241.4	200	-60	120	RC
KPRC052	WGS84_35S	562614.8	8743759.7	1240.5	200	-60	120	RC
KPRC058	WGS84_35S	562852.4	8743845.6	1242.3	200	-60	140	RC
KPRC061	WGS84_35S	562806.1	8743690.5	1241.3	200	-60	101	RC
KPRC067	WGS84_35S	562562	8743788	1240.96	200	-60	85	RC
KPRC069	WGS84_35S	562531	8743702	1239.73	200	-60	100	RC
KPRC070	WGS84_35S	562693	8743702	1240.9301	200	-60	100	RC
KPRC076	WGS84_35S	563170	8743502	1243.3101	200	-60	80	RC
KVAC002	WGS84_35S	563546	8742298	1250.4399	0	-90	50	AC
KVAC008	WGS84_35S	562955	8742290	1254.6801	0	-90	50	AC
KVAC009	WGS84_35S	562858	8742229	1255.4399	0	-90	50	AC
KVAC011	WGS84_35S	562648	8742290	1255.03	0	-90	50	AC
KVAC013	WGS84_35S	562452	8742294	1255.33	0	-90	50	AC
KVAC018	WGS84_35S	563242	8742452	1251.3101	0	-90	70	RC
KVAC022	WGS84_35S	562868	8742438	1253.26	0	-90	60	RC

KVAC027	WGS84_35S	562355	8742460	1253.28	0	-90	70	RC
KVAC031	WGS84_35S	563337	8742690	1246.74	0	-90	60	AC
KVAC033	WGS84_35S	563132	8742680	1248.52	0	-90	60	AC
KVAC038	WGS84_35S	562635	8742724	1249.13	0	-90	60	AC
KVAC040	WGS84_35S	562437	8742704	1248.37	0	-90	60	AC
KVAC042	WGS84_35S	563645	8742904	1241.13	0	-90	60	RC
KVAC046	WGS84_35S	563262	8742902	1245.11	0	-90	60	RC
KVAC052	WGS84_35S	562647	8742902	1246.71	0	-90	60	RC
KVAC056	WGS84_35S	563643	8743100	1240.3199	0	-90	80	AC
KVAC064	WGS84_35S	562823	8743098	1244.6801	0	-90	60	AC
KVAC068	WGS84_35S	562425	8743104	1241.99	0	-90	60	AC
KVAC070	WGS84_35S	563604	8742070	1254.77	0	-90	60	RC
KVAC072	WGS84_35S	563400	8742096	1255.35	0	-90	60	RC
KVAC076	WGS84_35S	563010	8742107	1256.29	0	-90	60	RC
KVAC077	WGS84_35S	562917	8742094	1256.39	0	-90	60	RC
KVAC081	WGS84_35S	562512	8742114	1256.55	0	-90	60	RC
KVAC088	WGS84_35S	563116	8741836	1258	0	-90	60	RC
KVAC097	WGS84_35S	563537	8741696	1258.0699	0	-90	60	RC
KVAC101	WGS84_35S	563156	8741698	1258.37	0	-90	60	RC
KVAC106	WGS84_35S	563634	8741464	1258.58	0	-90	60	RC
KVAC110	WGS84_35S	562827	8741472	1258.14	0	-90	60	RC
KVDH006	WGS84_35S	563277	8743370	1244	90	-60	69.599998	DD
KVRC028	WGS84_35S	563386.3	8743342.5	1244.9	90	-60	136	RC
KVRC033	WGS84_35S	563424.5	8743300.1	1244.1001	90	-60	80	RC
KVRC035	WGS84_35S	563474.3	8743300.8	1243.9	90	-60	90	RC
KVRC038	WGS84_35S	563498.6	8743344.6	1246.9	90	-60	50	RC
KVRC041	WGS84_35S	563385	8743441.8	1257.6001	90	-60	140	RC
KVRC046	WGS84_35S	563332.5	8743374.2	1244.8	90	-60	106	RC
KVRC055	WGS84_35S	563477.8	8743247.2	1242.2001	90	-60	110	RC
KVRC058	WGS84_35S	563415.4	8743243.6	1243	90	-60	150	RC
KVRC060	WGS84_35S	563523	8743197	1241.3	90	-60	90	RC
KVRC066	WGS84_35S	563267.4	8743495.5	1243.5	90	-60	90	RC
TCAC106	WGS84_35S	562080	8743810	1230.71	0	-90	33	AC
TCAC110	WGS84_35S	562280	8743810	1236.45	0	-90	42	AC
TCAC115	WGS84_35S	562580	8743810	1240.86	0	-90	51	AC
TCAC117	WGS84_35S	562131	8743760	1231	0	-90	30	AC
TCAC122	WGS84_35S	562281	8743760	1234.7	0	-90	28	AC
TCAC126	WGS84_35S	562381	8743660	1236.59	0	-90	48	AC
TCAC131	WGS84_35S	562331	8743660	1235.29	0	-90	21	AC
TCAC133	WGS84_35S	562431	8743660	1238.8	0	-90	54	AC
TCAC135	WGS84_35S	562531	8743660	1239.5	0	-90	48	AC
TCAC141	WGS84_35S	562333	8743548	1235.6899	0	-90	60	AC
TCDG001	WGS84_35S	562537	8744124	1232.3	225	-65	140.2	DD
TCDG004	WGS84_35S	562178	8744220	1229.3	135	-65	133.3	DD
TFDG001	WGS84_35S	561925	8744875	1223.3	230	-66	98	DD
TFDH004	WGS84_35S	561865	8744870	1217.7	90	-60	302	DD
TFRC028	WGS84_35S	561904.2	8744965.3	1222.9	90	-60	76	RC
TFRC032	WGS84_35S	561947	8744775	1222.6	90	-60	37	RC
TFRC032A	WGS84_35S	561944.1	8744783.5	1221.9	90	-60	150	RC
TFRC046	WGS84_35S	561944.9	8744736.2	1226.3	90	-60	94	RC

TFRC054	WGS84_35S	561980	8744697	1227.0699	90	-60	110	RC
TFRC058	WGS84_35S	561989.9	8744807.8	1219.9	90	-60	150	RC
TFRC062	WGS84_35S	562064.9	8744650.6	1227.6001	90	-60	150	RC
TFRC067	WGS84_35S	562216.7	8744657.7	1229.7001	90	-60	136	RC
TFRC073	WGS84_35S	562168.4	8744616.8	1228.7001	90	-60	150	RC
TFRC076	WGS84_35S	562020.3	8744607.1	1226.6001	90	-60	91	RC
TFRC085	WGS84_35S	562141.4	8744749.6	1229.4	90	-60	141	RC
TFRC087	WGS84_35S	562319.3	8744581.9	1231	90	-60	80	RC
TFRC093	WGS84_35S	562013.6	8744564.3	1226.9	90	-60	81	RC
TFRC098	WGS84_35S	562187.2	8744801.2	1229.6001	90	-60	90	RC
TFRC100	WGS84_35S	562001.1	8744728.5	1227.1001	90	-60	106	RC
TFRC102	WGS84_35S	562166.5	8744910.9	1229	90	-60	80	RC
KPAC399	WGS84_35S	561601	8744550	1225.67	0	-90	56	AC
KPAC401	WGS84_35S	561403	8744527	1226.6899	0	-90	60	AC
KPAC405	WGS84_35S	561007	8744482	1231.04	0	-90	59	AC
KPAC412	WGS84_35S	561317	8744230	1231.64	0	-90	37	AC
KPAC418	WGS84_35S	561414	8744046	1232.1899	0	-90	75	AC
KPAC420	WGS84_35S	561218	8744040	1235.1899	0	-90	57	AC
KPAC422	WGS84_35S	561812	8744824	1225.4399	0	-90	63	AC
KPAC424	WGS84_35S	561719	8744814	1225.4399	0	-90	29	AC
KPAC435	WGS84_35S	561888	8745066	1224.25	0	-90	34	AC
KPAC437	WGS84_35S	561989	8745068	1225.61	0	-90	50	AC
KPAC440	WGS84_35S	562192	8745080	1227.79	0	-90	43	AC
KPAC442	WGS84_35S	562383	8745096	1229.17	0	-90	39	AC
KPAC448	WGS84_35S	563580	8743898	1237.75	0	-90	39	AC
KPAC452	WGS84_35S	563810	8744210	1234.67	0	-90	48	AC
KPAC455	WGS84_35S	560917	8743598	1245.1	0	-90	49	AC
KPAC464	WGS84_35S	563987	8743696	1233.48	0	-90	20	AC
KPAC466	WGS84_35S	564187	8743696	1232.26	0	-90	50	AC
KPAC469	WGS84_35S	564487	8743700	1229.6	0	-90	32	AC
KPAC470	WGS84_35S	563700	8743900	1236.5699	0	-90	37	AC
KPAC472	WGS84_35S	563900	8743900	1234.54	0	-90	46	AC
KPAC477	WGS84_35S	564400	8743904	1229.99	0	-90	47	AC
KPAC479	WGS84_35S	563899	8744094	1234.41	0	-90	50	AC
KPAC482	WGS84_35S	564200	8744094	1231.51	0	-90	41	AC
KPAC488	WGS84_35S	564200	8744300	1231.49	0	-90	60	AC
KPAC494	WGS84_35S	563800	8743526	1234.74	0	-90	50	AC
KPAC496	WGS84_35S	564000	8743526	1232.86	0	-90	37	AC
KPAC500	WGS84_35S	563550	8744290	1235.99	0	-90	44	AC
KPAC503	WGS84_35S	563850	8744292	1233.99	0	-90	50	AC
KPAC508	WGS84_35S	562310	8745285	1227.22	0	-90	47	AC
KPAC510	WGS84_35S	562503	8745286	1228.4301	0	-90	37	AC
KPAC515	WGS84_35S	563000	8745270	1229.9399	0	-90	48	AC
KPAC518	WGS84_35S	563300	8745286	1229.12	0	-90	50	AC
KPAC521	WGS84_35S	563600	8745300	1227.8101	0	-90	50	AC
KPAC524	WGS84_35S	564500	8743504	1229.9	0	-90	44	AC
KPAC527	WGS84_35S	562000	8745500	1222.15	0	-90	34	AC
KPAC529	WGS84_35S	562200	8745500	1223.9301	0	-90	33	AC
KPAC530	WGS84_35S	562300	8745500	1225.3101	0	-90	50	AC
KPAC536	WGS84_35S	562900	8745500	1227.0601	0	-90	50	AC

KPAC550	WGS84_35S	560500	8743100	1257.33	0	-90	50	AC
KPAC552	WGS84_35S	560300	8743100	1259.46	0	-90	47	AC
KPAC566	WGS84_35S	560100	8742900	1263.4	0	-90	55	AC
KPAC571	WGS84_35S	561100	8742500	1262.66	0	-90	60	AC
KPAC573	WGS84_35S	561600	8742100	1261.39	0	-90	49	AC
KPAC576	WGS84_35S	561300	8742100	1263.0601	0	-90	54	AC
KPAC582	WGS84_35S	561500	8741700	1261.86	0	-90	51	AC
KPAC587	WGS84_35S	561000	8741700	1264.58	0	-90	54	AC
KPAC589	WGS84_35S	561930	8746800	1205.35	0	-90	50	AC
KPAC590	WGS84_35S	561900	8746700	1206.48	0	-90	26	AC
KPAC596	WGS84_35S	560700	8744600	1231.98	0	-90	60	AC
KPAC599	WGS84_35S	560400	8744602	1232.7	0	-90	51	AC
KPAC603	WGS84_35S	560800	8745000	1225.58	0	-90	57	AC
KPAC609	WGS84_35S	561080	8745030	1224.01	0	-90	51	AC
KPAC610	WGS84_35S	561150	8745030	1223.72	0	-90	51	AC
TCDH029	WGS84_35S	562382.7	8743991.5	1225.9	0	-90	201.5	DD
TCDH030	WGS84_35S	562402.3	8744113.7	1197.3	270	-60	317.20001	DD
TCDH032	WGS84_35S	562271.6	8744202.6	1198	100	-60	380.5	DD
TCDH034	WGS84_35S	562323.5	8744198.7	1196.9	100	-60	334	DD
TCDH036	WGS84_35S	562323.6	8744277.8	1197.2001	100	-60	362.5	DD
TCDH041	WGS84_35S	562424.8	8744231.7	1193.1001	270	-60	605	DD
TCDH045	WGS84_35S	562374.425	8744175.503	1192.1121	270	-60	215	DD
TCDH048	WGS84_35S	562366.259	8744126.957	1189.693	265	-60	474	DD
TCDH051	WGS84_35S	562273.159	8744166.502	1189.821	265	-60	318	DD
TCDH055	WGS84_35S	562399.967	8744027.492	1212.4601	265	-60	242	DD
TCDH057	WGS84_35S	562230.033	8744069.629	1212.549	265	-60	388.5	DD
TCDH062	WGS84_35S	562067.905	8744054.34	1226.5699	265	-60	245.10001	DD
TCDH064	WGS84_35S	562184.028	8743919.838	1209.83	90	-60	202.5	DD
TCDH066	WGS84_35S	562496.661	8744091.341	1219.3	265	-60	257	DD
TCRC153	WGS84_35S	561981.5	8743909.8	1230.3	85	-60	120	RC
TCRC155	WGS84_35S	562472.4	8743973.2	1240.3	315	-60	112	RC
TCRC158	WGS84_35S	562384	8743837.9	1238.4	315	-60	150	RC
TCRC164	WGS84_35S	562197.8	8744320.9	1226.3	85	-60	150	RC
TCRC166	WGS84_35S	562188.3	8743952.6	1231.1001	45	-60	150	RC
TCRC171	WGS84_35S	562224.4	8744418.2	1226.2001	85	-60	80	RC
TCRC175	WGS84_35S	562118.6	8743905.9	1229.8	45	-60	150	RC
TCRC177	WGS84_35S	562156.4	8744358.5	1228.3	85	-60	106	RC
TCRC180	WGS84_35S	562365.3	8744479	1231.9	270	-60	150	RC
TCRC182	WGS84_35S	562112.5	8743959.5	1229.7001	90	-60	110	RC
TCRC184	WGS84_35S	562041	8744160	1228.83	90	-60	110	RC
TCRC191	WGS84_35S	562312	8743808.7	1235.4	90	-60	150	RC
TCRC195	WGS84_35S	562147.4	8743755.7	1230.4	90	-60	101	RC
TCRC196	WGS84_35S	562564.4	8744359	1236.5	270	-60	150	RC
TCRC201	WGS84_35S	561922.1	8744241.2	1226.5	90	-60	150	RC
TCRD004DT	WGS84_35S	562535.4	8744197.8	1238	265	-60	251	DD
TCRD005	WGS84_35S	562570.8	8744142	1239.5	265	-60	140	RC
TCRD006	WGS84_35S	562505.4	8744090	1238.8	265	-60	200	RC
TCRD007DT	WGS84_35S	562524.2	8744297.9	1236.4	265	-60	206.60001	DD
TCRD015	WGS84_35S	562162.1	8743965.5	1230.3	0	-90	77	RC
TCRD016DT	WGS84_35S	562196.1	8744521	1228.6	85	-60	308.10001	DD

TCRD020	WGS84_35S	562301	8744573.6	1231.33	85	-60	140	RC
TCRD021	WGS84_35S	562300.5	8744626.5	1230.6001	265	-60	258.29999	RC
TCRD025DT	WGS84_35S	562191.3	8744563.8	1229.6901	85	-60	289.79999	DD
TCRD026	WGS84_35S	562143.1	8744559.2	1229.14	85	-60	318	RC
TCRD033	WGS84_35S	562429.3	8744390.2	1232.5	265	-60	186.89999	RC
TCRD036	WGS84_35S	562113	8744073.5	1226.8	265	-60	128.5	RC
TCRD041	WGS84_35S	562291.7	8744274.1	1202.6001	280	-60	93	RC
TCRD048	WGS84_35S	562555	8744230	1261.3	270	-60	297	RD
TCRD052	WGS84_35S	562227.7	8744429.2	1225.8	270	-60	100	RD
TFDH010	WGS84_35S	561817.429	8744774.66	1225.71	85	-60	503.20001	RD
TFRC106	WGS84_35S	562135.9	8744940	1229.2001	90	-60	140	RC
TFRC109	WGS84_35S	561697.1	8744808.3	1224.6001	90	-60	132	RC
STCDH_002	WGS84_35S	562468.412	8744057.948	1165.005	272.20001	-60.200001	80	DD
STCDH_005	WGS84_35S	562396.117	8744252.87	1159.973	84.099998	-60.799999	18	DD
STCDH_009	WGS84_35S	562294.946	8744225.172	1159.839	85.800003	-59	252	DD
STCDH_013	WGS84_35S	562341.956	8744089.959	1160.3979	337.60001	-89.800003	204.45	DD
STCDH_018	WGS84_35S	562317.915	8743971.916	1157.6281	182.2	-50.200001	90	DD
STCDH_020	WGS84_35S	562278.29	8743970.829	1157.411	269.89999	-59.400002	69	DD
STCDH_025	WGS84_35S	562223.991	8743967.122	1157.343	269	-60.5	168.5	DD
STCDH_027	WGS84_35S	562106.314	8744225.866	1205.525	52.099998	-52.900002	386	DD
STCDH_033	WGS84_35S	562417.946	8744034.914	1157.4449	276.70001	-60.400002	222	DD
STCDH_036	WGS84_35S	562429.231	8744080.982	1157.385	271.20001	-62.5	250	DD
STCDH_040	WGS84_35S	562219.139	8744215.508	1182.595	87.599998	-60.599998	19.5	DD
STCDH_042	WGS84_35S	562266.315	8744304.916	1182.609	97	-79.300003	15	DD
STCDH_045	WGS84_35S	562209.994	8744163.072	1180.017	93.5	-62.299999	51.799999	DD
STCDH_051	WGS84_35S	562386.098	8744359.78	1177.62	204	-58.5	136.36	DD
STCDH_053	WGS84_35S	562314.554	8744161.67	1152.4659	273.39999	-69.900002	330	DD
STCDH_056	WGS84_35S	562294.974	8744121.597	1157.78	192.3	-59.700001	261	DD
STCDH_060	WGS84_35S	562470.262	8744290.215	1169.87	272	-60.700001	361	DD
STCDH_062	WGS84_35S	562401.343	8744340.072	1170.0959	268.20001	-60.700001	250	DD
STCDH_068	WGS84_35S	562352.14	8744454.54	1209.087	90	0	214.89999	DD
STCDH_069	WGS84_35S	562488.716	8744438.173	1207.422	273	-60	216	DD
STCDH_072	WGS84_35S	562431.964	8744418.289	1208.736	274.20001	-70.199997	171.5	DD
STCDH_074	WGS84_35S	562199.363	8744400.063	1203.663	93	-70	328	DD
STFDH_010	WGS84_35S	562007.546	8744875.885	1166.3149	94.400002	-59.900002	102.5	DD
STFDH_015	WGS84_35S	562004.77	8744907.131	1166.2469	94.099998	-61.299999	33.5	DD
STFDH_019	WGS84_35S	562184.601	8744798.837	1207.292	167.89999	-60.700001	238	DD
STFDH_024	WGS84_35S	562121.738	8744740.42	1206.558	194.5	-63.099998	210	DD
STFDH_028	WGS84_35S	562049.725	8744761.007	1185.1801	193	-70.800003	93	DD

Dataset_Name	Hole_ID	mFrom	mTo	Lith1	Lith2	Strat_code
Kinsevere phase 1	KVDH001	0	4	SOL		OVB
Kinsevere phase 1	KVDH001	4	15	SHA		SD
Kinsevere phase 1	KVDH001	15	64.800003	SHA	SHDL	SD
Kinsevere phase 1	KVDH001	64.800003	86.25	CARS		SD
Kinsevere phase 1	KVDH001	86.25	88	SHA		SD
Kinsevere phase 1	KVDH001	88	93.5	SHA		SD
Kinsevere phase 1	KVDH001	93.5	95.199997	ARG		GRAT
Kinsevere phase 1	KVDH001	95.199997	128.74001	ARG		RAT
Kinsevere phase 1	KVDH002	0	34.5	SHA		SD
Kinsevere phase 1	KVDH002	34.5	65	SHA		SD
Kinsevere phase 1	KVDH002	65	65.699997	NR		NR
Kinsevere phase 1	KVDH002	65.699997	78.400002	SHA	SLT	SD
Kinsevere phase 1	KVDH002	78.400002	81.5	CARS		SD
Kinsevere phase 1	KVDH002	81.5	92.599998	SHA	SLT	SD
Kinsevere phase 1	KVDH002	92.599998	95.400002	DLH	DLL	RSF
Kinsevere phase 1	KVDH002	95.400002	99	DLL		DSTR
Kinsevere phase 1	KVDH002	99	100.1	DLB		DSTR
Kinsevere phase 1	KVDH002	100.1	104.5	ARG		GRAT
Kinsevere phase 1	KVDH002	104.5	110	ARG		GRAT
Kinsevere phase 1	KVDH003	0	6	SPR	SOL	OVB
Kinsevere phase 1	KVDH003	6	26.6	SLT	SHA	SD
Kinsevere phase 1	KVDH003	26.6	71.309998	SHA	SLT	SD
Kinsevere phase 1	KVDH003	71.309998	88.699997	CARS		SD
Kinsevere phase 1	KVDH003	88.699997	92.699997	CARS		SD
Kinsevere phase 1	KVDH003	92.699997	94.800003	SLT		SD
Kinsevere phase 1	KVDH003	94.800003	96.800003	NR		NR
Kinsevere phase 1	KVDH003	96.800003	104	SLT	DLH	SD
Kinsevere phase 1	KVDH003	104	105	DLH	SHDL	RSF
Kinsevere phase 1	KVDH003	105	109	DLB		DSTR
Kinsevere phase 1	KVDH003	109	112.5	ARG		GRAT
Kinsevere phase 1	KVDH003	112.5	129.60001	ARG		RAT
Kinsevere phase 1	KVDH004	0	35.299999	SHA	SLT	SD
Kinsevere phase 1	KVDH004	35.299999	65.849998	SHA		SD
Kinsevere phase 1	KVDH004	65.849998	73.699997	SHA		SD
Kinsevere phase 1	KVDH004	73.699997	77	SHC		SD
Kinsevere phase 1	KVDH004	77	126.75	SHC	CARS	SD
Kinsevere phase 1	KVDH004	126.75	135.60001	SHC		SD
Kinsevere phase 1	KVRC001	0	11	UNK		
Kinsevere phase 1	KVRC001	11	23	UNK		
Kinsevere phase 1	KVRC001	23	29	UNK		
Kinsevere phase 1	KVRC001	29	57	UNK		
Kinsevere phase 1	KVRC002	0	27	UNK		
Kinsevere phase 1	KVRC002	27	39	UNK		
Kinsevere phase 1	KVRC002	39	52	UNK		
Kinsevere phase 1	KVRC002	52	72	UNK		
Kinsevere phase 1	KVRC003	0	19	UNK		
Kinsevere phase 1	KVRC003	19	24	UNK		
Kinsevere phase 1	KVRC003	48	72	UNK		
Kinsevere phase 1	KVRC004	0	49	UNK		
Kinsevere phase 1	KVRC004	49	52	UNK		
Kinsevere phase 1	KVRC004	52	72	UNK		
Kinsevere phase 1	KVRC005	0	4	UNK		
Kinsevere phase 1	KVRC005	4	11	UNK		
Kinsevere phase 1	KVRC005	13	14	UNK		
Kinsevere phase 1	KVRC005	15	17	UNK		
Kinsevere phase 1	KVRC005	23	28	UNK		
Kinsevere phase 1	KVRC005	29	30	UNK		
Kinsevere phase 1	KVRC006	0	50	UNK		
Kinsevere phase 1	KVRC007	0	50	UNK		
Kinsevere phase 1	KVRC008	0	6	UNK		
Kinsevere phase 1	KVRC009	0	4	UNK		
Kinsevere phase 1	KVRC009	4	48	UNK		

Kinsevere phase 1	KVRC009	48	54	UNK	
Kinsevere phase 1	KVRC009	54	61	UNK	
Kinsevere phase 1	KVRC009	61	64	UNK	
Kinsevere phase 1	KVRC009	64	67	UNK	
Kinsevere phase 1	KVRC009	67	79	UNK	
Kinsevere phase 1	KVRC009	79	87	UNK	
Kinsevere phase 1	KVRC010	0	2	UNK	
Kinsevere phase 1	KVRC010	2	5	UNK	
Kinsevere phase 1	KVRC010	5	9	UNK	
Kinsevere phase 1	KVRC010	9	13	UNK	
Kinsevere phase 1	KVRC010	13	19	UNK	
Kinsevere phase 1	KVRC010	19	22	UNK	
Kinsevere phase 1	KVRC010	22	23	UNK	
Kinsevere phase 1	KVRC010	23	27	UNK	
Kinsevere phase 1	KVRC010	27	35	UNK	
Kinsevere phase 1	KVRC010	35	41	UNK	
Kinsevere phase 1	KVRC010	42	65	UNK	
Kinsevere phase 1	KVRC011	0	50	UNK	
Kinsevere phase 1	KVRC012	0	9	UNK	
Kinsevere phase 1	KVRC012	9	52	UNK	
Kinsevere phase 1	KVRC013	0	31	UNK	
Kinsevere phase 1	KVRC013	31	65	UNK	
Kinsevere phase 1	KVRC013	65	97	UNK	
Kinsevere phase 1	KVRC014	0	1	UNK	
Kinsevere phase 1	KVRC014	1	11	UNK	
Kinsevere phase 1	KVRC014	11	37	UNK	
Kinsevere phase 1	KVRC015	0	11	UNK	
Kinsevere phase 1	KVRC015	11	54	UNK	
Kinsevere phase 1	KVRC015	54	61	UNK	
Kinsevere phase 1	KVRC015	87	90	UNK	
Kinsevere phase 1	KVRC015	106	108	UNK	
Kinsevere phase 1	KVRC016	0	32	UNK	
Kinsevere phase 1	KVRC016	32	40	UNK	
Kinsevere phase 1	KVRC016	40	63	UNK	
Kinsevere phase 1	KVRC016	63	77	UNK	
Kinsevere phase 1	KVRC017	0	31	UNK	
Kinsevere phase 1	KVRC017	31	33	UNK	
Kinsevere phase 1	KVRC017	35	51	UNK	
Kinsevere phase 1	KVRC017	51	65	UNK	
Kinsevere phase 1	KVRC017	65	78	UNK	
Kinsevere phase 1	KVRC017	78	80	UNK	
Kinsevere phase 1	KVRC017	80	86	UNK	
Kinsevere phase 1	KVRC017	86	92	UNK	
Kinsevere phase 1	KVTR001	0	15	UNK	BRC
Kinsevere phase 1	KVTR001	15	25	UNK	RAT
Kinsevere phase 1	KVTR001	25	47	UNK	DSTR
Kinsevere phase 1	KVTR001	47	61	UNK	RSF
Kinsevere phase 1	KVTR001	61	70	UNK	SD
Kinsevere phase 1	KVTR001	70	120	UNK	CMN
Kinsevere phase 1	KVTR001	120	160	UNK	CMN
Kinsevere phase 1	KVTR002	0	6	UNK	DSTR
Kinsevere phase 1	KVTR002	6	11	UNK	RSF
Kinsevere phase 1	KVTR002	11	33	UNK	SD
Kinsevere phase 1	KVTR002	33	61	UNK	RAT
Kinsevere phase 1	KVTR002	61	79	UNK	RAT
Kinsevere phase 1	KVTR003	0	18	UNK	BRC
Kinsevere phase 1	KVTR003	18	22	UNK	RAT
Kinsevere phase 1	KVTR003	22	25	UNK	BRC
Kinsevere phase 1	KVTR003	25	28	UNK	RAT
Kinsevere phase 1	KVTR003	28	62	UNK	DSTR
Kinsevere phase 1	KVTR003	62	66	UNK	RSF
Kinsevere phase 1	KVTR003	66	74	UNK	SD
Kinsevere phase 1	KVTR003	74	108	UNK	CMN

Kinsevere phase 1	KVTR003	108	136	UNK		CMN
Kinsevere phase 1	KVTR004	0	15	UNK		BRC
Kinsevere phase 1	KVTR004	15	35	UNK		RAT
Kinsevere phase 1	KVTR004	35	71	UNK		RSF
Kinsevere phase 1	KVTR004	71	75	UNK		SD
Kinsevere phase 1	KVTR004	75	79	UNK		SD
Kinsevere phase 1	KVTR005	0	52	UNK		BRC
Kinsevere phase 1	KVTR005	52	60	UNK		RAT
Kinsevere phase 1	KVTR005	60	108	UNK		RAT
Kinsevere phase 1	TCDH001	0	2.5	SOL		OVB
Kinsevere phase 1	TCDH001	2.5	8	SPR		RRAT
Kinsevere phase 1	TCDH001	8	18.5	DARG	ARG	RRAT
Kinsevere phase 1	TCDH001	18.5	28	ARG		GRAT
Kinsevere phase 1	TCDH001	28	29.299999	ARG		GRAT
Kinsevere phase 1	TCDH001	29.299999	37	DLB		DSTR
Kinsevere phase 1	TCDH001	37	43	DLB	DLS	DSTR
Kinsevere phase 1	TCDH001	43	45.400002	DLB		RSF
Kinsevere phase 1	TCDH001	45.400002	57.900002	SHDL		SD
Kinsevere phase 1	TCDH001	57.900002	71	SHC	DLC	SD
Kinsevere phase 1	TCDH001	71	84.599998	SHDL		SD
Kinsevere phase 1	TCDH001	84.599998	87.400002	MX		SD
Kinsevere phase 1	TCDH001	87.400002	103.85	SHDL		SD
Kinsevere phase 1	TCDH001	103.85	112	SHC		SD
Kinsevere phase 1	TCDH001	112	160	SHC	CARS	SD
Kinsevere phase 1	TCDH001	160	177.25	SHC	DLC	CMN
Kinsevere phase 1	TCDH001	177.25	208.85001	DLM	SHA	CMN
Kinsevere phase 1	TCDH001	208.85001	242	DLB	SHC	CMN
Kinsevere phase 1	TCDH001	242	299.89999	DLB		CMN
Kinsevere phase 1	TCDH001	299.89999	301.60001	QZ	DBX	FZ
Kinsevere phase 1	TCDH001	301.60001	304.75	SHDL	SHC	CMN
Kinsevere phase 1	TCDH001	304.75	310	SHDL	DLH	CMN
Kinsevere phase 1	TCDH001	310	320.10001	CARS	SHC	CMN
Kinsevere phase 1	TCDH001	320.10001	332	DLM		CMN
Kinsevere phase 1	TCDH001	332	350.5	SHC	DLB	CMN
Kinsevere phase 1	TCDH001	350.5	364.79999	DLM	SHC	CMN
Kinsevere phase 1	TCDH001	364.79999	369	SHC		CMN
Kinsevere phase 1	TCDH001	369	373.29999	SHDL		CMN
Kinsevere phase 1	TCDH001	373.29999	385	MX	QZ	FZ
Kinsevere phase 1	TCDH001	385	389	HBX		RATB
Kinsevere phase 1	TCDH002	0	4	SOL	SP	OVB
Kinsevere phase 1	TCDH002	4	89.300003	ARG		RRAT
Kinsevere phase 1	TCDH002	89.300003	100.8	DARG		RATB
Kinsevere phase 1	TCDH002	100.8	107.1	ARG		RAT
Kinsevere phase 1	TCDH002	107.1	140.3	RATB	BARG	RATB
Kinsevere phase 1	TCDH003	0	5.5	SOL		OVB
Kinsevere phase 1	TCDH003	5.5	9.1999998	SPR	ARG	RAT
Kinsevere phase 1	TCDH003	9.1999998	13	BARG		FZ
Kinsevere phase 1	TCDH003	13	17	ARG		RAT
Kinsevere phase 1	TCDH003	17	21.799999	DARG		RAT
Kinsevere phase 1	TCDH003	21.799999	35.799999	ARG		RAT
Kinsevere phase 1	TCDH003	35.799999	44.799999	DARG	DLB	RAT
Kinsevere phase 1	TCDH003	44.799999	97	ARG	DARG	RAT
Kinsevere phase 1	TCDH003	97	129.39999	ARG	SLT	RAT
Kinsevere phase 1	TCDH003	129.39999	131.3	FIL		FZ
Kinsevere phase 1	TCDH003	131.3	135.8	ARG		UNK
Kinsevere phase 1	TCDH003	135.8	136.2	DLB	MX	FZ
Kinsevere phase 1	TCDH003	136.2	140.3	DLB		CMN
Kinsevere phase 1	TCDH004	0	5.3000002	SOL	SP	OVB
Kinsevere phase 1	TCDH004	5.3000002	11	BARG	SPR	RATB
Kinsevere phase 1	TCDH004	11	38	ARG		RRAT
Kinsevere phase 1	TCDH004	38	50.200001	ARG		GRAT
Kinsevere phase 1	TCDH004	50.200001	52.5	ARG		GRAT
Kinsevere phase 1	TCDH004	52.5	59.799999	DLB		DSTR

Kinsevere phase 1	TCDH004	59.799999	63.5	BARG		FZ
Kinsevere phase 1	TCDH004	63.5	89.699997	RATB	ARG	RATB
Kinsevere phase 1	TCDH005	0	5	SOL		SD
Kinsevere phase 1	TCDH005	5	156	SHA		CMN
Kinsevere phase 1	TCDH005	156	198.3	CBL		CMN
Kinsevere phase 1	TCRC001	0	1	UNK		
Kinsevere phase 1	TCRC001	1	52	UNK		
Kinsevere phase 1	TCRC002	0	18	UNK		
Kinsevere phase 1	TCRC002	18	19	UNK		
Kinsevere phase 1	TCRC002	19	23	UNK		
Kinsevere phase 1	TCRC002	23	32	UNK		
Kinsevere phase 1	TCRC002	32	38	UNK		
Kinsevere phase 1	TCRC002	38	39	UNK		
Kinsevere phase 1	TCRC002	39	41	UNK		
Kinsevere phase 1	TCRC002	41	42	UNK		
Kinsevere phase 1	TCRC002	42	49	UNK		
Kinsevere phase 1	TCRC002	49	51	UNK		
Kinsevere phase 1	TCRC002	51	52	UNK		
Kinsevere phase 1	TCRC002	52	53	UNK		
Kinsevere phase 1	TCRC002	53	67	UNK		
Kinsevere phase 1	TCRC003	0	2	UNK		
Kinsevere phase 1	TCRC003	2	5	UNK		
Kinsevere phase 1	TCRC003	5	11	UNK		
Kinsevere phase 1	TCRC003	11	57	UNK		
Kinsevere phase 1	TCRC003	57	103	UNK		
Kinsevere phase 1	TCRC003	103	110	UNK		
Kinsevere phase 1	TCRC004	9	12	UNK		
Kinsevere phase 1	TCRC004	12	23	UNK		
Kinsevere phase 1	TCRC004	23	25	UNK		
Kinsevere phase 1	TCRC004	25	26	UNK		
Kinsevere phase 1	TCRC004	26	53	UNK		
Kinsevere phase 1	TCRC004	53	72	UNK		
Kinsevere phase 1	TCRC005	0	1	UNK		
Kinsevere phase 1	TCRC005	1	45	UNK		
Kinsevere phase 1	TCRC005	45	61	UNK		
Kinsevere phase 1	TCRC005	61	87	UNK		
Kinsevere phase 1	TCRC006	3	37	UNK		
Kinsevere phase 1	TCRC006	37	42	UNK		
Kinsevere phase 1	TCRC006	42	43	UNK		
Kinsevere phase 1	TCRC006	43	52	UNK		
Kinsevere phase 1	TCRC006	52	58	UNK		
Kinsevere phase 1	TCRC006	58	62	UNK		
Kinsevere phase 1	TCRC006	62	72	UNK		
Kinsevere phase 1	TCRC007	1	29	UNK		
Kinsevere phase 1	TCRC007	29	35	UNK		
Kinsevere phase 1	TCRC007	35	47	UNK		
Kinsevere phase 1	TCRC007	47	56	UNK		
Kinsevere phase 1	TCRC007	56	80	UNK		
Kinsevere phase 1	TCRC008	0	1	UNK		
Kinsevere phase 1	TCRC008	1	54	UNK		
Kinsevere phase 1	TCRC008	54	59	UNK		
Kinsevere phase 1	TCRC008	59	62	UNK		
Kinsevere phase 1	TCRC008	62	67	UNK		
Kinsevere phase 1	TCRC009	0	2	UNK		
Kinsevere phase 1	TCRC009	8	52	UNK		
Kinsevere phase 1	TCRC009	52	62	UNK		
Kinsevere phase 1	TCRC010	0	1	UNK		
Kinsevere phase 1	TCRC010	1	3	UNK		
Kinsevere phase 1	TCRC010	3	30	UNK		
Kinsevere phase 1	TCRC010	30	37	UNK		
Kinsevere phase 1	TCRC010	37	45	UNK		
Kinsevere phase 1	TCRC010	45	54	UNK		
Kinsevere phase 1	TCRC010	54	67	UNK		

Kinsevere phase 1	TCRC011	0	1	UNK
Kinsevere phase 1	TCRC011	1	25	UNK
Kinsevere phase 1	TCRC011	25	31	UNK
Kinsevere phase 1	TCRC011	31	37	UNK
Kinsevere phase 1	TCRC011	37	40	UNK
Kinsevere phase 1	TCRC011	40	43	UNK
Kinsevere phase 1	TCRC011	43	52	UNK
Kinsevere phase 1	TCRC011	52	57	UNK
Kinsevere phase 1	TCRC012	3	47	UNK
Kinsevere phase 1	TCRC012	47	75	UNK
Kinsevere phase 1	TCRC013	0	1	UNK
Kinsevere phase 1	TCRC013	4	43	UNK
Kinsevere phase 1	TCRC013	43	57	UNK
Kinsevere phase 1	TCRC013	57	60	UNK
Kinsevere phase 1	TCRC013	60	61	UNK
Kinsevere phase 1	TCRC014	0	1	UNK
Kinsevere phase 1	TCRC014	1	3	UNK
Kinsevere phase 1	TCRC014	3	6	UNK
Kinsevere phase 1	TCRC014	6	16	UNK
Kinsevere phase 1	TCRC014	16	19	UNK
Kinsevere phase 1	TCRC014	19	35	UNK
Kinsevere phase 1	TCRC014	35	57	UNK
Kinsevere phase 1	TCRC015	0	50	UNK
Kinsevere phase 1	TCRC016	1	35	UNK
Kinsevere phase 1	TCRC016	35	39	UNK
Kinsevere phase 1	TCRC016	39	52	UNK
Kinsevere phase 1	TCRC017	0	50	UNK
Kinsevere phase 1	TCRC018	0	35	UNK
Kinsevere phase 1	TCRC018	35	39	UNK
Kinsevere phase 1	TCRC018	39	47	UNK
Kinsevere phase 1	TCRC018	47	48	UNK
Kinsevere phase 1	TCRC018	48	49	UNK
Kinsevere phase 1	TCRC018	49	50	UNK
Kinsevere phase 1	TCRC018	50	51	UNK
Kinsevere phase 1	TCRC018	51	53	UNK
Kinsevere phase 1	TCRC018	53	54	UNK
Kinsevere phase 1	TCRC018	54	57	UNK
Kinsevere phase 1	TCRC019	0	36	UNK
Kinsevere phase 1	TCRC019	36	37	UNK
Kinsevere phase 1	TCRC019	37	38	UNK
Kinsevere phase 1	TCRC019	38	42	UNK
Kinsevere phase 1	TCRC019	42	50	UNK
Kinsevere phase 1	TCRC020	0	50	UNK
Kinsevere phase 1	TCRC021	6	28	UNK
Kinsevere phase 1	TCRC021	28	60	UNK
Kinsevere phase 1	TCRC021	60	72	UNK
Kinsevere phase 1	TCRC022	0	5	UNK
Kinsevere phase 1	TCRC022	5	15	UNK
Kinsevere phase 1	TCRC022	15	19	UNK
Kinsevere phase 1	TCRC022	19	36	UNK
Kinsevere phase 1	TCRC022	36	52	UNK
Kinsevere phase 1	TCRC023	0	4	UNK
Kinsevere phase 1	TCRC023	4	40	UNK
Kinsevere phase 1	TCRC023	40	51	UNK
Kinsevere phase 1	TCRC023	51	60	UNK
Kinsevere phase 1	TCRC024	0	3	UNK
Kinsevere phase 1	TCRC024	3	5	UNK
Kinsevere phase 1	TCRC024	5	55	UNK
Kinsevere phase 1	TCRC024	55	80	UNK
Kinsevere phase 1	TCRC024	80	82	UNK
Kinsevere phase 1	TCRC025	0	21	UNK
Kinsevere phase 1	TCRC025	21	29	UNK
Kinsevere phase 1	TCRC025	29	35	UNK

Kinsevere phase 1	TCRC025	35	50	UNK
Kinsevere phase 1	TCRC025	50	66	UNK
Kinsevere phase 1	TCRC026	0	7	UNK
Kinsevere phase 1	TCRC026	7	13	UNK
Kinsevere phase 1	TCRC026	13	23	UNK
Kinsevere phase 1	TCRC026	23	46	UNK
Kinsevere phase 1	TCRC026	46	57	UNK
Kinsevere phase 1	TCRC027	0	28	UNK
Kinsevere phase 1	TCRC027	28	30	UNK
Kinsevere phase 1	TCRC027	32	33	UNK
Kinsevere phase 1	TCRC027	43	51	UNK
Kinsevere phase 1	TCRC027	51	56	UNK
Kinsevere phase 1	TCRC027	56	65	UNK
Kinsevere phase 1	TCRC027	65	74	UNK
Kinsevere phase 1	TCRC027	74	78	UNK
Kinsevere phase 1	TCRC027	78	81	UNK
Kinsevere phase 1	TCRC027	81	83	UNK
Kinsevere phase 1	TCRC027	83	85	UNK
Kinsevere phase 1	TCRC027	85	90	UNK
Kinsevere phase 1	TCRC027	98	99	UNK
Kinsevere phase 1	TCRC028	1	102	UNK
Kinsevere phase 1	TCRC029	1	2	UNK
Kinsevere phase 1	TCRC029	4	20	UNK
Kinsevere phase 1	TCRC029	52	56	UNK
Kinsevere phase 1	TCRC029	56	64	UNK
Kinsevere phase 1	TCRC029	64	67	UNK
Kinsevere phase 1	TCRC029	67	78	UNK
Kinsevere phase 1	TCRC029	81	84	UNK
Kinsevere phase 1	TCRC029	84	85	UNK
Kinsevere phase 1	TCRC029	92	93	UNK
Kinsevere phase 1	TCRC029	94	97	UNK
Kinsevere phase 1	TCRC029	97	101	UNK
Kinsevere phase 1	TCRC029	101	110	UNK
Kinsevere phase 1	TCRC030	0	9	UNK
Kinsevere phase 1	TCRC030	9	13	UNK
Kinsevere phase 1	TCRC030	13	47	UNK
Kinsevere phase 1	TCRC030	47	64	UNK
Kinsevere phase 1	TCRC030	64	82	UNK
Kinsevere phase 1	TCRC031	4	5	UNK
Kinsevere phase 1	TCRC031	5	33	UNK
Kinsevere phase 1	TCRC031	33	39	UNK
Kinsevere phase 1	TCRC031	49	59	UNK
Kinsevere phase 1	TCRC031	59	65	UNK
Kinsevere phase 1	TCRC031	65	67	UNK
Kinsevere phase 1	TCRC032	0	7	UNK
Kinsevere phase 1	TCRC032	7	39	UNK
Kinsevere phase 1	TCRC032	39	56	UNK
Kinsevere phase 1	TCRC033	0	6	UNK
Kinsevere phase 1	TCRC033	6	34	UNK
Kinsevere phase 1	TCRC033	34	45	UNK
Kinsevere phase 1	TCRC033	45	52	UNK
Kinsevere phase 1	TCRC034	0	2	UNK
Kinsevere phase 1	TCRC034	2	23	UNK
Kinsevere phase 1	TCRC034	23	25	UNK
Kinsevere phase 1	TCRC034	34	36	UNK
Kinsevere phase 1	TCRC034	40	72	UNK
Kinsevere phase 1	TCRC034	74	80	UNK
Kinsevere phase 1	TCRC034	80	82	UNK
Kinsevere phase 1	TCRC035	1	67	UNK
Kinsevere phase 1	TCRC035	67	105	UNK
Kinsevere phase 1	TCRC036	0	2	UNK
Kinsevere phase 1	TCRC036	11	50	UNK
Kinsevere phase 1	TCRC036	50	87	UNK

Kinsevere phase 1	TCRC036	87	89	UNK		
Kinsevere phase 1	TCRC036	89	103	UNK		
Kinsevere phase 1	TCRC036	103	107	UNK		
Kinsevere phase 1	TCRC037	11	95	UNK		
Kinsevere phase 1	TCRC037	95	96	UNK		
Kinsevere phase 1	TCRC037	96	100	UNK		
Kinsevere phase 1	TCRC037	100	102	UNK		
Kinsevere phase 1	TCRC037	102	110	UNK		
Kinsevere phase 1	TCRC038	11	42	UNK		
Kinsevere phase 1	TCRC038	42	45	UNK		
Kinsevere phase 1	TCRC038	49	57	UNK		
Kinsevere phase 1	TCRC039	7	43	UNK		
Kinsevere phase 1	TCRC039	43	73	UNK		
Kinsevere phase 1	TCTR001	0	3	UNK		SD
Kinsevere phase 1	TCTR001	3	13	UNK		SD
Kinsevere phase 1	TCTR002	0	4	UNK		DSTR
Kinsevere phase 1	TCTR002	4	7	UNK		RSF
Kinsevere phase 1	TCTR002	7	8	UNK		RSF
Kinsevere phase 1	TCTR003	0	7	UNK		SD
Kinsevere phase 1	TCTR004	0	6	UNK		SD
Kinsevere phase 1	TCTR005	0	18	UNK		
Kinsevere phase 1	TCTR005	18	40	UNK		
Kinsevere phase 1	TCTR005	40	62	UNK		
Kinsevere phase 1	TCTR005	62	64	UNK		
Kinsevere phase 1	TCTR005	64	70	UNK		
Kinsevere phase 1	TCTR006	0	14	UNK		
Kinsevere phase 1	TCTR006	14	26	UNK		
Kinsevere phase 1	TCTR006	26	42	UNK		
Kinsevere phase 1	TCTR007	0	52	UNK		
Kinsevere phase 1	TCTR008	0	20	UNK		
Kinsevere phase 1	TCTR008	20	42	UNK		
Kinsevere phase 1	TCTR008	42	47	UNK		
Kinsevere phase 1	TCTR009	0	19	UNK		
Kinsevere phase 1	TCTR009	19	31	UNK		
Kinsevere phase 1	TFDH001	0	0.40000001	SOL		OVB
Kinsevere phase 1	TFDH001	0.40000001	24.5	DLM	SHDL	CMN
Kinsevere phase 1	TFDH001	24.5	29	MX		FZ
Kinsevere phase 1	TFDH001	29	77	SHA	SLT	SD
Kinsevere phase 1	TFDH001	77	93	SHDL	SHA	SD
Kinsevere phase 1	TFDH001	93	96.300003	SHC		SD
Kinsevere phase 1	TFDH001	96.300003	101.1	SHA	SLT	SD
Kinsevere phase 1	TFDH001	101.1	106.8	DLH	DLM	SD
Kinsevere phase 1	TFDH001	106.8	126.1	SHA		SD
Kinsevere phase 1	TFDH001	126.1	130.5	SHC		SD
Kinsevere phase 1	TFDH001	130.5	161.8	SHC		SD
Kinsevere phase 1	TFDH002	0	2	SOL		OVB
Kinsevere phase 1	TFDH002	2	17.4	SHA	SLT	SD
Kinsevere phase 1	TFDH002	17.4	22	SHDL	SHA	SD
Kinsevere phase 1	TFDH002	22	35.099998	SHA	SHDL	SD
Kinsevere phase 1	TFDH002	35.099998	38.599998	SLT	SHC	SD
Kinsevere phase 1	TFDH002	38.599998	41.099998	SHC		SD
Kinsevere phase 1	TFDH002	41.099998	68	SHC	CARS	SD
Kinsevere phase 1	TFDH002	68	70	SHA		SD
Kinsevere phase 1	TFDH002	70	72.400002	SHC		SD
Kinsevere phase 1	TFDH002	72.400002	79	SHC		SD
Kinsevere phase 1	TFDH002	79	101	SHA		SD
Kinsevere phase 1	TFDH002	101	103.7	SHC		SD
Kinsevere phase 1	TFDH002	103.7	107.54	SHA		SD
Kinsevere phase 1	TFDH002	107.54	112	SHC		SD
Kinsevere phase 1	TFDH002	112	117.4	SHC		SD
Kinsevere phase 1	TFDH002	117.4	119.1	SHC		SD
Kinsevere phase 1	TFDH002	119.1	129.92999	RATB		FZ
Kinsevere phase 1	TFDH002	129.92999	138	DLH		CMN

Kinsevere phase 1	TFDH002	138	159.69	DLH	DLC	CMN
Kinsevere phase 1	TFDH003	0	35.799999	SHA		SD
Kinsevere phase 1	TFDH003	35.799999	77.199997	SHDL		SD
Kinsevere phase 1	TFDH003	77.199997	84.199997	SHDL		SD
Kinsevere phase 1	TFDH003	84.199997	106.64	SHC		SD
Kinsevere phase 1	TFDH003	106.64	137.10001	HBX		FZ
Kinsevere phase 1	TFRC001	0	1	UNK		
Kinsevere phase 1	TFRC001	1	2	UNK		
Kinsevere phase 1	TFRC001	2	20	UNK		
Kinsevere phase 1	TFRC001	20	25	UNK		
Kinsevere phase 1	TFRC001	25	30	UNK		
Kinsevere phase 1	TFRC001	30	50	UNK		
Kinsevere phase 1	TFRC002	0	51	UNK		
Kinsevere phase 1	TFRC002	51	54	UNK		
Kinsevere phase 1	TFRC002	54	67	UNK		
Kinsevere phase 1	TFRC003	0	50	UNK		
Kinsevere phase 1	TFRC004	0	14	UNK		
Kinsevere phase 1	TFRC004	14	48	UNK		
Kinsevere phase 1	TFRC004	48	58	UNK		
Kinsevere phase 1	TFRC005	0	57	UNK		
Kinsevere phase 1	TFRC006	0	20	UNK		
Kinsevere phase 1	TFRC006	20	37	UNK		
Kinsevere phase 1	TFRC006	37	50	UNK		
Kinsevere phase 1	TFRC007	0	22	UNK		
Kinsevere phase 1	TFRC007	22	52	UNK		
Kinsevere phase 1	TFRC008	0	23	UNK		
Kinsevere phase 1	TFRC008	23	34	UNK		
Kinsevere phase 1	TFRC008	34	71	UNK		
Kinsevere phase 1	TFRC008	71	72	UNK		
Kinsevere phase 1	TFRC009	0	44	UNK		
Kinsevere phase 1	TFRC009	44	60	UNK		
Kinsevere phase 1	TFRC010	0	42	UNK		
Kinsevere phase 1	TFRC011	0	8	UNK		
Kinsevere phase 1	TFRC011	8	50	UNK		
Kinsevere phase 1	TFRC012	8	16	UNK		
Kinsevere phase 1	TFRC012	16	50	UNK		
Kinsevere phase 1	TFRC013	2	10	UNK		
Kinsevere phase 1	TFRC013	10	43	UNK		
Kinsevere phase 1	TFRC013	43	57	UNK		
Kinsevere phase 1	TFRC014	5	50	UNK		
Kinsevere phase 1	TFRC015	0	10	UNK		
Kinsevere phase 1	TFRC015	10	15	UNK		
Kinsevere phase 1	TFRC015	15	24	UNK		
Kinsevere phase 1	TFRC015	24	37	UNK		
Kinsevere phase 1	TFRC016	0	45	UNK		
Kinsevere phase 1	TFRC016	45	52	UNK		
Kinsevere phase 1	TFRC016	52	53	UNK		
Kinsevere phase 1	TFRC017	3	17	UNK		
Kinsevere phase 1	TFRC017	17	34	UNK		
Kinsevere phase 1	TFRC017	34	43	UNK		
Kinsevere phase 1	TFRC017	43	50	UNK		
Kinsevere phase 1	TFRC018	0	2	UNK		
Kinsevere phase 1	TFRC018	2	22	UNK		
Kinsevere phase 1	TFRC018	22	24	UNK		
Kinsevere phase 1	TFRC018	24	40	UNK		
Kinsevere phase 1	TFRC018	40	44	UNK		
Kinsevere phase 1	TFRC018	44	57	UNK		
Kinsevere phase 1	TFRC019	0	34	UNK		
Kinsevere phase 1	TFRC019	34	42	UNK		
Kinsevere phase 1	TFRC020	0	50	UNK		
Kinsevere phase 1	TFRC021	0	40	UNK		
Kinsevere phase 1	TFRC021	40	42	UNK		
Kinsevere phase 1	TFRC021	42	43	UNK		

Kinsevere phase 1	TFRC021	43	96	UNK		
Kinsevere phase 1	TFRC021	96	97	UNK		
Kinsevere phase 1	TFRC022	0	35	UNK		
Kinsevere phase 1	TFRC022	35	37	UNK		
Kinsevere phase 1	TFRC022	37	41	UNK		
Kinsevere phase 1	TFRC022	41	61	UNK		
Kinsevere phase 1	TFRC022	61	83	UNK		
Kinsevere phase 1	TFRC023	0	7	UNK		
Kinsevere phase 1	TFRC023	7	79	UNK		
Kinsevere phase 1	TFRC024	1	15	UNK		
Kinsevere phase 1	TFRC024	15	75	UNK		
Kinsevere phase 1	TFRC024	75	77	UNK		
Kinsevere phase 1	TFRC025	0	45	UNK		
Kinsevere phase 1	TFRC025	45	47	UNK		
Kinsevere phase 1	TFRC025	47	49	UNK		
Kinsevere phase 1	TFRC025	49	75	UNK		
Kinsevere phase 1	TFTR001	0	14	UNK		RAT
Kinsevere phase 1	TFTR001	14	18	UNK		BRC
Kinsevere phase 1	TFTR001	18	32	UNK		RAT
Kinsevere phase 1	TFTR001	32	38	UNK		RAT
Kinsevere phase 1	TFTR002	0	7	UNK		RSF
Kinsevere phase 1	TFTR002	7	8.6000004	UNK		BRC
Kinsevere phase 1	TFTR002	8.6000004	11	UNK		RSF
Kinsevere phase 1	TFTR002	11	12	UNK		BRC
Kinsevere phase 1	TFTR002	12	15	UNK		CMN
Kinsevere phase 1	TFTR002	15	34	UNK		CMN
Kinsevere phase 1	TFTR003	0	10	UNK		SD
Kinsevere phase 1	TFTR003	10	32	UNK		SD
Kinsevere phase 1	TFTR004	0	20	UNK		DSTR
Kinsevere phase 1	TFTR004	20	26.799999	UNK		SD
Kinsevere phase 1	TFTR004	26.799999	75	UNK		RAT
Kinsevere phase 1	TFTR004	75	81	UNK		RAT
Kinsevere phase 1	TFTR005	0	1.8	UNK		RSF
Kinsevere phase 1	TFTR005	1.8	2.2	UNK		SD
Kinsevere phase 1	TFTR005	2.2	41	UNK		BRC
Kinsevere phase 1	TFTR005	41	48	UNK		RAT
Kinsevere phase 1	TFTR005	48	56	UNK		BRC
Kinsevere phase 1	TFTR005	56	60	UNK		RAT
Kinsevere phase 1	TFTR005	60	78	UNK		RAT
Kinsevere phase 1	TFTR006	0	6.4000001	UNK		DSTR
Kinsevere phase 1	TFTR006	6.4000001	17.299999	UNK		BRC
Kinsevere phase 1	TFTR006	17.299999	18.6	UNK		SD
Kinsevere phase 1	TFTR006	18.6	34.599998	UNK		RAT
Kinsevere phase 1	TFTR006	34.599998	44	UNK		SD
Kinsevere phase 1	TFTR006	44	53	UNK		BRC
Kinsevere phase 1	TFTR006	53	62	UNK		BRC
Kinsevere phase 1	TFTR007	0	44	UNK		
Kinsevere phase 1	TSDH001	0	3.5	SOL		OVB
Kinsevere phase 1	TSDH001	3.5	67	ARG		RAT
Kinsevere phase 1	TSDH001	67	90	ARG		RAT
Kinsevere phase 1	TSDH001	90	96.900002	SHA		SD
Kinsevere phase 1	TSDH001	96.900002	98	NR		NR
Kinsevere phase 1	TSDH001	98	104.7	SHDL	SHA	SD
Kinsevere phase 1	TSDH001	104.7	106.5	SHC		SD
Kinsevere phase 1	TSDH001	106.5	118	SHA	SHDL	SD
Kinsevere phase 1	TSDH001	118	119.5	MX	FZ	FZ
Kinsevere phase 1	TSDH001	119.5	122	SHA	ARG	SD
Kinsevere phase 1	TSDH001	122	123	BARG		FZ
Kinsevere phase 1	TSDH001	123	124.5	SHC		SD
Kinsevere phase 1	TSDH001	124.5	125	HBX		FZ
Kinsevere phase 1	TSDH001	125	128	NR		NR
Kinsevere phase 1	TSDH001	128	130.89999	HBX		FZ
Kinsevere phase 1	TSDH001	130.89999	133.2	DLB		CMN

Kinsevere phase 1	TSDH001	133.2	138.03999	RATB		RATB
Kinsevere phase 1	TSDH002	0	32.099998	RATB		RATB
Kinsevere phase 1	TSDH002	32.099998	34.799999	DLB	MX	DSTR
Kinsevere phase 1	TSDH002	34.799999	64.900002	RATB		RATB
Kinsevere phase 1	TSRC001	0	30	UNK		
Kinsevere phase 1	TSRC002	0	36	UNK		
Kinsevere phase 1	TSRC002	36	54	UNK		
Kinsevere phase 1	TSRC002	54	63	UNK		
Kinsevere phase 1	TSRC002	63	72	UNK		
Kinsevere phase 1	TSRC003	0	72	UNK		
Kinsevere phase 1	TSRC004	0	26	UNK		
Kinsevere phase 1	TSRC004	30	53	UNK		
Kinsevere phase 1	TSRC004	57	58	UNK		
Kinsevere phase 1	TSRC004	60	67	UNK		
Kinsevere phase 1	TSTR001	0	8	UNK		DSTR
Kinsevere phase 1	TSTR001	8	12	UNK		RSF
Kinsevere phase 1	TSTR001	12	16	UNK		SD
Kinsevere phase 1	TSTR001	16	34	UNK		BRC
Kinsevere phase 1	TSTR001	34	36	UNK		SD
Kinsevere phase 1	TSTR001	36	50	UNK		BRC
Kinsevere phase 1	TSTR001	50	54	UNK		SD
Kinsevere phase 1	TSTR001	54	58	UNK		SD
Kinsevere phase 1	TSTR002	0	7	UNK		BRC
Kinsevere phase 1	TSTR002	7	18	UNK		SD
Kinsevere phase 1	TSTR002	18	27	UNK		SD
Kinsevere phase 1	TSTR003	0	16	UNK		BRC
Kinsevere phase 1	TSTR003	16	18	UNK		RAT
Kinsevere phase 1	TSTR003	18	20	UNK		DSTR
Kinsevere phase 1	TSTR003	20	22	UNK		RSF
Kinsevere phase 1	TSTR003	22	24	UNK		SD
Kinsevere phase 1	TSTR003	24	28	UNK		RAT
Kinsevere phase 1	TSTR003	28	34	UNK		RAT
Kinsevere phase 2	KPAC001	0	1	OVB		Ku
Kinsevere phase 2	KPAC001	1	2	SLT		Ku
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Kinsevere phase 2	KPAC001	3	4	SLT		Ku
Kinsevere phase 2	KPAC001	4	5	SLT		Ku
Kinsevere phase 2	KPAC001	5	6	SLT		Ku
Kinsevere phase 2	KPAC001	6	7	SLT		Ku
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Kinsevere phase 2	KPAC001	17	18	SHA		Ku
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Kinsevere phase 2	KPAC001	22	23	SHA		Ku
Kinsevere phase 2	KPAC001	23	24	SHA		Ku
Kinsevere phase 2	KPAC001	24	25	SHA		Ku
Kinsevere phase 2	KPAC001	25	26	SLT		Ku
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Kinsevere phase 2	KPAC001	30	31	SHA		Ku

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Kinsevere phase 2	KPAC001	35	36	SHA	Ku
Kinsevere phase 2	KPAC001	36	37	SLT	Ku
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Kinsevere phase 2	KPAC001	39	40	SHA	Ku
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Kinsevere phase 2	KPAC002	11	12	SHA	Ku
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Kinsevere phase 2	KPAC002	13	14	SLT	Ku
Kinsevere phase 2	KPAC002	14	15	SLT	Ku
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Kinsevere phase 2	KPAC002	18	19	SLT	Ku
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Kinsevere phase 2	KPAC002	22	23	SHA	Ku
Kinsevere phase 2	KPAC002	23	24	SHA	Ku
Kinsevere phase 2	KPAC002	24	25	SLT	Ku
Kinsevere phase 2	KPAC002	25	26	SLT	Ku
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Kinsevere phase 2	KPAC002	32	33	SLT	Ku
Kinsevere phase 2	KPAC002	33	34	SLT	Ku
Kinsevere phase 2	KPAC002	34	35	SLT	Ku
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Kinsevere phase 2	KPAC003	24	25	SHA	Ku
Kinsevere phase 2	KPAC003	25	26	SHA	Ku
Kinsevere phase 2	KPAC003	26	27	SHA	Ku
Kinsevere phase 2	KPAC003	27	28	SHA	Ku
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Kinsevere phase 2	KPAC003	31	32	SLT	Ku
Kinsevere phase 2	KPAC003	32	33	SHA	Ku
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Kinsevere phase 2	KPAC003	34	35	SHA	Ku
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Kinsevere phase 2	KPAC003	36	37	SLT	Ku
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Kinsevere phase 2	KPAC003	38	39	SHA	Ku
Kinsevere phase 2	KPAC003	39	40	SHA	Ku
Kinsevere phase 2	KPAC004	0	1	SHA	Ku
Kinsevere phase 2	KPAC004	1	2	SLT	Ku
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Kinsevere phase 2	KPAC004	24	25	SLT	Ku
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Kinsevere phase 2	KPAC005	0	1	SOL	Ku
Kinsevere phase 2	KPAC005	1	2	SOL	Ku

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Kinsevere phase 2	KPAC007	0	1	SLT	Ku
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Kinsevere phase 2	KPAC008	26	27	SHA	Ku
Kinsevere phase 2	KPAC008	27	28	SHA	Ku
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Kinsevere phase 2	KPAC008	31	32	SHA	Ku
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Kinsevere phase 2	KPAC008	33	34	SHA	Ku
Kinsevere phase 2	KPAC008	34	35	SHA	Ku
Kinsevere phase 2	KPAC008	35	36	SHA	Ku
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Kinsevere phase 2	KPAC008	38	39	SHA	Ku
Kinsevere phase 2	KPAC008	39	40	SHA	Ku
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Kinsevere phase 2	KPAC009	19	20	SHA	Ku
Kinsevere phase 2	KPAC009	20	21	SHA	Ku
Kinsevere phase 2	KPAC009	21	22	SHA	Ku
Kinsevere phase 2	KPAC009	22	23	SHA	Ku
Kinsevere phase 2	KPAC009	23	24	SHA	Ku
Kinsevere phase 2	KPAC009	24	25	SHA	Ku
Kinsevere phase 2	KPAC009	25	26	SHA	Ku
Kinsevere phase 2	KPAC009	26	27	SHA	Ku
Kinsevere phase 2	KPAC009	27	28	SHA	Ku
Kinsevere phase 2	KPAC009	28	29	SHA	Ku

Kinsevere phase 2	KPAC009	29	30	SHA	Ku
Kinsevere phase 2	KPAC009	30	31	SHA	Ku
Kinsevere phase 2	KPAC009	31	32	SHA	Ku
Kinsevere phase 2	KPAC009	32	33	SHA	Ku
Kinsevere phase 2	KPAC009	33	34	SHA	Ku
Kinsevere phase 2	KPAC009	34	35	SHA	Ku
Kinsevere phase 2	KPAC009	35	36	SHA	Ku
Kinsevere phase 2	KPAC009	36	37	SHA	Ku
Kinsevere phase 2	KPAC009	37	38	SHA	Ku
Kinsevere phase 2	KPAC009	38	39	SHA	Ku
Kinsevere phase 2	KPAC009	39	40	SHA	Ku
Kinsevere phase 2	KPAC010	0	2	SOL	Ku
Kinsevere phase 2	KPAC010	2	6	SOL	Ku
Kinsevere phase 2	KPAC010	6	12	SHA	Ku
Kinsevere phase 2	KPAC010	12	19	SLT	Ku
Kinsevere phase 2	KPAC010	19	40	SHA	Ku
Kinsevere phase 2	KPAC011	0	2	SOL	Ku
Kinsevere phase 2	KPAC011	2	9	SHA	Ku
Kinsevere phase 2	KPAC011	9	18	SLT	Ku
Kinsevere phase 2	KPAC011	18	22	SLT	Ku
Kinsevere phase 2	KPAC011	22	40	SHA	Ku
Kinsevere phase 2	KPAC012	0	4	SOL	Ku
Kinsevere phase 2	KPAC012	4	8	SHA	Ku
Kinsevere phase 2	KPAC012	8	16	SLT	Ku
Kinsevere phase 2	KPAC012	16	22	SHA	Ku
Kinsevere phase 2	KPAC012	22	40	SHA	Ku
Kinsevere phase 2	KPAC013	0	2	SOL	Ku
Kinsevere phase 2	KPAC013	2	4	SLT	Ku
Kinsevere phase 2	KPAC013	4	9	SLT	Ku
Kinsevere phase 2	KPAC013	9	16	SHA	Ku
Kinsevere phase 2	KPAC013	16	21	SHA	Ku
Kinsevere phase 2	KPAC013	21	40	SHA	Ku
Kinsevere phase 2	KPAC014	0	1	SOL	Ku
Kinsevere phase 2	KPAC014	1	3	SHA	Ku
Kinsevere phase 2	KPAC014	3	5	SLT	Ku
Kinsevere phase 2	KPAC014	5	16	SHA	Ku
Kinsevere phase 2	KPAC014	16	27	SHA	Ku
Kinsevere phase 2	KPAC014	27	32	SHA	Ku
Kinsevere phase 2	KPAC014	32	40	SHA	Ku
Kinsevere phase 2	KPAC015	0	3	SOL	Ku
Kinsevere phase 2	KPAC015	3	6	SHA	Ku
Kinsevere phase 2	KPAC015	6	14	SLT	Ku
Kinsevere phase 2	KPAC015	14	20	SHA	Ku
Kinsevere phase 2	KPAC015	20	35	SLT	Ku
Kinsevere phase 2	KPAC015	35	40	SHA	Ku
Kinsevere phase 2	KPAC016	0	2	SOL	Ku
Kinsevere phase 2	KPAC016	2	9	SHA	Ku
Kinsevere phase 2	KPAC016	9	18	SHA	Ku
Kinsevere phase 2	KPAC016	18	20	SHA	Ku
Kinsevere phase 2	KPAC016	20	30	SHA	Ku
Kinsevere phase 2	KPAC017	0	1	SOL	Ku
Kinsevere phase 2	KPAC017	1	3	SHA	Ku
Kinsevere phase 2	KPAC017	3	8	SHA	Ku
Kinsevere phase 2	KPAC017	8	10	SHA	Ku
Kinsevere phase 2	KPAC017	10	19	SHA	Ku
Kinsevere phase 2	KPAC017	19	30	SHA	Ku
Kinsevere phase 2	KPAC018	0	1	SOL	Ku
Kinsevere phase 2	KPAC018	1	3	SOL	Ku
Kinsevere phase 2	KPAC018	3	7	SLT	Ku
Kinsevere phase 2	KPAC018	7	36	SHA	Ku
Kinsevere phase 2	KPAC019	0	4	SHA	Ku
Kinsevere phase 2	KPAC019	4	5	SLT	Ku
Kinsevere phase 2	KPAC019	5	11	SHA	Ku

Kinsevere phase 2	KPAC019	11	18	SHA	Ku
Kinsevere phase 2	KPAC019	18	35	SLT	Ku
Kinsevere phase 2	KPAC020	0	3	SOL	Ku
Kinsevere phase 2	KPAC020	3	14	SHA	Ku
Kinsevere phase 2	KPAC020	14	18	SLT	Ku
Kinsevere phase 2	KPAC020	18	39	SHA	Ku
Kinsevere phase 2	KPAC021	0	1	SHA	Ku
Kinsevere phase 2	KPAC021	1	7	SLT	Ku
Kinsevere phase 2	KPAC021	7	8	SHA	Ku
Kinsevere phase 2	KPAC021	8	10	SHA	Ku
Kinsevere phase 2	KPAC021	10	11	SLT	Ku
Kinsevere phase 2	KPAC021	11	16	SHA	Ku
Kinsevere phase 2	KPAC021	16	18	SLT	Ku
Kinsevere phase 2	KPAC021	18	26	SHA	Ku
Kinsevere phase 2	KPAC021	26	31	SLT	Ku
Kinsevere phase 2	KPAC021	31	39	SHA	Ku
Kinsevere phase 2	KPAC022	0	2	SOL	Ku
Kinsevere phase 2	KPAC022	2	33	SHA	Ku
Kinsevere phase 2	KPAC022	33	39	SLT	Ku
Kinsevere phase 2	KPAC023	0	4	SOL	Ku
Kinsevere phase 2	KPAC023	4	16	SHA	Ku
Kinsevere phase 2	KPAC023	16	39	SLT	Ku
Kinsevere phase 2	KPAC024	0	2	SOL	Ku
Kinsevere phase 2	KPAC024	2	3	SOL	Ku
Kinsevere phase 2	KPAC024	3	7	SHA	Ku
Kinsevere phase 2	KPAC024	7	20	SLT	Ku
Kinsevere phase 2	KPAC024	20	28	SLT	Ku
Kinsevere phase 2	KPAC024	28	39	SLT	Ku
Kinsevere phase 2	KPAC025	0	24	SOL	Ku
Kinsevere phase 2	KPAC025	24	26	SOL	Ku
Kinsevere phase 2	KPAC025	26	45	SLT	Ku
Kinsevere phase 2	KPAC026	0	2	SOL	RRAT
Kinsevere phase 2	KPAC026	2	4	SOL	RRAT
Kinsevere phase 2	KPAC026	4	21	SLT	RRAT
Kinsevere phase 2	KPAC026	21	26	SLT	RRAT
Kinsevere phase 2	KPAC026	26	36	SLT	RRAT
Kinsevere phase 2	KPAC026	36	38	SLT	RRAT
Kinsevere phase 2	KPAC026	38	40	SLT	RRAT
Kinsevere phase 2	KPAC027	0	1	SOL	Ku
Kinsevere phase 2	KPAC027	1	2	SOL	Ku
Kinsevere phase 2	KPAC027	2	12	SLT	Ku
Kinsevere phase 2	KPAC027	12	14	SLT	Ku
Kinsevere phase 2	KPAC027	14	16	SLT	Ku
Kinsevere phase 2	KPAC028	0	1	SOL	Ku
Kinsevere phase 2	KPAC028	1	2	SOL	Ku
Kinsevere phase 2	KPAC028	2	10	SLT	Ku
Kinsevere phase 2	KPAC028	10	21	SLT	Ku
Kinsevere phase 2	KPAC028	21	26	SLT	Ku
Kinsevere phase 2	KPAC028	26	33	SHA	Ku
Kinsevere phase 2	KPAC029	0	2	SOL	Ku
Kinsevere phase 2	KPAC029	2	3	SOL	Ku
Kinsevere phase 2	KPAC029	3	8	SHA	Ku
Kinsevere phase 2	KPAC029	8	28	SLT	Ku
Kinsevere phase 2	KPAC029	28	32	SLT	Ku
Kinsevere phase 2	KPAC029	32	36	SLT	Ku
Kinsevere phase 2	KPAC030	0	2	SOL	Ku
Kinsevere phase 2	KPAC030	2	5	SOL	Ku
Kinsevere phase 2	KPAC030	5	9	SHA	Ku
Kinsevere phase 2	KPAC030	9	14	SLT	Ku
Kinsevere phase 2	KPAC030	14	19	SHA	Ku
Kinsevere phase 2	KPAC030	19	26	SHA	Ku
Kinsevere phase 2	KPAC030	26	36	SST	Ku
Kinsevere phase 2	KPAC031	0	3	SOL	G1

Kinsevere phase 2	KPAC031	3	7	SLT	G1
Kinsevere phase 2	KPAC031	7	18	CON	Ku
Kinsevere phase 2	KPAC032	0	1	SOL	Ku
Kinsevere phase 2	KPAC032	1	3	SOL	Ku
Kinsevere phase 2	KPAC032	3	8	SLT	Ku
Kinsevere phase 2	KPAC032	8	12	CON	Ku
Kinsevere phase 2	KPAC033	0	1	SOL	G1
Kinsevere phase 2	KPAC033	1	6	SLT	G1
Kinsevere phase 2	KPAC033	6	12	CON	G1
Kinsevere phase 2	KPAC034	0	1	SOL	G1
Kinsevere phase 2	KPAC034	1	4	SLT	G1
Kinsevere phase 2	KPAC034	4	8	SLT	G1
Kinsevere phase 2	KPAC034	8	18	CON	G1
Kinsevere phase 2	KPAC035	0	2	SOL	G1
Kinsevere phase 2	KPAC035	2	25	CON	G1
Kinsevere phase 2	KPAC035	25	33	SLT	G1
Kinsevere phase 2	KPAC036	0	1	SOL	Ku
Kinsevere phase 2	KPAC036	1	3	SOL	Ku
Kinsevere phase 2	KPAC036	3	39	SHA	Ku
Kinsevere phase 2	KPAC037	0	2	SOL	Ku
Kinsevere phase 2	KPAC037	2	22	SHA	Ku
Kinsevere phase 2	KPAC037	22	33	SHA	Ku
Kinsevere phase 2	KPAC038	0	2	SOL	GRAT
Kinsevere phase 2	KPAC038	2	5	SOL	GRAT
Kinsevere phase 2	KPAC038	5	39	SLT	GRAT
Kinsevere phase 2	KPAC039	0	1	SOL	GRAT
Kinsevere phase 2	KPAC039	1	2	SOL	GRAT
Kinsevere phase 2	KPAC039	2	39	SLT	GRAT
Kinsevere phase 2	KPAC040	0	2	SOL	GRAT
Kinsevere phase 2	KPAC040	2	31	CON	GRAT
Kinsevere phase 2	KPAC040	31	38	SLT	GRAT
Kinsevere phase 2	KPAC041	0	1	SOL	GRAT
Kinsevere phase 2	KPAC041	1	3	SOL	GRAT
Kinsevere phase 2	KPAC041	3	4	SOL	GRAT
Kinsevere phase 2	KPAC041	4	9	SLT	GRAT
Kinsevere phase 2	KPAC041	9	16	SLT	GRAT
Kinsevere phase 2	KPAC041	16	29	CON	GRAT
Kinsevere phase 2	KPAC041	29	39	SLT	GRAT
Kinsevere phase 2	KPAC042	0	1	SOL	GRAT
Kinsevere phase 2	KPAC042	1	12	SLT	GRAT
Kinsevere phase 2	KPAC042	12	30	SLT	GRAT
Kinsevere phase 2	KPAC043	0	5	SOL	GRAT
Kinsevere phase 2	KPAC043	5	6	SOL	SOL
Kinsevere phase 2	KPAC043	6	12	SLT	SOL
Kinsevere phase 2	KPAC043	12	26	SLT	Ku
Kinsevere phase 2	KPAC043	26	30	SHA	Ku
Kinsevere phase 2	KPAC043	30	35	SLT	Ku
Kinsevere phase 2	KPAC044	0	5	SOL	SOL
Kinsevere phase 2	KPAC044	5	6	SOL	Ku
Kinsevere phase 2	KPAC044	6	12	SHA	Ku
Kinsevere phase 2	KPAC044	12	21	SLT	Ku
Kinsevere phase 2	KPAC044	21	39	SLT	Ku
Kinsevere phase 2	KPAC045	0	3	SOL	SOL
Kinsevere phase 2	KPAC045	3	14	SOL	SOL
Kinsevere phase 2	KPAC045	14	21	SLT	Ku
Kinsevere phase 2	KPAC045	21	40	SLT	Ku
Kinsevere phase 2	KPAC045	40	48	CON	G1
Kinsevere phase 2	KPAC046	0	4	SOL	SOL
Kinsevere phase 2	KPAC046	4	6	SOL	SOL
Kinsevere phase 2	KPAC046	6	10	SOL	SOL
Kinsevere phase 2	KPAC046	10	12	SLT	Ku
Kinsevere phase 2	KPAC046	12	20	SHA	Ku
Kinsevere phase 2	KPAC046	20	33	SLT	Ku

Kinsevere phase 2	KPAC046	33	39	SLT	Ku
Kinsevere phase 2	KPAC047	0	3	SOL	SOL
Kinsevere phase 2	KPAC047	3	12	SOL	SOL
Kinsevere phase 2	KPAC047	12	26	SLT	Ku
Kinsevere phase 2	KPAC047	26	30	SLT	G1
Kinsevere phase 2	KPAC048	0	3	SOL	SOL
Kinsevere phase 2	KPAC048	3	5	SOL	SOL
Kinsevere phase 2	KPAC048	5	7	SLT	Ku
Kinsevere phase 2	KPAC048	7	35	CON	Ku
Kinsevere phase 2	KPAC049				
Kinsevere phase 2	KPAC050	0	1	SOL	SOL
Kinsevere phase 2	KPAC050	1	2	SOL	SOL
Kinsevere phase 2	KPAC050	2	8	SLT	RRAT
Kinsevere phase 2	KPAC050	8	14	SLT	RRAT
Kinsevere phase 2	KPAC050	14	23	SLT	RRAT
Kinsevere phase 2	KPAC050	23	39	SLT	RRAT
Kinsevere phase 2	KPAC051	0	1	SOL	SOL
Kinsevere phase 2	KPAC051	1	4	SOL	SOL
Kinsevere phase 2	KPAC051	4	33	SST	RRAT
Kinsevere phase 2	KPAC051	33	37	SLT	RRAT
Kinsevere phase 2	KPAC051	37	39	SLT	RRAT
Kinsevere phase 2	KPAC052	0	1	SOL	SOL
Kinsevere phase 2	KPAC052	1	2	SOL	SOL
Kinsevere phase 2	KPAC052	2	3	SOL	SOL
Kinsevere phase 2	KPAC052	3	10	SST	RRAT
Kinsevere phase 2	KPAC052	10	39	SST	RRAT
Kinsevere phase 2	KPAC053	0	2	SOL	SOL
Kinsevere phase 2	KPAC053	2	4	SOL	SOL
Kinsevere phase 2	KPAC053	4	10	SOL	SOL
Kinsevere phase 2	KPAC053	10	24	SST	RRAT
Kinsevere phase 2	KPAC053	24	31	SST	RRAT
Kinsevere phase 2	KPAC053	31	39	SST	RRAT
Kinsevere phase 2	KPAC054	0	1	SOL	SOL
Kinsevere phase 2	KPAC054	1	27	SLT	RRAT
Kinsevere phase 2	KPAC054	27	36	SLT	RRAT
Kinsevere phase 2	KPAC055	0	18	SLT	Ku
Kinsevere phase 2	KPAC055	18	22	SLT	Ku
Kinsevere phase 2	KPAC055	22	30	SLT	Ku
Kinsevere phase 2	KPAC056	0	12	SOL	SOL
Kinsevere phase 2	KPAC056	12	16	SLT	Ku
Kinsevere phase 2	KPAC056	16	32	SLT	Ku
Kinsevere phase 2	KPAC056	32	39	SLT	Ku
Kinsevere phase 2	KPAC057	0	1	SOL	SOL
Kinsevere phase 2	KPAC057	1	16	SLT	Ku
Kinsevere phase 2	KPAC057	16	39	SLT	Ku
Kinsevere phase 2	KPAC058	0	15	SLT	Ku
Kinsevere phase 2	KPAC058	15	16	SLT	Ku
Kinsevere phase 2	KPAC058	16	21	SLT	Ku
Kinsevere phase 2	KPAC058	21	22	SLT	Ku
Kinsevere phase 2	KPAC058	22	23	SLT	Ku
Kinsevere phase 2	KPAC058	23	27	SLT	Ku
Kinsevere phase 2	KPAC059	0	3	SOL	SOL
Kinsevere phase 2	KPAC059	3	14	SLT	Ku
Kinsevere phase 2	KPAC059	14	20	SLT	Ku
Kinsevere phase 2	KPAC059	20	36	SLT	Ku
Kinsevere phase 2	KPAC060	0	3	SOL	SOL
Kinsevere phase 2	KPAC060	3	6	SLT	Ku
Kinsevere phase 2	KPAC060	6	39	SLT	Ku
Kinsevere phase 2	KPAC061	0	1	SOL	SOL
Kinsevere phase 2	KPAC061	1	4	DLM	DSTR
Kinsevere phase 2	KPAC061	4	11	SLT	GRAT
Kinsevere phase 2	KPAC061	11	20	SLT	GRAT
Kinsevere phase 2	KPAC061	20	24	SLT	GRAT

Kinsevere phase 2	KPAC061	24	25	SLT	GRAT
Kinsevere phase 2	KPAC061	25	30	SLT	GRAT
Kinsevere phase 2	KPAC062	0	3	SOL	SOL
Kinsevere phase 2	KPAC062	3	9	SLT	RRAT
Kinsevere phase 2	KPAC062	9	39	SLT	RRAT
Kinsevere phase 2	KPAC063	0	3	SOL	SOL
Kinsevere phase 2	KPAC063	3	12	SLT	RRAT
Kinsevere phase 2	KPAC063	12	34	SLT	RRAT
Kinsevere phase 2	KPAC063	34	39	SLT	Ku
Kinsevere phase 2	KPAC064	0	4	SOL	SOL
Kinsevere phase 2	KPAC064	4	5	SOL	SOL
Kinsevere phase 2	KPAC064	5	6	SOL	SOL
Kinsevere phase 2	KPAC064	6	11	SLT	Ku
Kinsevere phase 2	KPAC064	11	17	SLT	Ku
Kinsevere phase 2	KPAC064	17	20	SLT	Ku
Kinsevere phase 2	KPAC064	20	29	SLT	Ku
Kinsevere phase 2	KPAC064	29	33	SLT	Ku
Kinsevere phase 2	KPAC065	0	3	SOL	SOL
Kinsevere phase 2	KPAC065	3	9	SLT	Ku
Kinsevere phase 2	KPAC065	9	12	SLT	Ku
Kinsevere phase 2	KPAC065	12	28	SLT	Ku
Kinsevere phase 2	KPAC065	28	39	SLT	Ku
Kinsevere phase 2	KPAC066	0	5	SOL	SOL
Kinsevere phase 2	KPAC066	5	7	SLT	Ku
Kinsevere phase 2	KPAC066	7	39	SLT	Ku
Kinsevere phase 2	KPAC067	0	3	SOL	SOL
Kinsevere phase 2	KPAC067	3	9	SLT	Ku
Kinsevere phase 2	KPAC067	9	13	SST	Ku
Kinsevere phase 2	KPAC067	13	21	SLT	Ku
Kinsevere phase 2	KPAC067	21	36	SLT	Ku
Kinsevere phase 2	KPAC068	0	4	SOL	SOL
Kinsevere phase 2	KPAC068	4	20	SLT	Ku
Kinsevere phase 2	KPAC068	20	23	SLT	Ku
Kinsevere phase 2	KPAC068	23	32	SLT	Ku
Kinsevere phase 2	KPAC069	0	5	SOL	SOL
Kinsevere phase 2	KPAC069	5	6	SLT	Ku
Kinsevere phase 2	KPAC069	6	14	SLT	Ku
Kinsevere phase 2	KPAC069	14	18	SLT	Ku
Kinsevere phase 2	KPAC069	18	20	SLT	Ku
Kinsevere phase 2	KPAC069	20	24	SLT	Ku
Kinsevere phase 2	KPAC069	24	33	SLT	Ku
Kinsevere phase 2	KPAC069	33	36	SLT	Ku
Kinsevere phase 2	KPAC070	0	6	SOL	SOL
Kinsevere phase 2	KPAC070	6	32	SLT	Ku
Kinsevere phase 2	KPAC070	32	36	SLT	Ku
Kinsevere phase 2	KPAC071	0	8	SOL	SOL
Kinsevere phase 2	KPAC071	8	20	SLT	Ku
Kinsevere phase 2	KPAC071	20	30	SLT	Ku
Kinsevere phase 2	KPAC072	0	1	SOL	SOL
Kinsevere phase 2	KPAC072	1	20	SLT	GRAT
Kinsevere phase 2	KPAC073	0	1	SOL	SOL
Kinsevere phase 2	KPAC073	2	4	SOL	SOL
Kinsevere phase 2	KPAC073	4	20	SLT	Ku
Kinsevere phase 2	KPAC073	20	29	SLT	Ku
Kinsevere phase 2	KPAC073	29	33	CBM	Ku
Kinsevere phase 2	KPAC073	33	36	SLT	Ku
Kinsevere phase 2	KPAC074	0	3	SOL	SOL
Kinsevere phase 2	KPAC074	3	8	SLT	Ku
Kinsevere phase 2	KPAC074	8	36	SLT	Ku
Kinsevere phase 2	KPAC075	0	1	SOL	SOL
Kinsevere phase 2	KPAC075	1	2	SOL	SOL
Kinsevere phase 2	KPAC075	2	5	SLT	Ku
Kinsevere phase 2	KPAC075	5	30	SLT	Ku

Kinsevere phase 2	KVDM001	0	15.4	SHA		SD
Kinsevere phase 2	KVDM001	15.4	44.299999	UNK		UNK
Kinsevere phase 2	KVDM001	44.299999	58	SHA		SD
Kinsevere phase 2	KVDM001	58	61	SHC		SD
Kinsevere phase 2	KVDM001	61	69.519997	SHC		SD
Kinsevere phase 2	KVDM001	69.519997	97.220001	UNK		UNK
Kinsevere phase 2	KVDM001	97.220001	98	SHA	SHDL	SD
Kinsevere phase 2	KVDM001	98	103.4	ARG		GRAT
Kinsevere phase 2	KVDM001	103.4	108	ARG		GRAT
Kinsevere phase 2	TCAC001	0	10	SOL		CMN
Kinsevere phase 2	TCAC001	10	63	SLT		CMN
Kinsevere phase 2	TCAC002	0	6	SOL		CMN
Kinsevere phase 2	TCAC002	6	69	SLT		CMN
Kinsevere phase 2	TCAC003	0	12	SOL		CMN
Kinsevere phase 2	TCAC003	12	15	SLT		CMN
Kinsevere phase 2	TCAC003	15	19	SHA		CMN
Kinsevere phase 2	TCAC003	19	41	SLT		CMN
Kinsevere phase 2	TCAC003	41	65	SHA		CMN
Kinsevere phase 2	TCAC003	65	69	SST		CMN
Kinsevere phase 2	TCAC004	0	6	SOL		CMN
Kinsevere phase 2	TCAC004	6	19	SLT		CMN
Kinsevere phase 2	TCAC004	19	33	SHA		CMN
Kinsevere phase 2	TCAC004	33	34	SLT		CMN
Kinsevere phase 2	TCAC004	34	63	SHA		CMN
Kinsevere phase 2	TCAC004	63	66	SLT		CMN
Kinsevere phase 2	TCAC005	0	10	SOL		CMN
Kinsevere phase 2	TCAC005	10	22	SLT		CMN
Kinsevere phase 2	TCAC005	22	31	SHA		CMN
Kinsevere phase 2	TCAC005	31	42	SLT		CMN
Kinsevere phase 2	TCAC005	42	52	SHA		CMN
Kinsevere phase 2	TCAC005	52	54	SLT		CMN
Kinsevere phase 2	TCAC005	54	69	SHA		CMN
Kinsevere phase 2	TCAC006	0	9	SOL		CMN
Kinsevere phase 2	TCAC006	9	18	SHA		CMN
Kinsevere phase 2	TCAC006	18	54	SLT		CMN
Kinsevere phase 2	TCAC006	54	60	SHA		CMN
Kinsevere phase 2	TCAC006	60	63	SLT		CMN
Kinsevere phase 2	TCAC006	63	69	SHA		CMN
Kinsevere phase 2	TCAC007	0	5	SOL		CMN
Kinsevere phase 2	TCAC007	5	14	SHA		CMN
Kinsevere phase 2	TCAC007	14	16	SLT		CMN
Kinsevere phase 2	TCAC007	16	18	SHA		CMN
Kinsevere phase 2	TCAC007	18	19	SLT		CMN
Kinsevere phase 2	TCAC007	19	23	SHA		CMN
Kinsevere phase 2	TCAC007	23	42	SLT		CMN
Kinsevere phase 2	TCAC007	42	46	SHA		CMN
Kinsevere phase 2	TCAC007	46	52	SLT		CMN
Kinsevere phase 2	TCAC007	52	54	SHA		CMN
Kinsevere phase 2	TCAC007	54	56	SLT		CMN
Kinsevere phase 2	TCAC007	56	59	SHA		CMN
Kinsevere phase 2	TCAC007	59	60	SLT		CMN
Kinsevere phase 2	TCAC007	60	65	SHA		CMN
Kinsevere phase 2	TCAC007	65	69	SLT		CMN
Kinsevere phase 2	TCAC008	0	5	SOL		CMN
Kinsevere phase 2	TCAC008	5	10	SHA		CMN
Kinsevere phase 2	TCAC008	10	40	SLT		CMN
Kinsevere phase 2	TCAC008	40	44	SHA		CMN
Kinsevere phase 2	TCAC008	44	48	SLT		CMN
Kinsevere phase 2	TCAC008	48	53	SHA		CMN
Kinsevere phase 2	TCAC008	53	56	SLT		CMN
Kinsevere phase 2	TCAC008	56	60	SHA		CMN
Kinsevere phase 2	TCAC008	60	69	SLT		CMN
Kinsevere phase 2	TCAC009	0	4	SOL		CMN

Kinsevere phase 2	TCAC009	4	20	CBL	CMN
Kinsevere phase 2	TCAC009	20	22	SHA	CMN
Kinsevere phase 2	TCAC009	22	23	SLT	CMN
Kinsevere phase 2	TCAC009	23	63	SHA	CMN
Kinsevere phase 2	TCAC010	0	9	SOL	CMN
Kinsevere phase 2	TCAC010	9	65	CBL	CMN
Kinsevere phase 2	TCAC011	0	8	SOL	CMN
Kinsevere phase 2	TCAC011	8	69	CBL	CMN
Kinsevere phase 2	TCAC012	0	7	SOL	CMN
Kinsevere phase 2	TCAC012	7	69	CBL	CMN
Kinsevere phase 2	TCAC013	0	14	SOL	CMN
Kinsevere phase 2	TCAC013	14	17	SHA	CMN
Kinsevere phase 2	TCAC013	17	69	CBL	CMN
Kinsevere phase 2	TCAC014	0	11	SOL	CMN
Kinsevere phase 2	TCAC014	11	33	SLT	CMN
Kinsevere phase 2	TCAC014	33	69	CBL	CMN
Kinsevere phase 2	TCAC015	0	9	SOL	CMN
Kinsevere phase 2	TCAC015	9	58	CBL	CMN
Kinsevere phase 2	TCAC016	0	3	SOL	CMN
Kinsevere phase 2	TCAC016	3	69	CBL	CMN
Kinsevere phase 2	TCAC017	0	13	SOL	CMN
Kinsevere phase 2	TCAC017	13	40	CBL	CMN
Kinsevere phase 2	TCAC017	40	69	SLT	CMN
Kinsevere phase 2	TCAC018	0	9	SOL	CMN
Kinsevere phase 2	TCAC018	9	30	CBL	CMN
Kinsevere phase 2	TCAC018	30	67	SST	CMN
Kinsevere phase 2	TCAC018	67	69	CBL	CMN
Kinsevere phase 2	TCAC019	0	1	SOL	CMN
Kinsevere phase 2	TCAC019	1	69	CBL	CMN
Kinsevere phase 2	TCAC020	0	9	SOL	CMN
Kinsevere phase 2	TCAC020	9	69	CBL	CMN
Kinsevere phase 2	TCAC021	0	16	SOL	CMN
Kinsevere phase 2	TCAC021	16	69	CBL	CMN
Kinsevere phase 2	TCAC022	0	11	SOL	CMN
Kinsevere phase 2	TCAC022	11	24	SLT	CMN
Kinsevere phase 2	TCAC022	24	37	CBL	CMN
Kinsevere phase 2	TCAC022	37	41	SLT	CMN
Kinsevere phase 2	TCAC022	41	69	CBL	CMN
Kinsevere phase 2	TCAC023	0	29	SHA	CMN
Kinsevere phase 2	TCAC023	29	69	CBL	CMN
Kinsevere phase 2	TCAC024	0	8	SOL	CMN
Kinsevere phase 2	TCAC024	8	69	CBL	CMN
Kinsevere phase 2	TCAC025	0	4	SOL	CMN
Kinsevere phase 2	TCAC025	4	29	SHA	CMN
Kinsevere phase 2	TCAC025	29	34	SST	CMN
Kinsevere phase 2	TCAC025	34	35	SHA	CMN
Kinsevere phase 2	TCAC025	35	40	SST	CMN
Kinsevere phase 2	TCAC025	40	42	SHA	CMN
Kinsevere phase 2	TCAC025	42	44	SST	CMN
Kinsevere phase 2	TCAC025	44	63	SHA	CMN
Kinsevere phase 2	TCAC026	0	3	SOL	SD
Kinsevere phase 2	TCAC026	3	16	SLT	SD
Kinsevere phase 2	TCAC026	16	33	SHA	CMN
Kinsevere phase 2	TCAC026	33	75	CBL	CMN
Kinsevere phase 2	TCAC027	0	1	SOL	RRAT
Kinsevere phase 2	TCAC027	1	67	SLT	BXH
Kinsevere phase 2	TCAC027	67	71	SLT	CMN
Kinsevere phase 2	TCAC027	71	75	CBL	CMN
Kinsevere phase 2	TCAC028	0	63	SLT	RRAT
Kinsevere phase 2	TCAC029	0	3	SOL	CMN
Kinsevere phase 2	TCAC029	3	24	CBL	CMN
Kinsevere phase 2	TCAC030	0	2	SOL	CMN
Kinsevere phase 2	TCAC030	2	70	CBL	CMN

Kinsevere phase 2	TCAC031	0	2	SOL	CMN
Kinsevere phase 2	TCAC031	2	75	CBL	CMN
Kinsevere phase 2	TCAC032	0	6	SOL	CMN
Kinsevere phase 2	TCAC032	6	25	SHA	CMN
Kinsevere phase 2	TCAC032	25	66	CBL	CMN
Kinsevere phase 2	TCAC033	0	5	SOL	CMN
Kinsevere phase 2	TCAC033	5	32	CBL	CMN
Kinsevere phase 2	TCAC034	0	6	SOL	CMN
Kinsevere phase 2	TCAC034	6	45	CBL	CMN
Kinsevere phase 2	TCAC034	45	58	SLT	CMN
Kinsevere phase 2	TCAC034	58	75	CBL	CMN
Kinsevere phase 2	TCAC035	0	2	SOL	CMN
Kinsevere phase 2	TCAC035	2	54	CBL	CMN
Kinsevere phase 2	TCAC036	0	9	SOL	CMN
Kinsevere phase 2	TCAC036	9	54	CBL	CMN
Kinsevere phase 2	TCAC037	0	11	SOL	SD
Kinsevere phase 2	TCAC037	11	18	SHA	CMN
Kinsevere phase 2	TCAC037	18	36	CBL	NR
Kinsevere phase 2	TCAC037	36	38	NR	CMN
Kinsevere phase 2	TCAC037	38	43	CBL	NR
Kinsevere phase 2	TCAC037	43	50	NR	CMN
Kinsevere phase 2	TCAC037	50	51	CBL	CMN
Kinsevere phase 2	TCAC038	0	11	SOL	CMN
Kinsevere phase 2	TCAC038	11	16	SHA	CMN
Kinsevere phase 2	TCAC038	16	29	CBL	CMN
Kinsevere phase 2	TCAC038	29	31	SHA	CMN
Kinsevere phase 2	TCAC038	31	32	SHA	CMN
Kinsevere phase 2	TCAC038	32	39	SLT	CMN
Kinsevere phase 2	TCAC038	39	40	CBL	CMN
Kinsevere phase 2	TCAC038	40	43	SLT	CMN
Kinsevere phase 2	TCAC038	43	45	CBL	CMN
Kinsevere phase 2	TCAC038	45	46	SLT	CMN
Kinsevere phase 2	TCAC038	46	60	CBL	CMN
Kinsevere phase 2	TCAC038	60	75	SLT	CMN
Kinsevere phase 2	TCAC039	0	6	SOL	CMN
Kinsevere phase 2	TCAC039	6	14	SLT	CMN
Kinsevere phase 2	TCAC039	14	20	CBL	CMN
Kinsevere phase 2	TCAC039	20	75	SLT	CMN
Kinsevere phase 2	TCAC040	0	7	SOL	CMN
Kinsevere phase 2	TCAC040	7	10	SHA	CMN
Kinsevere phase 2	TCAC040	10	12	CBL	CMN
Kinsevere phase 2	TCAC040	12	33	SLT	CMN
Kinsevere phase 2	TCAC041	0	9	SOL	CMN
Kinsevere phase 2	TCAC041	9	14	CBL	CMN
Kinsevere phase 2	TCAC041	14	17	SLT	CMN
Kinsevere phase 2	TCAC041	17	21	SHA	CMN
Kinsevere phase 2	TCAC041	21	25	CBL	CMN
Kinsevere phase 2	TCAC041	25	29	SLT	CMN
Kinsevere phase 2	TCAC041	29	30	CBL	CMN
Kinsevere phase 2	TCAC041	30	32	SLT	CMN
Kinsevere phase 2	TCAC041	32	34	CBL	CMN
Kinsevere phase 2	TCAC041	34	45	SLT	CMN
Kinsevere phase 2	TCAC041	45	55	CBL	CMN
Kinsevere phase 2	TCAC042	0	32	SLT	RRAT
Kinsevere phase 2	TCAC042	32	36	SST	RRAT
Kinsevere phase 2	TCAC042	36	39	SLT	RRAT
Kinsevere phase 2	TCAC042	39	54	SST	RRAT
Kinsevere phase 2	TCAC043	0	15	SST	RRAT
Kinsevere phase 2	TCAC044	0	2	SOL	RRAT
Kinsevere phase 2	TCAC044	2	18	SLT	RRAT
Kinsevere phase 2	TCAC044	18	42	SST	RRAT
Kinsevere phase 2	TCAC045	0	8	SOL	RRAT
Kinsevere phase 2	TCAC045	8	57	SLT	RRAT

Kinsevere phase 2	TCAC046	0	8	SOL	CMN
Kinsevere phase 2	TCAC046	8	28	CBS	BXH
Kinsevere phase 2	TCAC046	28	32	CBS	RRAT
Kinsevere phase 2	TCAC046	32	58	SLT	RRAT
Kinsevere phase 2	TCAC047	0	11	SOL	CMN
Kinsevere phase 2	TCAC047	11	74	CBL	CMN
Kinsevere phase 2	TCAC048	0	10	SOL	CMN
Kinsevere phase 2	TCAC048	10	39	CBL	CMN
Kinsevere phase 2	TCAC049	0	4	SOL	CMN
Kinsevere phase 2	TCAC049	4	34	CBL	CMN
Kinsevere phase 2	TCAC049	34	54	CBS	CMN
Kinsevere phase 2	TCAC050	0	6	SOL	CMN
Kinsevere phase 2	TCAC050	6	28	CBL	CMN
Kinsevere phase 2	TCAC050	28	64	CBS	CMN
Kinsevere phase 2	TCAC051	0	8	SOL	CMN
Kinsevere phase 2	TCAC051	8	14	SHA	CMN
Kinsevere phase 2	TCAC051	14	19	CBS	CMN
Kinsevere phase 2	TCAC051	19	39	CBL	CMN
Kinsevere phase 2	TCAC052	0	9	SOL	CMN
Kinsevere phase 2	TCAC052	9	39	CBS	CMN
Kinsevere phase 2	TCAC053	0	8	SOL	CMN
Kinsevere phase 2	TCAC053	8	30	SHA	CMN
Kinsevere phase 2	TCAC053	30	36	SST	CMN
Kinsevere phase 2	TCAC053	36	67	SHA	CMN
Kinsevere phase 2	TCAC053	67	69	SST	CMN
Kinsevere phase 2	TCAC053	69	75	SHA	CMN
Kinsevere phase 2	TCAC054	0	6	SOL	CMN
Kinsevere phase 2	TCAC054	6	8	SHA	CMN
Kinsevere phase 2	TCAC054	8	12	SLT	CMN
Kinsevere phase 2	TCAC054	12	15	SST	CMN
Kinsevere phase 2	TCAC054	15	17	SHA	CMN
Kinsevere phase 2	TCAC054	17	29	SLT	CMN
Kinsevere phase 2	TCAC054	29	32	SHA	CMN
Kinsevere phase 2	TCAC054	32	37	SST	CMN
Kinsevere phase 2	TCAC054	37	39	SHA	CMN
Kinsevere phase 2	TCAC054	39	42	SST	CMN
Kinsevere phase 2	TCAC054	42	45	SHA	CMN
Kinsevere phase 2	TCAC054	45	58	CBL	CMN
Kinsevere phase 2	TCAC054	58	60	SHA	CMN
Kinsevere phase 2	TCAC054	60	75	CBL	CMN
Kinsevere phase 2	TCAC055	0	5	SOL	CMN
Kinsevere phase 2	TCAC055	5	22	SLT	CMN
Kinsevere phase 2	TCAC055	22	25	CBL	CMN
Kinsevere phase 2	TCAC055	25	26	SLT	CMN
Kinsevere phase 2	TCAC055	26	27	CBL	CMN
Kinsevere phase 2	TCAC055	27	33	SLT	CMN
Kinsevere phase 2	TCAC055	33	43	CBL	CMN
Kinsevere phase 2	TCAC055	43	44	SLT	CMN
Kinsevere phase 2	TCAC055	44	48	SST	CMN
Kinsevere phase 2	TCAC056	0	3	SOL	CMN
Kinsevere phase 2	TCAC056	3	10	CBL	CMN
Kinsevere phase 2	TCAC056	10	14	SLT	CMN
Kinsevere phase 2	TCAC056	14	19	CBL	CMN
Kinsevere phase 2	TCAC056	19	20	SLT	CMN
Kinsevere phase 2	TCAC056	20	24	CBL	CMN
Kinsevere phase 2	TCAC056	24	43	SLT	CMN
Kinsevere phase 2	TCAC056	43	46	SST	CMN
Kinsevere phase 2	TCAC056	46	48	SLT	CMN
Kinsevere phase 2	TCAC056	48	56	CBL	CMN
Kinsevere phase 2	TCAC056	56	59	SLT	CMN
Kinsevere phase 2	TCAC056	59	60	CBL	CMN
Kinsevere phase 2	TCAC057	0	12	SOL	CMN
Kinsevere phase 2	TCAC057	12	66	CBL	NR

Kinsevere phase 2	TCAC057	66	68	NR	CMN
Kinsevere phase 2	TCAC057	68	75	CBL	CMN
Kinsevere phase 2	TCAC058	0	18	SOL	CMN
Kinsevere phase 2	TCAC058	18	48	CBS	CMN
Kinsevere phase 2	TCAC059	0	25	SOL	CMN
Kinsevere phase 2	TCAC059	25	52	CBS	CMN
Kinsevere phase 2	TCAC060	0	6	SOL	RRAT
Kinsevere phase 2	TCAC060	6	40	SLT	RRAT
Kinsevere phase 2	TCAC061	0	4	SOL	RRAT
Kinsevere phase 2	TCAC061	4	40	SLT	RRAT
Kinsevere phase 2	TCAC062	0	2	SOL	RRAT
Kinsevere phase 2	TCAC062	2	31	SLT	RRAT
Kinsevere phase 2	TCAC063	0	11	SOL	RRAT
Kinsevere phase 2	TCAC063	11	52	SLT	RRAT
Kinsevere phase 2	TCAC064	0	15	SOL	CMN
Kinsevere phase 2	TCAC064	15	21	CBL	CMN
Kinsevere phase 2	TCAC064	21	31	CBS	CMN
Kinsevere phase 2	TCAC064	31	41	CBL	CMN
Kinsevere phase 2	TCAC064	41	63	CBS	CMN
Kinsevere phase 2	TCAC065	0	19	SOL	CMN
Kinsevere phase 2	TCAC065	19	27	SLT	CMN
Kinsevere phase 2	TCAC065	27	41	CBS	CMN
Kinsevere phase 2	TCAC066	0	21	SOL	CMN
Kinsevere phase 2	TCAC066	21	46	CBL	CMN
Kinsevere phase 2	TCAC066	46	50	CBS	CMN
Kinsevere phase 2	TCAC066	50	51	CBL	CMN
Kinsevere phase 2	TCAC067	0	10	SOL	CMN
Kinsevere phase 2	TCAC067	10	32	SLT	CMN
Kinsevere phase 2	TCAC067	32	52	CBL	CMN
Kinsevere phase 2	TCAC068	0	8	SOL	RRAT
Kinsevere phase 2	TCAC068	8	39	SLT	RRAT
Kinsevere phase 2	TCAC069	0	6	SOL	RRAT
Kinsevere phase 2	TCAC069	6	32	SLT	RRAT
Kinsevere phase 2	TCAC070	0	7	SOL	RRAT
Kinsevere phase 2	TCAC070	7	30	SLT	RRAT
Kinsevere phase 2	TCAC071	0	7	SOL	CMN
Kinsevere phase 2	TCAC071	7	11	SHA	CMN
Kinsevere phase 2	TCAC071	11	36	CBL	CMN
Kinsevere phase 2	TCAC071	36	37	SHA	CMN
Kinsevere phase 2	TCAC071	37	40	CBL	CMN
Kinsevere phase 2	TCAC071	40	42	SLT	CMN
Kinsevere phase 2	TCAC071	42	44	CBL	CMN
Kinsevere phase 2	TCAC071	44	48	SLT	CMN
Kinsevere phase 2	TCAC071	48	50	CBL	CMN
Kinsevere phase 2	TCAC071	50	51	SHA	CMN
Kinsevere phase 2	TCAC071	51	55	CBL	CMN
Kinsevere phase 2	TCAC071	55	67	SLT	CMN
Kinsevere phase 2	TCAC072	0	11	SOL	CMN
Kinsevere phase 2	TCAC072	11	62	CBL	CMN
Kinsevere phase 2	TCAC072	62	64	SLT	CMN
Kinsevere phase 2	TCAC072	64	69	SST	CMN
Kinsevere phase 2	TCAC072	69	71	SLT	CMN
Kinsevere phase 2	TCAC072	71	75	SST	CMN
Kinsevere phase 2	TCAC073	0	17	SOL	CMN
Kinsevere phase 2	TCAC073	17	20	SST	CMN
Kinsevere phase 2	TCAC073	20	39	CBL	CMN
Kinsevere phase 2	TCAC073	39	47	SHA	CMN
Kinsevere phase 2	TCAC074	0	17	SOL	CMN
Kinsevere phase 2	TCAC074	17	28	SLT	BXH
Kinsevere phase 2	TCAC074	28	31	SST	RRAT
Kinsevere phase 2	TCAC074	31	39	SLT	RRAT
Kinsevere phase 2	TCAC075	0	10	SOL	RRAT
Kinsevere phase 2	TCAC075	10	45	SLT	RRAT

Kinsevere phase 2	TCAC076	0	16	SOL	RRAT
Kinsevere phase 2	TCAC076	16	40	SLT	RRAT
Kinsevere phase 2	TCAC077	0	9	SOL	CMN
Kinsevere phase 2	TCAC077	9	20	CBL	CMN
Kinsevere phase 2	TCAC077	20	24	SLT	CMN
Kinsevere phase 2	TCAC077	24	40	CBL	CMN
Kinsevere phase 2	TCAC077	40	42	SHA	CMN
Kinsevere phase 2	TCAC077	42	47	SLT	CMN
Kinsevere phase 2	TCAC077	47	48	SHA	CMN
Kinsevere phase 2	TCAC077	48	49	SLT	CMN
Kinsevere phase 2	TCAC077	49	52	SHA	CMN
Kinsevere phase 2	TCAC078	0	16	SOL	CMN
Kinsevere phase 2	TCAC078	16	51	CBL	CMN
Kinsevere phase 2	TCAC079	0	26	SOL	CMN
Kinsevere phase 2	TCAC079	26	33	CBL	CMN
Kinsevere phase 2	TCAC079	33	36	SLT	CMN
Kinsevere phase 2	TCAC079	36	38	SHA	CMN
Kinsevere phase 2	TCAC079	38	40	SLT	CMN
Kinsevere phase 2	TCAC079	40	41	CBL	CMN
Kinsevere phase 2	TCAC079	41	42	SST	CMN
Kinsevere phase 2	TCAC079	42	43	SLT	CMN
Kinsevere phase 2	TCAC079	43	47	CBL	CMN
Kinsevere phase 2	TCAC079	47	57	SLT	CMN
Kinsevere phase 2	TCAC079	57	63	DLM	CMN
Kinsevere phase 2	TCAC080	0	12	SOL	CMN
Kinsevere phase 2	TCAC080	12	36	CBL	BXH
Kinsevere phase 2	TCAC080	36	39	SLT	RRAT
Kinsevere phase 2	TCAC080	39	50	SLT	RRAT
Kinsevere phase 2	TCAC081	0	6	SOL	RRAT
Kinsevere phase 2	TCAC081	6	39	SLT	RRAT
Kinsevere phase 2	TCAC082	0	3	SOL	CMN
Kinsevere phase 2	TCAC082	3	7	CBL	CMN
Kinsevere phase 2	TCAC082	7	23	SLT	CMN
Kinsevere phase 2	TCAC082	23	26	CBL	CMN
Kinsevere phase 2	TCAC082	26	32	SLT	CMN
Kinsevere phase 2	TCAC082	32	43	CBL	CMN
Kinsevere phase 2	TCAC082	43	46	SLT	CMN
Kinsevere phase 2	TCAC082	46	49	CBL	CMN
Kinsevere phase 2	TCAC082	49	50	SLT	CMN
Kinsevere phase 2	TCAC083	0	8	SOL	CMN
Kinsevere phase 2	TCAC083	8	50	CBL	CMN
Kinsevere phase 2	TCAC084	0	7	SOL	CMN
Kinsevere phase 2	TCAC084	7	27	CBL	CMN
Kinsevere phase 2	TCAC084	27	32	SLT	CMN
Kinsevere phase 2	TCAC084	32	42	SST	CMN
Kinsevere phase 2	TCAC085	0	3	SOL	NR
Kinsevere phase 2	TCAC085	3	6	NR	SOL
Kinsevere phase 2	TCAC085	6	15	SOL	CMN
Kinsevere phase 2	TCAC085	15	19	CBL	CMN
Kinsevere phase 2	TCAC085	19	20	SST	CMN
Kinsevere phase 2	TCAC085	20	24	CBL	CMN
Kinsevere phase 2	TCAC085	24	28	SLT	CMN
Kinsevere phase 2	TCAC085	28	30	CBL	CMN
Kinsevere phase 2	TCAC085	30	43	SLT	CMN
Kinsevere phase 2	TCAC085	43	50	SST	CMN
Kinsevere phase 2	TCAC086	0	9	SOL	RRAT
Kinsevere phase 2	TCAC086	9	39	SLT	RRAT
Kinsevere phase 2	TCAC087	0	9	SOL	RRAT
Kinsevere phase 2	TCAC087	9	30	SLT	RRAT
Kinsevere phase 2	TCAC088	0	7	SOL	CMN
Kinsevere phase 2	TCAC088	7	14	CBL	CMN
Kinsevere phase 2	TCAC088	14	30	SLT	CMN
Kinsevere phase 2	TCAC089	0	14	SOL	CMN

Kinsevere phase 2	TCAC089	14	40	CBL		CMN
Kinsevere phase 2	TCAC090	0	14	SOL		CMN
Kinsevere phase 2	TCAC090	14	16	SST		CMN
Kinsevere phase 2	TCAC090	16	40	CBL		CMN
Kinsevere phase 2	TCAC091	0	13	SOL		CMN
Kinsevere phase 2	TCAC091	13	34	CBL		CMN
Kinsevere phase 2	TCAC091	34	38	SLT		CMN
Kinsevere phase 2	TCAC091	38	40	CBL		CMN
Kinsevere phase 2	TCAC092	0	5	SOL		RRAT
Kinsevere phase 2	TCAC092	5	30	SLT		RRAT
Kinsevere phase 2	TCAC093	0	3	SOL		SD
Kinsevere phase 2	TCAC093	3	6	SLT		SD
Kinsevere phase 2	TCAC093	6	30	SHA		SD
Kinsevere phase 2	TCAC093	30	33	SLT		SD
Kinsevere phase 2	TCAC093	33	42	SHA		SD
Kinsevere phase 2	TCAC094	0	10	SOL		SD
Kinsevere phase 2	TCAC094	10	17	SHA		SD
Kinsevere phase 2	TCAC094	17	42	SLT		SD
Kinsevere phase 2	TCAC095	0	2	SHA		SD
Kinsevere phase 2	TCAC095	2	40	SLT		SD
Kinsevere phase 2	TCAC096					
Kinsevere phase 2	TCAC097					
Kinsevere phase 2	TCAC098					
Kinsevere phase 2	TCAC099					
Kinsevere phase 2	TCAC100					
Kinsevere phase 2	TCAC101					
Kinsevere phase 2	TCAC102					
Kinsevere phase 2	TCAC103					
Kinsevere phase 2	TCAC104					
Kinsevere phase 2	TCAC105					
Kinsevere phase 2	TCDH006	0	6	ARG		GRAT
Kinsevere phase 2	TCDH006	6	16.799999	ARG		GRAT
Kinsevere phase 2	TCDH006	16.799999	21	DLB		DSTR
Kinsevere phase 2	TCDH006	21	23	DLB	DLH	DSTR
Kinsevere phase 2	TCDH006	23	24.9	DLB	DLH	RSF
Kinsevere phase 2	TCDH006	24.9	32	SLT	SHA	SD
Kinsevere phase 2	TCDH006	32	39	SHA		SD
Kinsevere phase 2	TCDH006	39	41.860001	SHC		SD
Kinsevere phase 2	TCDH006	41.860001	47.5	SHC		SD
Kinsevere phase 2	TCDH006	47.5	71	SHC		SD
Kinsevere phase 2	TCDH006	71	83	SHC		SD
Kinsevere phase 2	TCDH006	83	92	SHC		SD
Kinsevere phase 2	TCDH006	92	94.199997	SHC		SD
Kinsevere phase 2	TCDH006	94.199997	110.6	SHA	SHDL	SD
Kinsevere phase 2	TCDH006	110.6	113.9	SHC		SD
Kinsevere phase 2	TCDH006	113.9	115.7	SHDL		SD
Kinsevere phase 2	TCDH006	115.7	118	CARS	SHC	SD
Kinsevere phase 2	TCDH006	118	125.5	CARS	SHC	SD
Kinsevere phase 2	TCDH006	125.5	144	CARS	SHC	SD
Kinsevere phase 2	TCDH006	144	145.7	SHC		SD
Kinsevere phase 2	TCDH006	145.7	147.3	SHC		SD
Kinsevere phase 2	TCDH006	147.3	164.60001	SHA	SHDL	SD
Kinsevere phase 2	TCDH006	164.60001	175.10001	SHA	SHC	SD
Kinsevere phase 2	TCDH006	175.10001	176	SHA	SHDL	SD
Kinsevere phase 2	TCDH006	176	189	SHC	DLC	SD
Kinsevere phase 2	TCDH006	189	194	DLM	DLC	SD
Kinsevere phase 2	TCDH006	194	199.5	SHC	DLB	SD
Kinsevere phase 2	TCDH006	199.5	227	DLB		CMN
Kinsevere phase 2	TCDH006	227	236.5	SHC		CMN
Kinsevere phase 2	TCDH007	0	0.5	SOL		OVB
Kinsevere phase 2	TCDH007	0.5	7.6999998	DLM		SD
Kinsevere phase 2	TCDH007	7.6999998	30	SLT		SD
Kinsevere phase 2	TCDH007	30	44	SLT		SD

Kinsevere phase 2	TCDH007	44	46	SHC	CARS	SD
Kinsevere phase 2	TCDH007	46	47.200001	SHDL		SD
Kinsevere phase 2	TCDH007	47.200001	48.799999	SHC	SHDL	SD
Kinsevere phase 2	TCDH007	48.799999	49.599998	DLM		SD
Kinsevere phase 2	TCDH007	49.599998	66	SHC	CARS	SD
Kinsevere phase 2	TCDH007	66	70.199997	DLM	DLH	SD
Kinsevere phase 2	TCDH007	70.199997	73.300003	DLC	CARS	SD
Kinsevere phase 2	TCDH007	73.300003	80.099998	DLC	CARS	SD
Kinsevere phase 2	TCDH007	80.099998	82	DLL		SD
Kinsevere phase 2	TCDH007	82	84.900002	DLC	SHC	SD
Kinsevere phase 2	TCDH007	84.900002	87.800003	DLL		SD
Kinsevere phase 2	TCDH007	87.800003	90	SHC		SD
Kinsevere phase 2	TCDH007	90	121.5	SHC	CARS	SD
Kinsevere phase 2	TCDH007	121.5	132.2	DLC	DLH	SD
Kinsevere phase 2	TCDH007	132.2	139.10001	SHDL		CMN
Kinsevere phase 2	TCDH007	139.10001	171	DLM	SHDL	CMN
Kinsevere phase 2	TCDH007	171	172.5	SHC	DLC	CMN
Kinsevere phase 2	TCDH007	172.5	235	DLB		CMN
Kinsevere phase 2	TCDH007	235	246.8	DLB		CMN
Kinsevere phase 2	TCDH007	246.8	261.5	SHC	CARS	CMN
Kinsevere phase 2	TCDH008	0	2.5	SOL		OVB
Kinsevere phase 2	TCDH008	2.5	3.5	SHA	SLT	SD
Kinsevere phase 2	TCDH008	3.5	54.5	SHDL	SHA	SD
Kinsevere phase 2	TCDH008	54.5	72	SHA	SLT	SD
Kinsevere phase 2	TCDH008	72	86.699997	CARS	DLC	SD
Kinsevere phase 2	TCDH008	86.699997	94.599998	SLT	SHA	SD
Kinsevere phase 2	TCDH008	94.599998	138	DLM		CMN
Kinsevere phase 2	TCDH009	0	1.4	SOL		OVB
Kinsevere phase 2	TCDH009	1.4	46	SLT	SHA	SD
Kinsevere phase 2	TCDH009	46	58.200001	SHA	SHDL	SD
Kinsevere phase 2	TCDH009	58.200001	65.800003	SHC		SD
Kinsevere phase 2	TCDH009	65.800003	70	SHDL	DLH	SD
Kinsevere phase 2	TCDH009	70	107.5	DLB		CMN
Kinsevere phase 2	TCDH009	107.5	109.7	SLT	SHC	CMN
Kinsevere phase 2	TCDH009	109.7	111.3	DLB		CMN
Kinsevere phase 2	TCDH009	111.3	122	DLB	SHC	CMN
Kinsevere phase 2	TCDH010	0	3.5	SOL		OVB
Kinsevere phase 2	TCDH010	3.5	33	SLT	DLL	SD
Kinsevere phase 2	TCDH010	33	38	CARS	SHC	SD
Kinsevere phase 2	TCDH010	38	44.099998	SHDL	DLH	SD
Kinsevere phase 2	TCDH010	44.099998	47.5	SHC		SD
Kinsevere phase 2	TCDH010	47.5	54	DLH	SHDL	SD
Kinsevere phase 2	TCDH010	54	55.099998	SHC		SD
Kinsevere phase 2	TCDH010	55.099998	59	SHC		SD
Kinsevere phase 2	TCDH010	59	81	SHC	CARS	SD
Kinsevere phase 2	TCDH010	81	83.599998	SHC	CARS	SD
Kinsevere phase 2	TCDH010	83.599998	94.300003	SLT	CARS	SD
Kinsevere phase 2	TCDH010	94.300003	114	SHDL	DLH	SD
Kinsevere phase 2	TCDH010	114	115.25	CARS	SHC	SD
Kinsevere phase 2	TCDH010	115.25	119.5	SHDL		SD
Kinsevere phase 2	TCDH010	119.5	122	CARS	DLC	SD
Kinsevere phase 2	TCDH010	122	150	SHC		SD
Kinsevere phase 2	TCDH010	150	154	SHC	DLC	CMN
Kinsevere phase 2	TCDH010	154	203.5	DLB	DLC	CMN
Kinsevere phase 2	TCDH010	203.5	216.82001	DLB		CMN
Kinsevere phase 2	TCDH010	216.82001	224.5	SHC		CMN
Kinsevere phase 2	TCDH010	224.5	234	DLB		CMN
Kinsevere phase 2	TCDH010	234	241.5	DLC	DLB	CMN
Kinsevere phase 2	TCDH010	241.5	244.5	DLM	DLC	CMN
Kinsevere phase 2	TCDH010	244.5	270.5	SHC	DLC	CMN
Kinsevere phase 2	TCDH010	270.5	280	DLL		CMN
Kinsevere phase 2	TCDH010	280	298.5	SHC	DLL	CMN
Kinsevere phase 2	TCDH010	298.5	312	SHC	DLC	CMN

Kinsevere phase 2	TCDH010	312	318	DLC	SHC	CMN
Kinsevere phase 2	TCDH010	318	319	DLM		CMN
Kinsevere phase 2	TCDH010	319	321.60001	HBX		CMN
Kinsevere phase 2	TCDH010	321.60001	322	MX		FZ
Kinsevere phase 2	TCDH010	322	324.60001	DLB		CMN
Kinsevere phase 2	TCDH010	324.60001	326.39999	DLB		CMN
Kinsevere phase 2	TCDH010	326.39999	327	SHR		FZ
Kinsevere phase 2	TCDH010	327	354	ARG	DARG	RAT
Kinsevere phase 2	TCDH011	0	5	SOL		OVB
Kinsevere phase 2	TCDH011	5	14	LAT	SP	OVB
Kinsevere phase 2	TCDH011	14	42.200001	DLB	SLT	CMN
Kinsevere phase 2	TCDH011	42.200001	59	DBX	DLB	CMN
Kinsevere phase 2	TCDH011	59	83.5	SHDL	DLB	CMN
Kinsevere phase 2	TCDH011	83.5	93.5	DLB		CMN
Kinsevere phase 2	TCDH011	93.5	106	SHA	SHDL	CMN
Kinsevere phase 2	TCDH011	106	107.2	BARG		RATB
Kinsevere phase 2	TCDH011	107.2	111.5	HBX		FZ
Kinsevere phase 2	TCDH011	111.5	125	DLB		CMN
Kinsevere phase 2	TCDH011	125	137	DLC	SHC	CMN
Kinsevere phase 2	TCDH011	137	139	DLM		CMN
Kinsevere phase 2	TCDH011	139	143	MUD		UNK
Kinsevere phase 2	TCDH011	143	153	DLB		CMN
Kinsevere phase 2	TCDH012	0	3.5	SOL		OVB
Kinsevere phase 2	TCDH012	3.5	5	SPR		OVB
Kinsevere phase 2	TCDH012	5	35.700001	SLT	DLM	SD
Kinsevere phase 2	TCDH012	35.700001	52	SLT	DLL	SD
Kinsevere phase 2	TCDH012	52	68.150002	DLM	DLL	SD
Kinsevere phase 2	TCDH012	68.150002	80	CARS	DLC	SD
Kinsevere phase 2	TCDH012	80	88	MUD	SHC	FZ
Kinsevere phase 2	TCDH012	88	95	DLC	DLL	SD
Kinsevere phase 2	TCDH012	95	98	NR		NR
Kinsevere phase 2	TCDH012	98	101	CARS		SD
Kinsevere phase 2	TCDH012	101	116	SLT		SD
Kinsevere phase 2	TCDH012	116	125	SHC	CARS	SD
Kinsevere phase 2	TCDH012	125	127.9	DLL	SHDL	SD
Kinsevere phase 2	TCDH012	127.9	131	DLL	CARS	FZ
Kinsevere phase 2	TCDH012	131	139.7	SLT		SD
Kinsevere phase 2	TCDH012	139.7	144.60001	DLH		SD
Kinsevere phase 2	TCDH012	144.60001	146	SLT	DLH	SD
Kinsevere phase 2	TCDH012	146	152	CARS		SD
Kinsevere phase 2	TCDH012	152	155	NR		NR
Kinsevere phase 2	TCDH012	155	158	DLH		UNK
Kinsevere phase 2	TCDH012	158	161	NR		NR
Kinsevere phase 2	TCDH012	161	162.2	SHDL	HBX	SD
Kinsevere phase 2	TCDH012	162.2	164	DBX		FZ
Kinsevere phase 2	TCDH012	164	166.89999	DLB		SD
Kinsevere phase 2	TCDH012	166.89999	186	DLC		SD
Kinsevere phase 2	TCDH012	186	187.66	DLB		SD
Kinsevere phase 2	TCDH012	187.66	187.8	HBX	FZ	RATB
Kinsevere phase 2	TCDH012	187.8	188	MX	DLM	FZ
Kinsevere phase 2	TCDH012	188	197.8	DLB		CMN
Kinsevere phase 2	TCDH012	197.8	239.56	DLC	SHC	CMN
Kinsevere phase 2	TCDH012	239.56	239.75999	SHR		FZ
Kinsevere phase 2	TCDH012	239.75999	242	DLB		SD
Kinsevere phase 2	TCDH012	242	249	DLC		SD
Kinsevere phase 2	TCDH012	249	253.5	DLC	DLM	SD
Kinsevere phase 2	TCDH012	253.5	256.5	DLM		SD
Kinsevere phase 2	TCDH012	256.5	261.60001	DLC	DLM	SD
Kinsevere phase 2	TCDH012	261.60001	262.5	DLS	DLM	SD
Kinsevere phase 2	TCDH012	262.5	263	MX	DLS	FZ
Kinsevere phase 2	TCDH012	263	269	MX		RATB
Kinsevere phase 2	TCDH012	269	281	DARG		RAT
Kinsevere phase 2	TCDH013	0	8	Dump		Dump

Kinsevere phase 2	TCDH013	8	13	DLM	MX	CMN
Kinsevere phase 2	TCDH013	13	26.6	MX		RATB
Kinsevere phase 2	TCDH013	26.6	35.599998	SHDL		SD
Kinsevere phase 2	TCDH013	35.599998	77.099998	SHA	DLH	SD
Kinsevere phase 2	TCDH013	77.099998	79	SHC		SD
Kinsevere phase 2	TCDH013	79	126.2	SHC	CARS	SD
Kinsevere phase 2	TCDH013	126.2	129.3	SHA	MX	FZ
Kinsevere phase 2	TCDH013	129.3	148.3	SHA		SD
Kinsevere phase 2	TCDH013	148.3	199	SHC		CMN
Kinsevere phase 2	TCDH013	199	217	SHC		CMN
Kinsevere phase 2	TCDH013	217	227.60001	DLB	DLM	CMN
Kinsevere phase 2	TCDH013	227.60001	265.45001	DLB		CMN
Kinsevere phase 2	TCDH013	265.45001	285.10001	DLB		CMN
Kinsevere phase 2	TCDH014	0	5	SOL	SP	OVB
Kinsevere phase 2	TCDH014	5	47	SHA	SHDL	SD
Kinsevere phase 2	TCDH014	47	59.099998	SHC		SD
Kinsevere phase 2	TCDH014	59.099998	77	SLT	SHA	SD
Kinsevere phase 2	TCDH014	77	80.199997	SHC		SD
Kinsevere phase 2	TCDH014	80.199997	90.5	SLT		SD
Kinsevere phase 2	TCDH014	90.5	105	SHC		SD
Kinsevere phase 2	TCDH014	105	117	SHC		SD
Kinsevere phase 2	TCDH014	117	119	SLT	DLH	SD
Kinsevere phase 2	TCDH014	119	125.6	ARG	SHA	RAT
Kinsevere phase 2	TCDH014	125.6	129.89999	ARG		RAT
Kinsevere phase 2	TCDH014	129.89999	133.95	ARG		RAT
Kinsevere phase 2	TCDH014	133.95	135.10001	VC	ARG	UNK
Kinsevere phase 2	TCDH014	135.10001	152.5	ARG		RRAT
Kinsevere phase 2	TCDH015	0	2	SOL		OVB
Kinsevere phase 2	TCDH015	2	6	SLT		SD
Kinsevere phase 2	TCDH015	6	21	SHDL	DLH	SD
Kinsevere phase 2	TCDH015	21	47	SLT	SHA	SD
Kinsevere phase 2	TCDH015	47	61	SHDL	DLB	SD
Kinsevere phase 2	TCDH015	61	86.599998	SHA		SD
Kinsevere phase 2	TCDH015	86.599998	90.599998	SHA	CF	SD
Kinsevere phase 2	TCDH015	90.599998	94.599998	DBX		FZ
Kinsevere phase 2	TCDH015	94.599998	97.300003	HBX	RATB	FZ
Kinsevere phase 2	TCDH015	97.300003	100	HBX	SHC	FZ
Kinsevere phase 2	TCDH015	100	122.6	RATB		FZ
Kinsevere phase 2	TCDH015	122.6	125.1	DBX		
Kinsevere phase 2	TCDH016	0	8	SOL		OVB
Kinsevere phase 2	TCDH016	8	18	SP	SPR	CMN
Kinsevere phase 2	TCDH016	18	23	DLM	DLB	CMN
Kinsevere phase 2	TCDH016	23	33.799999	SHA	SLT	CMN
Kinsevere phase 2	TCDH016	33.799999	49	SPR	DLM	CMN
Kinsevere phase 2	TCDH016	49	52	DLB		CMN
Kinsevere phase 2	TCDH016	52	55	SHDL	SHA	CMN
Kinsevere phase 2	TCDH016	55	65.400002	DLB	DLH	CMN
Kinsevere phase 2	TCDH016	65.400002	65.599998	RATB		FZ
Kinsevere phase 2	TCDH016	65.599998	72	DLM	DLB	CMN
Kinsevere phase 2	TCDH016	72	80	RATB	MEL	FZ
Kinsevere phase 2	TCDH016	80	88	HBX	DBX	FZ
Kinsevere phase 2	TCDH016	88	112.4	DBX	DLB	CMN
Kinsevere phase 2	TCDH017	0	9	SOL	SOL	CMN
Kinsevere phase 2	TCDH017	9	48	SLT	SHA	SD
Kinsevere phase 2	TCDH017	48	75	SLT	SHA	SD
Kinsevere phase 2	TCDH017A	0	9.6000004	SOL	LAT	OVB
Kinsevere phase 2	TCDH017A	9.6000004	20	SP	SPR	SD
Kinsevere phase 2	TCDH017A	20	49.5	SHA	SHDL	SD
Kinsevere phase 2	TCDH017A	49.5	59.200001	SHC	CARS	SD
Kinsevere phase 2	TCDH017A	59.200001	63.099998	SHC		SD
Kinsevere phase 2	TCDH017A	63.099998	66.800003	SHA	SHC	SD
Kinsevere phase 2	TCDH017A	66.800003	75	SHA		SD
Kinsevere phase 2	TCDH017A	75	79.400002	SHC	SHA	SD

Kinsevere phase 2	TCDH017A	79.400002	107.3	SHC		SD
Kinsevere phase 2	TCDH017A	107.3	110.18	SHDL	SHA	SD
Kinsevere phase 2	TCDH017A	110.18	130	SHC		SD
Kinsevere phase 2	TCDH017A	130	135	SHC	CARS	SD
Kinsevere phase 2	TCDH017A	135	151	SLT	SHA	SD
Kinsevere phase 2	TCDH017A	151	153.60001	DLL	DLH	RSF
Kinsevere phase 2	TCDH017A	153.60001	155.10001	NR		NR
Kinsevere phase 2	TCDH017A	155.10001	158.10001	DLB	SHDL	DSTR
Kinsevere phase 2	TCDH017A	158.10001	161.10001	ARG		GRAT
Kinsevere phase 2	TCDH018	0	3	SOL		OVB
Kinsevere phase 2	TCDH018	3	8.3000002	LAT		OVB
Kinsevere phase 2	TCDH018	8.3000002	14.1	SHDL		SD
Kinsevere phase 2	TCDH018	14.1	27.200001	CARS		SD
Kinsevere phase 2	TCDH018	27.200001	48.099998	SHDL	SLT	SD
Kinsevere phase 2	TCDH018	48.099998	64.800003	CARS	SHC	SD
Kinsevere phase 2	TCDH018	64.800003	66.599998	CARS		SD
Kinsevere phase 2	TCDH018	66.599998	77.300003	SHDL	DLH	SD
Kinsevere phase 2	TCDH018	77.300003	84.199997	SHDL	DLH	SD
Kinsevere phase 2	TCDH018	84.199997	116	SHC		SD
Kinsevere phase 2	TCDH018	116	124.7	SHC		SD
Kinsevere phase 2	TCDH018	124.7	155.60001	SLT	SHA	SD
Kinsevere phase 2	TCDH018	155.60001	156	SLT	SHA	RSF
Kinsevere phase 2	TCDH018	156	159.2	HBX		FZ
Kinsevere phase 2	TCDH018	159.2	159.60001	ARG		DSTR
Kinsevere phase 2	TCDH018	159.60001	164	ARG		GRAT
Kinsevere phase 2	TCDH018	164	167.60001	ARG		GRAT
Kinsevere phase 2	TCDH018	167.60001	180.2	ARG		RRAT
Kinsevere phase 2	TCDH019	0	6	SOL	LAT	OVB
Kinsevere phase 2	TCDH019	6	39.400002	SHDL		SD
Kinsevere phase 2	TCDH019	39.400002	42.5	SHC		SD
Kinsevere phase 2	TCDH019	42.5	45	SHDL		SD
Kinsevere phase 2	TCDH019	45	78	SHC		SD
Kinsevere phase 2	TCDH019	78	86.800003	SHC		SD
Kinsevere phase 2	TCDH019	86.800003	88.199997	SHA	SLT	SD
Kinsevere phase 2	TCDH019	88.199997	92	HBX	MX	FZ
Kinsevere phase 2	TCDH019	92	93	MX		RATB
Kinsevere phase 2	TCDH019	93	96	ARG		GRAT
Kinsevere phase 2	TCDH019	96	112	ARG		RRAT
Kinsevere phase 2	TCDH020	0	18	UNK		UNK
Kinsevere phase 2	TCDH020	18	35	DLB	DLL	CMN
Kinsevere phase 2	TCDH020	35	57.599998	DLB	DLL	CMN
Kinsevere phase 2	TCDH020	57.599998	61.650002	DBX		CMN
Kinsevere phase 2	TCDH020	61.650002	64	DLB		CMN
Kinsevere phase 2	TCDH020	64	74.199997	HBX	RATB	FZ
Kinsevere phase 2	TCDH020	74.199997	77	SLT	SHA	SD
Kinsevere phase 2	TCDH020	77	87.599998	HBX	MEL	FZ
Kinsevere phase 2	TCDH020	87.599998	99.599998	DLB	SHDL	CMN
Kinsevere phase 2	TCDH020	99.599998	101	NR		NR
Kinsevere phase 2	TCDH020	101	111.6	MEL	HBX	FZ
Kinsevere phase 2	TCDH020	111.6	126	SHA		CMN
Kinsevere phase 2	TCDH020	126	127.85	DLB		CMN
Kinsevere phase 2	TCDH021	0	6	SOL		OVB
Kinsevere phase 2	TCDH021	6	13	SPR		SD
Kinsevere phase 2	TCDH021	13	29.6	SHA	SLT	SD
Kinsevere phase 2	TCDH021	29.6	38	SHA	SLT	SD
Kinsevere phase 2	TCDH021	38	57.799999	SLT	SHDL	SD
Kinsevere phase 2	TCDH021	57.799999	98.300003	SHDL	SLT	SD
Kinsevere phase 2	TCDH021	98.300003	125	SLT	DLB	SD
Kinsevere phase 2	TCDH021	125	126.5	NR		NR
Kinsevere phase 2	TCDH021	126.5	131	DLB		CMN
Kinsevere phase 2	TCDH021	131	134	NR		NR
Kinsevere phase 2	TCDH021	134	138.5	DLB	HBX	CMN
Kinsevere phase 2	TCDH021	138.5	141	NR		NR

Kinsevere phase 2	TCDH021	141	159	DLB	HBX	CMN
Kinsevere phase 2	TCDH021	159	163	RATB	DLM	FZ
Kinsevere phase 2	TCDH021	163	170.5	DLB	DLM	CMN
Kinsevere phase 2	TCDH022	0	5.0999999	SOL		OVB
Kinsevere phase 2	TCDH022	5.0999999	7	SPR		SD
Kinsevere phase 2	TCDH022	7	29.950001	SHDL	SLT	SD
Kinsevere phase 2	TCDH022	29.950001	50.099998	SHC		SD
Kinsevere phase 2	TCDH022	50.099998	51.799999	SHC		SD
Kinsevere phase 2	TCDH022	51.799999	61.299999	SHA	SHC	SD
Kinsevere phase 2	TCDH022	61.299999	66	MX	SHDL	FZ
Kinsevere phase 2	TCDH022	66	109.8	SHA	SHDL	SD
Kinsevere phase 2	TCDH022	109.8	110.9	MX	SHA	FZ
Kinsevere phase 2	TCDH022	110.9	118	SHA		SD
Kinsevere phase 2	TCDH022	118	127	SHC		SD
Kinsevere phase 2	TCDH022	127	131.8	SHA	SLT	SD
Kinsevere phase 2	TCDH022	131.8	135	CARS		SD
Kinsevere phase 2	TCDH022	135	149.10001	DBX	MX	FZ
Kinsevere phase 2	TCDH022	149.10001	149.7	DLM		SD
Kinsevere phase 2	TCDH022	150.60001	165.5	SHA	SHDL	SD
Kinsevere phase 2	TCDH022	165.5	168.39999	MX	SHC	FZ
Kinsevere phase 2	TCDH022	168.39999	177.60001	DLB		CMN
Kinsevere phase 2	TCDH022	177.60001	180.60001	SHC		CMN
Kinsevere phase 2	TCDH022	180.60001	187	DLB		CMN
Kinsevere phase 2	TCDH022	187	194	CARS	DLC	CMN
Kinsevere phase 2	TCDH022	194	210.60001	DLB		CMN
Kinsevere phase 2	TCDH023	0	1	SOL		OVB
Kinsevere phase 2	TCDH023	1	51	SHDL	SHA	SD
Kinsevere phase 2	TCDH023	51	56.650002	SLT	SHA	SD
Kinsevere phase 2	TCDH023	56.650002	85	SHA	SHDL	SD
Kinsevere phase 2	TCDH023	85	96.5	DLM	SLT	SD
Kinsevere phase 2	TCDH023	96.5	98.599998	NR		NR
Kinsevere phase 2	TCDH023	98.599998	108.4	DLM	DLB	SD
Kinsevere phase 2	TCDH023	108.4	127	SHA		SD
Kinsevere phase 2	TCDH023	127	134.60001	CARS		SD
Kinsevere phase 2	TCDH023	134.60001	136.10001	NR		NR
Kinsevere phase 2	TCDH023	136.10001	138	FIL		UNK
Kinsevere phase 2	TCDH023	138	139	SHDL	HBX	SD
Kinsevere phase 2	TCDH023	139	142.8	CARS		SD
Kinsevere phase 2	TCDH023	142.8	145.10001	SHDL	DLB	DSTR
Kinsevere phase 2	TCDH023	145.10001	148.5	ARG		GRAT
Kinsevere phase 2	TCDH023	148.5	150	ARG		GRAT
Kinsevere phase 2	TCDH023	150	157.60001	ARG		RRAT
Kinsevere phase 2	TCDH023	157.60001	162	BARG		RATB
Kinsevere phase 2	TCDH023	162	176.60001	ARG		RAT
Kinsevere phase 2	TCDH024	0	6	SOL	SP	OVB
Kinsevere phase 2	TCDH024	6	18	SHA	SHDL	SD
Kinsevere phase 2	TCDH024	18	60.200001	SHA		SD
Kinsevere phase 2	TCDH024	60.200001	63.599998	SHC		SD
Kinsevere phase 2	TCDH024	63.599998	73	CARS	SHC	SD
Kinsevere phase 2	TCDH024	73	91	CARS	SHC	SD
Kinsevere phase 2	TCDH024	91	111.68	SHC		SD
Kinsevere phase 2	TCDH024	111.68	113.7	CF		UNK
Kinsevere phase 2	TCDH024	113.7	119.1	DBX		FZ
Kinsevere phase 2	TCDH024	119.1	129.5	SHC		CMN
Kinsevere phase 2	TCDH024	129.5	131.7	DLH		CMN
Kinsevere phase 2	TCDH024	131.7	134.39999	VC		UNK
Kinsevere phase 2	TCDH024	134.39999	140.10001	SHDL	SHA	CMN
Kinsevere phase 2	TCDH025	0	3.5	SOL		OVB
Kinsevere phase 2	TCDH025	3.5	30	DARG		RATB
Kinsevere phase 2	TCDH025	30	97.5	DARG		RRAT
Kinsevere phase 2	TCDH025	97.5	110	DARG		GRAT
Kinsevere phase 2	TCDH025	110	110.4	MUD		FZ
Kinsevere phase 2	TCDH025	110.4	110.75	DARG		GRAT

Kinsevere phase 2	TCDH025	110.75	111.5	DLB		SD
Kinsevere phase 2	TCDH025	111.5	123.7	SHA	SHDL	SD
Kinsevere phase 2	TCDH025	123.7	125.35	SHA		SD
Kinsevere phase 2	TCDH025	125.35	142.60001	SHC		SD
Kinsevere phase 2	TCDH025	142.60001	145.8	SHA		SD
Kinsevere phase 2	TCDH025	145.8	149.39999	SHC		SD
Kinsevere phase 2	TCDH025	149.39999	157	SHC		SD
Kinsevere phase 2	TCDH025	157	164	SHC	DLC	SD
Kinsevere phase 2	TCDH025	164	171.5	SHA		SD
Kinsevere phase 2	TCDH025	171.5	178.2	DBX		FZ
Kinsevere phase 2	TCDH025	178.2	187	SHC		SD
Kinsevere phase 2	TCDH025	187	212.7	SHC		SD
Kinsevere phase 2	TCDH026	0	3	SOL		OVB
Kinsevere phase 2	TCDH026	3	34	SHA		SD
Kinsevere phase 2	TCDH026	34	65.199997	SHA	SLT	SD
Kinsevere phase 2	TCDH026	65.199997	76.099998	SHDL	SLT	SD
Kinsevere phase 2	TCDH026	76.099998	87.5	CARS		SD
Kinsevere phase 2	TCDH026	87.5	92	SLT	SHA	SD
Kinsevere phase 2	TCDH026	92	93	CARS	SHC	SD
Kinsevere phase 2	TCDH026	93	112.5	SHC		SD
Kinsevere phase 2	TCDH026	112.5	120.5	SHC		SD
Kinsevere phase 2	TCDH026	120.5	126	HBX	ARG	FZ
Kinsevere phase 2	TCDH026	126	131	CF		UNK
Kinsevere phase 2	TCDH026	131	153.5	DBX	DLM	FZ
Kinsevere phase 2	TCDH027	0	0.37	SOL		OVB
Kinsevere phase 2	TCDH027	0.37	26.120001	ARG		GRAT
Kinsevere phase 2	TCDH027	26.120001	26.379999	MX		FZ
Kinsevere phase 2	TCDH027	26.379999	27.700001	DLB	SLT	DSTR
Kinsevere phase 2	TCDH027	27.700001	50.799999	ARG	DARG	GRAT
Kinsevere phase 2	TCDH027	50.799999	51.299999	MX		FZ
Kinsevere phase 2	TCDH027	51.299999	53	DLB		DSTR
Kinsevere phase 2	TCDH027	53	54.700001	DLH		RSF
Kinsevere phase 2	TCDH027	54.700001	84.400002	SLT	DLL	SD
Kinsevere phase 2	TCDH027	84.400002	92.199997	SLT	SHA	SD
Kinsevere phase 2	TCDH027	92.199997	101.2	CARS	SHC	SD
Kinsevere phase 2	TCDH027	101.2	167.2	SHC	CARS	SD
Kinsevere phase 2	TCDH027	167.2	174.7	SHC	CARS	SD
Kinsevere phase 2	TCDH027	174.7	178.55	DLC	SHDL	SD
Kinsevere phase 2	TCDH027	178.55	180.39999	DLB	DLM	SD
Kinsevere phase 2	TCDH027	180.39999	181.45	SHC		SD
Kinsevere phase 2	TCDH027	181.45	187.02	DLB	SHC	SD
Kinsevere phase 2	TCDH027	187.02	202.89999	SHC		SD
Kinsevere phase 2	TCDH027	202.89999	209.2	DLC	CARS	SD
Kinsevere phase 2	TCDH028	0	6	SOL		OVB
Kinsevere phase 2	TCDH028	6	41.299999	SLT	SHA	SD
Kinsevere phase 2	TCDH028	41.299999	71.199997	SHC	CARS	SD
Kinsevere phase 2	TCDH028	71.199997	79	SHC	CARS	SD
Kinsevere phase 2	TCDH028	79	90.699997	SHC	CARS	SD
Kinsevere phase 2	TCDH028	90.699997	92.199997	NR		
Kinsevere phase 2	TCDH028	92.199997	99.699997	DLB		SD
Kinsevere phase 2	TCDH028	99.699997	102.7	SLT		SD
Kinsevere phase 2	TCDH028	102.7	121.6	DLB	SLT	CMN
Kinsevere phase 2	TCDH028	121.6	126.7	DLM		CMN
Kinsevere phase 2	TCDH028	126.7	128.2	CARS		CMN
Kinsevere phase 2	TCDH028	128.2	141.7	DLB		CMN
Kinsevere phase 2	TCDH028	141.7	152.2	DLB		CMN
Kinsevere phase 2	TCDM001	0	9.6999998	SOL		SD
Kinsevere phase 2	TCDM001	9.6999998	17	SLT	DLM	CMN
Kinsevere phase 2	TCDM001	17	75.800003	SLT	SHA	CMN
Kinsevere phase 2	TCDM001	75.800003	85	SLT	DLM	CMN
Kinsevere phase 2	TCDM001	85	121.1	SLT	SHA	CMN
Kinsevere phase 2	TCDM002	0	26	SLT		NR
Kinsevere phase 2	TCDM002	26	39.599998	SLT		NR

Kinsevere phase 2	TCDM002	39.599998	43	SLT	DLS	NR	
Kinsevere phase 2	TCDM002	43	87.300003	SLT		NR	
Kinsevere phase 2	TCDM002	87.300003	100	SST	SHA	NR	
Kinsevere phase 2	TCDM002	100	104	SLT	SHA		R 23
Kinsevere phase 2	TCDM002	104	141.60001	SLT	DLM		R 23
Kinsevere phase 2	TCRC040	0	92	SHA		BXH	
Kinsevere phase 2	TCRC040	92	96	SLT		RRAT	
Kinsevere phase 2	TCRC040	96	106	SLT		RRAT	
Kinsevere phase 2	TCRC041	0	2	SHA		SD	
Kinsevere phase 2	TCRC041	2	54	SHA		CMN	
Kinsevere phase 2	TCRC041	54	91	CBL		CMN	
Kinsevere phase 2	TCRC042	0	2	SOL		GRAT	
Kinsevere phase 2	TCRC042	2	9	SLT		DSTR	
Kinsevere phase 2	TCRC042	9	18	DLH		RSF	
Kinsevere phase 2	TCRC042	18	26	DLS		SD	
Kinsevere phase 2	TCRC042	26	45	DLH		SD	
Kinsevere phase 2	TCRC042	45	74	SHA		SD	
Kinsevere phase 2	TCRC042	74	94	DLH		SD	
Kinsevere phase 2	TCRC042	94	142	SHA		CMN	
Kinsevere phase 2	TCRC042	142	151	CBL		CMN	
Kinsevere phase 2	TCRC043	0	5	SOL		CMN	
Kinsevere phase 2	TCRC043	5	30	SHA		CMN	
Kinsevere phase 2	TCRC043	30	96	CBL		CMN	
Kinsevere phase 2	TCRC044	0	10	SOL		CMN	
Kinsevere phase 2	TCRC044	10	120	CBL		CMN	
Kinsevere phase 2	TCRC045	0	1	SHA		CMN	
Kinsevere phase 2	TCRC045	1	113	CBL		CMN	
Kinsevere phase 2	TCRC046	0	7	SOL		CMN	
Kinsevere phase 2	TCRC046	7	95	CBL		CMN	
Kinsevere phase 2	TCRC047	0	13	SOL		CMN	
Kinsevere phase 2	TCRC047	13	100	CBL		CMN	
Kinsevere phase 2	TCRC048	0	8	SOL		SD	
Kinsevere phase 2	TCRC048	8	27	SHA		CMN	
Kinsevere phase 2	TCRC048	27	90	CBL		CMN	
Kinsevere phase 2	TCRC049	0	9	SOL		CMN	
Kinsevere phase 2	TCRC049	9	62	CBL		CMN	
Kinsevere phase 2	TCRC049	62	73	SHA		SD	
Kinsevere phase 2	TCRC049	73	78	SHA		SD	
Kinsevere phase 2	TCRC050	0	2	SOL		CMN	
Kinsevere phase 2	TCRC050	2	89	CBL		CMN	
Kinsevere phase 2	TCRC051	0	15	SOL		CMN	
Kinsevere phase 2	TCRC051	15	77	CBL		CMN	
Kinsevere phase 2	TCRC052	0	8	SOL		CMN	
Kinsevere phase 2	TCRC052	8	90	CBL		CMN	
Kinsevere phase 2	TCRC053	0	12	SOL		CMN	
Kinsevere phase 2	TCRC053	12	76	CBL		CMN	
Kinsevere phase 2	TCRC054	0	11	SOL		CMN	
Kinsevere phase 2	TCRC054	11	81	CBL		CMN	
Kinsevere phase 2	TCRC055	0	6	SOL		CMN	
Kinsevere phase 2	TCRC055	6	71	CBL		CMN	
Kinsevere phase 2	TCRC056	0	11	SOL		CMN	
Kinsevere phase 2	TCRC056	11	90	CBL		CMN	
Kinsevere phase 2	TCRC057	0	8	SOL		CMN	
Kinsevere phase 2	TCRC057	8	66	CBL		NR	
Kinsevere phase 2	TCRC057	66	67	NR		CMN	
Kinsevere phase 2	TCRC057	67	81	CMN		CMN	
Kinsevere phase 2	TCRC058	0	8	SOL		CMN	
Kinsevere phase 2	TCRC058	8	65	CBL		CMN	
Kinsevere phase 2	TCRC059	0	3	SOL		CMN	
Kinsevere phase 2	TCRC059	3	66	CBL		NR	
Kinsevere phase 2	TCRC059	66	69	NR		SD	
Kinsevere phase 2	TCRC059	69	90	SHA		SD	
Kinsevere phase 2	TCRC060	0	10	SOL		CMN	

Kinsevere phase 2	TCRC060	10	72	CBL	CMN
Kinsevere phase 2	TCRC061	0	1	NR	SOL
Kinsevere phase 2	TCRC061	1	4	SOL	CMN
Kinsevere phase 2	TCRC061	4	41	CBL	SD
Kinsevere phase 2	TCRC061	41	90	DLH	SD
Kinsevere phase 2	TCRC062	0	10	SOL	CMN
Kinsevere phase 2	TCRC062	10	53	CBL	SD
Kinsevere phase 2	TCRC062	53	81	DLH	SD
Kinsevere phase 2	TCRC063	0	7	SOL	CMN
Kinsevere phase 2	TCRC063	7	90	CBL	CMN
Kinsevere phase 2	TCRC064	0	8	SOL	SD
Kinsevere phase 2	TCRC064	8	26	SHA	BXH
Kinsevere phase 2	TCRC064	26	31	SLT	RRAT
Kinsevere phase 2	TCRC064	31	69	SLT	RRAT
Kinsevere phase 2	TCRC065	0	1	NR	SOL
Kinsevere phase 2	TCRC065	1	5	SOL	RRAT
Kinsevere phase 2	TCRC065	5	60	SLT	RRAT
Kinsevere phase 2	TCRC066	0	1	NR	SOL
Kinsevere phase 2	TCRC066	1	6	SOL	CMN
Kinsevere phase 2	TCRC066	6	10	CBL	RRAT
Kinsevere phase 2	TCRC066	10	60	SLT	RRAT
Kinsevere phase 2	TCRC067	0	8	SOL	RRAT
Kinsevere phase 2	TCRC067	8	60	SLT	RRAT
Kinsevere phase 2	TCRC068	0	1	NR	SOL
Kinsevere phase 2	TCRC068	1	4	SOL	RRAT
Kinsevere phase 2	TCRC068	4	50	SLT	RRAT
Kinsevere phase 2	TCRC069	0	1	NR	SOL
Kinsevere phase 2	TCRC069	1	7	SOL	CMN
Kinsevere phase 2	TCRC069	7	50	CBL	CMN
Kinsevere phase 2	TCRC070	0	1	NR	SD
Kinsevere phase 2	TCRC070	1	19	DLM	RSF
Kinsevere phase 2	TCRC070	19	21	DLM	DSTR
Kinsevere phase 2	TCRC070	21	23	DLM	GRAT
Kinsevere phase 2	TCRC070	23	25	DLM	BXH
Kinsevere phase 2	TCRC070	25	28	DLM	RRAT
Kinsevere phase 2	TCRC070	28	63	DLL	RRAT
Kinsevere phase 2	TCRC071	0	1	NR	SOL
Kinsevere phase 2	TCRC071	1	6	SOL	SD
Kinsevere phase 2	TCRC071	6	51	DLH	RSF
Kinsevere phase 2	TCRC071	51	53	DLH	DSTR
Kinsevere phase 2	TCRC071	53	56	DLH	GRAT
Kinsevere phase 2	TCRC071	56	59	SLT	BXH
Kinsevere phase 2	TCRC071	59	63	SLT	RRAT
Kinsevere phase 2	TCRC071	63	86	SLT	RRAT
Kinsevere phase 2	TCRC072	0	5	SOL	RRAT
Kinsevere phase 2	TCRC072	5	84	SLT	RRAT
Kinsevere phase 2	TCRC073	0	1	SOL	RRAT
Kinsevere phase 2	TCRC073	1	75	SST	RRAT
Kinsevere phase 2	TCRC074	0	1	NR	SOL
Kinsevere phase 2	TCRC074	1	7	SOL	RRAT
Kinsevere phase 2	TCRC074	7	75	SLT	RRAT
Kinsevere phase 2	TCRC075	0	75	SLT	RRAT
Kinsevere phase 2	TCRC076	0	90	SLT	RRAT
Kinsevere phase 2	TCRC077	0	8	SOL	RRAT
Kinsevere phase 2	TCRC077	8	50	SLT	RRAT
Kinsevere phase 2	TCRC078	0	1	NR	SOL
Kinsevere phase 2	TCRC078	1	11	SOL	RRAT
Kinsevere phase 2	TCRC078	11	42	SLT	RRAT
Kinsevere phase 2	TCRC079	0	3	SOL	RRAT
Kinsevere phase 2	TCRC079	3	42	SLT	RRAT
Kinsevere phase 2	TCRC080	0	42	SLT	RRAT
Kinsevere phase 2	TCRC081	0	45	SLT	RRAT
Kinsevere phase 2	TCRC082	0	36	SLT	RRAT

Kinsevere phase 2	TCRC083	0	36	SLT	RRAT
Kinsevere phase 2	TCRC084	0	1	NR	SOL
Kinsevere phase 2	TCRC084	1	10	SOL	RRAT
Kinsevere phase 2	TCRC084	10	36	SLT	RRAT
Kinsevere phase 2	TCRC085	0	2	NR	RRAT
Kinsevere phase 2	TCRC085	2	37	SLT	CMN
Kinsevere phase 2	TCRC085	37	50	SLT	CMN
Kinsevere phase 2	TCRC085	50	60	SOL	CMN
Kinsevere phase 2	TCRC086	0	18	SOL	RRAT
Kinsevere phase 2	TCRC086	18	60	SLT	RRAT
Kinsevere phase 2	TCRC087	0	3	SOL	NR
Kinsevere phase 2	TCRC087	3	6	NR	SOL
Kinsevere phase 2	TCRC087	6	12	SOL	RRAT
Kinsevere phase 2	TCRC087	12	81	SLT	RRAT
Kinsevere phase 2	TCRC088	0	3	SOL	NR
Kinsevere phase 2	TCRC088	3	5	NR	SOL
Kinsevere phase 2	TCRC088	5	12	SOL	RRAT
Kinsevere phase 2	TCRC088	12	66	SLT	RRAT
Kinsevere phase 2	TCRC089	0	2	NR	SOL
Kinsevere phase 2	TCRC089	2	3	SOL	NR
Kinsevere phase 2	TCRC089	3	7	NR	RRAT
Kinsevere phase 2	TCRC089	7	57	SLT	RRAT
Kinsevere phase 2	TCRC090	0	2	SOL	SD
Kinsevere phase 2	TCRC090	2	38	SHA	RSF
Kinsevere phase 2	TCRC090	38	40	SHA	DSTR
Kinsevere phase 2	TCRC090	40	43	SHA	GRAT
Kinsevere phase 2	TCRC090	43	47	SLT	BXH
Kinsevere phase 2	TCRC090	47	49	SLT	RRAT
Kinsevere phase 2	TCRC090	49	81	SLT	RRAT
Kinsevere phase 2	TCRC091	0	3	SOL	NR
Kinsevere phase 2	TCRC091	3	4	NR	SOL
Kinsevere phase 2	TCRC091	4	11	SOL	CMN
Kinsevere phase 2	TCRC091	11	81	CBL	CMN
Kinsevere phase 2	TCRC092	0	4	SOL	NR
Kinsevere phase 2	TCRC092	4	5	NR	SOL
Kinsevere phase 2	TCRC092	5	8	SOL	CMN
Kinsevere phase 2	TCRC092	8	66	CBL	CMN
Kinsevere phase 2	TCRC093	0	3	SOL	NR
Kinsevere phase 2	TCRC093	3	6	NR	SOL
Kinsevere phase 2	TCRC093	6	7	SOL	CMN
Kinsevere phase 2	TCRC093	7	9	SLT	CMN
Kinsevere phase 2	TCRC093	9	13	CBL	CMN
Kinsevere phase 2	TCRC093	13	31	SST	CMN
Kinsevere phase 2	TCRC093	31	34	CBL	CMN
Kinsevere phase 2	TCRC093	34	40	SST	CMN
Kinsevere phase 2	TCRC093	40	48	SLT	NR
Kinsevere phase 2	TCRC093	48	49	NR	CMN
Kinsevere phase 2	TCRC093	49	62	SLT	CMN
Kinsevere phase 2	TCRC093	62	84	CBL	CMN
Kinsevere phase 2	TCRC094	0	10	SOL	CMN
Kinsevere phase 2	TCRC094	10	15	SLT	CMN
Kinsevere phase 2	TCRC094	15	28	SST	CMN
Kinsevere phase 2	TCRC094	28	41	SHA	CMN
Kinsevere phase 2	TCRC094	41	45	CBL	CMN
Kinsevere phase 2	TCRC094	45	58	SLT	CMN
Kinsevere phase 2	TCRC094	58	81	SST	CMN
Kinsevere phase 2	TCRC095	0	3	SOL	NR
Kinsevere phase 2	TCRC095	3	6	NR	SOL
Kinsevere phase 2	TCRC095	6	12	SOL	CMN
Kinsevere phase 2	TCRC095	12	51	SST	CMN
Kinsevere phase 2	TCRC095	51	62	SLT	CMN
Kinsevere phase 2	TCRC095	62	66	CBL	CMN
Kinsevere phase 2	TCRC095	66	70	SST	CMN

Kinsevere phase 2	TCRC095	70	81	CBL	CMN
Kinsevere phase 2	TCRC096	0	10	SOL	CMN
Kinsevere phase 2	TCRC096	10	63	SLT	CMN
Kinsevere phase 2	TCRC097	0	11	SOL	CMN
Kinsevere phase 2	TCRC097	11	24	CBL	CMN
Kinsevere phase 2	TCRC097	24	44	SLT	CMN
Kinsevere phase 2	TCRC097	44	47	SST	CMN
Kinsevere phase 2	TCRC097	47	63	CBL	CMN
Kinsevere phase 2	TCRC098	0	3	SOL	NR
Kinsevere phase 2	TCRC098	3	6	NR	SOL
Kinsevere phase 2	TCRC098	6	16	SOL	CMN
Kinsevere phase 2	TCRC098	16	32	SLT	CMN
Kinsevere phase 2	TCRC098	32	66	CBL	CMN
Kinsevere phase 2	TCRC099	0	3	SOL	NR
Kinsevere phase 2	TCRC099	3	7	NR	CMN
Kinsevere phase 2	TCRC099	7	32	SLT	CMN
Kinsevere phase 2	TCRC099	32	43	SST	CMN
Kinsevere phase 2	TCRC099	43	50	SLT	CMN
Kinsevere phase 2	TCRC099	50	58	SST	CMN
Kinsevere phase 2	TCRC099	58	63	CBL	CMN
Kinsevere phase 2	TCRC100	0	3	SOL	NR
Kinsevere phase 2	TCRC100	3	6	NR	CMN
Kinsevere phase 2	TCRC100	6	25	SLT	CMN
Kinsevere phase 2	TCRC100	25	28	CBL	CMN
Kinsevere phase 2	TCRC100	28	37	SLT	CMN
Kinsevere phase 2	TCRC100	37	51	CBL	CMN
Kinsevere phase 2	TCRC101	0	14	SOL	RRAT
Kinsevere phase 2	TCRC101	14	45	SLT	RRAT
Kinsevere phase 2	TCRC102	0	3	SOL	NR
Kinsevere phase 2	TCRC102	3	4	NR	SOL
Kinsevere phase 2	TCRC102	4	12	SOL	RRAT
Kinsevere phase 2	TCRC102	12	39	SLT	RRAT
Kinsevere phase 2	TCRC103	0	6	SOL	RRAT
Kinsevere phase 2	TCRC103	6	53	SLT	GRAT
Kinsevere phase 2	TCRC103	53	60	SLT	GRAT
Kinsevere phase 2	TCRC104	0	4	SOL	RSF
Kinsevere phase 2	TCRC104	4	12	SHA	DSTR
Kinsevere phase 2	TCRC104	12	18	DLH	GRAT
Kinsevere phase 2	TCRC104	18	21	SLT	BXH
Kinsevere phase 2	TCRC104	21	26	SLT	RRAT
Kinsevere phase 2	TCRC104	26	60	SLT	RRAT
Kinsevere phase 2	TCRC105	0	3	SOL	RRAT
Kinsevere phase 2	TCRC105	3	30	SLT	RRAT
Kinsevere phase 2	TCRC106	0	4	SOL	SD
Kinsevere phase 2	TCRC106	4	12	SHA	RSF
Kinsevere phase 2	TCRC106	12	14	DLH	DSTR
Kinsevere phase 2	TCRC106	14	18	DLH	GRAT
Kinsevere phase 2	TCRC106	18	20	SLT	BXH
Kinsevere phase 2	TCRC106	20	26	SLT	RRAT
Kinsevere phase 2	TCRC106	26	48	SLT	RRAT
Kinsevere phase 2	TCRC107	0	4	SOL	RRAT
Kinsevere phase 2	TCRC107	4	30	SLT	RRAT
Kinsevere phase 2	TCRC108	0	4	SOL	RRAT
Kinsevere phase 2	TCRC108	4	102	SLT	RRAT
Kinsevere phase 2	TCRC109	0	8	SOL	
Kinsevere phase 2	TCRC109	8	22	UNK	RRAT
Kinsevere phase 2	TCRC109	22	79	UNK	GRAT
Kinsevere phase 2	TCRC109	79	96	UNK	DSTR
Kinsevere phase 2	TCRC109	96	104	UNK	RSF
Kinsevere phase 2	TCRC109	104	106	UNK	SD
Kinsevere phase 2	TCRC109	106	149	UNK	SD
Kinsevere phase 2	TCRC110				
Kinsevere phase 2	TCRC111				

Kinsevere phase 2	TCRC112				
Kinsevere phase 2	TCRC113				
Kinsevere phase 2	TCRC114				
Kinsevere phase 2	TCRC115				
Kinsevere phase 2	TCRC116	0	9	SOL	CMN
Kinsevere phase 2	TCRC116	9	72	SLT	CMN
Kinsevere phase 2	TCRC117	0	10	SOL	CMN
Kinsevere phase 2	TCRC117	10	78	SLT	CMN
Kinsevere phase 2	TCRC118	0	5	SOL	CMN
Kinsevere phase 2	TCRC118	5	52	SLT	CMN
Kinsevere phase 2	TCRC118	52	54	CBL	
Kinsevere phase 2	TCRC118	54	56	UNK	CMN
Kinsevere phase 2	TCRC118	56	82	SLT	CMN
Kinsevere phase 2	TCRC119	0	13	SOL	CMN
Kinsevere phase 2	TCRC119	13	26	CBL	CMN
Kinsevere phase 2	TCRC119	26	41	SLT	CMN
Kinsevere phase 2	TCRC119	41	51	CBL	CMN
Kinsevere phase 2	TCRC119	51	61	SLT	CMN
Kinsevere phase 2	TCRC119	61	75	CBL	CMN
Kinsevere phase 2	TCRC119	75	90	SLT	CMN
Kinsevere phase 2	TCRC120	0	1	SOL	CMN
Kinsevere phase 2	TCRC120	1	27	SHA	GRAT
Kinsevere phase 2	TCRC120	27	48	SLT	
Kinsevere phase 2	TCRC120	48	52	SLT	GRAT
Kinsevere phase 2	TCRC120	52	76	SLT	GRAT
Kinsevere phase 2	TCRC121	0	1	SLT	
Kinsevere phase 2	TCRC121	1	4	SOL	CMN
Kinsevere phase 2	TCRC121	4	22	SHA	CMN
Kinsevere phase 2	TCRC121	22	35	SST	CMN
Kinsevere phase 2	TCRC121	35	41	SHA	CMN
Kinsevere phase 2	TCRC121	41	44	SST	CMN
Kinsevere phase 2	TCRC121	44	75	SHA	CMN
Kinsevere phase 2	TCRC122	0	4	SOL	LAT
Kinsevere phase 2	TCRC122	4	11	FER	CMN
Kinsevere phase 2	TCRC122	11	55	SHA	CMN
Kinsevere phase 2	TCRC122	55	59	SLT	CMN
Kinsevere phase 2	TCRC122	59	66	SHA	CMN
Kinsevere phase 2	TCRC122	66	80	SLT	CMN
Kinsevere phase 2	TCRC123	0	75	SLT	NR
Kinsevere phase 2	TCRC123	75	77	NR	CMN
Kinsevere phase 2	TCRC123	77	79	SHA	CMN
Kinsevere phase 2	TCRC124	0	2	SOL	LAT
Kinsevere phase 2	TCRC124	2	10	FER	CMN
Kinsevere phase 2	TCRC124	10	75	SLT	CMN
Kinsevere phase 2	TCRC125	0	4	SOL	NR
Kinsevere phase 2	TCRC125	4	5	NR	CMN
Kinsevere phase 2	TCRC125	5	52	SLT	CMN
Kinsevere phase 2	TCRC126				
Kinsevere phase 2	TCRC127				
Kinsevere phase 2	TCRC128				
Kinsevere phase 2	TCRC129				
Kinsevere phase 2	TCRC130				
Kinsevere phase 2	TCRC131				
Kinsevere phase 2	TCRC132				
Kinsevere phase 2	TCRC133				
Kinsevere phase 2	TCRC134				
Kinsevere phase 2	TCRC135				
Kinsevere phase 2	TCRC136				
Kinsevere phase 2	TCRC137				
Kinsevere phase 2	TCRC138				
Kinsevere phase 2	TCRC139				
Kinsevere phase 2	TCRC140				
Kinsevere phase 2	TCRC141				

Kinsevere phase 2	TCRC142	0	100	SLT	DLL	RRAT
Kinsevere phase 2	TCRC143	0	51	SLT	DLL	RRAT
Kinsevere phase 2	TCRC143	51	101	SLT	SHA	CMN
Kinsevere phase 2	TCRC144	0	86	SLT	DLL	RRAT
Kinsevere phase 2	TCRC144	86	98	SLT	SHA	CMN
Kinsevere phase 2	TCRC144	98	120	SLT	DLL	RRAT
Kinsevere phase 2	TCRC145	0	10	SOL		SOL
Kinsevere phase 2	TCRC145	10	34	SST	DLL	SD
Kinsevere phase 2	TCRC145	34	42	SLT	DLL	SD
Kinsevere phase 2	TCRC145	42	45	SLT	DLL	SD
Kinsevere phase 2	TCRC145	45	61	SLT	DLL	SD
Kinsevere phase 2	TCRC146	0	4	NR		NR
Kinsevere phase 2	TCRC146	4	14	SOL		SD
Kinsevere phase 2	TCRC146	14	21	SLT		SD
Kinsevere phase 2	TCRC146	21	67	SLT		SD
Kinsevere phase 2	TCRC146	67	82	SST		SD
Kinsevere phase 2	TCRC146	82	94	SLT	DLL	SD
Kinsevere phase 2	TCRC146	94	100	SLT	DLL	SD
Kinsevere phase 2	TCRC147	0	9	NR		NR
Kinsevere phase 2	TCRC147	9	17	SST	CBM	CMN
Kinsevere phase 2	TCRC147	17	31	SLT	CBM	CMN
Kinsevere phase 2	TCRC147	31	39	SST	CBM	CMN
Kinsevere phase 2	TCRC147	39	78	SST	CBM	CMN
Kinsevere phase 2	TCRC147	78	84	SST	CBM	CMN
Kinsevere phase 2	TCRC147	84	87	SST	CBS	CMN
Kinsevere phase 2	TCRC147	87	88	NR		CMN
Kinsevere phase 2	TCRC147	88	89	SST	CBS	CMN
Kinsevere phase 2	TCRC147	89	90	NR		CMN
Kinsevere phase 2	TCRC147	90	93	SST	CBM	CMN
Kinsevere phase 2	TCRC147	93	107	SLT	CBM	CMN
Kinsevere phase 2	TCRC147	107	134	SST	CBM	CMN
Kinsevere phase 2	TCRC147	134	140	SST	CBS	CMN
Kinsevere phase 2	TCRC148	0	5	NR		NR
Kinsevere phase 2	TCRC148	5	7	SOL		SOL
Kinsevere phase 2	TCRC148	7	8	NR		NR
Kinsevere phase 2	TCRC148	8	17	SOL		SOL
Kinsevere phase 2	TCRC148	17	39	SST	CBM	CMN
Kinsevere phase 2	TCRC148	39	55	SLT	CBM	CMN
Kinsevere phase 2	TCRC148	55	78	SLT	CBM	CMN
Kinsevere phase 2	TCRC148	78	97	SLT	CBM	CMN
Kinsevere phase 2	TCRC148	97	117	SLT	CBM	CMN
Kinsevere phase 2	TCRC148	117	120	SLT	CBM	CMN
Kinsevere phase 2	TCRC149	0	5	NR		NR
Kinsevere phase 2	TCRC149	5	23	SOL		SOL
Kinsevere phase 2	TCRC149	23	61	SST	CBS	CMN
Kinsevere phase 2	TCRC150	0	4	NR		NR
Kinsevere phase 2	TCRC150	4	16	SOL		SOL
Kinsevere phase 2	TCRC150	16	53	SLT		GRAT
Kinsevere phase 2	TFDM001	0	1.8	SOL		OVB
Kinsevere phase 2	TFDM001	1.8	3	LAT		OVB
Kinsevere phase 2	TFDM001	3	4.5999999	DLM	SPR	SD
Kinsevere phase 2	TFDM001	4.5999999	6.8499999	SHDL		SD
Kinsevere phase 2	TFDM001	6.8499999	63.23	UNK		SD
Kinsevere phase 2	TFDM001	63.23	64.849998	SHA		SD
Kinsevere phase 2	TFDM001	64.849998	66.5	SHC		SD
Kinsevere phase 2	TFDM001	66.5	76.099998	SHC		SD
Kinsevere phase 2	TFDM001	76.099998	80.599998	SHA		SD
Kinsevere phase 2	TFDM001	80.599998	82.199997	SHC	CARS	SD
Kinsevere phase 2	TFDM001	82.199997	95.480003	UNK		UNK
Kinsevere phase 2	TFDM001	95.480003	95.599998	ARG		GRAT
Kinsevere phase 2	TFDM001	95.599998	129.60001	ARG		GRAT
Kinsevere phase 3	KPAC076	0	20	SOL		SOL
Kinsevere phase 3	KPAC076	20	30	UNK		GRAT

Kinsevere phase 3	KPAC076	30	32	SST	RRAT
Kinsevere phase 3	KPAC076	32	51	SLT	RRAT
Kinsevere phase 3	KPAC077	0	1	SOL	SOL
Kinsevere phase 3	KPAC077	1	4	SOL	SOL
Kinsevere phase 3	KPAC077	4	7	SOL	CMN
Kinsevere phase 3	KPAC077	7	11	CBL	CMN
Kinsevere phase 3	KPAC077	11	19	CBL	CMN
Kinsevere phase 3	KPAC077	19	30	CBM	CMN
Kinsevere phase 3	KPAC077	30	44	CBM	CMN
Kinsevere phase 3	KPAC077	44	50	CBM	CMN
Kinsevere phase 3	KPAC077	50	60	CBM	CMN
Kinsevere phase 3	KPAC078	0	1	SOL	SOL
Kinsevere phase 3	KPAC078	1	4	SOL	SOL
Kinsevere phase 3	KPAC078	4	6	SOL	CMN
Kinsevere phase 3	KPAC078	6	10	SLT	CMN
Kinsevere phase 3	KPAC078	10	15	SLT	CMN
Kinsevere phase 3	KPAC078	15	25	SLT	CMN
Kinsevere phase 3	KPAC078	25	31	CBM	CMN
Kinsevere phase 3	KPAC078	31	34	CBM	CMN
Kinsevere phase 3	KPAC078	34	56	CBM	CMN
Kinsevere phase 3	KPAC078	56	65	CBM	CMN
Kinsevere phase 3	KPAC079	0	3	SOL	SOL
Kinsevere phase 3	KPAC079	3	5	SOL	CMN
Kinsevere phase 3	KPAC079	5	9	SLT	CMN
Kinsevere phase 3	KPAC079	9	10	SLT	CMN
Kinsevere phase 3	KPAC079	10	15	SLT	CMN
Kinsevere phase 3	KPAC079	15	17	CBL	CMN
Kinsevere phase 3	KPAC079	17	20	SLT	CMN
Kinsevere phase 3	KPAC079	20	25	CBL	CMN
Kinsevere phase 3	KPAC079	25	50	SLT	CMN
Kinsevere phase 3	KPAC080	0	2	SOL	CMN
Kinsevere phase 3	KPAC080	2	6	SLT	CMN
Kinsevere phase 3	KPAC080	6	40	SLT	CMN
Kinsevere phase 3	KPAC081	0	16	SHA	SD
Kinsevere phase 3	KPAC081	16	29	SHA	SD
Kinsevere phase 3	KPAC081	29	39	SHA	SD
Kinsevere phase 3	KPAC082	0	3	SOL	SD
Kinsevere phase 3	KPAC082	3	35	SHA	SD
Kinsevere phase 3	KPAC082	35	40	SHA	SD
Kinsevere phase 3	KPAC082	40	42	SHA	SD
Kinsevere phase 3	KPAC082	42	44	SHA	SD
Kinsevere phase 3	KPAC082	44	50	SHA	SD
Kinsevere phase 3	KPAC083	0	2	SOL	SOL
Kinsevere phase 3	KPAC083	2	4	SLT	SD
Kinsevere phase 3	KPAC083	4	13	SHA	SD
Kinsevere phase 3	KPAC083	14	28	SHA	SD
Kinsevere phase 3	KPAC084	0	2	SOL	SOL
Kinsevere phase 3	KPAC084	2	4	UNK	CMN
Kinsevere phase 3	KPAC084	4	5	UNK	CMN
Kinsevere phase 3	KPAC084	5	11	SLT	CMN
Kinsevere phase 3	KPAC084	11	13	SLT	CMN
Kinsevere phase 3	KPAC084	13	23	SLT	CMN
Kinsevere phase 3	KPAC084	23	30	SLT	CMN
Kinsevere phase 3	KPAC084	30	32	SLT	CMN
Kinsevere phase 3	KPAC084	32	40	SLT	CMN
Kinsevere phase 3	KPAC084	40	42	SLT	CMN
Kinsevere phase 3	KPAC085	0	1	SOL	CMN
Kinsevere phase 3	KPAC085	1	7	SHA	CMN
Kinsevere phase 3	KPAC085	7	12	CBL	CMN
Kinsevere phase 3	KPAC085	12	15	CBL	CMN
Kinsevere phase 3	KPAC085	15	20	CBL	CMN
Kinsevere phase 3	KPAC085	20	25	CBL	CMN
Kinsevere phase 3	KPAC085	25	26	CBL	CMN

Kinsevere phase 3	KPAC085	26	28	CBL	CMN
Kinsevere phase 3	KPAC085	28	29	CBL	RRAT
Kinsevere phase 3	KPAC085	29	49	SLT	RRAT
Kinsevere phase 3	KPAC086	0	3	SOL	CMN
Kinsevere phase 3	KPAC086	3	10	CBL	RRAT
Kinsevere phase 3	KPAC086	10	17	SLT	RRAT
Kinsevere phase 3	KPAC086	17	35	SLT	RRAT
Kinsevere phase 3	KPAC086	35	38	SLT	RRAT
Kinsevere phase 3	KPAC086	38	42	SLT	RRAT
Kinsevere phase 3	KPAC086	42	49	SLT	RRAT
Kinsevere phase 3	KPAC086	49	60	SLT	RRAT
Kinsevere phase 3	KPAC087	0	2	SOL	RRAT
Kinsevere phase 3	KPAC087	2	10	SLT	RRAT
Kinsevere phase 3	KPAC087	10	18	SLT	RRAT
Kinsevere phase 3	KPAC087	18	27	SLT	RRAT
Kinsevere phase 3	KPAC087	27	29	SLT	RRAT
Kinsevere phase 3	KPAC087	29	40	SLT	RRAT
Kinsevere phase 3	KPAC088	0	1	SOL	DSTR
Kinsevere phase 3	KPAC088	1	2	DLL	DSTR
Kinsevere phase 3	KPAC088	2	4	SOL	DSTR
Kinsevere phase 3	KPAC088	4	5	DLL	DSTR
Kinsevere phase 3	KPAC088	5	6	SOL	DSTR
Kinsevere phase 3	KPAC088	6	7	DLL	DSTR
Kinsevere phase 3	KPAC088	7	13	SOL	DSTR
Kinsevere phase 3	KPAC088	13	18	DLL	DSTR
Kinsevere phase 3	KPAC088	18	19	SOL	DSTR
Kinsevere phase 3	KPAC088	19	20	DLL	GRAT
Kinsevere phase 3	KPAC088	20	40	SLT	GRAT
Kinsevere phase 3	KPAC089	0	1	SOL	SD
Kinsevere phase 3	KPAC089	1	10	SHA	SD
Kinsevere phase 3	KPAC089	10	20	SHA	SD
Kinsevere phase 3	KPAC089	21	23	SHA	SD
Kinsevere phase 3	KPAC089	23	24	SHA	SD
Kinsevere phase 3	KPAC089	24	25	SHA	SD
Kinsevere phase 3	KPAC089	25	26	SHA	SD
Kinsevere phase 3	KPAC089	26	28	SHA	SD
Kinsevere phase 3	KPAC089	28	29	SHA	SD
Kinsevere phase 3	KPAC089	29	36	SHA	SD
Kinsevere phase 3	KPAC090	0	1	SOL	SOL
Kinsevere phase 3	KPAC090	1	3	SOL	SOL
Kinsevere phase 3	KPAC090	3	4	SOL	SD
Kinsevere phase 3	KPAC090	4	5	SHA	SD
Kinsevere phase 3	KPAC090	5	7	SHA	SD
Kinsevere phase 3	KPAC090	7	10	SHA	SD
Kinsevere phase 3	KPAC090	10	12	SHA	SD
Kinsevere phase 3	KPAC090	12	14	SHA	SD
Kinsevere phase 3	KPAC090	14	17	SHA	SD
Kinsevere phase 3	KPAC090	17	18	SHA	SD
Kinsevere phase 3	KPAC090	18	21	SHA	SD
Kinsevere phase 3	KPAC090	21	23	SHA	SD
Kinsevere phase 3	KPAC090	24	30	SHA	SD
Kinsevere phase 3	KPAC090	30	35	SHA	SD
Kinsevere phase 3	KPAC090	35	37	SHA	SD
Kinsevere phase 3	KPAC090	37	48	SHA	SD
Kinsevere phase 3	KPAC090	48	49	SHA	SD
Kinsevere phase 3	KPAC090	49	51	SHA	SD
Kinsevere phase 3	KPAC091	0	1	SOL	SOL
Kinsevere phase 3	KPAC091	1	3	SOL	SD
Kinsevere phase 3	KPAC091	3	11	SHA	SD
Kinsevere phase 3	KPAC091	11	13	SHA	SD
Kinsevere phase 3	KPAC091	13	16	SHA	SD
Kinsevere phase 3	KPAC091	16	18	SHA	SD
Kinsevere phase 3	KPAC091	18	24	SHA	SD

Kinsevere phase 3	KPAC091	24	25	SHA	SD
Kinsevere phase 3	KPAC091	25	34	SHA	SD
Kinsevere phase 3	KPAC091	34	36	SHA	SD
Kinsevere phase 3	KPAC091	36	45	SHA	SD
Kinsevere phase 3	KPAC092	0	1	SOL	SOL
Kinsevere phase 3	KPAC092	1	3	SOL	CMN
Kinsevere phase 3	KPAC092	3	14	SLT	CMN
Kinsevere phase 3	KPAC092	14	30	SLT	CMN
Kinsevere phase 3	KPAC092	30	34	SLT	CMN
Kinsevere phase 3	KPAC092	34	47	SLT	CMN
Kinsevere phase 3	KPAC092	47	51	SLT	CMN
Kinsevere phase 3	KPAC093	0	2	SOL	CMN
Kinsevere phase 3	KPAC093	2	8	SLT	CMN
Kinsevere phase 3	KPAC093	8	12	SLT	CMN
Kinsevere phase 3	KPAC093	12	24	SLT	CMN
Kinsevere phase 3	KPAC093	24	26	SLT	CMN
Kinsevere phase 3	KPAC093	26	33	SLT	CMN
Kinsevere phase 3	KPAC093	33	50	SLT	CMN
Kinsevere phase 3	KPAC094	0	1	SOL	CMN
Kinsevere phase 3	KPAC094	1	8	SLT	CMN
Kinsevere phase 3	KPAC094	8	14	SLT	CMN
Kinsevere phase 3	KPAC094	14	22	SLT	CMN
Kinsevere phase 3	KPAC094	22	26	SLT	CMN
Kinsevere phase 3	KPAC094	26	30	SLT	CMN
Kinsevere phase 3	KPAC095	0	1	SOL	CMN
Kinsevere phase 3	KPAC095	1	7	SLT	CMN
Kinsevere phase 3	KPAC095	7	11	SLT	CMN
Kinsevere phase 3	KPAC095	11	14	SLT	CMN
Kinsevere phase 3	KPAC095	14	25	SLT	CMN
Kinsevere phase 3	KPAC095	25	27	SLT	CMN
Kinsevere phase 3	KPAC095	27	33	SLT	CMN
Kinsevere phase 3	KPAC095	33	37	SST	CMN
Kinsevere phase 3	KPAC095	37	42	SLT	CMN
Kinsevere phase 3	KPAC095	42	45	SST	CMN
Kinsevere phase 3	KPAC096	0	7	SOL	CMN
Kinsevere phase 3	KPAC096	7	12	SLT	CMN
Kinsevere phase 3	KPAC096	12	18	SST	CMN
Kinsevere phase 3	KPAC096	18	35	SLT	CMN
Kinsevere phase 3	KPAC096	35	53	SLT	CMN
Kinsevere phase 3	KPAC097	0	4	SOL	SOL
Kinsevere phase 3	KPAC097	4	8	SOl	CMN
Kinsevere phase 3	KPAC097	8	47	SLT	CMN
Kinsevere phase 3	KPAC097	47	53	SST	CMN
Kinsevere phase 3	KPAC098	0	2	SOL	SOL
Kinsevere phase 3	KPAC098	2	3	UNK	CMN
Kinsevere phase 3	KPAC098	3	9	SST	CMN
Kinsevere phase 3	KPAC098	9	36	SLT	CMN
Kinsevere phase 3	KPAC098	36	50	SST	CMN
Kinsevere phase 3	KPAC099	0	3	SOL	SOL
Kinsevere phase 3	KPAC099	3	4	SOL	CMN
Kinsevere phase 3	KPAC099	4	15	SLT	RRAT
Kinsevere phase 3	KPAC099	15	32	SLT	RRAT
Kinsevere phase 3	KPAC099	32	51	SLT	RRAT
Kinsevere phase 3	KPAC100	0	5	SOL	SOL
Kinsevere phase 3	KPAC100	5	12	SOL	RRAT
Kinsevere phase 3	KPAC100	12	18	SLT	RRAT
Kinsevere phase 3	KPAC100	18	45	SLT	RRAT
Kinsevere phase 3	KPAC101	0	1	SOL	SOL
Kinsevere phase 3	KPAC101	1	12	SOl	RRAT
Kinsevere phase 3	KPAC101	12	29	SLT	RRAT
Kinsevere phase 3	KPAC101	29	32	SLT	RRAT
Kinsevere phase 3	KPAC102	0	8	SOL	RRAT
Kinsevere phase 3	KPAC102	8	39	SLT	RRAT

Kinsevere phase 3	KPAC103	0	15	SOL	GRAT
Kinsevere phase 3	KPAC103	15	39	SLT	GRAT
Kinsevere phase 3	KPAC104	0	8	SOL	DSTR
Kinsevere phase 3	KPAC104	8	20	SLT	DSTR
Kinsevere phase 3	KPAC104	20	45	CBL	RSF
Kinsevere phase 3	KPAC104	45	48	PHY	RSF
Kinsevere phase 3	KPAC105	0	4	SOL	SOL
Kinsevere phase 3	KPAC105	4	5	SOL	SD
Kinsevere phase 3	KPAC105	5	7	SLT	SD
Kinsevere phase 3	KPAC105	7	10	SLT	SD
Kinsevere phase 3	KPAC105	10	44	SLT	SD
Kinsevere phase 3	KPAC105	44	46	SST	SD
Kinsevere phase 3	KPAC105	46	69	SLT	SD
Kinsevere phase 3	KPAC106	0	3	SOL	SD
Kinsevere phase 3	KPAC106	3	14	SLT	SD
Kinsevere phase 3	KPAC106	14	25	SLT	SD
Kinsevere phase 3	KPAC106	25	36	SLT	SD
Kinsevere phase 3	KPAC106	36	38	SLT	SD
Kinsevere phase 3	KPAC107	0	2	SOL	SD
Kinsevere phase 3	KPAC107	2	13	SLT	SD
Kinsevere phase 3	KPAC107	13	18	SST	SD
Kinsevere phase 3	KPAC107	18	45	SLT	SD
Kinsevere phase 3	KPAC107	45	46	SLT	SD
Kinsevere phase 3	KPAC107	47	50	SLT	SD
Kinsevere phase 3	KPAC107	50	51	SLT	SD
Kinsevere phase 3	KPAC108	0	5	SOL	SD
Kinsevere phase 3	KPAC108	5	16	SLT	SD
Kinsevere phase 3	KPAC108	16	21	SLT	SD
Kinsevere phase 3	KPAC108	21	31	SLT	SD
Kinsevere phase 3	KPAC108	31	39	SLT	SD
Kinsevere phase 3	KPAC108	39	44	SLT	CMN
Kinsevere phase 3	KPAC108	44	50	SLT	CMN
Kinsevere phase 3	KPAC108	50	54	SLT	CMN
Kinsevere phase 3	KPAC108	54	59	SST	CMN
Kinsevere phase 3	KPAC109	0	2	SOL	CMN
Kinsevere phase 3	KPAC109	2	15	SST	CMN
Kinsevere phase 3	KPAC109	15	24	SST	CMN
Kinsevere phase 3	KPAC109	24	47	SLT	CMN
Kinsevere phase 3	KPAC110	0	2	SOL	SOL
Kinsevere phase 3	KPAC110	2	8	SOL	CMN
Kinsevere phase 3	KPAC110	8	60	SLT	CMN
Kinsevere phase 3	KPAC110	60	63	SST	CMN
Kinsevere phase 3	KPAC111	0	3	SOL	SOL
Kinsevere phase 3	KPAC111	3	6	SOL	SOL
Kinsevere phase 3	KPAC111	6	17	CBS	CMN
Kinsevere phase 3	KPAC111	17	40	SLT	CMN
Kinsevere phase 3	KPAC111	40	41	CBS	CMN
Kinsevere phase 3	KPAC111	41	45	SLT	CMN
Kinsevere phase 3	KPAC112	0	2	SOL	SOL
Kinsevere phase 3	KPAC112	2	4	SOL	CMN
Kinsevere phase 3	KPAC112	4	27	CBS	CMN
Kinsevere phase 3	KPAC112	27	42	SST	CMN
Kinsevere phase 3	KPAC112	42	43	CBL	CMN
Kinsevere phase 3	KPAC112	43	44	SST	CMN
Kinsevere phase 3	KPAC112	44	62	SST	CMN
Kinsevere phase 3	KPAC113	0	3	SOL	SOL
Kinsevere phase 3	KPAC113	3	7	SOL	SOL
Kinsevere phase 3	KPAC113	7	8	SOL	CMN
Kinsevere phase 3	KPAC113	8	10	CBL	CMN
Kinsevere phase 3	KPAC113	10	18	SST	CMN
Kinsevere phase 3	KPAC114	0	4	SOL	SOL
Kinsevere phase 3	KPAC114	4	9	SOL	CMN
Kinsevere phase 3	KPAC114	9	14	SST	CMN

Kinsevere phase 3	KPAC114	14	16	SST	CMN
Kinsevere phase 3	KPAC114	16	32	SST	CMN
Kinsevere phase 3	KPAC114	32	41	SST	CMN
Kinsevere phase 3	KPAC114	41	43	SST	CMN
Kinsevere phase 3	KPAC114	43	45	UNK	CMN
Kinsevere phase 3	KPAC114	45	46	SST	CMN
Kinsevere phase 3	KPAC114	46	47	SLT	CMN
Kinsevere phase 3	KPAC114	47	50	SST	CMN
Kinsevere phase 3	KPAC115	0	5	SOL	CMN
Kinsevere phase 3	KPAC115	5	21	CBS	CMN
Kinsevere phase 3	KPAC116	0	6	SOL	SOL
Kinsevere phase 3	KPAC116	6	10	SOL	CMN
Kinsevere phase 3	KPAC116	10	42	SST	CMN
Kinsevere phase 3	KPAC116	42	50	SLT	CMN
Kinsevere phase 3	KPAC117	0	3	SOL	SOL
Kinsevere phase 3	KPAC117	3	8	SOL	CMN
Kinsevere phase 3	KPAC117	8	50	SST	CMN
Kinsevere phase 3	KPAC117	50	54	SST	CMN
Kinsevere phase 3	KPAC117	54	57	SLT	CMN
Kinsevere phase 3	KPAC118	0	7	SOL	CMN
Kinsevere phase 3	KPAC118	7	12	SLT	CMN
Kinsevere phase 3	KPAC118	12	48	SLT	CMN
Kinsevere phase 3	KPAC119	0	7	SOL	CMN
Kinsevere phase 3	KPAC119	7	48	SLT	CMN
Kinsevere phase 3	KPAC119	48	60	SST	CMN
Kinsevere phase 3	KPAC120	0	7	SOL	RRAT
Kinsevere phase 3	KPAC120	7	14	SLT	RRAT
Kinsevere phase 3	KPAC120	14	18	SLT	RRAT
Kinsevere phase 3	KPAC120	18	25	SLT	RRAT
Kinsevere phase 3	KPAC120	25	45	SLT	RRAT
Kinsevere phase 3	KPAC121	0	19	SOL	RRAT
Kinsevere phase 3	KPAC121	19	35	SLT	RRAT
Kinsevere phase 3	KPAC122	0	6	SOL	GRAT
Kinsevere phase 3	KPAC122	6	16	SLT	GRAT
Kinsevere phase 3	KPAC122	16	43	SLT	GRAT
Kinsevere phase 3	KPAC123	0	7	SOL	GRAT
Kinsevere phase 3	KPAC123	7	11	SLT	GRAT
Kinsevere phase 3	KPAC123	11	15	SLT	GRAT
Kinsevere phase 3	KPAC123	15	30	SLT	DSTR
Kinsevere phase 3	KPAC123	30	32	CBM	DSTR
Kinsevere phase 3	KPAC123	32	35	CBH	DSTR
Kinsevere phase 3	KPAC123	35	38	SLT	DSTR
Kinsevere phase 3	KPAC123	38	45	SST	DSTR
Kinsevere phase 3	KPAC124	0	4	SOL	RSF
Kinsevere phase 3	KPAC124	4	10	SLT	RSF
Kinsevere phase 3	KPAC124	10	18	SLT	SD
Kinsevere phase 3	KPAC124	18	26	SLT	SD
Kinsevere phase 3	KPAC124	26	30	SLT	SD
Kinsevere phase 3	KPAC124	30	33	SLT	SD
Kinsevere phase 3	KPAC124	33	40	SLT	SD
Kinsevere phase 3	KPAC124	40	42	SLT	SD
Kinsevere phase 3	KPAC124	42	49	SST	SD
Kinsevere phase 3	KPAC124	49	50	SLT	SD
Kinsevere phase 3	KPAC125	0	7	SOL	SD
Kinsevere phase 3	KPAC125	7	18	SLT	SD
Kinsevere phase 3	KPAC125	18	21	SLT	SD
Kinsevere phase 3	KPAC125	21	30	SLT	SD
Kinsevere phase 3	KPAC125	30	36	SLT	SD
Kinsevere phase 3	KPAC125	36	43	SLT	SD
Kinsevere phase 3	KPAC126	0	3	SOL	SD
Kinsevere phase 3	KPAC126	3	14	SLT	SD
Kinsevere phase 3	KPAC126	14	20	SLT	SD
Kinsevere phase 3	KPAC126	20	46	SLT	CMN

Kinsevere phase 3	KPAC126	46	48	SLT	CMN
Kinsevere phase 3	KPAC127	0	2	SOL	SOL
Kinsevere phase 3	KPAC127	2	4	SOL	SD
Kinsevere phase 3	KPAC127	4	11	SLT	CMN
Kinsevere phase 3	KPAC127	11	26	SLT	CMN
Kinsevere phase 3	KPAC128	0	4	SOL	CMN
Kinsevere phase 3	KPAC128	4	15	SLT	CMN
Kinsevere phase 3	KPAC128	15	28	SLT	CMN
Kinsevere phase 3	KPAC128	28	29	SLT	CMN
Kinsevere phase 3	KPAC128	29	36	SST	CMN
Kinsevere phase 3	KPAC129	0	4	SOL	SOL
Kinsevere phase 3	KPAC129	4	10	SOL	CMN
Kinsevere phase 3	KPAC129	10	18	SLT	CMN
Kinsevere phase 3	KPAC129	18	21	SLT	CMN
Kinsevere phase 3	KPAC129	21	24	SLT	CMN
Kinsevere phase 3	KPAC129	24	30	SST	CMN
Kinsevere phase 3	KPAC129	31	65	SST	CMN
Kinsevere phase 3	KPAC130	0	4	SOL	SOL
Kinsevere phase 3	KPAC130	4	5	SOL	CMN
Kinsevere phase 3	KPAC130	5	10	CBS	CMN
Kinsevere phase 3	KPAC130	10	12	SLT	CMN
Kinsevere phase 3	KPAC130	12	50	CBH	CMN
Kinsevere phase 3	KPAC130	50	53	SST	CMN
Kinsevere phase 3	KPAC130	53	76	SLT	CMN
Kinsevere phase 3	KPAC131	0	3	SOL	SOL
Kinsevere phase 3	KPAC131	3	7	SOL	CMN
Kinsevere phase 3	KPAC131	7	14	CBS	CMN
Kinsevere phase 3	KPAC131	14	16	SLT	CMN
Kinsevere phase 3	KPAC131	16	48	SST	CMN
Kinsevere phase 3	KPAC131	48	49	SST	CMN
Kinsevere phase 3	KPAC131	49	61	SST	CMN
Kinsevere phase 3	KPAC132	0	3	SOL	SOL
Kinsevere phase 3	KPAC132	3	7	SOL	CMN
Kinsevere phase 3	KPAC132	7	16	SST	CMN
Kinsevere phase 3	KPAC132	16	19	SST	CMN
Kinsevere phase 3	KPAC132	19	20	SST	CMN
Kinsevere phase 3	KPAC132	20	22	SST	CMN
Kinsevere phase 3	KPAC132	22	24	SST	CMN
Kinsevere phase 3	KPAC132	24	27	SST	CMN
Kinsevere phase 3	KPAC132	27	29	SST	CMN
Kinsevere phase 3	KPAC132	29	31	SLT	CMN
Kinsevere phase 3	KPAC132	31	40	SST	CMN
Kinsevere phase 3	KPAC132	40	44	SST	CMN
Kinsevere phase 3	KPAC132	44	46	SST	CMN
Kinsevere phase 3	KPAC132	46	51	SST	CMN
Kinsevere phase 3	KPAC132	51	59	SST	CMN
Kinsevere phase 3	KPAC133	0	4	SOL	SOL
Kinsevere phase 3	KPAC133	4	7	SOL	CMN
Kinsevere phase 3	KPAC133	7	44	SST	CMN
Kinsevere phase 3	KPAC133	44	48	SST	CMN
Kinsevere phase 3	KPAC133	48	55	SST	CMN
Kinsevere phase 3	KPAC134	0	5	SOL	CMN
Kinsevere phase 3	KPAC134	5	13	CBS	CMN
Kinsevere phase 3	KPAC134	13	15	CBS	CMN
Kinsevere phase 3	KPAC134	15	25	CBS	CMN
Kinsevere phase 3	KPAC134	25	31	SST	CMN
Kinsevere phase 3	KPAC134	31	33	SST	CMN
Kinsevere phase 3	KPAC134	33	38	SLT	CMN
Kinsevere phase 3	KPAC134	38	39	SLT	CMN
Kinsevere phase 3	KPAC134	39	41	SLT	CMN
Kinsevere phase 3	KPAC134	41	51	SST	CMN
Kinsevere phase 3	KPAC135	0	5	SOL	SOL
Kinsevere phase 3	KPAC135	5	9	SOL	CMN

Kinsevere phase 3	KPAC135	9	17	SST		CMN
Kinsevere phase 3	KPAC135	17	33	SST		CMN
Kinsevere phase 3	KPAC135	33	40	SST		CMN
Kinsevere phase 3	KPAC135	41	51	SST		CMN
Kinsevere phase 3	KPAC136	0	5	SOL		SOL
Kinsevere phase 3	KPAC136	5	8	SOL		CMN
Kinsevere phase 3	KPAC136	8	20	SST		CMN
Kinsevere phase 3	KPAC136	20	23	SLT		CMN
Kinsevere phase 3	KPAC136	23	42	SST		CMN
Kinsevere phase 3	KPAC136	42	45	SST		CMN
Kinsevere phase 3	KPAC137	0	4	SOL		CMN
Kinsevere phase 3	KPAC137	4	8	SOL		CMN
Kinsevere phase 3	KPAC137	8	10	UNK		CMN
Kinsevere phase 3	KPAC137	10	14	SST	CBS	CMN
Kinsevere phase 3	KPAC138	0	5	UNK		SOL
Kinsevere phase 3	KPAC138	5	10	UNK		CMN
Kinsevere phase 3	KPAC138	10	18	SLT	CBS	CMN
Kinsevere phase 3	KPAC138	18	23	SLT	CBL	CMN
Kinsevere phase 3	KPAC138	23	38	SST	CBS	CMN
Kinsevere phase 3	KPAC139	0	5	SOL		SOL
Kinsevere phase 3	KPAC139	5	9	SOL		CMN
Kinsevere phase 3	KPAC139	9	53	SST	CBS	CMN
Kinsevere phase 3	KPAC140	0	5	SOL		SOL
Kinsevere phase 3	KPAC140	5	8	SOL		CMN
Kinsevere phase 3	KPAC140	8	10	SLT	CBS	CMN
Kinsevere phase 3	KPAC140	10	14	SST	CBS	CMN
Kinsevere phase 3	KPAC140	14	24	SST	CBS	CMN
Kinsevere phase 3	KPAC140	24	40	SST	CBS	CMN
Kinsevere phase 3	KPAC141	0	5	SOL		GRAT
Kinsevere phase 3	KPAC141	5	18	SST		GRAT
Kinsevere phase 3	KPAC142	0	2	SOL		SOL
Kinsevere phase 3	KPAC142	2	8	SOL		RRAT
Kinsevere phase 3	KPAC142	8	12	SLT		RRAT
Kinsevere phase 3	KPAC143	0	4	SOL		RRAT
Kinsevere phase 3	KPAC143	4	21	SLT		RRAT
Kinsevere phase 3	KPAC144	0	2	SOL		SOL
Kinsevere phase 3	KPAC144	2	6	SOL		RRAT
Kinsevere phase 3	KPAC144	6	16	SST		RRAT
Kinsevere phase 3	KPAC144	16	18	UNK		RRAT
Kinsevere phase 3	KPAC144	18	21	SST		RRAT
Kinsevere phase 3	KPAC145	0	5	SOL		GRAT
Kinsevere phase 3	KPAC145	5	9	SLT		DSTR
Kinsevere phase 3	KPAC145	9	14	SLT		DSTR
Kinsevere phase 3	KPAC145	14	19	SLT		DSTR
Kinsevere phase 3	KPAC145	19	30	SLT	CBM	DSTR
Kinsevere phase 3	KPAC145	30	42	SST	CBS	SD
Kinsevere phase 3	KPAC145	42	47	SLT	CBH	SD
Kinsevere phase 3	KPAC145	47	58	SLT		SD
Kinsevere phase 3	KPAC146	0	5	SOL		DSTR
Kinsevere phase 3	KPAC146	5	30	SLT	CBH	DSTR
Kinsevere phase 3	KPAC146	30	51	SST	CBH	SD
Kinsevere phase 3	KPAC146	51	57	SLT		SD
Kinsevere phase 3	KPAC147	0	2	SOL		SD
Kinsevere phase 3	KPAC147	2	11	SLT	CBH	CMN
Kinsevere phase 3	KPAC147	11	41	SST	CBM	CMN
Kinsevere phase 3	KPAC148	0	5	SOL		CMN
Kinsevere phase 3	KPAC148	5	14	SLT		CMN
Kinsevere phase 3	KPAC148	14	20	SLT	CBM	CMN
Kinsevere phase 3	KPAC148	20	72	SLT	CBM	CMN
Kinsevere phase 3	KPAC149	0	6	SOL		SOL
Kinsevere phase 3	KPAC149	6	10	SOL		CMN
Kinsevere phase 3	KPAC149	10	26	SLT	CBM	CMN
Kinsevere phase 3	KPAC149	26	29	SLT		CMN

Kinsevere phase 3	KPAC149	29	42	SST	CBM	CMN
Kinsevere phase 3	KPAC150	0	1	UNK		SOL
Kinsevere phase 3	KPAC150	1	6	SOL		CMN
Kinsevere phase 3	KPAC150	6	14	SOL		CMN
Kinsevere phase 3	KPAC150	14	30	SST	CBS	CMN
Kinsevere phase 3	KPAC150	30	42	SST	CBS	CMN
Kinsevere phase 3	KPAC151	0	5	SOL		SOL
Kinsevere phase 3	KPAC151	5	8	SOL		CMN
Kinsevere phase 3	KPAC151	8	27	SST	CBS	CMN
Kinsevere phase 3	KPAC151	27	29	SST	CBS	CMN
Kinsevere phase 3	KPAC151	29	43	SST	CBS	CMN
Kinsevere phase 3	KPAC151	43	45	SST		CMN
Kinsevere phase 3	KPAC151	45	48	SST	CBS	CMN
Kinsevere phase 3	KPAC152	0	5	SOL		SOL
Kinsevere phase 3	KPAC152	5	8	SOL		CMN
Kinsevere phase 3	KPAC152	8	35	SST	CBS	CMN
Kinsevere phase 3	KPAC152	35	44	SST	CBS	CMN
Kinsevere phase 3	KPAC152	44	59	SST	CBM	CMN
Kinsevere phase 3	KPAC153	0	5	SOL		SOL
Kinsevere phase 3	KPAC153	5	7	SOL		CMN
Kinsevere phase 3	KPAC153	7	17	SST	CBM	CMN
Kinsevere phase 3	KPAC153	17	20	SST	CBS	CMN
Kinsevere phase 3	KPAC153	20	45	SST	CBM	CMN
Kinsevere phase 3	KPAC153	45	48	SST	CBM	CMN
Kinsevere phase 3	KPAC154	0	5	SOL		SOL
Kinsevere phase 3	KPAC154	5	7	SOL		SOL
Kinsevere phase 3	KPAC154	7	14	SST	CBS	CMN
Kinsevere phase 3	KPAC154	14	39	SLT		CMN
Kinsevere phase 3	KPAC154	39	41	SLT	CBM	CMN
Kinsevere phase 3	KPAC155	0	5	SOL		CMN
Kinsevere phase 3	KPAC155	5	10	SST	CBS	CMN
Kinsevere phase 3	KPAC155	10	17	SLT	CBL	CMN
Kinsevere phase 3	KPAC155	17	35	SLT	CBL	CMN
Kinsevere phase 3	KPAC155	35	45	SST	CBS	CMN
Kinsevere phase 3	KPAC156	0	5	SOL		CMN
Kinsevere phase 3	KPAC156	5	8	SOL		CMN
Kinsevere phase 3	KPAC156	8	11	SLT		CMN
Kinsevere phase 3	KPAC156	11	13	SLT		CMN
Kinsevere phase 3	KPAC156	13	17	SST	CBS	CMN
Kinsevere phase 3	KPAC157	0	5	SOL		CMN
Kinsevere phase 3	KPAC157	5	11	SST	CBS	CMN
Kinsevere phase 3	KPAC158	0	5	SOL		SOL
Kinsevere phase 3	KPAC158	5	9	SOL		CMN
Kinsevere phase 3	KPAC158	9	17	SLT		CMN
Kinsevere phase 3	KPAC158	17	23	SST	CBM	CMN
Kinsevere phase 3	KPAC158	23	29	SLT	CBM	CMN
Kinsevere phase 3	KPAC158	29	35	SLT		CMN
Kinsevere phase 3	KPAC159	0	4	SOL		SOL
Kinsevere phase 3	KPAC159	4	10	SOL		CMN
Kinsevere phase 3	KPAC159	10	18	SST	CBS	GRAT
Kinsevere phase 3	KPAC159	18	35	SLT		GRAT
Kinsevere phase 3	KPAC159	35	39	SLT		GRAT
Kinsevere phase 3	KPAC160	0	6	SOL		SOL
Kinsevere phase 3	KPAC160	6	8	SOL		CMN
Kinsevere phase 3	KPAC160	8	15	SST	CBM	CMN
Kinsevere phase 3	KPAC160	15	32	SST	CBS	GRAT
Kinsevere phase 3	KPAC160	32	50	SLT		GRAT
Kinsevere phase 3	KPAC161	0	5	SOL		SOL
Kinsevere phase 3	KPAC161	5	10	SOL		CMN
Kinsevere phase 3	KPAC161	10	16	SST	CBM	CMN
Kinsevere phase 3	KPAC161	16	26	SST	CBS	CMN
Kinsevere phase 3	KPAC161	26	31	SST	CBS	CMN
Kinsevere phase 3	KPAC161	31	48	SST	CBM	GRAT

Kinsevere phase 3	KPAC161	48	53	SLT		GRAT
Kinsevere phase 3	KPAC162	0	4	SOL		SOL
Kinsevere phase 3	KPAC162	4	7	SOL		CMN
Kinsevere phase 3	KPAC162	7	21	SLT	CBL	CMN
Kinsevere phase 3	KPAC162	21	25	SST	CBS	CMN
Kinsevere phase 3	KPAC162	25	28	SLT	CBL	CMN
Kinsevere phase 3	KPAC162	28	33	SST	CBS	GRAT
Kinsevere phase 3	KPAC162	33	42	SLT		GRAT
Kinsevere phase 3	KPAC163	0	6	SOL		SOL
Kinsevere phase 3	KPAC163	6	7	SOL		CMN
Kinsevere phase 3	KPAC163	7	17	SST	CBS	GRAT
Kinsevere phase 3	KPAC163	17	34	SLT		GRAT
Kinsevere phase 3	KPAC163	34	39	SLT		GRAT
Kinsevere phase 3	KPAC164	0	6	SOL		CMN
Kinsevere phase 3	KPAC164	6	10	SLT	CBM	CMN
Kinsevere phase 3	KPAC164	10	15	SST	CBM	GRAT
Kinsevere phase 3	KPAC164	15	31	SLT		RRAT
Kinsevere phase 3	KPAC164	31	39	SLT		RRAT
Kinsevere phase 3	KPAC165	0	6	SOL		GRAT
Kinsevere phase 3	KPAC165	6	14	SLT		RRAT
Kinsevere phase 3	KPAC165	14	39	SLT		RRAT
Kinsevere phase 3	KPAC166	0	6	SOL		RRAT
Kinsevere phase 3	KPAC166	6	20	SLT		RRAT
Kinsevere phase 3	KPAC167	0	4	SOL		RRAT
Kinsevere phase 3	KPAC167	4	20	SLT		RRAT
Kinsevere phase 3	KPAC168	0	3	SOL		CMN
Kinsevere phase 3	KPAC168	3	14	SLT		CMN
Kinsevere phase 3	KPAC168	14	20	SLT		CMN
Kinsevere phase 3	KPAC168	20	39	SLT		CMN
Kinsevere phase 3	KPAC168	39	60	SLT		CMN
Kinsevere phase 3	KPAC169	0	6	SOL		CMN
Kinsevere phase 3	KPAC169	6	11	SLT		CMN
Kinsevere phase 3	KPAC169	11	16	SLT	CBM	CMN
Kinsevere phase 3	KPAC169	16	25	SLT	CBL	CMN
Kinsevere phase 3	KPAC169	25	42	SLT	CBM	CMN
Kinsevere phase 3	KPAC169	42	56	SST	CBS	CMN
Kinsevere phase 3	KPAC169	56	63	SST	CBS	CMN
Kinsevere phase 3	KPAC169	63	64	SST	CBS	CMN
Kinsevere phase 3	KPAC170	0	6	SOL		CMN
Kinsevere phase 3	KPAC170	6	20	SLT		CMN
Kinsevere phase 3	KPAC170	20	36	SLT	CBM	CMN
Kinsevere phase 3	KPAC170	36	44	SST	CBS	CMN
Kinsevere phase 3	KPAC170	44	49	SST	CBM	CMN
Kinsevere phase 3	KPAC170	49	50	SST	CBM	CMN
Kinsevere phase 3	KPAC171	0	6	SOL		SOL
Kinsevere phase 3	KPAC171	6	9	SOL		CMN
Kinsevere phase 3	KPAC171	9	16	SLT	CBM	CMN
Kinsevere phase 3	KPAC171	16	32	SLT		CMN
Kinsevere phase 3	KPAC171	32	45	SST	CBL	CMN
Kinsevere phase 3	KPAC171	45	46	SST	CBL	CMN
Kinsevere phase 3	KPAC171	46	60	SST	CBL	CMN
Kinsevere phase 3	KPAC172	0	6	SOL		CMN
Kinsevere phase 3	KPAC172	6	14	SLT		CMN
Kinsevere phase 3	KPAC172	14	33	SST		CMN
Kinsevere phase 3	KPAC172	33	54	SST		CMN
Kinsevere phase 3	KPAC173	0	6	SOL		SOL
Kinsevere phase 3	KPAC173	6	9	SOl		CMN
Kinsevere phase 3	KPAC173	9	14	SST	CBM	CMN
Kinsevere phase 3	KPAC173	14	24	SST	CBL	CMN
Kinsevere phase 3	KPAC173	24	46	SST	CBL	CMN
Kinsevere phase 3	KPAC174	0	5	SOL		SOL
Kinsevere phase 3	KPAC174	5	9	SOL		CMN
Kinsevere phase 3	KPAC174	9	15	SST	CBM	CMN

Kinsevere phase 3	KPAC174	15	48	SST	CBL	CMN
Kinsevere phase 3	KPAC175	0	7	SOL		CMN
Kinsevere phase 3	KPAC175	7	26	SST	CBS	CMN
Kinsevere phase 3	KPAC175	26	29	SLT	CBM	CMN
Kinsevere phase 3	KPAC175	29	40	SST		CMN
Kinsevere phase 3	KPAC176	0	6	SOL		SOL
Kinsevere phase 3	KPAC176	6	7	SOL		CMN
Kinsevere phase 3	KPAC176	7	12	SLT	CBM	CMN
Kinsevere phase 3	KPAC176	12	14	SLT	CBM	CMN
Kinsevere phase 3	KPAC176	14	17	SLT	CBM	CMN
Kinsevere phase 3	KPAC176	17	26	SST	CBS	CMN
Kinsevere phase 3	KPAC176	26	44	SST	CBS	CMN
Kinsevere phase 3	KPAC177	0	5	SOL		CMN
Kinsevere phase 3	KPAC177	5	11	SLT		CMN
Kinsevere phase 3	KPAC177	11	17	SLT		CMN
Kinsevere phase 3	KPAC177	17	23	SLT		CMN
Kinsevere phase 3	KPAC178	0	5	SOL		CMN
Kinsevere phase 3	KPAC178	5	8	SOL		CMN
Kinsevere phase 3	KPAC178	8	11	SST	CBS	CMN
Kinsevere phase 3	KPAC178	11	15	SLT	CBM	CMN
Kinsevere phase 3	KPAC179	0	6	SOL		CMN
Kinsevere phase 3	KPAC179	6	11	SLT		CMN
Kinsevere phase 3	KPAC179	11	15	SLT	CBM	CMN
Kinsevere phase 3	KPAC179	15	19	SST	CBS	CMN
Kinsevere phase 3	KPAC179	19	28	SLT		CMN
Kinsevere phase 3	KPAC179	28	30	SST		CMN
Kinsevere phase 3	KPAC180	0	6	SOL		CMN
Kinsevere phase 3	KPAC180	6	10	SST	CBS	CMN
Kinsevere phase 3	KPAC180	10	31	SLT	CBM	CMN
Kinsevere phase 3	KPAC180	31	33	SST	CBS	CMN
Kinsevere phase 3	KPAC180	33	35	SLT	CBM	CMN
Kinsevere phase 3	KPAC180	35	39	SLT	CBM	CMN
Kinsevere phase 3	KPAC181	0	6	SOL		CMN
Kinsevere phase 3	KPAC181	6	13	SST	CBS	CMN
Kinsevere phase 3	KPAC181	13	20	SST	CBM	CMN
Kinsevere phase 3	KPAC181	20	36	SLT		CMN
Kinsevere phase 3	KPAC182	0	6	SOL		CMN
Kinsevere phase 3	KPAC182	6	16	SST	CBS	CMN
Kinsevere phase 3	KPAC182	16	18	SLT		CMN
Kinsevere phase 3	KPAC182	18	26	SST	CBS	CMN
Kinsevere phase 3	KPAC182	26	39	SLT		CMN
Kinsevere phase 3	KPAC183	0	6	SOL		CMN
Kinsevere phase 3	KPAC183	6	11	SLT	CBM	CMN
Kinsevere phase 3	KPAC183	11	14	SLT		CMN
Kinsevere phase 3	KPAC183	14	24	SST	CBS	CMN
Kinsevere phase 3	KPAC183	24	36	SLT		CMN
Kinsevere phase 3	KPAC184	0	8	SOL		SOL
Kinsevere phase 3	KPAC184	8	10	SOL		CMN
Kinsevere phase 3	KPAC184	10	14	SST	CBS	CMN
Kinsevere phase 3	KPAC184	14	24	SLT		CMN
Kinsevere phase 3	KPAC184	24	26	SLT		CMN
Kinsevere phase 3	KPAC185	0	6	SOL		SOL
Kinsevere phase 3	KPAC185	6	8	SOL		CMN
Kinsevere phase 3	KPAC185	8	11	SST	CBS	CMN
Kinsevere phase 3	KPAC185	11	17	SLT		CMN
Kinsevere phase 3	KPAC185	17	22	SST	CBS	CMN
Kinsevere phase 3	KPAC185	22	26	SLT		CMN
Kinsevere phase 3	KPAC185	26	38	SLT		CMN
Kinsevere phase 3	KPAC185	38	49	SST	CBS	CMN
Kinsevere phase 3	KPAC186	0	6	SOL		SOL
Kinsevere phase 3	KPAC186	6	9	SOL		CMN
Kinsevere phase 3	KPAC186	9	15	SST	CBM	CMN
Kinsevere phase 3	KPAC186	15	16	SLT	CBL	CMN

Kinsevere phase 3	KPAC186	16	24	SST	CBS	GRAT
Kinsevere phase 3	KPAC186	24	46	SLT		GRAT
Kinsevere phase 3	KPAC186	46	48	SLT		GRAT
Kinsevere phase 3	KPAC187	0	7	SOL		CMN
Kinsevere phase 3	KPAC187	7	13	SST		CMN
Kinsevere phase 3	KPAC187	13	14	SLT	CBM	CMN
Kinsevere phase 3	KPAC187	14	16	SLT		CMN
Kinsevere phase 3	KPAC187	16	20	SST	CBS	GRAT
Kinsevere phase 3	KPAC187	20	25	SLT		GRAT
Kinsevere phase 3	KPAC187	25	30	SLT		GRAT
Kinsevere phase 3	KPAC188	0	5	SOL		SOL
Kinsevere phase 3	KPAC188	5	10	SOL		GRAT
Kinsevere phase 3	KPAC188	10	20	SLT		GRAT
Kinsevere phase 3	KPAC188	20	30	SLT		GRAT
Kinsevere phase 3	KPAC188	30	35	SLT		GRAT
Kinsevere phase 3	KPAC188	35	36	SLT		GRAT
Kinsevere phase 3	KPAC189	0	6	SOL		SOL
Kinsevere phase 3	KPAC189	6	8	SOL		RRAT
Kinsevere phase 3	KPAC189	8	24	SLT		RRAT
Kinsevere phase 3	KPAC189	24	25	SST	CBS	RRAT
Kinsevere phase 3	KPAC189	25	31	SLT		KU
Kinsevere phase 3	KPAC189	31	44	SST		KU
Kinsevere phase 3	KPAC190	0	6	SOL		RRAT
Kinsevere phase 3	KPAC190	6	20	SLT		RRAT
Kinsevere phase 3	KPAC190	26	27	SLT		KU
Kinsevere phase 3	KPAC190	27	46	SST	CBS	KU
Kinsevere phase 3	KPAC191	0	3	SOL		RRAT
Kinsevere phase 3	KPAC191	3	14	SLT		RRAT
Kinsevere phase 3	KPAC192	0	4	SOL		KU
Kinsevere phase 3	KPAC192	4	20	SST	CBS	KU
Kinsevere phase 3	KPAC192	20	46	SLT	CBM	KU
Kinsevere phase 3	KPAC192	46	56	SST	CBS	KU
Kinsevere phase 3	KPAC192	56	59	SLT	CBM	KU
Kinsevere phase 3	KPAC192	59	62	SST	CBS	KU
Kinsevere phase 3	KPAC192	62	66	SLT	CBL	KU
Kinsevere phase 3	KPAC193	0	5	SOL		KU
Kinsevere phase 3	KPAC193	5	13	SST	CBM	KU
Kinsevere phase 3	KPAC193	13	15	SST	CBS	KU
Kinsevere phase 3	KPAC193	15	18	SLT	CBS	KU
Kinsevere phase 3	KPAC193	18	35	SST		KU
Kinsevere phase 3	KPAC193	35	54	SLT		KU
Kinsevere phase 3	KPAC193	54	60	SLT		KU
Kinsevere phase 3	KPAC194	0	7	SOL		KU
Kinsevere phase 3	KPAC194	7	9	SLT		KU
Kinsevere phase 3	KPAC194	9	17	SST	CBM	KU
Kinsevere phase 3	KPAC194	17	22	SLT	CBS	KU
Kinsevere phase 3	KPAC194	22	27	SST	CBS	KU
Kinsevere phase 3	KPAC194	27	30	SLT		KU
Kinsevere phase 3	KPAC194	30	36	SLT		KU
Kinsevere phase 3	KPAC195	0	2	SOL		SD
Kinsevere phase 3	KPAC195	2	4	SLT		SD
Kinsevere phase 3	KPAC195	4	25	SLT	DLL	SD
Kinsevere phase 3	KPAC195	25	38	SLT	DLL	SD
Kinsevere phase 3	KPAC195	38	50	SLT	DLL	CMN
Kinsevere phase 3	KPAC195	50	56	SLT	CBM	CMN
Kinsevere phase 3	KPAC195	56	60	SLT	CBM	CMN
Kinsevere phase 3	KPAC196	0	1	SOL		RSF
Kinsevere phase 3	KPAC196	1	6	SLT		DSTR
Kinsevere phase 3	KPAC196	6	8	SST	DLL	DSTR
Kinsevere phase 3	KPAC196	8	11	SLT	DLL	DSTR
Kinsevere phase 3	KPAC196	11	18	SLT	DLL	DSTR
Kinsevere phase 3	KPAC196	18	20	SLT	DLL	DSTR
Kinsevere phase 3	KPAC196	20	23	SLT	DLL	DSTR

Kinsevere phase 3	KPAC196	23	30	SST	DLL	DSTR
Kinsevere phase 3	KPAC197	0	2	SOL		SOL
Kinsevere phase 3	KPAC197	2	7	SOL		RRAT
Kinsevere phase 3	KPAC197	7	15	SLT		RRAT
Kinsevere phase 3	KPAC197	15	21	SLT		RRAT
Kinsevere phase 3	KPAC197	21	45	SLT		RRAT
Kinsevere phase 3	KPAC198	0	3	SOL		SOL
Kinsevere phase 3	KPAC198	3	5	SOL		RRAT
Kinsevere phase 3	KPAC198	5	30	SLT		RRAT
Kinsevere phase 3	KPAC199	0	2	SOL		RRAT
Kinsevere phase 3	KPAC199	2	10	SLT		RRAT
Kinsevere phase 3	KPAC199	10	30	SLT		RRAT
Kinsevere phase 3	KPAC200	0	2	SOL		SOL
Kinsevere phase 3	KPAC200	2	6	SOL		RRAT
Kinsevere phase 3	KPAC200	6	10	SLT		RRAT
Kinsevere phase 3	KPAC200	10	45	SLT		RRAT
Kinsevere phase 3	KPAC201	0	5	SOL		RRAT
Kinsevere phase 3	KPAC201	5	21	SLT		DSTR
Kinsevere phase 3	KPAC201	21	30	SLT	DLL	DSTR
Kinsevere phase 3	KPAC201	30	60	SST	DLL	DSTR
Kinsevere phase 3	KPAC202	0	2	SOL		DSTR
Kinsevere phase 3	KPAC202	2	5	SLT	DLL	SD
Kinsevere phase 3	KPAC202	5	56	SLT	DLH	SD
Kinsevere phase 3	KPAC202	56	67	SLT	DLH	SD
Kinsevere phase 3	KPAC202	67	69	SLT	DLH	SD
Kinsevere phase 3	KPAC203	0	3	SOL		SD
Kinsevere phase 3	KPAC203	3	7	SLT	DLH	SD
Kinsevere phase 3	KPAC203	7	36	SLT	DLT	SD
Kinsevere phase 3	KPAC204	0	1	SOL		SD
Kinsevere phase 3	KPAC204	1	17	SLT	DLL	SD
Kinsevere phase 3	KPAC204	17	34	SLT	DLL	SD
Kinsevere phase 3	KPAC204	34	57	SLT	DLL	SD
Kinsevere phase 3	KPAC204	57	60	SLT	DLL	SD
Kinsevere phase 3	KPAC205	0	4	SOL		SD
Kinsevere phase 3	KPAC205	4	16	SLT	DLL	CMN
Kinsevere phase 3	KPAC205	16	33	SST	CBL	CMN
Kinsevere phase 3	KPAC205	33	45	SST	CBL	CMN
Kinsevere phase 3	KPAC205	45	46	NR		NR
Kinsevere phase 3	KPAC206	0	4	SOL		CMN
Kinsevere phase 3	KPAC206	4	22	SST	SB	CMN
Kinsevere phase 3	KPAC206	22	47	SST	SB	CMN
Kinsevere phase 3	KPAC207	0	3	SOL		SOL
Kinsevere phase 3	KPAC207	3	7	SOL		CMN
Kinsevere phase 3	KPAC207	7	16	SST	CBL	CMN
Kinsevere phase 3	KPAC207	16	30	SST	CBM	CMN
Kinsevere phase 3	KPAC207	30	42	SST	CBL	CMN
Kinsevere phase 3	KPAC207	42	48	SST	CBL	CMN
Kinsevere phase 3	KPAC208	0	3	SOL		SOL
Kinsevere phase 3	KPAC208	3	7	SOl		CMN
Kinsevere phase 3	KPAC208	7	9	SST	CBM	CMN
Kinsevere phase 3	KPAC208	9	11	SST	CBM	CMn
Kinsevere phase 3	KPAC208	11	22	SST	CBL	CMN
Kinsevere phase 3	KPAC208	22	39	SST	CBL	CMN
Kinsevere phase 3	KPAC208	39	51	SST	CBM	CMN
Kinsevere phase 3	KPAC209	0	6	SOL		SOL
Kinsevere phase 3	KPAC209	6	8	SOL		CMN
Kinsevere phase 3	KPAC209	8	20	SST	CBM	CMN
Kinsevere phase 3	KPAC209	20	49	SST	CBM	CMN
Kinsevere phase 3	KPAC209	49	57	SST	CBL	CMN
Kinsevere phase 3	KPAC210	0	4	SOL		SOL
Kinsevere phase 3	KPAC210	4	7	SOL		CMN
Kinsevere phase 3	KPAC210	7	31	SST	CBL	CMN
Kinsevere phase 3	KPAC210	31	39	SLT	CBL	CMN

Kinsevere phase 3	KPAC210	39	47	SST	CBL	CMN
Kinsevere phase 3	KPAC210	47	50	SLT	CBL	CMN
Kinsevere phase 3	KPAC210	50	54	SLT	CBL	CMN
Kinsevere phase 3	KPAC211	0	6	SOL		CMN
Kinsevere phase 3	KPAC211	6	20	SST	CBL	CMN
Kinsevere phase 3	KPAC211	20	41	SLT	CBM	CMN
Kinsevere phase 3	KPAC212	0	5	SOL		CMN
Kinsevere phase 3	KPAC212	5	15	SST	CBM	CMN
Kinsevere phase 3	KPAC212	15	20	SST	CBM	CMN
Kinsevere phase 3	KPAC212	20	23	SLT	CBL	CMN
Kinsevere phase 3	KPAC212	23	26	SLT	CBL	CMN
Kinsevere phase 3	KPAC212	26	27	NR		NR
Kinsevere phase 3	KPAC213	0	6	SOL		CMN
Kinsevere phase 3	KPAC213	6	16	SLT	CBM	CMN
Kinsevere phase 3	KPAC213	16	28	SST	CBM	CMN
Kinsevere phase 3	KPAC213	28	30	SLT	CBM	CMN
Kinsevere phase 3	KPAC213	30	33	SST	CBM	CMN
Kinsevere phase 3	KPAC213	33	35	SLT	CBM	CMN
Kinsevere phase 3	KPAC214	0	6	SOL		SOL
Kinsevere phase 3	KPAC214	6	8	SOL		CMN
Kinsevere phase 3	KPAC214	8	14	SST	CBS	CMN
Kinsevere phase 3	KPAC214	14	30	SLT	CBM	CMN
Kinsevere phase 3	KPAC214	30	38	SST	CBM	CMN
Kinsevere phase 3	KPAC214	38	42	SST	CBM	CMN
Kinsevere phase 3	KPAC214	42	45	SLT	DLL	CMN
Kinsevere phase 3	KPAC215	0	5	SOL		SOL
Kinsevere phase 3	KPAC215	5	8	SOL		CMN
Kinsevere phase 3	KPAC215	8	15	SST	CBS	CMN
Kinsevere phase 3	KPAC215	15	18	SLT	CBM	CMN
Kinsevere phase 3	KPAC215	18	22	SST	CBS	CMN
Kinsevere phase 3	KPAC215	22	25	SLT	CBH	CMN
Kinsevere phase 3	KPAC215	25	41	SLT	CBM	CMN
Kinsevere phase 3	KPAC215	41	50	SLT	CBH	CMN
Kinsevere phase 3	KPAC215	50	51	SOL		CMN
Kinsevere phase 3	KPAC216	0	7	SOL		SOL
Kinsevere phase 3	KPAC216	7	8	SOL		CMN
Kinsevere phase 3	KPAC216	8	11	SST	CBM	CMN
Kinsevere phase 3	KPAC216	11	14	SLT		CMN
Kinsevere phase 3	KPAC216	14	24	SST	CBS	CMN
Kinsevere phase 3	KPAC216	24	26	SLT	CBH	CMN
Kinsevere phase 3	KPAC216	26	28	SST	CBS	CMN
Kinsevere phase 3	KPAC216	28	29	SLT	CBH	CMN
Kinsevere phase 3	KPAC216	29	32	SST	CBM	CMN
Kinsevere phase 3	KPAC216	32	38	SLT	CBM	CMN
Kinsevere phase 3	KPAC216	38	39	SST	CBM	CMN
Kinsevere phase 3	KPAC216	39	46	SLT	CBM	CMN
Kinsevere phase 3	KPAC217	0	7	SOL		SOL
Kinsevere phase 3	KPAC217	7	9	SOL		CMN
Kinsevere phase 3	KPAC217	9	20	SST	CBS	CMN
Kinsevere phase 3	KPAC217	20	23	SLT		CMN
Kinsevere phase 3	KPAC218	0	6	SOL		SOL
Kinsevere phase 3	KPAC218	6	8	SOL		CMN
Kinsevere phase 3	KPAC218	8	12	SST	CBS	CMN
Kinsevere phase 3	KPAC218	12	20	SST	CBM	CMN
Kinsevere phase 3	KPAC218	20	23	SST	CBM	CMN
Kinsevere phase 3	KPAC218	23	31	SLT	CBM	CMN
Kinsevere phase 3	KPAC218	31	39	SST	CBS	CMN
Kinsevere phase 3	KPAC218	39	40	SOL		NR
Kinsevere phase 3	KPAC219	0	5	SOL		SOL
Kinsevere phase 3	KPAC219	5	9	SOL		CMN
Kinsevere phase 3	KPAC219	9	16	SST	CBS	CMN
Kinsevere phase 3	KPAC219	16	24	SLT	CBM	CMN
Kinsevere phase 3	KPAC219	24	26	SLT		CMN

Kinsevere phase 3	KPAC219	26	30	SLT	CBS	CMN
Kinsevere phase 3	KPAC219	30	33	SST		CMN
Kinsevere phase 3	KPAC220	0	5	SOL		SOL
Kinsevere phase 3	KPAC220	5	7	SOL		CMN
Kinsevere phase 3	KPAC220	7	10	SST	CBM	CMN
Kinsevere phase 3	KPAC220	10	16	SLT		CMN
Kinsevere phase 3	KPAC220	16	23	SST	CBS	CMN
Kinsevere phase 3	KPAC220	23	27	SLT	CBS	CMN
Kinsevere phase 3	KPAC220	27	34	SST		CMN
Kinsevere phase 3	KPAC220	34	40	SLT	CBS	CMN
Kinsevere phase 3	KPAC220	40	42	SST	CBM	CMN
Kinsevere phase 3	KPAC220	42	44	SLT		CMN
Kinsevere phase 3	KPAC220	44	45	UNK		CMN
Kinsevere phase 3	KPAC221	0	6	SOL		CMN
Kinsevere phase 3	KPAC221	6	14	SST	CBM	CMN
Kinsevere phase 3	KPAC221	14	21	SLT	CBM	CMN
Kinsevere phase 3	KPAC221	21	28	SST	CBM	GRAT
Kinsevere phase 3	KPAC221	28	41	SLT		GRAT
Kinsevere phase 3	KPAC222	0	5	SOL		CMN
Kinsevere phase 3	KPAC222	5	20	SLT	CBH	CMN
Kinsevere phase 3	KPAC222	20	30	SLT	CBM	CMN
Kinsevere phase 3	KPAC222	30	34	SST	CBS	GRAT
Kinsevere phase 3	KPAC222	34	37	SLT		GRAT
Kinsevere phase 3	KPAC223	0	6	SOL		RRAT
Kinsevere phase 3	KPAC223	6	40	SLT		RRAT
Kinsevere phase 3	KPAC224	0	6	SOL		RRAT
Kinsevere phase 3	KPAC224	6	38	SLT		RRAT
Kinsevere phase 3	KPAC224	38	45	SLT		RRAT
Kinsevere phase 3	KPAC225	0	4	SOL		RRAT
Kinsevere phase 3	KPAC225	4	20	SLT		RRAT
Kinsevere phase 3	KPAC225	20	36	SLT		RRAT
Kinsevere phase 3	KPAC226	0	2	SOL		SOL
Kinsevere phase 3	KPAC226	2	6	SOL	CBM	CMN
Kinsevere phase 3	KPAC226	6	7	SST	CBM	CMN
Kinsevere phase 3	KPAC226	7	11	SST	CBM	CMN
Kinsevere phase 3	KPAC226	11	18	SST	CBS	CMN
Kinsevere phase 3	KPAC226	18	33	SLT	CBM	CMN
Kinsevere phase 3	KPAC227	0	1	SOL		CMN
Kinsevere phase 3	KPAC227	1	9	SLT	CBM	CMN
Kinsevere phase 3	KPAC227	9	12	SLT	CBH	CMN
Kinsevere phase 3	KPAC227	12	20	SLT	CBH	CMN
Kinsevere phase 3	KPAC227	20	25	SLT	CBH	CMN
Kinsevere phase 3	KPAC227	25	37	SLT	CBM	CMN
Kinsevere phase 3	KPAC227	37	42	SLT	CBM	CMN
Kinsevere phase 3	KPAC227	42	49	SLT	CBM	CMN
Kinsevere phase 3	KPAC228	0	2	SOL		SOL
Kinsevere phase 3	KPAC228	2	3	SOl		CMN
Kinsevere phase 3	KPAC228	3	12	SST	CBM	CMN
Kinsevere phase 3	KPAC228	12	26	SLT	CBH	CMN
Kinsevere phase 3	KPAC229	0	3	SOL		CMN
Kinsevere phase 3	KPAC229	3	8	SLT		CMN
Kinsevere phase 3	KPAC229	8	15	SST	CBS	CMN
Kinsevere phase 3	KPAC229	15	17	SLT	CBH	CMN
Kinsevere phase 3	KPAC229	17	23	SST	CBM	CMN
Kinsevere phase 3	KPAC229	23	24	SLT	CBM	CMN
Kinsevere phase 3	KPAC230	0	4	SOL		SOL
Kinsevere phase 3	KPAC230	4	6	SOL		CMN
Kinsevere phase 3	KPAC230	6	17	SST	CBS	CMN
Kinsevere phase 3	KPAC230	17	19	SLT		CMN
Kinsevere phase 3	KPAC230	19	38	SST	CBM	CMN
Kinsevere phase 3	KPAC231	0	5	SOL		CMN
Kinsevere phase 3	KPAC231	5	21	SST	CBS	CMN
Kinsevere phase 3	KPAC231	21	23	SLT	CBM	CMN

Kinsevere phase 3	KPAC231	23	32	SST	CBM	CMN
Kinsevere phase 3	KPAC232	0	4	SOL		SOL
Kinsevere phase 3	KPAC232	4	5	SOL		CMN
Kinsevere phase 3	KPAC232	5	17	SST	CBS	CMN
Kinsevere phase 3	KPAC232	17	22	SLT	CBM	CMN
Kinsevere phase 3	KPAC232	22	38	SST	CBS	CMN
Kinsevere phase 3	KPAC232	38	42	SLT		CMN
Kinsevere phase 3	KPAC233	0	6	SOL		CMN
Kinsevere phase 3	KPAC233	6	10	SST	CBM	CMN
Kinsevere phase 3	KPAC233	10	14	SLT		CMN
Kinsevere phase 3	KPAC233	14	21	SLT	CBM	CMN
Kinsevere phase 3	KPAC233	21	23	SST	CBS	CMN
Kinsevere phase 3	KPAC233	23	29	SST	CBM	CMN
Kinsevere phase 3	KPAC233	29	42	SST	CBS	CMN
Kinsevere phase 3	KPAC234	0	6	SOL		CMN
Kinsevere phase 3	KPAC234	6	13	SST	CBM	CMN
Kinsevere phase 3	KPAC234	13	16	SLT		CMN
Kinsevere phase 3	KPAC234	16	20	SST	CBS	CMN
Kinsevere phase 3	KPAC234	20	26	SST	CBS	CMN
Kinsevere phase 3	KPAC234	26	31	SLT	CBM	CMN
Kinsevere phase 3	KPAC234	31	47	SST	CBS	CMN
Kinsevere phase 3	KPAC235	0	6	SOL		CMN
Kinsevere phase 3	KPAC235	6	14	SLT		CMN
Kinsevere phase 3	KPAC235	14	18	SST	CBS	CMN
Kinsevere phase 3	KPAC235	18	25	SLT		CMN
Kinsevere phase 3	KPAC235	25	45	SST	CBS	CMN
Kinsevere phase 3	KPAC236	0	6	SOL		RRAT
Kinsevere phase 3	KPAC236	6	31	SLT		RRAT
Kinsevere phase 3	KPAC236	31	46	SLT		RRAT
Kinsevere phase 3	KPAC237	0	5	SOL		RRAT
Kinsevere phase 3	KPAC237	5	38	SLT		RRAT
Kinsevere phase 3	KPAC237	38	41	SLT		RRAT
Kinsevere phase 3	KPAC238	0	4	SLT		CMN
Kinsevere phase 3	KPAC238	4	21	SLT	CBM	CMN
Kinsevere phase 3	KPAC238	21	26	SLT	CBM	CMN
Kinsevere phase 3	KPAC238	26	28	SLT	CBM	CMN
Kinsevere phase 3	KPAC238	28	45	SLT	CBM	CMN
Kinsevere phase 3	KPAC239	0	3	SLT	CBM	CMN
Kinsevere phase 3	KPAC239	3	15	SLT	CBM	CMN
Kinsevere phase 3	KPAC239	15	18	SLT		CMN
Kinsevere phase 3	KPAC239	18	43	SLT	CBM	CMN
Kinsevere phase 3	KPAC239	43	46	SLT		CMN
Kinsevere phase 3	KPAC239	46	51	SLT	CBS	CMN
Kinsevere phase 3	KPAC239	51	52	SLT	CBM	CMN
Kinsevere phase 3	KPAC240	0	8	SLT		CMN
Kinsevere phase 3	KPAC240	8	20	SLT		CMN
Kinsevere phase 3	KPAC240	20	22	SLT		CMN
Kinsevere phase 3	KPAC240	22	24	SLT		CMN
Kinsevere phase 3	KPAC240	24	39	SST	CBS	CMN
Kinsevere phase 3	KPAC240	39	45	SST	CBS	CMN
Kinsevere phase 3	KPAC241	0	1	SOL		SOL
Kinsevere phase 3	KPAC241	1	5	SOL		CMN
Kinsevere phase 3	KPAC241	5	7	SLT		CMN
Kinsevere phase 3	KPAC241	7	10	SST	CBS	CMN
Kinsevere phase 3	KPAC241	10	16	SLT		CMN
Kinsevere phase 3	KPAC241	16	24	SLT		CMN
Kinsevere phase 3	KPAC241	24	32	SST	CBS	CMN
Kinsevere phase 3	KPAC241	32	39	SLT		CMN
Kinsevere phase 3	KPAC241	39	44	SST		CMN
Kinsevere phase 3	KPAC241	44	48	SLT		CMN
Kinsevere phase 3	KPAC241	48	62	SLT		CMN
Kinsevere phase 3	KPAC241	62	64	SLT		CMN
Kinsevere phase 3	KPAC242	0	4	SOL		CMN

Kinsevere phase 3	KPAC242	4	28	SST	CBS	CMN
Kinsevere phase 3	KPAC242	28	40	SST		CMN
Kinsevere phase 3	KPAC243	0	4	SOL		CMN
Kinsevere phase 3	KPAC243	4	19	SLT	CBM	CMN
Kinsevere phase 3	KPAC243	19	24	SST	CBS	CMN
Kinsevere phase 3	KPAC243	24	26	SLT		CMN
Kinsevere phase 3	KPAC243	26	29	SST	CBS	CMN
Kinsevere phase 3	KPAC243	29	54	SST	CBS	CMN
Kinsevere phase 3	KPAC244	0	3	SOL		SOL
Kinsevere phase 3	KPAC244	3	6	SOL		CMN
Kinsevere phase 3	KPAC244	6	33	SST	CBS	CMN
Kinsevere phase 3	KPAC244	33	38	SLT	CBM	CMN
Kinsevere phase 3	KPAC244	38	40	SST	CBS	CMN
Kinsevere phase 3	KPAC244	40	52	SLT	CBM	CMN
Kinsevere phase 3	KPAC244	52	57	SST	CBS	CMN
Kinsevere phase 3	KPAC244	57	58	UNK		CMN
Kinsevere phase 3	KPAC245	0	3	SOL		SOL
Kinsevere phase 3	KPAC245	3	7	SOL		CMN
Kinsevere phase 3	KPAC245	7	23	SST	CBS	CMN
Kinsevere phase 3	KPAC245	23	59	SST	CBS	CMN
Kinsevere phase 3	KPAC246	0	2	SOL		SOL
Kinsevere phase 3	KPAC246	2	8	SOL		CMN
Kinsevere phase 3	KPAC246	8	11	SLT		CMN
Kinsevere phase 3	KPAC246	11	22	SST	CBS	CMN
Kinsevere phase 3	KPAC246	22	30	SLT	CBM	CMN
Kinsevere phase 3	KPAC246	30	42	SST	CBS	CMN
Kinsevere phase 3	KPAC247	0	4	SOL		SOL
Kinsevere phase 3	KPAC247	4	6	SOL		CMN
Kinsevere phase 3	KPAC247	6	14	SLT		CMN
Kinsevere phase 3	KPAC247	14	22	SLT		CMN
Kinsevere phase 3	KPAC247	22	27	SST	CBS	CMN
Kinsevere phase 3	KPAC247	27	32	SST		CMN
Kinsevere phase 3	KPAC247	32	43	SLT	CBM	GRAT
Kinsevere phase 3	KPAC247	43	48	SLT		GRAT
Kinsevere phase 3	KPAC248	0	5	SOL		SOL
Kinsevere phase 3	KPAC248	5	6	SOL		RRAT
Kinsevere phase 3	KPAC248	6	33	SLT		RRAT
Kinsevere phase 3	KPAC248	33	51	SLT		RRAT
Kinsevere phase 3	KPAC249	0	4	SOL		RRAT
Kinsevere phase 3	KPAC249	4	6	SOL		RRAT
Kinsevere phase 3	KPAC249	6	37	SLT		RRAT
Kinsevere phase 3	KPAC249	37	39	SLT		RRAT
Kinsevere phase 3	KPAC250	0	3	SOL		SOL
Kinsevere phase 3	KPAC250	3	8	SOL		CMN
Kinsevere phase 3	KPAC250	8	19	SLT		CMN
Kinsevere phase 3	KPAC250	19	24	SLT		CMN
Kinsevere phase 3	KPAC250	24	26	SST	CBS	CMN
Kinsevere phase 3	KPAC250	26	30	SLT	CBM	CMN
Kinsevere phase 3	KPAC250	30	40	SST	CBS	CMN
Kinsevere phase 3	KPAC251	0	5	SOL		SOL
Kinsevere phase 3	KPAC251	5	7	SOL		CMN
Kinsevere phase 3	KPAC251	7	20	SLT		CMN
Kinsevere phase 3	KPAC251	20	23	SLT	CBM	CMN
Kinsevere phase 3	KPAC251	23	27	SST	CBS	CMN
Kinsevere phase 3	KPAC251	27	29	SLT	CBM	CMN
Kinsevere phase 3	KPAC251	29	32	SST	CBS	CMN
Kinsevere phase 3	KPAC251	32	40	SST	CBS	CMN
Kinsevere phase 3	KPAC251	40	51	SLT	CBM	CMN
Kinsevere phase 3	KPAC252	0	5	SOL		SOL
Kinsevere phase 3	KPAC252	5	6	SOL		CMN
Kinsevere phase 3	KPAC252	6	19	SLT		CMN
Kinsevere phase 3	KPAC252	19	23	SST	CBS	CMN
Kinsevere phase 3	KPAC252	23	27	SLT	CBM	CMN

Kinsevere phase 3	KPAC252	27	29	SST	CBM	CMN
Kinsevere phase 3	KPAC252	29	33	SLT	CBM	CMN
Kinsevere phase 3	KPAC252	33	47	SST	CBM	CMN
Kinsevere phase 3	KPAC253	0	2	SOL		SOL
Kinsevere phase 3	KPAC253	3	4	SOL		KU
Kinsevere phase 3	KPAC253	4	31	SLT		KU
Kinsevere phase 3	KPAC253	31	38	SLT		KU
Kinsevere phase 3	KPAC254	0	4	SOL		SOL
Kinsevere phase 3	KPAC254	4	7	SOL		KU
Kinsevere phase 3	KPAC254	7	43	SLT		KU
Kinsevere phase 3	KPAC255	0	5	SOL		SOL
Kinsevere phase 3	KPAC255	5	7	SOL		KU
Kinsevere phase 3	KPAC255	7	24	SLT		KU
Kinsevere phase 3	KPAC255	24	36	SLT		KU
Kinsevere phase 3	KPAC256	0	5	SOL		SOL
Kinsevere phase 3	KPAC256	5	7	SOL		KU
Kinsevere phase 3	KPAC256	7	45	SLT		KU
Kinsevere phase 3	KPAC257	0	4	SOL		SOL
Kinsevere phase 3	KPAC257	4	5	SOL		KU
Kinsevere phase 3	KPAC257	5	42	SLT		KU
Kinsevere phase 3	KPAC258	0	5	SLT		CMN
Kinsevere phase 3	KPAC258	5	33	SLT		CMN
Kinsevere phase 3	KPAC259	0	5	SOL		CMN
Kinsevere phase 3	KPAC259	5	9	SST	CBS	CMN
Kinsevere phase 3	KPAC259	9	21	SLT	CBM	CMN
Kinsevere phase 3	KPAC259	21	23	SLT	CBM	CMN
Kinsevere phase 3	KPAC260	0	3	SOL		KU
Kinsevere phase 3	KPAC260	3	33	SLT		KU
Kinsevere phase 3	KPAC261	0	6	SOL		KU
Kinsevere phase 3	KPAC261	6	26	SLT		KU
Kinsevere phase 3	KPAC261	26	30	SLT		KU
Kinsevere phase 3	KPAC262	0	6	SOL		KU
Kinsevere phase 3	KPAC262	6	22	SLT		KU
Kinsevere phase 3	KPAC262	22	26	SLT		KU
Kinsevere phase 3	KPAC262	26	30	SLT		KU
Kinsevere phase 3	KPAC263	0	5	SOL		SOL
Kinsevere phase 3	KPAC263	5	7	SOL		KU
Kinsevere phase 3	KPAC263	7	14	SLT		KU
Kinsevere phase 3	KPAC263	14	20	SLT		KU
Kinsevere phase 3	KPAC263	20	23	SLT		KU
Kinsevere phase 3	KPAC263	23	48	SLT		KU
Kinsevere phase 3	KPAC264	0	8	SOL		KU
Kinsevere phase 3	KPAC264	8	20	SLT		KU
Kinsevere phase 3	KPAC264	20	47	SLT	CBM	KU
Kinsevere phase 3	KPAC265	0	6	SOL		SOL
Kinsevere phase 3	KPAC265	6	8	SOL		KU
Kinsevere phase 3	KPAC265	8	19	SST	CBM	KU
Kinsevere phase 3	KPAC265	19	34	UNK		KU
Kinsevere phase 3	KPAC265	34	45	SLT	CBM	KU
Kinsevere phase 3	KPAC266	0	8	SOL		KU
Kinsevere phase 3	KPAC266	8	15	SLT		KU
Kinsevere phase 3	KPAC266	15	18	SST		KU
Kinsevere phase 3	KPAC266	18	20	SLT		KU
Kinsevere phase 3	KPAC266	20	47	SLT	CBM	KU
Kinsevere phase 3	KPAC266	47	48	SLT	CBM	KU
Kinsevere phase 3	KPAC266	48	49	SST	CBS	KU
Kinsevere phase 3	KPAC266	49	50	SLT	CBM	KU
Kinsevere phase 3	KPAC266	51	52	SST	CBS	KU
Kinsevere phase 3	KPAC267	0	9	SOL		SOL
Kinsevere phase 3	KPAC267	9	13	SOL		KU
Kinsevere phase 3	KPAC267	13	26	SLT	CBM	KU
Kinsevere phase 3	KPAC267	26	29	SST	CBS	KU
Kinsevere phase 3	KPAC267	29	33	SLT		KU

Kinsevere phase 3	KPAC267	33	35	SST	CBS	KU
Kinsevere phase 3	KPAC267	35	37	SLT		KU
Kinsevere phase 3	KPAC267	37	55	SLT	CBM	KU
Kinsevere phase 3	KPAC268	0	8	SOL		SOL
Kinsevere phase 3	KPAC268	8	10	SOL		KU
Kinsevere phase 3	KPAC268	10	20	SLT		KU
Kinsevere phase 3	KPAC268	20	27	SLT		KU
Kinsevere phase 3	KPAC268	27	29	SLT		KU
Kinsevere phase 3	KPAC268	29	42	SLT	CBM	KU
Kinsevere phase 3	KPAC268	42	51	SST	CBS	KU
Kinsevere phase 3	KPAC269	0	8	SOL		SOL
Kinsevere phase 3	KPAC269	8	9	SOL		KU
Kinsevere phase 3	KPAC269	9	35	SLT		KU
Kinsevere phase 3	KPAC269	35	51	SST	CBS	KU
Kinsevere phase 3	KPAC270	0	8	SOL		SOL
Kinsevere phase 3	KPAC270	8	11	SOL		KU
Kinsevere phase 3	KPAC270	11	39	SLT		KU
Kinsevere phase 3	KPAC271	0	5	SOL		SOL
Kinsevere phase 3	KPAC271	5	11	SOL		KU
Kinsevere phase 3	KPAC271	11	27	SLT		KU
Kinsevere phase 3	KPAC271	27	32	SLT		KU
Kinsevere phase 3	KPAC272	0	9	SOL		SOL
Kinsevere phase 3	KPAC272	9	16	SOL		SOL
Kinsevere phase 3	KPAC272	16	18	SOL		KU
Kinsevere phase 3	KPAC272	18	28	SLT		KU
Kinsevere phase 3	KPAC272	28	36	SST	CBS	KU
Kinsevere phase 3	KPAC273	0	7	SOL		SOL
Kinsevere phase 3	KPAC273	7	14	SOL		SOL
Kinsevere phase 3	KPAC273	14	18	SOL		KU
Kinsevere phase 3	KPAC273	18	27	SLT		KU
Kinsevere phase 3	KPAC273	27	32	SST	CBS	KU
Kinsevere phase 3	KPAC273	32	44	SLT		KU
Kinsevere phase 3	KPAC273	44	48	SST	CBS	KU
Kinsevere phase 3	KPAC274	0	2	SOL		SOL
Kinsevere phase 3	KPAC274	2	6	SOL		KU
Kinsevere phase 3	KPAC274	6	40	SLT		KU
Kinsevere phase 3	KPAC274	40	47	SLT		KU
Kinsevere phase 3	KPAC275	0	3	SOL		SOL
Kinsevere phase 3	KPAC275	3	8	SOL		KU
Kinsevere phase 3	KPAC275	8	19	SLT	CBM	KU
Kinsevere phase 3	KPAC275	19	52	SLT	CBM	KU
Kinsevere phase 3	KPAC276	0	5	SOL		SOL
Kinsevere phase 3	KPAC276	5	7	SOL		KU
Kinsevere phase 3	KPAC276	7	44	SLT	CBM	KU
Kinsevere phase 3	KPAC277	0	6	SOL		SOL
Kinsevere phase 3	KPAC277	6	8	SOL		KU
Kinsevere phase 3	KPAC277	8	27	SLT	CBM	KU
Kinsevere phase 3	KPAC277	27	48	SLT	CBM	KU
Kinsevere phase 3	KPAC278	0	8	SOL		SOL
Kinsevere phase 3	KPAC278	8	11	SOL		SOL
Kinsevere phase 3	KPAC278	11	16	SST	CBS	CMN
Kinsevere phase 3	KPAC278	16	26	SLT		CMN
Kinsevere phase 3	KPAC278	26	38	SLT	CBM	CMN
Kinsevere phase 3	KPAC278	38	56	SLT		CMN
Kinsevere phase 3	KPAC279	0	8	SOL		SOL
Kinsevere phase 3	KPAC279	8	15	SOL		CMN
Kinsevere phase 3	KPAC279	15	33	SLT	CBM	CMN
Kinsevere phase 3	KPAC279	33	48	SLT	CBM	CMN
Kinsevere phase 3	KPAC279	48	58	SST	CBS	CMN
Kinsevere phase 3	KPAC280	0	7	SOL		CMN
Kinsevere phase 3	KPAC280	7	24	SLT		CMN
Kinsevere phase 3	KPAC280	24	33	SLT	CBM	CMN
Kinsevere phase 3	KPAC280	34	38	SLT	CBM	CMN

Kinsevere phase 3	KPAC280	38	42	SST	CBM	CMN
Kinsevere phase 3	KPAC281	0	8	SOL		CMN
Kinsevere phase 3	KPAC281	8	20	SLT		CMN
Kinsevere phase 3	KPAC281	20	30	SST	CBM	CMN
Kinsevere phase 3	KPAC282	0	5	SOL		SOL
Kinsevere phase 3	KPAC282	5	7	SOL		CMN
Kinsevere phase 3	KPAC282	7	23	SLT		CMN
Kinsevere phase 3	KPAC282	23	30	SLT	CBM	CMN
Kinsevere phase 3	KPAC282	30	34	SST	CBM	CMN
Kinsevere phase 3	KPAC282	34	51	SLT	CBM	CMN
Kinsevere phase 3	KPAC283	0	5	SOL		CMN
Kinsevere phase 3	KPAC283	5	9	SLT		CMN
Kinsevere phase 3	KPAC283	9	18	SLT	CBM	CMN
Kinsevere phase 3	KPAC284	0	3	SOL		CMN
Kinsevere phase 3	KPAC284	3	24	SLT		CMN
Kinsevere phase 3	KPAC285	0	4	SOL		KU
Kinsevere phase 3	KPAC285	4	8	SLT	CBM	KU
Kinsevere phase 3	KPAC285	8	21	SLT		KU
Kinsevere phase 3	KPAC286	0	6	SOL		SOL
Kinsevere phase 3	KPAC286	6	7	SLT		KU
Kinsevere phase 3	KPAC286	7	22	SLT	CBM	KU
Kinsevere phase 3	KPAC287	0	5	SOL		SOL
Kinsevere phase 3	KPAC287	5	7	SOL		KU
Kinsevere phase 3	KPAC287	7	32	SLT	CBM	KU
Kinsevere phase 3	KPAC288	0	6	SOL		SOL
Kinsevere phase 3	KPAC288	6	9	SOL		KU
Kinsevere phase 3	KPAC288	9	33	SLT	CBM	KU
Kinsevere phase 3	KPAC289	0	6	SOL		SOL
Kinsevere phase 3	KPAC289	6	8	SOL		KU
Kinsevere phase 3	KPAC289	8	48	SLT		KU
Kinsevere phase 3	KPAC290	0	7	SOL		SOL
Kinsevere phase 3	KPAC290	7	10	SOL		SOL
Kinsevere phase 3	KPAC290	11	18	SST	CBM	CMN
Kinsevere phase 3	KPAC290	18	26	SST	CBM	CMN
Kinsevere phase 3	KPAC290	26	44	SLT	CBM	CMN
Kinsevere phase 3	KPAC291	0	8	SOL		SOL
Kinsevere phase 3	KPAC291	8	14	SOL		CMN
Kinsevere phase 3	KPAC291	14	26	SST	CBM	CMN
Kinsevere phase 3	KPAC291	26	40	SST	CBS	CMN
Kinsevere phase 3	KPAC291	40	51	SLT		CMN
Kinsevere phase 3	KPAC292	0	8	SOL		SOL
Kinsevere phase 3	KPAC292	8	13	SOL		CMN
Kinsevere phase 3	KPAC292	13	20	SST	CBM	CMN
Kinsevere phase 3	KPAC292	20	32	SST	CBM	CMN
Kinsevere phase 3	KPAC292	32	33	NR		NR
Kinsevere phase 3	KPAC293	0	9	SOL		SOL
Kinsevere phase 3	KPAC293	9	12	SOL		SOL
Kinsevere phase 3	KPAC293	12	20	SLT		CMN
Kinsevere phase 3	KPAC293	20	26	SST	CBM	CMN
Kinsevere phase 3	KPAC293	26	30	SST	CBS	CMN
Kinsevere phase 3	KPAC293	30	33	SLT		CMN
Kinsevere phase 3	KPAC293	33	39	SST	CBS	CMN
Kinsevere phase 3	KPAC294	0	9	SOL		SOL
Kinsevere phase 3	KPAC294	9	11	SOL		CMN
Kinsevere phase 3	KPAC294	11	17	SLT		CMN
Kinsevere phase 3	KPAC294	17	21	SLT		CMN
Kinsevere phase 3	KPAC294	21	37	SST	CBM	CMN
Kinsevere phase 3	KPAC295	0	17	SOL		KU
Kinsevere phase 3	KPAC295	17	20	SLT	CBM	KU
Kinsevere phase 3	KPAC295	20	29	SLT	CBM	KU
Kinsevere phase 3	KPAC295	29	31	SST	CBS	KU
Kinsevere phase 3	KPAC295	31	45	SST		KU
Kinsevere phase 3	KPAC296	0	9	SOL		KU

Kinsevere phase 3	KPAC296	9	27	SLT		KU
Kinsevere phase 3	KPAC296	27	51	SST	CBM	KU
Kinsevere phase 3	KPAC297	0	7	SOL		SOL
Kinsevere phase 3	KPAC297	7	9	SOL		KU
Kinsevere phase 3	KPAC297	9	31	SLT		KU
Kinsevere phase 3	KPAC297	31	51	SST	CBM	KU
Kinsevere phase 3	KPAC298	0	4	SOL		KU
Kinsevere phase 3	KPAC298	4	27	SLT		KU
Kinsevere phase 3	KPAC299	0	7	SOL		SOL
Kinsevere phase 3	KPAC299	7	10	SOL		KU
Kinsevere phase 3	KPAC299	10	21	SLT		KU
Kinsevere phase 3	KPAC299	22	42	SLT	CBM	KU
Kinsevere phase 3	KPAC299	42	49	SLT		KU
Kinsevere phase 3	KPAC300	0	3	SOL		KU
Kinsevere phase 3	KPAC300	3	17	SLT		KU
Kinsevere phase 3	KPAC300	17	21	SST	CBM	KU
Kinsevere phase 3	KPAC300	21	26	SLT		KU
Kinsevere phase 3	KPAC301	0	3	SOL		KU
Kinsevere phase 3	KPAC301	3	25	SLT		KU
Kinsevere phase 3	KPAC302	0	5	SOL	CBS	CMN
Kinsevere phase 3	KPAC302	5	17	SST		CMN
Kinsevere phase 3	KPAC302	17	24	SST		CMN
Kinsevere phase 3	KPAC302	24	39	SST	CBS	CMN
Kinsevere phase 3	KPAC303	0	7	SOL		CMN
Kinsevere phase 3	KPAC303	7	11	SLT	CBL	CMN
Kinsevere phase 3	KPAC303	11	14	SLT		CMN
Kinsevere phase 3	KPAC303	14	18	SLT		CMN
Kinsevere phase 3	KPAC303	18	23	SLT	CBS	CMN
Kinsevere phase 3	KPAC303	23	32	SLT	CBM	CMN
Kinsevere phase 3	KPAC303	32	44	SLT	CBM	CMN
Kinsevere phase 3	KPAC303	44	46	SST		CMN
Kinsevere phase 3	KPAC304	0	5	SOL		SOL
Kinsevere phase 3	KPAC304	5	6	SOL		CMN
Kinsevere phase 3	KPAC304	6	28	SLT		CMN
Kinsevere phase 3	KPAC304	28	37	SST	CBS	CMN
Kinsevere phase 3	KPAC304	37	41	SLT	DLL	CMN
Kinsevere phase 3	KPAC304	41	51	SLT	CBM	CMN
Kinsevere phase 3	KPAC305	0	4	SOL		SOL
Kinsevere phase 3	KPAC305	4	6	SOL		KU
Kinsevere phase 3	KPAC305	6	51	SLT		KU
Kinsevere phase 3	KPAC306	0	3	SOL		SOL
Kinsevere phase 3	KPAC306	3	5	SOL		KU
Kinsevere phase 3	KPAC306	5	53	SLT	CBM	KU
Kinsevere phase 3	KPAC307	0	6	SOL		SOL
Kinsevere phase 3	KPAC307	6	8	SOL		KU
Kinsevere phase 3	KPAC307	8	19	SLT	DLL	KU
Kinsevere phase 3	KPAC307	19	25	SST	CBM	KU
Kinsevere phase 3	KPAC307	25	29	SLT		KU
Kinsevere phase 3	KPAC307	29	51	SST	CBM	KU
Kinsevere phase 3	KPAC308	0	8	SOL		SOL
Kinsevere phase 3	KPAC308	8	11	SOL		KU
Kinsevere phase 3	KPAC308	11	18	CON		KU
Kinsevere phase 3	KPAC308	18	38	SLT	CBM	KU
Kinsevere phase 3	KPAC308	38	52	SST	CBM	CMN
Kinsevere phase 3	KPAC308	52	54	SLT	CBM	CMN
Kinsevere phase 3	KPAC309	0	6	SOL		SOL
Kinsevere phase 3	KPAC309	6	15	SOL		CMN
Kinsevere phase 3	KPAC309	15	23	SLT		CMN
Kinsevere phase 3	KPAC309	23	38	SST	DLL	CMN
Kinsevere phase 3	KPAC309	38	51	SST	CBM	CMN
Kinsevere phase 3	KPAC310	0	14	SOL		SOL
Kinsevere phase 3	KPAC310	14	16	SOL		CMN
Kinsevere phase 3	KPAC310	16	28	SLT	CBM	CMN

Kinsevere phase 3	KPAC310	28	33	SST	DLL	CMN
Kinsevere phase 3	KPAC310	33	48	SLT	CBM	CMN
Kinsevere phase 3	KPAC311	0	5	SOL		CMN
Kinsevere phase 3	KPAC311	5	18	SST	CBM	CMN
Kinsevere phase 3	KPAC311	18	24	SLT	CBM	CMN
Kinsevere phase 3	KPAC311	24	28	SLT	CBM	CMN
Kinsevere phase 3	KPAC311	28	32	SST	CBM	CMN
Kinsevere phase 3	KPAC311	32	40	SLT	CBL	CMN
Kinsevere phase 3	KPAC311	40	42	SST	CBS	CMN
Kinsevere phase 3	KPAC311	42	46	SST	CBS	CMN
Kinsevere phase 3	KPAC311	46	49	SST	CBS	CMN
Kinsevere phase 3	KPAC311	49	52	SLT	CBM	CMN
Kinsevere phase 3	KPAC311	52	54	SST	CBM	CMN
Kinsevere phase 3	KPAC312	0	6	SOL		SOL
Kinsevere phase 3	KPAC312	6	8	SOL		KU
Kinsevere phase 3	KPAC312	8	19	SLT	DLL	KU
Kinsevere phase 3	KPAC312	19	25	SST	CBM	KU
Kinsevere phase 3	KPAC312	25	29	SLT		KU
Kinsevere phase 3	KPAC312	29	51	SST	CBM	KU
Kinsevere phase 3	KPAC313	0	8	SOL		KU
Kinsevere phase 3	KPAC313	8	38	SLT		KU
Kinsevere phase 3	KPAC313	38	55	SST	DLL	KU
Kinsevere phase 3	KPAC314	0	4	SOL		KU
Kinsevere phase 3	KPAC314	4	21	SLT	CBM	KU
Kinsevere phase 3	KPAC314	21	52	SST	CBL	KU
Kinsevere phase 3	KPAC314	52	58	SHA	CBH	KU
Kinsevere phase 3	KPAC315	0	5	SOL		KU
Kinsevere phase 3	KPAC315	5	63	SLT	CBM	KU
Kinsevere phase 3	KPAC316	0	8	SOL		KU
Kinsevere phase 3	KPAC316	8	46	SLT	CBM	KU
Kinsevere phase 3	KPAC317	0	7	SOL		SOL
Kinsevere phase 3	KPAC317	7	10	SOL		KU
Kinsevere phase 3	KPAC317	10	29	SLT	CBM	KU
Kinsevere phase 3	KPAC317	29	54	SLT	CBM	KU
Kinsevere phase 3	KPAC318	0	7	SOL		SOL
Kinsevere phase 3	KPAC318	7	9	SOL		CMN
Kinsevere phase 3	KPAC318	9	11	SLT	SOL	CMN
Kinsevere phase 3	KPAC318	11	14	SST	CBS	CMN
Kinsevere phase 3	KPAC318	14	18	SLT	CBM	CMN
Kinsevere phase 3	KPAC318	18	24	SST	CBM	CMN
Kinsevere phase 3	KPAC318	24	51	UNK		CMN
Kinsevere phase 3	KPAC319	0	7	SOL		SOL
Kinsevere phase 3	KPAC319	7	10	SOL		CMN
Kinsevere phase 3	KPAC319	10	23	SST	CBS	CMN
Kinsevere phase 3	KPAC319	23	32	SLT	CBM	CMN
Kinsevere phase 3	KPAC319	32	40	UNK		CMN
Kinsevere phase 3	KPAC319	40	47	SLT		CMN
Kinsevere phase 3	KPAC319	47	50	SST	CBS	CMN
Kinsevere phase 3	KPAC319	50	51	SLT	CBM	CMN
Kinsevere phase 3	KPAC320	0	7	SOL		SOL
Kinsevere phase 3	KPAC320	7	10	SOL		CMN
Kinsevere phase 3	KPAC320	10	18	SLT	CBM	CMN
Kinsevere phase 3	KPAC320	18	24	SST	CBS	CMN
Kinsevere phase 3	KPAC320	24	40	SST	CBS	CMN
Kinsevere phase 3	KPAC320	40	48	SST	CBM	CMN
Kinsevere phase 3	KPAC321	0	6	SOL	CBL	CMN
Kinsevere phase 3	KPAC321	6	16	SST	CBL	CMN
Kinsevere phase 3	KPAC321	16	23	SLT	CBL	CMN
Kinsevere phase 3	KPAC321	23	26	SLT	CBL	CMN
Kinsevere phase 3	KPAC321	26	30	SLT	DLL	CMN
Kinsevere phase 3	KPAC321	30	38	SST	CBL	CMN
Kinsevere phase 3	KPAC321	38	41	SLT	DLL	CMN
Kinsevere phase 3	KPAC321	41	45	SST	DLL	CMN

Kinsevere phase 3	KPAC321	45	51	UNK	CBL	CMN
Kinsevere phase 3	KPAC321	51	54	UNK	CBL	CMN
Kinsevere phase 3	KPAC322	0	3	SOL		KU
Kinsevere phase 3	KPAC322	3	9	SOL	DLL	KU
Kinsevere phase 3	KPAC322	9	29	SST		KU
Kinsevere phase 3	KPAC322	29	39	SST		KU
Kinsevere phase 3	KPAC323	0	7	SOL		SOL
Kinsevere phase 3	KPAC323	7	8	SOL		CMN
Kinsevere phase 3	KPAC323	8	26	UNK	DLH	CMN
Kinsevere phase 3	KPAC323	26	28	UNK	CBL	CMN
Kinsevere phase 3	KPAC323	28	32	UNK	DLH	CMN
Kinsevere phase 3	KPAC323	32	54	UNK	CBL	CMN
Kinsevere phase 3	KPAC324	0	7	SOL		SOL
Kinsevere phase 3	KPAC324	7	8	SOL	DLH	CMN
Kinsevere phase 3	KPAC324	8	54	SHA		CMN
Kinsevere phase 3	KPAC325	0	3	SOL		SOL
Kinsevere phase 3	KPAC325	3	5	SOL		SOL
Kinsevere phase 3	KPAC325	5	8	SOL		CMN
Kinsevere phase 3	KPAC325	8	32	SHA	DLH	CMN
Kinsevere phase 3	KPAC325	32	35	SHA	DLH	CMN
Kinsevere phase 3	KPAC325	35	51	SHA	DLH	CMN
Kinsevere phase 3	KPAC326	0	3	SOL		SOL
Kinsevere phase 3	KPAC326	3	6	SOL		CMN
Kinsevere phase 3	KPAC326	6	9	SHA	DLL	CMN
Kinsevere phase 3	KPAC326	9	42	SHA	DLL	CMN
Kinsevere phase 3	KPAC327	0	2	SOL		SOL
Kinsevere phase 3	KPAC327	2	6	SOL		CMN
Kinsevere phase 3	KPAC327	6	11	SLT		CMN
Kinsevere phase 3	KPAC327	11	22	SLT	CBL	CMN
Kinsevere phase 3	KPAC328	0	2	SOL		CMN
Kinsevere phase 3	KPAC328	2	18	SST	CBM	CMN
Kinsevere phase 3	KPAC328	18	30	SLT	CBL	CMN
Kinsevere phase 3	KPAC329	0	2	SOL		SOL
Kinsevere phase 3	KPAC329	2	5	SOL		CMN
Kinsevere phase 3	KPAC329	5	14	SLT	DLL	CMN
Kinsevere phase 3	KPAC329	14	29	SLT	DLL	CMN
Kinsevere phase 3	KPAC329	29	36	SLT	CBM	CMN
Kinsevere phase 3	KPAC330	0	3	SOL		G1
Kinsevere phase 3	KPAC330	3	39	SST	CBM	G1
Kinsevere phase 3	KPAC331	0	7	SOL		G1
Kinsevere phase 3	KPAC331	7	35	SST	DLL	G1
Kinsevere phase 3	KPAC331	35	45	UNK	DLL	G1
Kinsevere phase 3	KPAC332	0	2	SOL		G1
Kinsevere phase 3	KPAC332	2	19	UNK		G1
Kinsevere phase 3	KPAC332	19	34	UNK		G1
Kinsevere phase 3	KPAC332	34	38	SST	CBM	G1
Kinsevere phase 3	KPAC333	0	3	SOL		G1
Kinsevere phase 3	KPAC333	3	14	UNK		G1
Kinsevere phase 3	KPAC333	14	35	UNK		G1
Kinsevere phase 3	KPAC334	0	3	SOL		G1
Kinsevere phase 3	KPAC334	3	16	SLT	CBH	G1
Kinsevere phase 3	KPAC334	16	19	SLT		G1
Kinsevere phase 3	KPAC334	19	23	SLT	CBH	G1
Kinsevere phase 3	KPAC334	23	27	SLT	CBH	G1
Kinsevere phase 3	KPAC335	0	3	SOL		G1
Kinsevere phase 3	KPAC335	3	10	SLT	CBH	G1
Kinsevere phase 3	KPAC335	10	45	SLT	CBH	G1
Kinsevere phase 3	KPAC336	0	2	SOL		G1
Kinsevere phase 3	KPAC336	2	8	SLT	CBM	G1
Kinsevere phase 3	KPAC336	8	25	SLT	CBM	G1
Kinsevere phase 3	KPAC336	25	45	SLT	CBM	G1
Kinsevere phase 3	KPAC337	0	3	SOL		G1
Kinsevere phase 3	KPAC337	3	45	SLT	CBH	G1

Kinsevere phase 3	KPAC338	0	3	SOL		G1
Kinsevere phase 3	KPAC338	3	32	SLT	DLL	G1
Kinsevere phase 3	KPAC339	0	3	SOL		KU
Kinsevere phase 3	KPAC339	3	30	SLT	DLL	KU
Kinsevere phase 3	KPAC339	30	45	SLT	DLL	KU
Kinsevere phase 3	KPAC340	0	3	SOL		G1
Kinsevere phase 3	KPAC340	3	29	SLT	DLL	G1
Kinsevere phase 3	KPAC340	29	42	SLT	DLL	G1
Kinsevere phase 3	KPAC341	0	3	SOL		G1
Kinsevere phase 3	KPAC341	3	32	SLT	DLL	G1
Kinsevere phase 3	KPAC341	32	45	SST	DLL	G1
Kinsevere phase 3	KPAC342	0	3	SOL		G1
Kinsevere phase 3	KPAC342	3	32	SLT		G1
Kinsevere phase 3	KPAC342	32	39	SLT	DLL	G1
Kinsevere phase 3	KPAC343	0	3	SOL		G1
Kinsevere phase 3	KPAC343	3	45	SLT	CBM	G1
Kinsevere phase 3	KPAC344	0	3	SOL		G1
Kinsevere phase 3	KPAC344	3	45	SHA	DLL	G1
Kinsevere phase 3	KPAC345	0	2	SOL		G1
Kinsevere phase 3	KPAC345	2	37	SLT	DLL	G1
Kinsevere phase 3	KPAC345	37	38	SLT		G1
Kinsevere phase 3	KPAC345	38	45	SLT	CBM	G1
Kinsevere phase 3	KPAC346	0	2	SOL		G1
Kinsevere phase 3	KPAC346	2	39	SHA	DLL	G1
Kinsevere phase 3	KPAC346	39	45	SST	CBM	G1
Kinsevere phase 3	KPAC347	0	2	SOL		G1
Kinsevere phase 3	KPAC347	2	18	SLT	CBM	G1
Kinsevere phase 3	KPAC347	18	45	SLT	CBM	G1
Kinsevere phase 3	KPAC348	0	3	SOL		G1
Kinsevere phase 3	KPAC348	3	23	SLT	CBM	G1
Kinsevere phase 3	KPAC348	23	45	SHA	CBH	G1
Kinsevere phase 3	KPAC349	0	3	SOL		G1
Kinsevere phase 3	KPAC349	3	13	SLT	CBM	G1
Kinsevere phase 3	KPAC349	13	36	CON		G1
Kinsevere phase 3	KPAC350	0	2	SOL		G1
Kinsevere phase 3	KPAC350	2	19	SHA	CBH	G1
Kinsevere phase 3	KPAC350	19	33	SLT	CBM	G1
Kinsevere phase 3	KPAC350	33	37	SHA	CBH	G1
Kinsevere phase 3	KPAC350	37	45	SST	CBM	G1
Kinsevere phase 3	KPAC351	0	3	SOL		G1
Kinsevere phase 3	KPAC351	3	18	SLT	CBM	G1
Kinsevere phase 3	KPAC351	18	28	SST	CBM	G1
Kinsevere phase 3	KPAC351	28	40	SLT	CBM	G1
Kinsevere phase 3	KPAC351	40	45	SHA	CBH	G1
Kinsevere phase 3	KPAC352	0	2	SOL		G1
Kinsevere phase 3	KPAC352	2	9	SHA	CBH	G1
Kinsevere phase 3	KPAC352	9	45	SHA	CBM	G1
Kinsevere phase 3	KPAC353	0	2	SOL		G1
Kinsevere phase 3	KPAC353	2	10	SHA	CBH	G1
Kinsevere phase 3	KPAC353	10	15	SST	DLL	G1
Kinsevere phase 3	KPAC353	15	39	SHA	CBH	G1
Kinsevere phase 3	KPAC353	39	43	SHA	CBH	G1
Kinsevere phase 3	KPAC354	0	3	SOL		G1
Kinsevere phase 3	KPAC354	3	27	SHA	CBH	G1
Kinsevere phase 3	KPAC354	27	45	SHA	CBH	G1
Kinsevere phase 3	KPAC355	0	2	SOL		G1
Kinsevere phase 3	KPAC355	2	20	SHA	CBH	G1
Kinsevere phase 3	KPAC355	20	34	SHA	CBH	G1
Kinsevere phase 3	KPAC356	0	2	SOL		G1
Kinsevere phase 3	KPAC356	2	26	SHA	CBH	G1
Kinsevere phase 3	KPAC356	26	45	SHA	CBH	G1
Kinsevere phase 3	KPAC357	0	3	SOL		G1
Kinsevere phase 3	KPAC357	3	19	SHA	CBH	G1

Kinsevere phase 3	KPAC357	19	39	SHA	CBH	G1
Kinsevere phase 3	KPAC358	0	4	SOL		G1
Kinsevere phase 3	KPAC358	4	34	SHA	CBH	G1
Kinsevere phase 3	KPAC358	34	45	SHA	CBH	G1
Kinsevere phase 3	KPAC359	0	2	SOL		G1
Kinsevere phase 3	KPAC359	2	35	SHA	CBH	G1
Kinsevere phase 3	KPAC359	35	44	SHA	CBH	G1
Kinsevere phase 3	KPAC360	0	3	SOL		G1
Kinsevere phase 3	KPAC360	3	34	SHA	CBH	G1
Kinsevere phase 3	KPAC360	34	37	SST	CBS	G1
Kinsevere phase 3	KPAC360	37	48	SHA	CBH	G1
Kinsevere phase 3	KPAC361	0	3	SOL		G1
Kinsevere phase 3	KPAC361	3	6	SHA	CBH	G1
Kinsevere phase 3	KPAC361	6	45	SHA	CBH	G1
Kinsevere phase 3	KPAC362	0	3	SOL		G1
Kinsevere phase 3	KPAC362	3	6	SLT		G1
Kinsevere phase 3	KPAC362	6	15	SLT	CBM	G1
Kinsevere phase 3	KPAC362	15	35	SHA	CBH	G1
Kinsevere phase 3	KPAC362	35	48	SHA	CBH	G1
Kinsevere phase 3	KPAC363	0	3	SOL		G1
Kinsevere phase 3	KPAC363	3	21	SLT	CBM	G1
Kinsevere phase 3	KPAC363	21	27	SHA	CBH	G1
Kinsevere phase 3	KPAC363	27	44	SHA	CBH	G1
Kinsevere phase 3	KPAC364	0	2	SOL		G1
Kinsevere phase 3	KPAC364	2	37	SHA	CBH	G1
Kinsevere phase 3	KPAC364	37	45	SLT	CBM	G1
Kinsevere phase 3	KPAC365	0	2	SOL		G1
Kinsevere phase 3	KPAC365	2	45	SHA	CBH	G1
Kinsevere phase 3	KPAC366	0	2	SOL		G1
Kinsevere phase 3	KPAC366	2	45	SHA	CBH	G1
Kinsevere phase 3	KPAC367	0	3	SOL		G1
Kinsevere phase 3	KPAC367	3	15	SLT	CBM	G1
Kinsevere phase 3	KPAC367	15	48	SST	CBM	G1
Kinsevere phase 3	KPAC368	0	3	SOL		G1
Kinsevere phase 3	KPAC368	3	35	SLT	CBM	G1
Kinsevere phase 3	KPAC368	35	45	SST	DLL	G1
Kinsevere phase 3	KPAC369	0	2	SOL		G1
Kinsevere phase 3	KPAC369	2	15	SLT	CBH	G1
Kinsevere phase 3	KPAC369	15	45	SHA	CBH	G1
Kinsevere phase 3	KPAC370	0	3	SOL		G1
Kinsevere phase 3	KPAC370	3	13	SLT	CBM	G1
Kinsevere phase 3	KPAC370	13	20	SST	CBM	G1
Kinsevere phase 3	KPAC371	0	3	SOL		G1
Kinsevere phase 3	KPAC371	3	24	SLT	CBM	G1
Kinsevere phase 3	KPAC371	24	45	SHA	CBH	G1
Kinsevere phase 3	KPAC372	0	3	SOL		G1
Kinsevere phase 3	KPAC372	3	27	SHA	CBH	G1
Kinsevere phase 3	KPAC372	27	45	SHA	CBH	G1
Kinsevere phase 3	KPAC373	0	2	SOL		G1
Kinsevere phase 3	KPAC373	2	25	SLT	CBH	G1
Kinsevere phase 3	KPAC373	25	41	SHA	CBH	G1
Kinsevere phase 3	KPAC374	0	3	SOL		G1
Kinsevere phase 3	KPAC374	3	21	SHA	CBH	G1
Kinsevere phase 3	KPAC374	21	35	SHA	CBH	G1
Kinsevere phase 3	KPAC375	0	3	SOL		G1
Kinsevere phase 3	KPAC375	3	17	SLT	CBH	G1
Kinsevere phase 3	KPAC375	17	20	SST	CBM	G1
Kinsevere phase 3	KPAC375	20	25	SLT	CBM	G1
Kinsevere phase 3	KPAC375	25	32	SHA	CBH	G1
Kinsevere phase 3	KPAC376	0	3	SOL		G1
Kinsevere phase 3	KPAC376	3	28	SLT	CBH	G1
Kinsevere phase 3	KPAC376	28	39	SHA	CBH	G1
Kinsevere phase 3	KPAC377	0	2	SOL		G1

Kinsevere phase 3	KPAC377	2	25	SLT	CBH	G1
Kinsevere phase 3	KPAC377	25	35	SHA	CBH	G1
Kinsevere phase 3	KPAC377	35	41	SLT	CBM	G1
Kinsevere phase 3	KPAC378	0	3	SOL		G1
Kinsevere phase 3	KPAC378	3	17	SLT	CBH	G1
Kinsevere phase 3	KPAC378	17	23	SHA	CBH	G1
Kinsevere phase 3	KPAC378	23	34	SLT	CBH	G1
Kinsevere phase 3	KPAC378	34	41	SLT	CBM	G1
Kinsevere phase 3	KPAC379	0	2	SOL		SOL
Kinsevere phase 3	KPAC379	2	3	SST		G1
Kinsevere phase 3	KPAC379	3	36	SLT	CBM	G1
Kinsevere phase 3	KPAC379	36	48	SLT	CBM	G1
Kinsevere phase 3	KPAC380	0	3	SOL		G1
Kinsevere phase 3	KPAC380	3	30	SLT	CBM	G1
Kinsevere phase 3	KPAC380	30	45	SLT	CBH	G1
Kinsevere phase 3	KPAC381	0	3	SOL		G1
Kinsevere phase 3	KPAC381	3	48	SLT	CBM	G1
Kinsevere phase 3	KPAC382	0	4	SOL		G1
Kinsevere phase 3	KPAC382	4	21	SLT	CBH	G1
Kinsevere phase 3	KPAC382	21	45	SLT	CBM	G1
Kinsevere phase 3	KPAC383	0	2	SOL		G1
Kinsevere phase 3	KPAC383	2	19	SLT	CBM	G1
Kinsevere phase 3	KPAC383	19	36	SLT	CBM	G1
Kinsevere phase 3	KPAC384	0	3	SOL		G1
Kinsevere phase 3	KPAC384	3	43	SLT	CBH	G1
Kinsevere phase 3	KPAC384	43	48	SLT	CBM	G1
Kinsevere phase 3	KPAC385	0	3	SOL		G1
Kinsevere phase 3	KPAC385	3	14	SLT	CBH	G1
Kinsevere phase 3	KPAC385	14	19	SST	CBM	G1
Kinsevere phase 3	KPAC385	19	35	SHA	CBH	G1
Kinsevere phase 3	KPAC385	35	39	SLT	CBM	G1
Kinsevere phase 3	KPAC386	0	4	SOL		G1
Kinsevere phase 3	KPAC386	4	10	SLT	CBM	G1
Kinsevere phase 3	KPAC386	10	15	SST	CBM	G1
Kinsevere phase 3	KPAC386	15	20	SLT	CBM	G1
Kinsevere phase 3	KPAC386	20	48	SLT	CBH	G1
Kinsevere phase 3	KPAC387	0	4	Sol		G1
Kinsevere phase 3	KPAC387	4	21	SST	CBM	G1
Kinsevere phase 3	KPAC387	21	34	SLT	CBH	G1
Kinsevere phase 3	KPAC387	34	48	SLT	CBM	G1
Kinsevere phase 3	KPAC388	0	4	SOL		G1
Kinsevere phase 3	KPAC388	4	13	SST	CBM	G1
Kinsevere phase 3	KPAC388	13	21	SHA	CBH	G1
Kinsevere phase 3	KPAC388	21	38	SST	CBM	G1
Kinsevere phase 3	KPAC388	38	48	SHA	CBH	G1
Kinsevere phase 3	KPAC389	0	5	SOL		G1
Kinsevere phase 3	KPAC389	5	9	SLT	CBM	G1
Kinsevere phase 3	KPAC389	9	42	SST	CBM	G1
Kinsevere phase 3	KPAC389	42	45	SST	CBM	G1
Kinsevere phase 3	KPAC390	0	5	SOL		G1
Kinsevere phase 3	KPAC390	5	48	SST	CBM	G1
Kinsevere phase 3	KPAC391	0	3	SOL		G1
Kinsevere phase 3	KPAC391	3	36	SLT	CBM	G1
Kinsevere phase 3	KPAC392	0	3	SOL		G1
Kinsevere phase 3	KPAC392	3	36	CON		G1
Kinsevere phase 3	KPAC393	0	3	SOL		G1
Kinsevere phase 3	KPAC393	3	32	CON	CBM	G1
Kinsevere phase 3	KPAC394	0	3	SOL		SOL
Kinsevere phase 3	KPAC394	3	5	SOL		G1
Kinsevere phase 3	KPAC394	5	12	SLT		G1
Kinsevere phase 3	KPAC394	12	13	SLT	CBM	G1
Kinsevere phase 3	KPAC394	13	51	SLT		G1
Kinsevere phase 3	KPAC395	0	3	SOL		G1

Kinsevere phase 3	KPAC395	3	8	SLT	CBM	G1
Kinsevere phase 3	KPAC395	8	38	SST	CBM	G1
Kinsevere phase 3	KPAC396	0	5	SOL		G1
Kinsevere phase 3	KPAC396	5	17	SLT	CBM	G1
Kinsevere phase 3	KPAC396	17	33	SLT	CBM	G1
Kinsevere phase 3	KPDH001	0	3	SOL		OVB
Kinsevere phase 3	KPDH001	3	28.700001	ARG		RRAT
Kinsevere phase 3	KPDH001	28.700001	31.9	ARG		GRAT
Kinsevere phase 3	KPDH001	31.9	33	DLB	DBX	DSTR
Kinsevere phase 3	KPDH001	33	58.400002	SLT		SD
Kinsevere phase 3	KPDH001	58.400002	66	CARS	SHC	SD
Kinsevere phase 3	KPDH001	66	104.1	SHC	CARS	SD
Kinsevere phase 3	KPDH001	104.1	110	SHA	SHC	SD
Kinsevere phase 3	KPDH001	110	121.45	CARS	SHC	SD
Kinsevere phase 3	KPDH001	121.45	143.7	SLT		SD
Kinsevere phase 3	KPDH001	143.7	148	SHC	CARS	SD
Kinsevere phase 3	KPDH001	148	154	SLT	CARS	SD
Kinsevere phase 3	KPDH001	154	155.10001	MX		FZ
Kinsevere phase 3	KPDH001	155.10001	169.89999	HBX	SHC	FZ
Kinsevere phase 3	KPDH001	169.89999	180.3	DLB	DLH	CMN
Kinsevere phase 3	KPDH002	0	5	SOL		OVB
Kinsevere phase 3	KPDH002	5	12	SPR		RRAT
Kinsevere phase 3	KPDH002	12	31	ARG	SLT	RAT
Kinsevere phase 3	KPDH002	31	62	ARG		RRAT
Kinsevere phase 3	KPDH002	62	65.400002	ARG		GRAT
Kinsevere phase 3	KPDH002	65.400002	70.800003	DLB		DSTR
Kinsevere phase 3	KPDH002	70.800003	71.699997	DLH		RSF
Kinsevere phase 3	KPDH002	71.699997	87.599998	SHA	SLT	SD
Kinsevere phase 3	KPDH002	87.599998	135	SHC		SD
Kinsevere phase 3	KPDH002	135	150.5	SLT	SHA	SD
Kinsevere phase 3	KPDH002	150.5	165.7	SHC	CARS	SD
Kinsevere phase 3	KPDH002	165.7	193	DLB		CMN
Kinsevere phase 3	KPDH002	193	201.10001	DLB		CMN
Kinsevere phase 3	KPDH002	201.10001	205.25	DBX	HBX	CMN
Kinsevere phase 3	KPDH002	205.25	220	DLB		CMN
Kinsevere phase 3	KPDH002	220	226.39999	DLB		CMN
Kinsevere phase 3	KPDH002	226.39999	233.5	DLB		CMN
Kinsevere phase 3	KPDH002	233.5	248.25	DLB		CMN
Kinsevere phase 3	KPDH002	248.25	258.60001	DBX		CMN
Kinsevere phase 3	KPDH002	258.60001	263	HBX	MX	FZ
Kinsevere phase 3	KPDH002	263	271.70001	DLB		CMN
Kinsevere phase 3	KPDH003	0	2.5	SOL		OVB
Kinsevere phase 3	KPDH003	2.5	7.4000001	ARG		UNK
Kinsevere phase 3	KPDH003	7.4000001	38.099998	DLL	SHDL	SD
Kinsevere phase 3	KPDH003	38.099998	49.299999	DLH		CMN
Kinsevere phase 3	KPRC001	0	4	NR		NR
Kinsevere phase 3	KPRC001	4	52	SLT		SD
Kinsevere phase 3	KPRC001	52	93	SLT		SD
Kinsevere phase 3	KPRC001	93	101	SLT		SD
Kinsevere phase 3	KPRC001	101	116	DLL		CMN
Kinsevere phase 3	KPRC001	116	130	DLL		CMN
Kinsevere phase 3	KPRC002	0	2	NR		NR
Kinsevere phase 3	KPRC002	2	4	UNK		CMN
Kinsevere phase 3	KPRC002	4	8	SLT		CMN
Kinsevere phase 3	KPRC002	8	12	SLT		CMN
Kinsevere phase 3	KPRC002	12	17	SLT		CMN
Kinsevere phase 3	KPRC002	17	19	SLT		CMN
Kinsevere phase 3	KPRC002	19	21	SLT		CMN
Kinsevere phase 3	KPRC002	21	29	SLT		CMN
Kinsevere phase 3	KPRC002	29	30	SHA		CMN
Kinsevere phase 3	KPRC002	30	41	SLT		CMN
Kinsevere phase 3	KPRC002	41	48	SLT		CMN
Kinsevere phase 3	KPRC002	48	58	DLL		CMN

Kinsevere phase 3	KPRC003	0	8	SOL		SOL
Kinsevere phase 3	KPRC003	8	28	SST	DLL	DSTR
Kinsevere phase 3	KPRC003	28	38	SLT	DLL	DSTR
		Cy	M	P		
Kinsevere phase 3	KPRC003	38	40	SLT	DLL	SD
Kinsevere phase 3	KPRC003	40	49	SLT	DLL	SD
Kinsevere phase 3	KPRC003	49	51	SLT	DLL	SD
Kinsevere phase 3	KPRC003	51	57	SLT	DLL	SD
Kinsevere phase 3	KPRC003	57	147	SLT	DLL	SD
Kinsevere phase 3	KPRC003	147	150	SLT	DLL	SD
Kinsevere phase 3	KPRC004	0	6	SOL		SOL
Kinsevere phase 3	KPRC004	6	65	SLT	DLL	SD
Kinsevere phase 3	KPRC004	65	83	SLT		CMN
Kinsevere phase 3	KPRC004	83	106	SLT	CBM	CMN
Kinsevere phase 3	KPRC005	0	6	SOL		SOL
Kinsevere phase 3	KPRC005	6	13	SST	CBM	CMN
Kinsevere phase 3	KPRC005	13	19	SST	CBM	CMN
Kinsevere phase 3	KPRC005	19	20	SST	CBM	CMN
Kinsevere phase 3	KPRC005	20	29	SST	CBM	CMN
Kinsevere phase 3	KPRC005	29	52	SLT	CBM	CMN
Kinsevere phase 3	KPRC005	52	150	SLT	CBM	CMN
Kinsevere phase 3	KPRC006	0	1	NR		NR
Kinsevere phase 3	KPRC006	1	10	SOL		SOL
Kinsevere phase 3	KPRC006	10	13	CBL		CMN
Kinsevere phase 3	KPRC006	13	17	CBL		CMN
Kinsevere phase 3	KPRC006	17	18	CBL		CMN
Kinsevere phase 3	KPRC006	18	27	CBL		CMN
Kinsevere phase 3	KPRC006	27	37	CBL		CMN
Kinsevere phase 3	KPRC006	37	39	CBL		CMN
Kinsevere phase 3	KPRC006	39	48	CBL		CMN
Kinsevere phase 3	KPRC006	48	56	CBL		CMN
Kinsevere phase 3	KPRC006	56	58	NR		NR
Kinsevere phase 3	KPRC006	58	77	CBL		CMN
Kinsevere phase 3	KPRC006	77	117	DLL		RAT
Kinsevere phase 3	KPRC007	0	28	SOL		SOL
Kinsevere phase 3	KPRC007	28	37	CBL		DSTR
Kinsevere phase 3	KPRC007	37	59	CBL		SD
Kinsevere phase 3	KPRC007	59	76	CBL		SD
Kinsevere phase 3	KPRC007	76	82	CBL		SD
Kinsevere phase 3	KPRC007	82	106	CBL		SD
Kinsevere phase 3	KPRC007	106	111	CBL		SD
Kinsevere phase 3	KPRC007	111	150	CBL		CMN
Kinsevere phase 3	KPRC008	0	5	sol		CMN
Kinsevere phase 3	KPRC008	5	71	CBL		CMN
Kinsevere phase 3	KPRC008	71	92	CBL		CMN
Kinsevere phase 3	KPRC008	92	106	CBL		CMN
Kinsevere phase 3	KPRC009	0	1	NR		NR
Kinsevere phase 3	KPRC009	1	15	SOL		SOL
Kinsevere phase 3	KPRC009	15	29	CBL		CMN
Kinsevere phase 3	KPRC009	29	30	CBL		CMN
Kinsevere phase 3	KPRC009	30	31	CBL		CMN
Kinsevere phase 3	KPRC009	31	40	CBL		CMN
Kinsevere phase 3	KPRC009	40	47	CBL		CMN
Kinsevere phase 3	KPRC009	47	49	CBL		CMN
Kinsevere phase 3	KPRC009	49	67	CBL		CMN
Kinsevere phase 3	KPRC009	67	70	CBL		CMN
Kinsevere phase 3	KPRC009	70	81	CBL		CMN
Kinsevere phase 3	KPRC010	0	1	NR		NR
Kinsevere phase 3	KPRC010	1	12	SOL		CMN
Kinsevere phase 3	KPRC010	12	17	CBL		CMN
Kinsevere phase 3	KPRC010	17	19	CBL		CMN
Kinsevere phase 3	KPRC010	19	21	CBL		CMN
Kinsevere phase 3	KPRC010	21	23	CBL		CMN

Kinsevere phase 3	KPRC010	23	25	CBL	CMN
Kinsevere phase 3	KPRC010	25	26	CBL	CMN
Kinsevere phase 3	KPRC010	26	27	CBL	CMN
Kinsevere phase 3	KPRC010	27	32	CBL	CMN
Kinsevere phase 3	KPRC010	32	34	CBL	CMN
Kinsevere phase 3	KPRC010	34	35	CBL	CMN
Kinsevere phase 3	KPRC010	35	42	CBL	CMN
Kinsevere phase 3	KPRC010	42	44	CBL	CMN
Kinsevere phase 3	KPRC010	44	48	CBL	CMN
Kinsevere phase 3	KPRC010	48	49	NR	NR
Kinsevere phase 3	KPRC010	49	77	CBL	CMN
Kinsevere phase 3	KPRC010	77	80	CBL	CMN
Kinsevere phase 3	KPRC010	80	85	CBL	CMN
Kinsevere phase 3	KPRC010	85	87	SST	CMN
Kinsevere phase 3	KPRC010	87	100	CBL	CMN
Kinsevere phase 3	KPRC011	0	1	NR	NR
Kinsevere phase 3	KPRC011	1	13	SOL	CMN
Kinsevere phase 3	KPRC011	13	14	CBL	CMN
Kinsevere phase 3	KPRC011	14	20	CBL	CMN
Kinsevere phase 3	KPRC011	20	46	CBL	CMN
Kinsevere phase 3	KPRC011	46	48	CBL	CMN
Kinsevere phase 3	KPRC011	48	49	NR	NR
Kinsevere phase 3	KPRC011	49	52	CBL	CMN
Kinsevere phase 3	KPRC011	52	53	NR	NR
Kinsevere phase 3	KPRC011	53	54	CBL	CMN
Kinsevere phase 3	KPRC011	54	57	NR	NR
Kinsevere phase 3	KPRC011	57	61	CBL	CMN
Kinsevere phase 3	KPRC011	61	62	NR	NR
Kinsevere phase 3	KPRC011	62	86	CBL	CMN
Kinsevere phase 3	KPRC012	0	3	CBL	RAT
Kinsevere phase 3	KPRC012	3	11	SOL	CMN
Kinsevere phase 3	KPRC012	11	34	DLL	SOL
Kinsevere phase 3	KPRC012	34	60	DLL	RAT
Kinsevere phase 3	KPRC012	60	66	DLH	DSTR
Kinsevere phase 3	KPRC012	66	81	DLH	SD
Kinsevere phase 3	KPRC012	81	82	NR	NR
Kinsevere phase 3	KPRC012	82	99	DLH	SD
Kinsevere phase 3	KPRC012	99	111	DLH	SD
Kinsevere phase 3	KPRC013	0	10	SOL	SOL
Kinsevere phase 3	KPRC013	10	79	DLH	SD
Kinsevere phase 3	KPRC013	79	87	DLH	SD
Kinsevere phase 3	KPRC013	87	106	DLH	SD
Kinsevere phase 3	KPRC013	106	121	CBL	CMN
Kinsevere phase 3	KPRC014	0	22	SOL	SOL
Kinsevere phase 3	KPRC014	22	36	CBL	CMN
Kinsevere phase 3	KPRC014	36	64	CBL	CMN
Kinsevere phase 3	KPRC014	64	76	CBM	CMN
Kinsevere phase 3	KPRC014	76	150	CBL	CMN
Kinsevere phase 3	KPRC015	0	1	NR	NR
Kinsevere phase 3	KPRC015	1	14	SOL	CMN
Kinsevere phase 3	KPRC015	14	36	CBL	CMN
Kinsevere phase 3	KPRC015	36	47	CBM	CMN
Kinsevere phase 3	KPRC015	47	67	CBM	CMN
Kinsevere phase 3	KPRC015	67	69	CBL	CMN
Kinsevere phase 3	KPRC015	69	99	CBL	CMN
Kinsevere phase 3	KPRC015	99	100	CBM	CMN
Kinsevere phase 3	KPRC016	0	7	SOL	SOL
Kinsevere phase 3	KPRC016	7	45	DLL	GRAT
Kinsevere phase 3	KPRC016	45	57	DLH	DSTR
Kinsevere phase 3	KPRC016	57	65	DLH	SD
Kinsevere phase 3	KPRC016	65	86	DLH	SD
Kinsevere phase 3	KPRC017	0	3	SOL	SOL
Kinsevere phase 3	KPRC017	3	46	DLH	SD

Kinsevere phase 3		KPRC017		46	52	DLL	CMN
Kinsevere phase 3		KPRC017		52	61	CBL	CMN
Kinsevere phase 3		KPRC017		61	63	NR	NR
Kinsevere phase 3		KPRC017		63	65	CBL	CMN
Kinsevere phase 3		KPRC017		65	83	CBM	CMN
Kinsevere phase 3		KPRC017		85	101	CBM	CMN
Kinsevere phase 3		KPRC018		10	12	SOL	SOL
Kinsevere phase 3		KPRC018		12	18	CBL	CMN
Kinsevere phase 3		KPRC018		18	26	CBL	CMN
Kinsevere phase 3		KPRC018		26	27	NR	NR
Kinsevere phase 3		KPRC018		27	29	CBL	CMN
Kinsevere phase 3		KPRC018		29	30	NR	NR
Kinsevere phase 3		KPRC018		30	41	CBL	CMN
Kinsevere phase 3		KPRC018		41	54	CBL	CMN
Kinsevere phase 3		KPRC018		54	120	CBL	CMN
			ca				
Kinsevere phase 3		KPRC019		0	5	NR	NR
Kinsevere phase 3		KPRC019		5	8	SOL	SOL
Kinsevere phase 3		KPRC019		8	14	CBL	CMN
Kinsevere phase 3		KPRC019		14	25	CBL	CMN
Kinsevere phase 3		KPRC019		25	46	CBL	CMN
Kinsevere phase 3		KPRC019		46	57	CBL	CMN
Kinsevere phase 3		KPRC019		57	112	CBL	CMN
	3.00E-02		ca				
Kinsevere phase 3		KPRC019		112	120	CBL	CMN
Kinsevere phase 3		KPRC020		0	1	NR	NR
Kinsevere phase 3		KPRC020		1	5	sol	SOL
Kinsevere phase 3		KPRC020		5	34	CBL	CMN
Kinsevere phase 3		KPRC020		34	80	CBL	CMN
Kinsevere phase 3		KPRC021		0	1	NR	NR
Kinsevere phase 3		KPRC021		1	5	SOL	SOL
Kinsevere phase 3		KPRC021		5	65	DLL	GRAT
Kinsevere phase 3		KPRC021		65	68	DLH	SD
Kinsevere phase 3		KPRC021		68	89	DLH	SD
Kinsevere phase 3		KPRC021		89	97	DLH	SD
Kinsevere phase 3		KPRC021		97	102	DLH	SD
Kinsevere phase 3		KPRC021		102	131	DLH	SD
Kinsevere phase 3		KPRC021		131	136	DLH	SD
Kinsevere phase 3		KPRC021		136	150	DLH	SD
Kinsevere phase 3		KPRC022		0	5	DLH	SOL
Kinsevere phase 3		KPRC022		5	51	SOL	SD
Kinsevere phase 3		KPRC022		57	65	DLH	SD
Kinsevere phase 3		KPRC022		65	76	DLH	CMN
Kinsevere phase 3		KPRC022		76	84	CBL	CMN
Kinsevere phase 3		KPRC022		84	87	CBL	CMN
Kinsevere phase 3		KPRC022		87	130	CBL	CMN
Kinsevere phase 3		KPRC023		0	4	NR	NR
Kinsevere phase 3		KPRC023		4	6	SOL	GRAT
Kinsevere phase 3		KPRC023		6	40	SLT	GRAT
Kinsevere phase 3		KPRC023		40	80	SLT	GRAT
Kinsevere phase 3		KPRC024		0	1	NR	GRAT
Kinsevere phase 3		KPRC024		1	3	SOL	SOL
Kinsevere phase 3		KPRC024		3	20	SLT	GRAT
Kinsevere phase 3		KPRC024		20	80	SLT	GRAT
Kinsevere phase 3		KPRC025		0	2	SOL	SOL
Kinsevere phase 3		KPRC025		2	38	SLT	GRAT
Kinsevere phase 3		KPRC025		38	44	SLT	GRAT
Kinsevere phase 3		KPRC025		44	80	SLT	GRAT
Kinsevere phase 3		KPRC026		0	6	SOL	SOL
Kinsevere phase 3		KPRC026		6	86	SLT	DLL SD
Kinsevere phase 3		KPRC026		86	150	SLT	DLL SD
Kinsevere phase 3		KPRC027		0	6	NR	NR
Kinsevere phase 3		KPRC027		6	7	SOL	CMN

Kinsevere phase 3	KPRC027		7	56	SST	CBS	CMN
Kinsevere phase 3	KPRC027		56	57	SST	CBS	CMN
Kinsevere phase 3	KPRC027		57	64	NR		NR
Kinsevere phase 3	KPRC027		64	80	SLT	CBS	CMN
Kinsevere phase 3	KPRC027		80	100	SST	CBS	CMN
Kinsevere phase 3	KPRC028		0	2	SOL		SOL
Kinsevere phase 3	KPRC028		2	4	NR		NR
Kinsevere phase 3	KPRC028		4	5	SOL		SOL
Kinsevere phase 3	KPRC028		5	6	NR		NR
Kinsevere phase 3	KPRC028		6	9	SOL		SOL
Kinsevere phase 3	KPRC028		9	13	SOL		SOL
Kinsevere phase 3	KPRC028		13	42	SST	CBS	CMN
Kinsevere phase 3	KPRC028		42	45	SLT	CBH	CMN
Kinsevere phase 3	KPRC028		45	61	SST	CBS	CMN
Kinsevere phase 3	KPRC028		61	86	SLT	CBM	CMN
Kinsevere phase 3	KPRC029		0	1	NR		NR
Kinsevere phase 3	KPRC029		1	7	SOL	DLL	DSTR
Kinsevere phase 3	KPRC029		7	44	SLT	DLL	DSTR
Kinsevere phase 3	KPRC029		44	54	SST		DSTR
Kinsevere phase 3	KPRC029		54	67	SLT	DLL	SD
Kinsevere phase 3	KPRC029		67	72	SLT	DLL	SD
Kinsevere phase 3	KPRC029		72	92	SLT	DLL	SD
Kinsevere phase 3	KPRC029		92	120	SLT	DLL	SD
Kinsevere phase 3	KPRC030		0	1	NR		NR
Kinsevere phase 3	KPRC030		1	5	SOL		SOL
Kinsevere phase 3	KPRC030		5	26	SST	CBS	KU
Kinsevere phase 3	KPRC030		26	73	SLT	DLL	GRAT
Kinsevere phase 3	KPRC030		73	87	SST	DLL	DSTR
Kinsevere phase 3	KPRC030		87	94	SLT	DLL	SD
Kinsevere phase 3	KPRC030		94	95	SLT	DLL	SD
Kinsevere phase 3	KPRC030		95	103	SLT	DLL	SD
Kinsevere phase 3	KPRC030		103	140	SLT	DLL	SD
Kinsevere phase 3	KPRC031		0	1	NR		NR
Kinsevere phase 3	KPRC031		1	5	SOL		SD
Kinsevere phase 3	KPRC031		5	39	SLT	DLL	SD
Kinsevere phase 3	KPRC031		39	50	SLT	DLL	SD
Kinsevere phase 3	KPRC031		50	65	SLT	DLL	SD
Kinsevere phase 3	KPRC031		65	72	SLT	DLL	SD
Kinsevere phase 3	KPRC031		72	78	SLT	DLL	SD
Kinsevere phase 3	KPRC031		78	83	SLT	DLL	SD
Kinsevere phase 3	KPRC031		83	90	SLT	DLL	SD
Kinsevere phase 3	KPRC031		90	104	SLT	DLL	SD
Kinsevere phase 3	KPRC031		104	120	SLT	CBM	SD
Kinsevere phase 3	KPRC032		0	1	NR		NR
Kinsevere phase 3	KPRC032		1	8	SOL		SOL
Kinsevere phase 3	KPRC032		8	23	SLT	DLL	CMN
		ca	M				
Kinsevere phase 3	KPRC032		23	28	SLT	CBM	CMN
Kinsevere phase 3	KPRC032		28	51	SLT	CBM	CMN
Kinsevere phase 3	KPRC032		51	69	SLT	CBS	CMN
Kinsevere phase 3	KPRC032		69	72	NR		NR
Kinsevere phase 3	KPRC032		72	76	SLT	CBS	CMN
Kinsevere phase 3	KPRC032		76	80	SLT	CBM	CMN
Kinsevere phase 3	KPRC032		80	83	SLT	CBM	CMN
Kinsevere phase 3	KPRC032		83	87	SLT	CBS	CMN
Kinsevere phase 3	KPRC032		87	118	SLT	DLL	CMN
Kinsevere phase 3	KPRC032		118	133	SLT	CBM	CMN
Kinsevere phase 3	KPRC033		0	1	NR		NR
Kinsevere phase 3	KPRC033		1	12	SOL		CMN
Kinsevere phase 3	KPRC033		12	30	SST	DLL	CMN
Kinsevere phase 3	KPRC033		30	45	SST	DLL	CMN
Kinsevere phase 3	KPRC033		45	100	SLT	DLL	CMN
Kinsevere phase 3	KPRC034		0	6	CBL		CMN

Kinsevere phase 3	KPRC034	6	71	CBL	CMN	
Kinsevere phase 3	KPRC034	71	120	CBL	CMN	
0.001	ca					
Kinsevere phase 3	KPRC035	0	1	NR	NR	
Kinsevere phase 3	KPRC035	1	5	SOL	CMN	
Kinsevere phase 3	KPRC035	5	17	CBL	CMN	
hm						
Kinsevere phase 3	KPRC035	17	34	CBL	CMN	
3.00E-02	ca					
Kinsevere phase 3	KPRC035	34	43	CBL	CMN	
2	ca					
Kinsevere phase 3	KPRC035	43	110	CBL	CMN	
	ca					
Kinsevere phase 3	KPRC036	0	9	SOL	SOL	
Kinsevere phase 3	KPRC036	9	61	DLS	GRAT	
Kinsevere phase 3	KPRC036	61	77	DLL	DSTR	
	ca					
Kinsevere phase 3	KPRC036	77	86	DLL	SD	
Kinsevere phase 3	KPRC036	86	87	NR	NR	
Kinsevere phase 3	KPRC036	87	91	DLL	SD	
Kinsevere phase 3	KPRC036	91	140	DLL	SD	
Kinsevere phase 3	KPRC037	0	5	SOL	SOL	
Kinsevere phase 3	KPRC037	5	85	DLH	SD	
Kinsevere phase 3	KPRC037	85	106	CBX	SD	
Kinsevere phase 3	KPRC037	106	107	CBX	CMN	
Kinsevere phase 3	KPRC037	107	119	CBL	CMN	
Kinsevere phase 3	KPRC037	119	126	CBL	GRAT	
Kinsevere phase 3	KPRC037	126	140	CBL	CMN	
Kinsevere phase 3	KPRC038	0	6	SOL	SOL	
Kinsevere phase 3	KPRC038	6	13	CBL	CMN	
Kinsevere phase 3	KPRC038	13	45	CBL	CMN	
Kinsevere phase 3	KPRC038	45	55	CBL	CMN	
Kinsevere phase 3	KPRC038	55	96	CBL	CMN	
Kinsevere phase 3	KPRC039	0	1	NR	NR	
Kinsevere phase 3	KPRC039	1	4	SOL	SOL	
Kinsevere phase 3	KPRC039	4	13	CBL	CMN	
Kinsevere phase 3	KPRC039	13	37	CBL	CMN	
Kinsevere phase 3	KPRC039	37	44	CBL	CMN	
Kinsevere phase 3	KPRC039	44	61	CBL	CMN	
Kinsevere phase 3	KPRC039	61	65	CBL	CMN	
Kinsevere phase 3	KPRC039	65	69	NR	NR	
Kinsevere phase 3	KPRC039	69	100	CBL	CMN	
Kinsevere phase 3	KPRC040	0	1	NR	NR	
Kinsevere phase 3	KPRC040	1	10	SOL	SOL	
Kinsevere phase 3	KPRC040	10	30	DLL	GRAT	
Kinsevere phase 3	KPRC040	30	38	DLL	DSTR	
Kinsevere phase 3	KPRC040	38	45	DLH	SD	
Kinsevere phase 3	KPRC040	45	63	DLH	SD	
Kinsevere phase 3	KPRC040	63	90	DLH	SD	
Kinsevere phase 3	KPRC040	90	100	DLH	SD	
Kinsevere phase 3	KPRC041	0	3	NR	NR	
Kinsevere phase 3	KPRC041	3	4	sol	SOL	
Kinsevere phase 3	KPRC041	4	39	DLL	CMN	
Kinsevere phase 3	KPRC041	39	46	CBL	CMN	
Kinsevere phase 3	KPRC041	46	48	CBL	CMN	
Kinsevere phase 3	KPRC041	48	56	CBL	CMN	
Kinsevere phase 3	KPRC041	56	100	CBL	CMN	
Kinsevere phase 3	KPRC042	0	1	NR	NR	
Kinsevere phase 3	KPRC042	1	2	SOL	SOL	
Kinsevere phase 3	KPRC042	2	3	NR	NR	
Kinsevere phase 3	KPRC042	3	4	SOL	SOL	
Kinsevere phase 3	KPRC042	4	5	NR	NR	
Kinsevere phase 3	KPRC042	5	12	SOL	SOL	

Kinsevere phase 3	KPRC042	12	20	CBL		CMN
Kinsevere phase 3	KPRC042	20	55	CBL		CMN
Kinsevere phase 3	KPRC042	55	60	CBL		CMN
Kinsevere phase 3	KPRC042	60	100	CBL		CMN
Kinsevere phase 3	KPRC043	0	4	NR		NR
Kinsevere phase 3	KPRC043	4	13	SOL		SOL
Kinsevere phase 3	KPRC043	13	30	CBL		CMN
Kinsevere phase 3	KPRC043	30	43	DLH		CMN
Kinsevere phase 3	KPRC043	43	56	CBL		CMN
Kinsevere phase 3	KPRC043	56	89	CBM		CMN
Kinsevere phase 3	KPRC043	89	105	CBL		CMN
Kinsevere phase 3	KPRC044	0	2	NR		NR
Kinsevere phase 3	KPRC044	2	15	SOL		SOL
Kinsevere phase 3	KPRC044	15	69	DLL		GRAT
Kinsevere phase 3	KPRC044	69	87	DLH		DSTR
Kinsevere phase 3	KPRC044	87	95	DLH		SD
Kinsevere phase 3	KPRC044	95	120	DLH		SD
Kinsevere phase 3	KPRC045	0	4	NR		NR
Kinsevere phase 3	KPRC045	4	7	SOL		SOL
Kinsevere phase 3	KPRC045	7	54	DLH		SD
Kinsevere phase 3	KPRC045	54	91	DLH		SD
Kinsevere phase 3	KPRC045	91	100	DLL		CMN
Kinsevere phase 3	KPRC046	0	3	NR		NR
Kinsevere phase 3	KPRC046	3	6	SOL		SOL
Kinsevere phase 3	KPRC046	6	13	DLH		SD
Kinsevere phase 3	KPRC046	13	62	CBL		CMN
Kinsevere phase 3	KPRC046	62	97	DLL		CMN
Kinsevere phase 3	KPRC047	0	5	NR		NR
Kinsevere phase 3	KPRC047	5	19	SOL		CMN
Kinsevere phase 3	KPRC047	19	25	CBL		CMN
Kinsevere phase 3	KPRC047	25	35	CBL		CMN
Kinsevere phase 3	KPRC047	35	50	CBL		CMN
Kinsevere phase 3	KPRC047	50	52	NR		NR
Kinsevere phase 3	KPRC047	52	53	CBL		CMN
Kinsevere phase 3	KPRC047	53	54	NR		NR
Kinsevere phase 3	KPRC047	54	58	CBL		CMN
Kinsevere phase 3	KPRC047	58	60	NR		NR
Kinsevere phase 3	KPRC047	60	61	CBL		CMN
Kinsevere phase 3	KPRC047	61	64	NR		NR
Kinsevere phase 3	KPRC047	64	100	CBL		CMN
Kinsevere phase 3	KPRC048	0	4	NR		NR
Kinsevere phase 3	KPRC048	4	14	SOL		CMN
Kinsevere phase 3	KPRC048	14	40	CBL		CMN
	2	ca				
Kinsevere phase 3	KPRC048	40	49	CBL		CMN
Kinsevere phase 3	KPRC048	49	71	CBL		CMN
Kinsevere phase 3	KPRC048	71	89	CBL		CMN
Kinsevere phase 3	KPRC049	0	5	NR		NR
Kinsevere phase 3	KPRC049	5	8	SOL		CMN
Kinsevere phase 3	KPRC049	8	12	SST	CBS	CMN
Kinsevere phase 3	KPRC049	12	40	SST	CBM	CMN
Kinsevere phase 3	KPRC049	40	57	SLT	CBM	CMN
Kinsevere phase 3	KPRC049	57	89	SLT	DLL	CMN
Kinsevere phase 3	KPRC050	0	2	NR		NR
Kinsevere phase 3	KPRC050	2	53	slt	DLL	SD
Kinsevere phase 3	KPRC050	53	112	slt	DLL	SD
Kinsevere phase 3	KPRC050	112	120	slt	DLL	SD
Kinsevere phase 3	KPRC051	0	2	NR		NR
Kinsevere phase 3	KPRC051	2	6	sol		SOL
Kinsevere phase 3	KPRC051	6	56	SLT	DLL	SD
Kinsevere phase 3	KPRC051	56	80	SLT	DLL	SD
Kinsevere phase 3	KPRC051	80	89	SLT	DLL	SD
Kinsevere phase 3	KPRC051	89	100	SLT	DLL	CMN

Kinsevere phase 3	KPRC051	100	120	SLT	CBM	SD
Kinsevere phase 3	KPRC052	0	4	NR		NR
Kinsevere phase 3	KPRC052	4	23	SLT	DLL	SD
Kinsevere phase 3	KPRC052	23	76	SLT	CBM	CMN
Kinsevere phase 3	KPRC052	76	120	SLT	CBM	CMN
Kinsevere phase 3	KPRC053	0	2	NR		NR
Kinsevere phase 3	KPRC053	2	4	SLT		SOL
Kinsevere phase 3	KPRC053	4	10	SLT		GRAT
Kinsevere phase 3	KPRC053	10	100	SLT		GRAT
Kinsevere phase 3	KPRC054	0	2	NR		NR
Kinsevere phase 3	KPRC054	2	11	SOL		SOL
Kinsevere phase 3	KPRC054	11	19	SOL		SOL
Kinsevere phase 3	KPRC054	19	25	SOL		SOL
Kinsevere phase 3	KPRC054	25	44	SHA	SLT	KU
Kinsevere phase 3	KPRC054	44	66	SLT		RAT
Kinsevere phase 3	KPRC054	66	74	SLT		DSTR
Kinsevere phase 3	KPRC054	74	79	SLT		SD
Kinsevere phase 3	KPRC054	79	95	SHA		SD
Kinsevere phase 3	KPRC054	95	140	SHA		SD
Kinsevere phase 3	KPRC055	0	3	NR		NR
Kinsevere phase 3	KPRC055	3	40	SHA		SD
Kinsevere phase 3	KPRC055	40	90	SLT		SD
Kinsevere phase 3	KPRC055	90	100	SHA	SLT	SD
Kinsevere phase 3	KPRC055	100	108	SST		CMN
Kinsevere phase 3	KPRC055	108	140	SST		SD
Kinsevere phase 3	KPRC056	0	4	NR		NR
Kinsevere phase 3	KPRC056	4	10	SOL		CMN
Kinsevere phase 3	KPRC056	10	26	SST	CBS	CMN
Kinsevere phase 3	KPRC056	26	42	SST	DLL	CMN
Kinsevere phase 3	KPRC056	42	46	SST	DLL	CMN
Kinsevere phase 3	KPRC056	46	51	SST	CBM	CMN
Kinsevere phase 3	KPRC056	51	87	SST	CBM	CMN
Kinsevere phase 3	KPRC056	87	93	SST		CMN
Kinsevere phase 3	KPRC056	93	110	SST		CMN
Kinsevere phase 3	KPRC057	0	4	NR		NR
Kinsevere phase 3	KPRC057	4	9	SOL		CMN
Kinsevere phase 3	KPRC057	9	13	SLT	CBH	CMN
Kinsevere phase 3	KPRC057	13	41	SST	CBH	CMN
Kinsevere phase 3	KPRC057	41	52	SST	CBH	CMN
Kinsevere phase 3	KPRC057	52	90	SLT	CBM	CMN
Kinsevere phase 3	KPRC058	0	3	NR		NR
Kinsevere phase 3	KPRC058	3	7	SOL		GRAT
Kinsevere phase 3	KPRC058	7	21	SLT	DLL	DSTR
Kinsevere phase 3	KPRC058	21	32	SLT		DSTR
Kinsevere phase 3	KPRC058	32	51	SLT	DLL	DSTR
Kinsevere phase 3	KPRC058	51	57	SLT	DLL	DSTR
Kinsevere phase 3	KPRC058	57	59	SST	CBM	DSTR
Kinsevere phase 3	KPRC058	59	61	SST	CBM	DSTR
Kinsevere phase 3	KPRC058	61	65	SST	DLL	DSTR
Kinsevere phase 3	KPRC058	65	70	SLT	DLL	SD
Kinsevere phase 3	KPRC058	70	77	SLT	DLL	SD
Kinsevere phase 3	KPRC058	77	90	SLT	DLL	SD
Kinsevere phase 3	KPRC058	90	107	SLT	DLL	SD
Kinsevere phase 3	KPRC058	107	117	SLT	DLL	SD
Kinsevere phase 3	KPRC058	117	140	SLT	DLL	SD
Kinsevere phase 3	KPRC059	0	3	NR		NR
Kinsevere phase 3	KPRC059	3	9	SOL		SOL
Kinsevere phase 3	KPRC059	9	24	SLT	DLL	SD
Kinsevere phase 3	KPRC059	24	120	SLT	DLL	SD
Kinsevere phase 3	KPRC060	0	1	NR		CMN
Kinsevere phase 3	KPRC060	1	4	SOL		SOL
Kinsevere phase 3	KPRC060	4	8	SOL		SOL
Kinsevere phase 3	KPRC060	8	22	SST	CBM	CMN

Kinsevere phase 3	KPRC060	22	29	SST	CBM	CMN
Kinsevere phase 3	KPRC060	29	36	SST		CMN
Kinsevere phase 3	KPRC060	36	40	SST	CBM	CMN
Kinsevere phase 3	KPRC060	41	52	SST	CBM	CMN
Kinsevere phase 3	KPRC060	52	65	NR		NR
Kinsevere phase 3	KPRC060	65	67	SST	CBM	CMN
Kinsevere phase 3	KPRC060	67	85	SLT	CBM	CMN
Kinsevere phase 3	KPRC061	0	5	NR		CMN
Kinsevere phase 3	KPRC061	5	9	SOL		SOL
Kinsevere phase 3	KPRC061	9	12	SST	CBS	CMN
Kinsevere phase 3	KPRC061	12	18	SLT	CBM	CMN
Kinsevere phase 3	KPRC061	18	35	SST	CBS	CMN
Kinsevere phase 3	KPRC061	35	40	SLT		CMN
Kinsevere phase 3	KPRC061	40	47	SST	CBS	CMN
Kinsevere phase 3	KPRC061	47	73	SLT	CBM	CMN
Kinsevere phase 3	KPRC061	73	101	SLT	CBM	CMN
Kinsevere phase 3	KPRC062	0	4	NR		RAT
Kinsevere phase 3	KPRC062	4	7	SOL		SOL
Kinsevere phase 3	KPRC062	7	21	SLT		GRAT
Kinsevere phase 3	KPRC062	21	50	SLT		GRAT
Kinsevere phase 3	KPRC062	50	81	SLT		GRAT
Kinsevere phase 3	KPRC063	0	4	NR		RAT
Kinsevere phase 3	KPRC063	4	10	SOL		SOL
Kinsevere phase 3	KPRC063	10	16	SLT		GRAT
Kinsevere phase 3	KPRC063	16	42	SLT	DLL	DSTR
Kinsevere phase 3	KPRC063	42	54	SLT	DLL	DSTR
Kinsevere phase 3	KPRC063	54	67	SLT	DLL	SD
Kinsevere phase 3	KPRC063	67	72	SLT	DLL	SD
Kinsevere phase 3	KPRC063	72	140	SLT	DLL	SD
Kinsevere phase 3	KPRC064	0	4	NR		SD
Kinsevere phase 3	KPRC064	4	6	SOL		SOL
Kinsevere phase 3	KPRC064	6	39	SLT	DLL	SD
Kinsevere phase 3	KPRC064	39	42	SLT	DLL	SD
Kinsevere phase 3	KPRC064	42	80	SLT	CBM	CMN
Kinsevere phase 3	KPRC064	80	100	SLT	CBM	CMN
Kinsevere phase 3	KPRC065	0	6	NR		CMN
Kinsevere phase 3	KPRC065	6	10	SOL		SOL
Kinsevere phase 3	KPRC065	10	33	SST	DLL	CMN
Kinsevere phase 3	KPRC065	33	48	SLT		CMN
Kinsevere phase 3	KPRC065	48	64	SLT	DLL	CMN
Kinsevere phase 3	KPRC065	64	100	SLT	DLL	CMN
Kinsevere phase 3	KPRC066	0	4	NR		CMN
Kinsevere phase 3	KPRC066	4	10	SOL		SOL
Kinsevere phase 3	KPRC066	10	39	SST	CBM	CMN
Kinsevere phase 3	KPRC066	39	59	SLT	CBM	CMN
Kinsevere phase 3	KPRC067	0	3	NR		NR
Kinsevere phase 3	KPRC067	3	7	SOL		SOL
Kinsevere phase 3	KPRC067	7	32	CBL	SLT	GRAT
Kinsevere phase 3	KPRC067	32	85	CBL	SLT	GRAT
Kinsevere phase 3	KPRC068	0	5	NR		NR
Kinsevere phase 3	KPRC068	5	6	SOL		SOL
Kinsevere phase 3	KPRC068	6	8	NR		NR
Kinsevere phase 3	KPRC068	8	15	CBL	SLT	GRAT
Kinsevere phase 3	KPRC068	15	18	CBL	SLT	GRAT
Kinsevere phase 3	KPRC068	78	80	DLH	SHA	SD
Kinsevere phase 3	KPRC069	0	5	NR		NR
Kinsevere phase 3	KPRC069	5	13	SOL		SOL
Kinsevere phase 3	KPRC069	13	27	CBL	SLT	GRAT
Kinsevere phase 3	KPRC069	27	28	CBL	SLT	GRAT
Kinsevere phase 3	KPRC069	28	35	CBL	SLT	GRAT
Kinsevere phase 3	KPRC069	35	43	CBL	SLT	GRAT
Kinsevere phase 3	KPRC069	43	50	CBL	SLT	CMN
Kinsevere phase 3	KPRC069	50	52	CBL	SLT	GRAT

Kinsevere phase 3	KPRC069	52	53	CBL	SLT	CMN
Kinsevere phase 3	KPRC069	63	68	CBL	SLT	GRAT
Kinsevere phase 3	KPRC069	68	100	CBL		KU
Kinsevere phase 3	KPRC070	0	2	NR		NR
Kinsevere phase 3	KPRC070	2	5	SOL	SST	SOL
Kinsevere phase 3	KPRC070	5	8	NR		NR
Kinsevere phase 3	KPRC070	8	62	CBS	SST	CMN
Kinsevere phase 3	KPRC070	62	81	CBS		CMN
Kinsevere phase 3	KPRC070	81	100	DLL	SLT	GRAT
Kinsevere phase 3	KPRC071	0	5	NR		NR
Kinsevere phase 3	KPRC071	5	11	SOL		CMN
Kinsevere phase 3	KPRC071	11	16	SST	CBS	CMN
Kinsevere phase 3	KPRC071	16	22	SHA	DLH	CMN
Kinsevere phase 3	KPRC071	22	38	SST	CBM	CMN
Kinsevere phase 3	KPRC071	38	48	SLT	CBM	CMN
Kinsevere phase 3	KPRC071	48	57	SST	CBS	CMN
Kinsevere phase 3	KPRC072	0	5	NR		NR
Kinsevere phase 3	KPRC072	5	9	SOL		CMN
Kinsevere phase 3	KPRC072	9	18	SST	CBS	CMN
Kinsevere phase 3	KPRC072	18	23	SLT	CBM	CMN
Kinsevere phase 3	KPRC072	23	24	SLT	CBS	CMN
Kinsevere phase 3	KPRC072	24	26	SLT	CBS	CMN
Kinsevere phase 3	KPRC072	26	32	SLT	CBM	CMN
Kinsevere phase 3	KPRC072	32	40	SLT	CBM	CMN
Kinsevere phase 3	KPRC072	40	44	SST	CBS	CMN
Kinsevere phase 3	KPRC072	44	57	SLT	CBS	CMN
Kinsevere phase 3	KPRC073	0	5	NR		NR
Kinsevere phase 3	KPRC073	5	11	SOL		CMN
Kinsevere phase 3	KPRC073	11	16	SLT		CMN
Kinsevere phase 3	KPRC073	16	65	SLT	CBM	CMN
Kinsevere phase 3	KPRC073	65	72	SLT	CBM	CMN
Kinsevere phase 3	KPRC073	72	74	SLT	CBM	CMN
Kinsevere phase 3	KPRC073	74	80	SLT	CBM	CMN
Kinsevere phase 3	KPRC074	0	2	NR		NR
Kinsevere phase 3	KPRC074	2	10	SOL		CMN
Kinsevere phase 3	KPRC074	10	30	SST	CBS	CMN
Kinsevere phase 3	KPRC074	30	37	SST	CBS	CMN
Kinsevere phase 3	KPRC074	37	42	SST	CBS	CMN
Kinsevere phase 3	KPRC074	42	45	SLT	CBM	CMN
Kinsevere phase 3	KPRC074	45	52	SLT		CMN
Kinsevere phase 3	KPRC074	52	60	SHA	CBM	CMN
Kinsevere phase 3	KPRC074	60	69	SLT	CBM	CMN
Kinsevere phase 3	KPRC074	69	80	SLT	CBM	CMN
Kinsevere phase 3	KPRC075	0	5	NR		NR
Kinsevere phase 3	KPRC075	5	7	SOL		CMN
Kinsevere phase 3	KPRC075	7	20	SST	CBS	CMN
Kinsevere phase 3	KPRC075	20	30	SLT	CBM	CMN
Kinsevere phase 3	KPRC075	30	43	SST	CBS	CMN
Kinsevere phase 3	KPRC075	43	58	SLT	CBM	CMN
Kinsevere phase 3	KPRC075	58	60	NR		NR
Kinsevere phase 3	KPRC075	60	75	SLT	CBS	CMN
Kinsevere phase 3	KPRC075	75	80	SLT	CBM	CMN
Kinsevere phase 3	KPRC076	0	5	NR		CMN
Kinsevere phase 3	KPRC076	5	7	SOL		CMN
Kinsevere phase 3	KPRC076	7	15	SST	CBM	CMN
Kinsevere phase 3	KPRC076	15	35	SLT	CBM	CMN
Kinsevere phase 3	KPRC076	35	44	SST	CBS	CMN
Kinsevere phase 3	KPRC076	44	56	SLT	CBM	CMN
Kinsevere phase 3	KPRC076	56	59	UNK		CMN
Kinsevere phase 3	KPRC076	59	64	SST	CBS	CMN
Kinsevere phase 3	KPRC076	64	76	SLT	CBM	CMN
Kinsevere phase 3	KPRC076	76	80	SLT	CBS	CMN
Kinsevere phase 3	KPRC077	0	5	NR		NR

Kinsevere phase 3	KPRC077	5	8	SOL		SOL
Kinsevere phase 3	KPRC077	8	20	SST	CBS	CMN
Kinsevere phase 3	KPRC077	20	25	SLT	CBM	CMN
Kinsevere phase 3	KPRC077	25	26	SLT		CMN
Kinsevere phase 3	KPRC077	26	38	SLT	CBM	CMN
Kinsevere phase 3	KPRC077	38	76	SST	CBS	CMN
Kinsevere phase 3	KPRC077	76	80	SLT	CBS	CMN
Kinsevere phase 3	KVAC001	0	2	UNK		KU
Kinsevere phase 3	KVAC001	2	24	SLT	DLH	KU
Kinsevere phase 3	KVAC001	24	70	SST	CBS	KU
Kinsevere phase 3	KVAC002	0	1	UNK		SOL
Kinsevere phase 3	KVAC002	1	3	SOL		KU
Kinsevere phase 3	KVAC002	3	23	SST	CBM	KU
Kinsevere phase 3	KVAC002	23	50	SLT	DLH	KU
Kinsevere phase 3	KVAC003	0	1	UNK		KU
Kinsevere phase 3	KVAC003	1	50	SLT	DLH	KU
Kinsevere phase 3	KVAC004	0	1	UNK		SOL
Kinsevere phase 3	KVAC004	1	3	SOL		KU
Kinsevere phase 3	KVAC004	3	15	SST	CBM	KU
Kinsevere phase 3	KVAC004	15	27	SLT	DLH	KU
Kinsevere phase 3	KVAC004	27	30	SST	CBM	KU
Kinsevere phase 3	KVAC004	30	38	SLT	CBH	KU
Kinsevere phase 3	KVAC004	38	50	SST	CBS	KU
Kinsevere phase 3	KVAC005	0	24	SLT	DLH	KU
Kinsevere phase 3	KVAC005	24	30	SST	CBS	KU
Kinsevere phase 3	KVAC005	30	45	SLT	DLH	KU
Kinsevere phase 3	KVAC005	45	50	SLT	CBM	KU
Kinsevere phase 3	KVAC006	0	2	SOL		KU
Kinsevere phase 3	KVAC006	2	50	SLT	DLH	KU
Kinsevere phase 3	KVAC007					
Kinsevere phase 3	KVAC008	0	2	SOL		KU
Kinsevere phase 3	KVAC008	2	46	SHA	DLH	KU
Kinsevere phase 3	KVAC008	46	50	SHA	DLH	KU
Kinsevere phase 3	KVAC009	0	38	SHA	DLH	KU
Kinsevere phase 3	KVAC009	38	47	SHA	DLH	KU
Kinsevere phase 3	KVAC009	47	50	SHA	DLH	KU
Kinsevere phase 3	KVAC010	0	2	SOL		KU
Kinsevere phase 3	KVAC010	2	33	SHA	DLH	KU
Kinsevere phase 3	KVAC010	33	35	SLT		KU
Kinsevere phase 3	KVAC010	35	44	SHA	DLH	KU
Kinsevere phase 3	KVAC010	44	50	SHA	DLH	KU
Kinsevere phase 3	KVAC011	0	3	SOL		KU
Kinsevere phase 3	KVAC011	3	10	SLT	DLL	KU
Kinsevere phase 3	KVAC011	10	50	SHA	DLH	KU
Kinsevere phase 3	KVAC012	0	3	SOL		KU
Kinsevere phase 3	KVAC012	3	42	SHA	DLH	KU
Kinsevere phase 3	KVAC012	42	50	SHA	DLH	KU
Kinsevere phase 3	KVAC013	0	3	SOL		KU
Kinsevere phase 3	KVAC013	3	50	SHA	DLH	KU
Kinsevere phase 3	KVAC014	0	2	SOL		
Kinsevere phase 3	KVAC014	2	4	UNK		KU
Kinsevere phase 3	KVAC014	4	36	DLH		KU
Kinsevere phase 3	KVAC014	36	70	CBL		KU
Kinsevere phase 3	KVAC015	0	3	UNK		KU
Kinsevere phase 3	KVAC015	3	55	DLH		KU
Kinsevere phase 3	KVAC015	55	70	CBL		KU
Kinsevere phase 3	KVAC016	0	1	UNK		SOL
Kinsevere phase 3	KVAC016	1	4	SOL		KU
Kinsevere phase 3	KVAC016	4	50	DLH		KU
Kinsevere phase 3	KVAC016	50	63	SST		KU
Kinsevere phase 3	KVAC016	63	67	CBL		KU
Kinsevere phase 3	KVAC016	67	70	CBH		KU
Kinsevere phase 3	KVAC017	0	2	UNK		KU

Kinsevere phase 3	KVAC017	2	49	DLH		KU
Kinsevere phase 3	KVAC017	49	57	CBS	SST	KU
Kinsevere phase 3	KVAC017	57	58	CBL	SLT	KU
Kinsevere phase 3	KVAC017	58	65	CBS	SST	KU
Kinsevere phase 3	KVAC017	65	66	CBL		KU
Kinsevere phase 3	KVAC017	66	70	CBS		KU
Kinsevere phase 3	KVAC018	0	1	UNK		KU
Kinsevere phase 3	KVAC018	1	9	DLH		KU
Kinsevere phase 3	KVAC018	9	43	CBS	SST	KU
Kinsevere phase 3	KVAC018	43	49	DLH		KU
Kinsevere phase 3	KVAC018	49	64	CBS	SST	KU
Kinsevere phase 3	KVAC018	64	69	DLH		KU
Kinsevere phase 3	KVAC018	69	70	CBS		KU
Kinsevere phase 3	KVAC019	0	3	UNK		KU
Kinsevere phase 3	KVAC019	3	9	DLH		KU
Kinsevere phase 3	KVAC019	9	15	CBS	SST	KU
Kinsevere phase 3	KVAC019	15	20	DLH		KU
Kinsevere phase 3	KVAC019	20	31	CBS	SST	KU
Kinsevere phase 3	KVAC019	31	34	DLH		KU
Kinsevere phase 3	KVAC019	34	61	CBS	SST	
Kinsevere phase 3	KVAC019	61	62	UNK		KU
Kinsevere phase 3	KVAC019	62	64	CBS	SST	KU
Kinsevere phase 3	KVAC020	0	1	UNK		KU
Kinsevere phase 3	KVAC020	1	15	DLH		KU
Kinsevere phase 3	KVAC020	15	22	CBS	SST	KU
Kinsevere phase 3	KVAC020	22	43	DLH		KU
Kinsevere phase 3	KVAC020	43	46	CBS	SST	KU
Kinsevere phase 3	KVAC020	46	54	DLH		KU
Kinsevere phase 3	KVAC020	54	70	CBS	SST	KU
Kinsevere phase 3	KVAC021	0	2	UNK		KU
Kinsevere phase 3	KVAC021	2	36	DLH		KU
Kinsevere phase 3	KVAC021	36	45	DLS	SST	KU
Kinsevere phase 3	KVAC021	45	61	CBS	SST	KU
Kinsevere phase 3	KVAC021	61	70	CBS	SST	KU
Kinsevere phase 3	KVAC022	0	1	UNK		KU
Kinsevere phase 3	KVAC022	1	19	UNK		KU
Kinsevere phase 3	KVAC022	19	50	UNK		KU
Kinsevere phase 3	KVAC022	50	60	DLH		KU
Kinsevere phase 3	KVAC023	0	6	SOL		KU
Kinsevere phase 3	KVAC023	6	49	DLH		KU
Kinsevere phase 3	KVAC023	49	60	DLH		KU
Kinsevere phase 3	KVAC024	0	2	UNK		KU
Kinsevere phase 3	KVAC024	2	54	DLH	SST	KU
Kinsevere phase 3	KVAC025	0	1	UNK		SOL
Kinsevere phase 3	KVAC025	1	9	SOL		KU
Kinsevere phase 3	KVAC025	9	52	UNK		KU
Kinsevere phase 3	KVAC025	52	70	DLH	SST	KU
Kinsevere phase 3	KVAC026	0	1	UNK		SOL
Kinsevere phase 3	KVAC026	1	13	SOL		KU
Kinsevere phase 3	KVAC026	13	51	DLH		KU
Kinsevere phase 3	KVAC026	51	60	DLH	SST	KU
Kinsevere phase 3	KVAC027	0	2	UNK		KU
Kinsevere phase 3	KVAC027	2	56	UNK		KU
Kinsevere phase 3	KVAC027	56	70	DLH	SST	KU
Kinsevere phase 3	KVAC028	0	1	SOL		
Kinsevere phase 3	KVAC028	1	3	UNK		SOL
Kinsevere phase 3	KVAC028	3	5	SOL		KU
Kinsevere phase 3	KVAC028	5	25	SHA	DLH	KU
Kinsevere phase 3	KVAC028	25	45	SHA	DLH	KU
Kinsevere phase 3	KVAC028	45	60	SHA	DLH	KU
Kinsevere phase 3	KVAC029	0	2	SOL		KU
Kinsevere phase 3	KVAC029	2	54	SHA	DLH	KU
Kinsevere phase 3	KVAC029	54	60	SLT	CBM	KU

Kinsevere phase 3	KVAC030	0	4	SOL		KU
Kinsevere phase 3	KVAC030	4	20	SLT		KU
Kinsevere phase 3	KVAC030	20	60	SLT	CBH	KU
Kinsevere phase 3	KVAC031	0	1	UNK		KU
Kinsevere phase 3	KVAC031	1	45	SHA	DLH	KU
Kinsevere phase 3	KVAC031	45	60	SHA	DLH	KU
Kinsevere phase 3	KVAC032	0	4	SOL		KU
Kinsevere phase 3	KVAC032	4	28	SLT	CBM	KU
Kinsevere phase 3	KVAC032	28	46	SHA	DLH	KU
Kinsevere phase 3	KVAC032	46	60	SHA	DLH	KU
Kinsevere phase 3	KVAC033	0	5	SOL		KU
Kinsevere phase 3	KVAC033	5	12	SLT		KU
Kinsevere phase 3	KVAC033	12	15	SST	CBM	KU
Kinsevere phase 3	KVAC033	15	49	SHA	DLH	KU
Kinsevere phase 3	KVAC033	49	58	SST	CBM	KU
Kinsevere phase 3	KVAC033	58	60	SLT	CBM	KU
Kinsevere phase 3	KVAC034	0	2	UNK		KU
Kinsevere phase 3	KVAC034	2	15	SHA	DLH	KU
Kinsevere phase 3	KVAC034	15	26	SST	CBM	KU
Kinsevere phase 3	KVAC034	26	41	SHA	DLH	KU
Kinsevere phase 3	KVAC034	41	45	SST		KU
Kinsevere phase 3	KVAC034	45	50	SHA	DLH	KU
Kinsevere phase 3	KVAC034	50	60	SHA	DLH	KU
Kinsevere phase 3	KVAC035	0	1	UNK		SOL
Kinsevere phase 3	KVAC035	1	3	SOL		KU
Kinsevere phase 3	KVAC035	3	29	SHA	DLH	KU
Kinsevere phase 3	KVAC035	29	47	SST	CBM	KU
Kinsevere phase 3	KVAC035	47	60	SST	CBM	KU
Kinsevere phase 3	KVAC036	0	3	UNK		SOL
Kinsevere phase 3	KVAC036	3	4	SOL		KU
Kinsevere phase 3	KVAC036	4	28	SLT		KU
Kinsevere phase 3	KVAC036	28	41	SHA	DLH	
Kinsevere phase 3	KVAC036	41	60	UNK		
Kinsevere phase 3	KVAC037	0	1	UNK		SOL
Kinsevere phase 3	KVAC037	1	3	SOL		KU
Kinsevere phase 3	KVAC037	3	18	SLT		KU
Kinsevere phase 3	KVAC037	18	45	SST		KU
Kinsevere phase 3	KVAC037	45	60	SST	CBH	KU
Kinsevere phase 3	KVAC038	0	2	UNK		SOL
Kinsevere phase 3	KVAC038	2	6	SOL		KU
Kinsevere phase 3	KVAC038	6	13	SLT		KU
Kinsevere phase 3	KVAC038	13	28	SST		KU
Kinsevere phase 3	KVAC038	52	60	SST	CBM	KU
Kinsevere phase 3	KVAC039	0	5	UNK		SOL
Kinsevere phase 3	KVAC039	5	6	SOL		KU
Kinsevere phase 3	KVAC039	6	23	SHA	DLH	KU
Kinsevere phase 3	KVAC039	23	27	SST		KU
Kinsevere phase 3	KVAC039	27	60	SHA	CBM	KU
Kinsevere phase 3	KVAC040	0	1	UNK		SOL
Kinsevere phase 3	KVAC040	1	4	SOL		KU
Kinsevere phase 3	KVAC040	4	45	UNK		KU
Kinsevere phase 3	KVAC040	45	60	SLT		KU
Kinsevere phase 3	KVAC041	0	1	UNK		SOL
Kinsevere phase 3	KVAC041	1	3	SOL		
Kinsevere phase 3	KVAC041	3	5	UNK		SOL
Kinsevere phase 3	KVAC041	5	7	SOL		KU
Kinsevere phase 3	KVAC041	7	13	SLT		KU
Kinsevere phase 3	KVAC041	13	36	SHA	DLH	KU
Kinsevere phase 3	KVAC041	36	60	SST	CBM	KU
Kinsevere phase 3	KVAC042	0	7	UNK		SOL
Kinsevere phase 3	KVAC042	7	12	SOL		KU
Kinsevere phase 3	KVAC042	12	46	UNK		KU
Kinsevere phase 3	KVAC042	46	60	UNK		KU

Kinsevere phase 3	KVAC043	0	1	UNK		SOL
Kinsevere phase 3	KVAC043	1	8	SOL		KU
Kinsevere phase 3	KVAC043	8	51	CBL	SLT	KU
Kinsevere phase 3	KVAC043	51	60	CBL	SLT	KU
Kinsevere phase 3	KVAC044	0	2	UNK		SOL
Kinsevere phase 3	KVAC044	2	5	SOL		KU
Kinsevere phase 3	KVAC044	5	35	DLH	SLT	KU
Kinsevere phase 3	KVAC044	35	44	CBL	SLT	KU
Kinsevere phase 3	KVAC044	44	60	CBL	SLT	KU
Kinsevere phase 3	KVAC045	0	1	UNK		SOL
Kinsevere phase 3	KVAC045	1	6	SOL		KU
Kinsevere phase 3	KVAC045	6	45	DLH	SLT	KU
Kinsevere phase 3	KVAC045	45	60	CBL	SLT	KU
Kinsevere phase 3	KVAC046	0	2	UNK		KU
Kinsevere phase 3	KVAC046	2	6	SOL		KU
Kinsevere phase 3	KVAC046	6	60	CBL		KU
Kinsevere phase 3	KVAC047	0	18	SHA	SLT	Ku
Kinsevere phase 3	KVAC047	18	60	UNK		Ku
Kinsevere phase 3	KVAC048	0	1	UNK		SOL
Kinsevere phase 3	KVAC048	1	5	SOL		KU
Kinsevere phase 3	KVAC048	5	47	SHA	SLT	KU
Kinsevere phase 3	KVAC049	0	2	UNK		KU
Kinsevere phase 3	KVAC049	2	44	SHA	SLT	KU
Kinsevere phase 3	KVAC049	44	60	SLT		KU
Kinsevere phase 3	KVAC050	0	2	UNK		SOL
Kinsevere phase 3	KVAC050	2	4	SOL		KU
Kinsevere phase 3	KVAC050	4	47	SHA	SOL	KU
Kinsevere phase 3	KVAC050	47	60	SST		KU
Kinsevere phase 3	KVAC051	0	4	UNK		Ku
Kinsevere phase 3	KVAC051	4	28	SHA		KU
Kinsevere phase 3	KVAC051	28	60	SLT		KU
Kinsevere phase 3	KVAC052	0	2	UNK		KU
Kinsevere phase 3	KVAC052	2	43	SHA		KU
Kinsevere phase 3	KVAC052	43	60	SLT		KU
Kinsevere phase 3	KVAC053	0	4	UNK		SOL
Kinsevere phase 3	KVAC053	4	7	SOL		KU
Kinsevere phase 3	KVAC053	7	60	DLH	SLT	KU
Kinsevere phase 3	KVAC054	0	4	UNK		
Kinsevere phase 3	KVAC055	0	4	UNK		SOL
Kinsevere phase 3	KVAC055	4	19	SOL		SOL
Kinsevere phase 3	KVAC055	46	60	CBL	SLT	KU
Kinsevere phase 3	KVAC056	0	2	UNK		SOL
Kinsevere phase 3	KVAC056	2	9	SOL		SOL
Kinsevere phase 3	KVAC056	9	13	SOL		SOL
Kinsevere phase 3	KVAC056	19	43	CBS	SST	KU
Kinsevere phase 3	KVAC056	45	48	SST	CBS	CMN
Kinsevere phase 3	KVAC056	48	51	SLT	CBM	CMN
Kinsevere phase 3	KVAC056	51	66	SST	CBS	CMN
Kinsevere phase 3	KVAC056	66	80	SLT	CBM	CMN
Kinsevere phase 3	KVAC057	0	5	UNK		SOL
Kinsevere phase 3	KVAC057	5	7	SOL		SOL
Kinsevere phase 3	KVAC057	43	49	CBL	SLT	KU
Kinsevere phase 3	KVAC058	0	4	UNK		SOL
Kinsevere phase 3	KVAC058	4	9	SOL		KU
Kinsevere phase 3	KVAC058	9	20	SHA	DLH	KU
Kinsevere phase 3	KVAC058	20	29	SST	CBM	KU
Kinsevere phase 3	KVAC058	49	60	CBS	SST	KU
Kinsevere phase 3	KVAC059	0	3	UNK		SOL
Kinsevere phase 3	KVAC059	3	11	SOL		KU
Kinsevere phase 3	KVAC059	11	25	SLT	CBM	KU
Kinsevere phase 3	KVAC059	25	60	SST	CBM	KU
Kinsevere phase 3	KVAC060	0	4	UNK		SOL
Kinsevere phase 3	KVAC060	4	6	SOL		KU

Kinsevere phase 3	KVAC060	6	25	UNK		KU
Kinsevere phase 3	KVAC060	25	27	SST	CBM	KU
Kinsevere phase 3	KVAC060	27	60	SLT	CBM	KU
Kinsevere phase 3	KVAC061	0	5	SOL		KU
Kinsevere phase 3	KVAC061	5	32	SHA	DLH	KU
Kinsevere phase 3	KVAC061	32	54	SHA	DLH	KU
Kinsevere phase 3	KVAC061	54	60	SHA	DLH	KU
Kinsevere phase 3	KVAC062	0	2	UNK		KU
Kinsevere phase 3	KVAC062	2	19	SHA	DLH	KU
Kinsevere phase 3	KVAC062	19	40	SHA	DLH	KU
Kinsevere phase 3	KVAC062	40	60	SHA	DLH	KU
Kinsevere phase 3	KVAC063	0	2	UNK		SOL
Kinsevere phase 3	KVAC063	2	4	SOL		KU
Kinsevere phase 3	KVAC063	4	12	SLT		KU
Kinsevere phase 3	KVAC063	12	60	SHA	DLH	KU
Kinsevere phase 3	KVAC064	0	1	UNK		KU
Kinsevere phase 3	KVAC064	1	44	SHA	CBH	KU
Kinsevere phase 3	KVAC064	53	60	SLT	CBM	KU
Kinsevere phase 3	KVAC065	0	4	UNK		SOL
Kinsevere phase 3	KVAC065	4	5	SOL		KU
Kinsevere phase 3	KVAC065	5	21	SLT	CBM	KU
Kinsevere phase 3	KVAC065	21	50	SST	CBM	KU
Kinsevere phase 3	KVAC065	50	60	SHA	DLH	KU
Kinsevere phase 3	KVAC066	0	5	UNK		SOL
Kinsevere phase 3	KVAC066	5	7	SOL		KU
Kinsevere phase 3	KVAC066	7	24	SLT		KU
Kinsevere phase 3	KVAC066	24	50	SHA	CBH	KU
Kinsevere phase 3	KVAC066	50	60	SHA	CBH	KU
Kinsevere phase 3	KVAC067	0	1	UNK		SOL
Kinsevere phase 3	KVAC067	1	8	SOL		KU
Kinsevere phase 3	KVAC067	8	27	SLT		KU
Kinsevere phase 3	KVAC067	27	43	SLT	CBM	KU
Kinsevere phase 3	KVAC067	43	60	SST	CBM	KU
Kinsevere phase 3	KVAC068	0	6	UNK		SOL
Kinsevere phase 3	KVAC068	6	13	SOL		KU
Kinsevere phase 3	KVAC068	13	28	SLT		KU
Kinsevere phase 3	KVAC068	28	50	SHA	DLH	KU
Kinsevere phase 3	KVAC068	50	60	SST	CBM	KU
Kinsevere phase 3	KVAC069	0	2	UNK		SOL
Kinsevere phase 3	KVAC069	2	21	SOL		KU
Kinsevere phase 3	KVAC069	21	39	SST	CBM	KU
Kinsevere phase 3	KVAC069	39	60	SHA	DLH	KU
Kinsevere phase 3	KVAC070	0	1	SOL		KU
Kinsevere phase 3	KVAC070	1	13	DLH	SLT	KU
Kinsevere phase 3	KVAC070	13	60	CBS	SST	KU
Kinsevere phase 3	KVAC071	0	1	UNK		SOL
Kinsevere phase 3	KVAC071	1	5	SOL		SOL
Kinsevere phase 3	KVAC071	45	55	CBS	SST	KU
Kinsevere phase 3	KVAC071	55	60	CBL	SLT	KU
Kinsevere phase 3	KVAC072	0	1	UNK		KU
Kinsevere phase 3	KVAC072	1	46	DLH	SLT	KU
Kinsevere phase 3	KVAC072	46	60	CBS	SST	KU
Kinsevere phase 3	KVAC073	0	4	SOL		KU
Kinsevere phase 3	KVAC073	4	47	DLH	SLT	KU
Kinsevere phase 3	KVAC073	47	60	CBS	SST	KU
Kinsevere phase 3	KVAC074	0	2	SOL		KU
Kinsevere phase 3	KVAC074	2	51	DLH	SLT	KU
Kinsevere phase 3	KVAC074	51	60	CBL	SLT	KU
Kinsevere phase 3	KVAC075	0	2	SOL		KU
Kinsevere phase 3	KVAC075	2	52	DLH	SLT	KU
Kinsevere phase 3	KVAC075	52	60	CBL	SLT	KU
Kinsevere phase 3	KVAC076	0	1	SOL		
Kinsevere phase 3	KVAC076	1	2	UNK		KU

Kinsevere phase 3	KVAC076	2	55	DLH	SLT	KU
Kinsevere phase 3	KVAC076	55	60	CBS	SST	KU
Kinsevere phase 3	KVAC077	0	1	UNK		SOL
Kinsevere phase 3	KVAC077	1	4	SOL		KU
Kinsevere phase 3	KVAC077	4	54	DLH	SLT	KU
Kinsevere phase 3	KVAC077	54	60	CBL	SLT	KU
Kinsevere phase 3	KVAC078	0	1	UNK		SOL
Kinsevere phase 3	KVAC078	1	4	SOL		KU
Kinsevere phase 3	KVAC078	4	51	DLH	SLT	KU
Kinsevere phase 3	KVAC078	51	60	CBS	SLT	KU
Kinsevere phase 3	KVAC079	0	1	UNK		SOL
Kinsevere phase 3	KVAC079	1	3	SOL		KU
Kinsevere phase 3	KVAC079	3	49	DLH	SLT	KU
Kinsevere phase 3	KVAC079	49	60	CBL	SLT	KU
Kinsevere phase 3	KVAC080	0	1	UNK		SOL
Kinsevere phase 3	KVAC080	1	4	SOL		KU
Kinsevere phase 3	KVAC080	4	54	DLH	SLT	KU
Kinsevere phase 3	KVAC080	54	60	CBS	SST	KU
Kinsevere phase 3	KVAC081	0	7	SOL		KU
Kinsevere phase 3	KVAC081	7	40	DLH	SLT	KU
Kinsevere phase 3	KVAC081	40	50	DLS	SST	KU
Kinsevere phase 3	KVAC081	50	60	DLL	SLT	KU
Kinsevere phase 3	KVAC082	0	1	UNK		SOL
Kinsevere phase 3	KVAC082	1	3	SOL		KU
Kinsevere phase 3	KVAC082	3	56	DLH	SLT	KU
Kinsevere phase 3	KVAC082	56	60	CBL	SLT	KU
Kinsevere phase 3	KVAC083	0	1	UNK		SOL
Kinsevere phase 3	KVAC083	1	2	SOL		KU
Kinsevere phase 3	KVAC083	2	50	DLH	SLT	KU
Kinsevere phase 3	KVAC083	50	60	DLL	SLT	KU
Kinsevere phase 3	KVAC084	0	1	UNK		SOL
Kinsevere phase 3	KVAC084	1	3	SOL		KU
Kinsevere phase 3	KVAC084	3	51	DLH	SLT	KU
Kinsevere phase 3	KVAC084	51	60	CBS	SST	KU
Kinsevere phase 3	KVAC085	0	2	SOL		KU
Kinsevere phase 3	KVAC085	2	41	DLH	SLT	KU
Kinsevere phase 3	KVAC085	41	60	CBS	SST	KU
Kinsevere phase 3	KVAC086	0	1	UNK		SOL
Kinsevere phase 3	KVAC086	1	3	SOL		KU
Kinsevere phase 3	KVAC086	3	52	DLH	SHA	KU
Kinsevere phase 3	KVAC086	52	60	CBL	SLT	KU
Kinsevere phase 3	KVAC087	0	1	UNK		SOL
Kinsevere phase 3	KVAC087	1	5	SOL		KU
Kinsevere phase 3	KVAC087	5	50	DLH	SHA	KU
Kinsevere phase 3	KVAC087	50	60	DLH	SHA	KU
Kinsevere phase 3	KVAC088	0	3	SOL		KU
Kinsevere phase 3	KVAC088	3	52	DLH	SHA	KU
Kinsevere phase 3	KVAC088	52	60	DLH	SHA	KU
Kinsevere phase 3	KVAC089	0	1	UNK		KU
Kinsevere phase 3	KVAC089	1	46	DLH	SHA	KU
Kinsevere phase 3	KVAC089	46	60	CBS	SST	KU
Kinsevere phase 3	KVAC090	0	1	UNK		SOL
Kinsevere phase 3	KVAC090	1	6	SOL		KU
Kinsevere phase 3	KVAC090	6	50	DLH	SHA	KU
Kinsevere phase 3	KVAC090	50	60	DLH	SHA	KU
Kinsevere phase 3	KVAC091	0	2	UNK		SOL
Kinsevere phase 3	KVAC091	2	5	SOL		KU
Kinsevere phase 3	KVAC091	5	60	DLH	SHA	KU
Kinsevere phase 3	KVAC092	0	2	UNK		SOL
Kinsevere phase 3	KVAC092	2	6	SOL		KU
Kinsevere phase 3	KVAC092	6	60	DLH	SHA	KU
Kinsevere phase 3	KVAC093	0	2	UNK		SOL
Kinsevere phase 3	KVAC093	2	6	SOL		KU

Kinsevere phase 3	KVAC093	6	60	DLH	SHA	KU
Kinsevere phase 3	KVAC094	0	2	UNK		SOL
Kinsevere phase 3	KVAC094	2	3	SOL		KU
Kinsevere phase 3	KVAC094	3	52	DLH	SHA	KU
Kinsevere phase 3	KVAC094	52	60	DLH	SHA	KU
Kinsevere phase 3	KVAC095	0	2	UNK		KU
Kinsevere phase 3	KVAC095	2	17	DLH	SHA	KU
Kinsevere phase 3	KVAC095	17	28	DLH	SST	KU
Kinsevere phase 3	KVAC095	28	49	DLH	SHA	KU
Kinsevere phase 3	KVAC095	49	60	DLH	SHA	KU
Kinsevere phase 3	KVAC096	0	1	UNK		KU
Kinsevere phase 3	KVAC096	1	51	SHA	DLH	KU
Kinsevere phase 3	KVAC096	51	60	SHA	DLH	KU
Kinsevere phase 3	KVAC097	0	1	UNK		SOL
Kinsevere phase 3	KVAC097	1	4	SOL		KU
Kinsevere phase 3	KVAC097	4	35	SHA	DLH	KU
Kinsevere phase 3	KVAC097	35	42	SST	CBM	KU
Kinsevere phase 3	KVAC097	42	54	SHA	DLH	KU
Kinsevere phase 3	KVAC097	54	60	SHA	DLH	KU
Kinsevere phase 3	KVAC098	0	2	UNK		SOL
Kinsevere phase 3	KVAC098	2	6	SOL		KU
Kinsevere phase 3	KVAC098	6	49	SHA	DLH	KU
Kinsevere phase 3	KVAC098	49	60	SHA	DLH	KU
Kinsevere phase 3	KVAC099	0	1	UNK		KU
Kinsevere phase 3	KVAC099	1	43	SHA	DLH	KU
Kinsevere phase 3	KVAC099	43	60	SST	CBM	KU
Kinsevere phase 3	KVAC100	0	2	UNK		SOL
Kinsevere phase 3	KVAC100	2	4	SOL		KU
Kinsevere phase 3	KVAC100	4	7	SLT		KU
Kinsevere phase 3	KVAC100	7	42	SHA	DLH	KU
Kinsevere phase 3	KVAC100	42	46	SLT		KU
Kinsevere phase 3	KVAC100	46	55	SHA	DLH	KU
Kinsevere phase 3	KVAC100	55	60	SHA	DLH	KU
Kinsevere phase 3	KVAC101	0	3	UNK		SOL
Kinsevere phase 3	KVAC101	3	5	SLT		KU
Kinsevere phase 3	KVAC101	5	36	SHA	DLH	KU
Kinsevere phase 3	KVAC101	36	50	SHA	DLH	KU
Kinsevere phase 3	KVAC101	50	54	SHA	DLH	KU
Kinsevere phase 3	KVAC101	54	60	SST	CBM	KU
Kinsevere phase 3	KVAC102	0	4	UNK		KU
Kinsevere phase 3	KVAC102	4	10	SLT		KU
Kinsevere phase 3	KVAC102	10	45	SHA	DLH	KU
Kinsevere phase 3	KVAC102	45	48	SST	CBM	KU
Kinsevere phase 3	KVAC102	48	60	SHA	DLH	KU
Kinsevere phase 3	KVAC103	0	1	UNK		SOL
Kinsevere phase 3	KVAC103	1	3	SOL		KU
Kinsevere phase 3	KVAC103	3	10	SLT		KU
Kinsevere phase 3	KVAC103	10	32	SLT		KU
Kinsevere phase 3	KVAC103	32	52	SHA	DLH	KU
Kinsevere phase 3	KVAC103	52	60	SHA	DLH	KU
Kinsevere phase 3	KVAC104	0	1	UNK		SOL
Kinsevere phase 3	KVAC104	1	3	SOL		KU
Kinsevere phase 3	KVAC104	3	7	SLT	CBM	KU
Kinsevere phase 3	KVAC104	7	21	SLT	CBM	KU
Kinsevere phase 3	KVAC104	21	38	SLT	CBM	KU
Kinsevere phase 3	KVAC104	38	48	UNK		KU
Kinsevere phase 3	KVAC104	48	60	UNK		KU
Kinsevere phase 3	KVAC105	0	1	UNK		SOL
Kinsevere phase 3	KVAC105	1	3	SOL		KU
Kinsevere phase 3	KVAC105	3	9	SLT		KU
Kinsevere phase 3	KVAC105	9	53	SHA	DLH	KU
Kinsevere phase 3	KVAC105	53	60	SHA	DLH	KU
Kinsevere phase 3	KVAC106	0	1	UNK		SOL

Kinsevere phase 3	KVAC106	1	4	SOL		KU
Kinsevere phase 3	KVAC106	4	51	DLH	SHA	KU
Kinsevere phase 3	KVAC106	51	60	DLH	SHA	KU
Kinsevere phase 3	KVAC107	0	4	UNK		KU
Kinsevere phase 3	KVAC107	4	57	DLH	SHA	KU
Kinsevere phase 3	KVAC107	57	60	DLH	SHA	KU
Kinsevere phase 3	KVAC108	0	4	UNK		SOL
Kinsevere phase 3	KVAC108	4	6	SOL		KU
Kinsevere phase 3	KVAC108	6	54	DLH	SHA	KU
Kinsevere phase 3	KVAC108	54	60	DLH	SHA	KU
Kinsevere phase 3	KVAC109	0	2	UNK		SOL
Kinsevere phase 3	KVAC109	2	6	SOL		KU
Kinsevere phase 3	KVAC109	6	40	DLH	SHA	KU
Kinsevere phase 3	KVAC109	40	60	DLH	SST	KU
Kinsevere phase 3	KVAC110	0	2	UNK		SOL
Kinsevere phase 3	KVAC110	2	5	SOL		KU
Kinsevere phase 3	KVAC110	5	21	DLH	SHA	KU
Kinsevere phase 3	KVAC110	21	60	DLH	SHA	KU
Kinsevere phase 3	KVAC111	0	1	UNK		SOL
Kinsevere phase 3	KVAC111	1	4	SOL		KU
Kinsevere phase 3	KVAC111	4	10	SLT		KU
Kinsevere phase 3	KVAC111	10	40	SLT	CBM	KU
Kinsevere phase 3	KVAC112	0	6	SOL		KU
Kinsevere phase 3	KVAC112	6	10	SLT		KU
Kinsevere phase 3	KVAC112	10	46	SHA	CBH	KU
Kinsevere phase 3	KVAC112	46	60	SLT	CBM	KU
Kinsevere phase 3	KVDH005	0	4	SOL		OVB
Kinsevere phase 3	KVDH005	4	50	SLT	SHDL	SD
Kinsevere phase 3	KVDH005	50	58	SLT	SHA	SD
Kinsevere phase 3	KVDH005	58	111	DLB	DLH	SD
Kinsevere phase 3	KVDH005	111	147	DLB	DLC	SD
Kinsevere phase 3	KVDH005	147	154	SHC		SD
Kinsevere phase 3	KVDH005	154	164.55	SHDL		SD
Kinsevere phase 3	KVDH005	164.55	168.8	CARS		SD
Kinsevere phase 3	KVDH005	168.8	285.60001	SHDL		SD
Kinsevere phase 3	KVDH006	0	7	SOL		OVB
Kinsevere phase 3	KVDH006	7	10	SP	SPR	OVB
Kinsevere phase 3	KVDH006	10	39	SPR	DLB	CMN
Kinsevere phase 3	KVDH006	39	51	DLM	ARG	CMN
Kinsevere phase 3	KVDH006	51	59.099998	RATB	HBX	FZ
Kinsevere phase 3	KVDH006	59.099998	62	NR		NR
Kinsevere phase 3	KVDH006	62	66.599998	DLB		CMN
Kinsevere phase 3	KVDH006	66.599998	68.099998	NR		NR
Kinsevere phase 3	KVRC018	0	1	NR		NR
Kinsevere phase 3	KVRC018	1	5	SLT		CMN
Kinsevere phase 3	KVRC018	5	17	SHA		CMN
Kinsevere phase 3	KVRC018	17	23	SLT		CMN
Kinsevere phase 3	KVRC018	23	25	SLT		CMN
Kinsevere phase 3	KVRC018	25	27	SLT		CMN
Kinsevere phase 3	KVRC018	27	28	SLT		CMN
Kinsevere phase 3	KVRC018	28	29	SLT		CMN
Kinsevere phase 3	KVRC018	29	34	SLT		CMN
Kinsevere phase 3	KVRC018	34	37	SLT		CMN
Kinsevere phase 3	KVRC018	37	54	SLT		CMN
Kinsevere phase 3	KVRC018	54	56	SLT		CMN
Kinsevere phase 3	KVRC018	56	58	CBL		CMN
Kinsevere phase 3	KVRC018	58	61	CBL		CMN
Kinsevere phase 3	KVRC018	61	65	CBL		CMN
Kinsevere phase 3	KVRC018	65	68	SLT		CMN
Kinsevere phase 3	KVRC018	68	69	CBL		CMN
Kinsevere phase 3	KVRC018	69	70	SLT		CMN
Kinsevere phase 3	KVRC018	70	72	SLT		CMN
Kinsevere phase 3	KVRC018	72	85	SHA		SD

Kinsevere phase 3	KVRC018	85	120	SHA	SD
Kinsevere phase 3	KVRC019	0	1	NR	NR
Kinsevere phase 3	KVRC019	1	5	SLT	CMN
Kinsevere phase 3	KVRC019	5	7	SLT	CMN
Kinsevere phase 3	KVRC019	7	12	SLT	CMN
Kinsevere phase 3	KVRC019	12	15	SLT	CMN
Kinsevere phase 3	KVRC019	15	16	SLT	CMN
Kinsevere phase 3	KVRC019	16	18	SLT	CMN
Kinsevere phase 3	KVRC019	18	19	SLT	CMN
Kinsevere phase 3	KVRC019	19	21	SLT	CMN
Kinsevere phase 3	KVRC019	21	24	SLT	CMN
Kinsevere phase 3	KVRC019	24	36	SLT	CMN
Kinsevere phase 3	KVRC019	36	42	SLT	CMN
Kinsevere phase 3	KVRC019	42	47	SLT	CMN
Kinsevere phase 3	KVRC019	47	55	SLT	CMN
Kinsevere phase 3	KVRC019	55	62	SLT	CMN
Kinsevere phase 3	KVRC019	62	70	SHA	CMN
Kinsevere phase 3	KVRC019	70	77	SHA	CMN
Kinsevere phase 3	KVRC019	77	90	SHA	SD
Kinsevere phase 3	KVRC020	0	2	NR	NR
Kinsevere phase 3	KVRC020	2	6	SLT	CMN
Kinsevere phase 3	KVRC020	6	8	SLT	CMN
Kinsevere phase 3	KVRC020	8	15	SLT	CMN
Kinsevere phase 3	KVRC020	15	36	SLT	CMN
Kinsevere phase 3	KVRC020	36	42	SLT	CMN
Kinsevere phase 3	KVRC020	42	48	SHA	CMN
Kinsevere phase 3	KVRC020	48	51	CBL	CMN
Kinsevere phase 3	KVRC020	51	80	SHA	SD
Kinsevere phase 3	KVRC021	0	1	NR	NR
Kinsevere phase 3	KVRC021	1	49	SLT	CMN
Kinsevere phase 3	KVRC021	49	51	SLT	CMN
Kinsevere phase 3	KVRC021	51	58	SLT	CMN
Kinsevere phase 3	KVRC021	58	72	SHA	SD
Kinsevere phase 3	KVRC021	72	74	SHA	SD
Kinsevere phase 3	KVRC021	74	78	SHA	SD
Kinsevere phase 3	KVRC021	78	85	SHA	SD
Kinsevere phase 3	KVRC021	85	97	SHA	SD
Kinsevere phase 3	KVRC021	97	104	SHA	SD
Kinsevere phase 3	KVRC021	104	120	SHA	SD
Kinsevere phase 3	KVRC022	0	2	NR	NR
Kinsevere phase 3	KVRC022	2	19	SLT	CMN
Kinsevere phase 3	KVRC022	19	21	SLT	CMN
Kinsevere phase 3	KVRC022	21	32	SLT	CMN
Kinsevere phase 3	KVRC022	32	43	SLT	CMN
Kinsevere phase 3	KVRC022	43	46	SLT	CMN
Kinsevere phase 3	KVRC022	46	50	SLT	CMN
Kinsevere phase 3	KVRC022	50	61	SLT	CMN
Kinsevere phase 3	KVRC023	0	7	SHA	SD
Kinsevere phase 3	KVRC023	7	9	SLT	RSF
Kinsevere phase 3	KVRC023	9	21	CBL	DSTR
Kinsevere phase 3	KVRC023	21	40	SLT	GRAT
Kinsevere phase 3	KVRC023	40	93	SLT	GRAT
Kinsevere phase 3	KVRC024	0	9	SLT	GRAT
Kinsevere phase 3	KVRC024	9	60	SLT	GRAT
Kinsevere phase 3	KVRC025	0	1	NR	NR
Kinsevere phase 3	KVRC025	1	3	CBL	DSTR
Kinsevere phase 3	KVRC025	3	60	SLT	GRAT
Kinsevere phase 3	KVRC026	0	3	NR	NR
Kinsevere phase 3	KVRC026	3	16	SLT	CMN
Kinsevere phase 3	KVRC026	16	45	SLT	CMN
Kinsevere phase 3	KVRC026	45	48	SLT	CMN
Kinsevere phase 3	KVRC026	48	53	SLT	CMN
Kinsevere phase 3	KVRC026	53	61	SLT	CMN

Kinsevere phase 3	KVRC026	61	65	SLT	CMN
Kinsevere phase 3	KVRC026	65	78	SLT	CMN
Kinsevere phase 3	KVRC026	78	98	SLT	CMN
Kinsevere phase 3	KVRC026	98	106	CBL	CMN
Kinsevere phase 3	KVRC026	106	110	SLT	CMN
Kinsevere phase 3	KVRC027	0	1	NR	NR
Kinsevere phase 3	KVRC027	1	6	SLT	CMN
Kinsevere phase 3	KVRC027	6	16	SLT	CMN
Kinsevere phase 3	KVRC027	16	45	SLT	CMN
Kinsevere phase 3	KVRC027	45	46	SLT	CMN
Kinsevere phase 3	KVRC027	46	50	SLT	CMN
Kinsevere phase 3	KVRC027	50	60	SLT	CMN
Kinsevere phase 3	KVRC027	60	68	SHA	SD
Kinsevere phase 3	KVRC027	68	141	SHA	SD
Kinsevere phase 3	KVRC028	0	2	NR	NR
Kinsevere phase 3	KVRC028	2	20	SLT	CMN
Kinsevere phase 3	KVRC028	20	47	SLT	CMN
Kinsevere phase 3	KVRC028	47	51	SLT	CMN
Kinsevere phase 3	KVRC028	51	58	SLT	CMN
Kinsevere phase 3	KVRC028	58	59	SLT	CMN
Kinsevere phase 3	KVRC028	59	60	SLT	CMN
Kinsevere phase 3	KVRC028	60	63	SLT	CMN
Kinsevere phase 3	KVRC028	63	73	SLT	CMN
Kinsevere phase 3	KVRC028	73	77	SHA	CMN
Kinsevere phase 3	KVRC028	77	88	SLT	CMN
Kinsevere phase 3	KVRC028	88	107	SLT	CMN
Kinsevere phase 3	KVRC028	107	127	SHA	SD
Kinsevere phase 3	KVRC028	127	136	SHA	SD
Kinsevere phase 3	KVRC029	0	2	NR	NR
Kinsevere phase 3	KVRC029	2	7	SOL	GRAT
Kinsevere phase 3	KVRC029	7	20	SLT	GRAT
Kinsevere phase 3	KVRC029	20	23	SLT	GRAT
Kinsevere phase 3	KVRC029	23	34	SLT	CMN
Kinsevere phase 3	KVRC029	34	37	SLT	CMN
Kinsevere phase 3	KVRC029	37	39	SLT	CMN
Kinsevere phase 3	KVRC029	39	51	SLT	CMN
Kinsevere phase 3	KVRC029	51	52	NR	NR
Kinsevere phase 3	KVRC029	52	56	SLT	CMN
Kinsevere phase 3	KVRC029	56	63	NR	NR
Kinsevere phase 3	KVRC030	0	1	NR	NR
Kinsevere phase 3	KVRC030	1	5	SOL	SOL
Kinsevere phase 3	KVRC030	5	7	SOL	SOL
Kinsevere phase 3	KVRC030	7	10	SLT	GRAT
Kinsevere phase 3	KVRC030	10	13	SLT	GRAT
Kinsevere phase 3	KVRC030	13	20	SLT	GRAT
Kinsevere phase 3	KVRC030	20	25	SLT	GRAT
Kinsevere phase 3	KVRC030	25	40	SLT	GRAT
Kinsevere phase 3	KVRC030	40	70	SLT	GRAT
Kinsevere phase 3	KVRC031	0	2	NR	NR
Kinsevere phase 3	KVRC031	2	7	SLT	GRAT
Kinsevere phase 3	KVRC031	7	22	SLT	GRAT
Kinsevere phase 3	KVRC031	22	38	SLT	GRAT
Kinsevere phase 3	KVRC031	38	60	SLT	GRAT
Kinsevere phase 3	KVRC032	0	3	SLT	GRAT
Kinsevere phase 3	KVRC032	3	4	NR	NR
Kinsevere phase 3	KVRC032	4	29	SLT	GRAT
Kinsevere phase 3	KVRC032	29	41	SLT	GRAT
Kinsevere phase 3	KVRC032	41	45	SLT	GRAT
Kinsevere phase 3	KVRC032	45	66	SLT	GRAT
Kinsevere phase 3	KVRC033	0	1	NR	NR
Kinsevere phase 3	KVRC033	1	3	SOL	SOL
Kinsevere phase 3	KVRC033	3	4	NR	NR
Kinsevere phase 3	KVRC033	4	10	SLT	GRAT

Kinsevere phase 3	KVRC033	10	24	SLT	GRAT
Kinsevere phase 3	KVRC033	24	26	SLT	GRAT
Kinsevere phase 3	KVRC033	26	29	SLT	GRAT
Kinsevere phase 3	KVRC033	29	30	SLT	GRAT
Kinsevere phase 3	KVRC033	30	34	SLT	GRAT
Kinsevere phase 3	KVRC033	34	80	SLT	GRAT
Kinsevere phase 3	KVRC034	0	2	NR	NR
Kinsevere phase 3	KVRC034	2	15	SLT	CMN
Kinsevere phase 3	KVRC034	15	18	SLT	CMN
Kinsevere phase 3	KVRC034	18	20	CBL	CMN
Kinsevere phase 3	KVRC034	20	22	SLT	CMN
Kinsevere phase 3	KVRC034	22	27	CBL	CMN
Kinsevere phase 3	KVRC034	27	31	SLT	CMN
Kinsevere phase 3	KVRC034	31	34	SLT	CMN
Kinsevere phase 3	KVRC034	34	37	SLT	CMN
Kinsevere phase 3	KVRC034	37	38	SLT	GRAT
Kinsevere phase 3	KVRC034	38	90	SLT	GRAT
Kinsevere phase 3	KVRC035	0	2	NR	NR
Kinsevere phase 3	KVRC035	2	6	SLT	CMN
Kinsevere phase 3	KVRC035	6	8	CBL	CMN
Kinsevere phase 3	KVRC035	8	10	CBL	CMN
Kinsevere phase 3	KVRC035	10	11	SHA	CMN
Kinsevere phase 3	KVRC035	11	14	SLT	CMN
Kinsevere phase 3	KVRC035	14	22	SLT	CMN
Kinsevere phase 3	KVRC035	22	23	SLT	GRAT
Kinsevere phase 3	KVRC035	23	24	NR	NR
Kinsevere phase 3	KVRC035	24	26	SLT	GRAT
Kinsevere phase 3	KVRC035	26	27	NR	NR
Kinsevere phase 3	KVRC035	27	31	SLT	GRAT
Kinsevere phase 3	KVRC035	31	80	SLT	GRAT
Kinsevere phase 3	KVRC036	0	1	NR	NR
Kinsevere phase 3	KVRC036	1	6	SLT	GRAT
Kinsevere phase 3	KVRC036	6	7	NR	NR
Kinsevere phase 3	KVRC036	7	10	SLT	GRAT
Kinsevere phase 3	KVRC036	10	13	SLT	GRAT
Kinsevere phase 3	KVRC036	13	60	SLT	GRAT
Kinsevere phase 3	KVRC037	0	6	SLT	GRAT
Kinsevere phase 3	KVRC037	6	10	SLT	GRAT
Kinsevere phase 3	KVRC037	10	32	SLT	GRAT
Kinsevere phase 3	KVRC037	32	61	SLT	GRAT
Kinsevere phase 3	KVRC038	0	9	SLT	GRAT
Kinsevere phase 3	KVRC038	9	13	SLT	GRAT
Kinsevere phase 3	KVRC038	13	21	SLT	GRAT
Kinsevere phase 3	KVRC038	21	30	SLT	GRAT
Kinsevere phase 3	KVRC038	30	33	SLT	GRAT
Kinsevere phase 3	KVRC038	33	50	SLT	GRAT
Kinsevere phase 3	KVRC039	0	1	NR	NR
Kinsevere phase 3	KVRC039	1	24	CBL	CMN
Kinsevere phase 3	KVRC039	24	34	CBL	CMN
Kinsevere phase 3	KVRC039	34	56	SLT	CMN
Kinsevere phase 3	KVRC039	56	66	SLT	CMN
Kinsevere phase 3	KVRC039	66	80	SLT	CMN
Kinsevere phase 3	KVRC039	80	85	SLT	CMN
Kinsevere phase 3	KVRC039	85	87	SLT	CMN
Kinsevere phase 3	KVRC039	87	100	SLT	CMN
Kinsevere phase 3	KVRC039	100	116	SLT	CMN
Kinsevere phase 3	KVRC039	116	136	SHA	SD
Kinsevere phase 3	KVRC040	0	2	NR	NR
Kinsevere phase 3	KVRC040	2	11	SLT	CMN
Kinsevere phase 3	KVRC040	11	18	SLT	CMN
Kinsevere phase 3	KVRC040	18	23	CBL	CMN
Kinsevere phase 3	KVRC040	23	24	SLT	CMN
Kinsevere phase 3	KVRC040	24	30	SLT	CMN

Kinsevere phase 3	KVRC040	30	36	CBL	CMN
Kinsevere phase 3	KVRC040	36	38	CBL	CMN
Kinsevere phase 3	KVRC040	38	54	CBL	CMN
Kinsevere phase 3	KVRC040	54	56	NR	NR
Kinsevere phase 3	KVRC040	56	57	CBL	CMN
Kinsevere phase 3	KVRC040	57	60	NR	NR
Kinsevere phase 3	KVRC040	60	66	CBL	CMN
Kinsevere phase 3	KVRC041	0	12	SLT	CMN
Kinsevere phase 3	KVRC041	12	13	SLT	CMN
Kinsevere phase 3	KVRC041	13	20	SLT	CMN
Kinsevere phase 3	KVRC041	20	24	SLT	CMN
Kinsevere phase 3	KVRC041	24	28	SLT	CMN
Kinsevere phase 3	KVRC041	28	29	SLT	CMN
Kinsevere phase 3	KVRC041	29	33	SLT	CMN
Kinsevere phase 3	KVRC041	33	38	SLT	CMN
Kinsevere phase 3	KVRC041	38	40	SLT	CMN
Kinsevere phase 3	KVRC041	40	49	SLT	CMN
Kinsevere phase 3	KVRC041	49	56	SLT	CMN
Kinsevere phase 3	KVRC041	56	69	SLT	CMN
Kinsevere phase 3	KVRC041	69	71	SLT	CMN
Kinsevere phase 3	KVRC041	71	75	SLT	CMN
Kinsevere phase 3	KVRC041	75	76	SHA	SD
Kinsevere phase 3	KVRC041	76	78	SHA	SD
Kinsevere phase 3	KVRC041	78	79	SHA	SD
Kinsevere phase 3	KVRC041	79	111	SHA	SD
Kinsevere phase 3	KVRC041	111	124	SHA	SD
Kinsevere phase 3	KVRC041	124	140	SHA	SD
Kinsevere phase 3	KVRC042	0	1	NR	NR
Kinsevere phase 3	KVRC042	1	4	SHA	SD
Kinsevere phase 3	KVRC042	4	5	SHA	SD
Kinsevere phase 3	KVRC042	5	8	SLT	RSF
Kinsevere phase 3	KVRC042	8	11	DLL	DSTR
Kinsevere phase 3	KVRC042	11	16	SLT	DSTR
Kinsevere phase 3	KVRC042	16	19	SLT	DSTR
Kinsevere phase 3	KVRC042	19	24	SLT	GRAT
Kinsevere phase 3	KVRC042	24	30	SLT	GRAT
Kinsevere phase 3	KVRC042	30	39	SLT	GRAT
Kinsevere phase 3	KVRC042	39	44	SLT	GRAT
Kinsevere phase 3	KVRC042	44	46	SLT	GRAT
Kinsevere phase 3	KVRC042	46	49	SLT	GRAT
Kinsevere phase 3	KVRC042	49	55	SLT	GRAT
Kinsevere phase 3	KVRC042	55	61	SLT	GRAT
Kinsevere phase 3	KVRC042	61	63	SLT	GRAT
Kinsevere phase 3	KVRC042	63	70	SLT	GRAT
Kinsevere phase 3	KVRC042	70	72	SLT	GRAT
Kinsevere phase 3	KVRC042	72	80	SLT	GRAT
Kinsevere phase 3	KVRC043	0	1	NR	NR
Kinsevere phase 3	KVRC043	1	10	SLT	GRAT
Kinsevere phase 3	KVRC043	10	12	SLT	GRAT
Kinsevere phase 3	KVRC043	12	30	SLT	GRAT
Kinsevere phase 3	KVRC043	30	51	SLT	GRAT
Kinsevere phase 3	KVRC044	0	3	NR	NR
Kinsevere phase 3	KVRC044	3	7	SLT	CMN
Kinsevere phase 3	KVRC044	7	12	SLT	CMN
Kinsevere phase 3	KVRC044	12	15	SLT	CMN
Kinsevere phase 3	KVRC044	15	17	SLT	CMN
Kinsevere phase 3	KVRC044	17	21	SHA	CMN
Kinsevere phase 3	KVRC044	21	40	SLT	CMN
Kinsevere phase 3	KVRC044	40	45	SLT	CMN
Kinsevere phase 3	KVRC044	45	64	SLT	CMN
Kinsevere phase 3	KVRC044	64	111	SLT	CMN
Kinsevere phase 3	KVRC045	0	3	NR	NR
Kinsevere phase 3	KVRC045	3	17	CBL	CMN

Kinsevere phase 3	KVRC045	17	21	SLT		CMN
Kinsevere phase 3	KVRC045	21	41	DLL		CMN
Kinsevere phase 3	KVRC045	41	51	SLT		CMN
Kinsevere phase 3	KVRC045	51	54	NR		NR
Kinsevere phase 3	KVRC045	54	58	SLT		CMN
Kinsevere phase 3	KVRC045	58	59	NR		NR
Kinsevere phase 3	KVRC045	59	60	SLT		CMN
Kinsevere phase 3	KVRC045	60	66	NR		NR
Kinsevere phase 3	KVRC045	66	69	SLT		CMN
Kinsevere phase 3	KVRC045	69	102	SLT		CMN
Kinsevere phase 3	KVRC045	102	106	SLT		CMN
Kinsevere phase 3	KVRC045	106	109	SLT		CMN
Kinsevere phase 3	KVRC045	109	115	SLT		CMN
Kinsevere phase 3	KVRC045	115	118	SLT		CMN
Kinsevere phase 3	KVRC046	0	3	NR		NR
Kinsevere phase 3	KVRC046	3	19	SST	CBL	CMN
Kinsevere phase 3	KVRC046	19	35	SLT	CBM	CMN
Kinsevere phase 3	KVRC046	35	95	SLT	CBM	CMN
Kinsevere phase 3	KVRC046	95	101	NR		NR
Kinsevere phase 3	KVRC046	101	103	SST	CBM	CMN
Kinsevere phase 3	KVRC046	103	106	SST	CBM	CMN
Kinsevere phase 3	KVRC047	0	1	NR		NR
Kinsevere phase 3	KVRC047	1	51	SLT	CBL	CMN
Kinsevere phase 3	KVRC047	51	53	SLT	CBL	CMN
Kinsevere phase 3	KVRC047	53	61	SST	CBM	CMN
Kinsevere phase 3	KVRC047	61	64	NR		NR
Kinsevere phase 3	KVRC047	64	67	SST	CBM	CMN
Kinsevere phase 3	KVRC047	67	68	SLT	CBM	CMN
Kinsevere phase 3	KVRC047	68	71	SLT	CBM	CMN
Kinsevere phase 3	KVRC047	71	87	SLT	DLL	CMN
Kinsevere phase 3	KVRC047	87	95	SLT	DLL	CMN
Kinsevere phase 3	KVRC047	95	100	SLT	DLL	CMN
Kinsevere phase 3	KVRC047	100	101	SLT	DLL	CMN
Kinsevere phase 3	KVRC047	101	103	SLT	DLL	CMN
Kinsevere phase 3	KVRC047	103	110	SLT	DLL	CMN
Kinsevere phase 3	KVRC048	0	2	NR		NR
Kinsevere phase 3	KVRC048	2	8	SLT	CBM	CMN
Kinsevere phase 3	KVRC048	8	20	SLT	CBL	CMN
Kinsevere phase 3	KVRC048	20	22	SLT	CBL	CMN
Kinsevere phase 3	KVRC048	22	24	SLT	CBM	CMN
Kinsevere phase 3	KVRC048	24	29	SLT	CBL	CMN
Kinsevere phase 3	KVRC048	29	36	SLT	CBM	CMN
Kinsevere phase 3	KVRC048	36	41	SLT	CBM	CMN
Kinsevere phase 3	KVRC048	41	73	SST	CBM	CMN
Kinsevere phase 3	KVRC048	73	93	SST	CBM	CMN
Kinsevere phase 3	KVRC049	0	2	NR		NR
Kinsevere phase 3	KVRC049	2	4	SOL		SOL
Kinsevere phase 3	KVRC049	4	11	SST	CBM	CMN
Kinsevere phase 3	KVRC049	11	45	SLT	CBL	CMN
Kinsevere phase 3	KVRC049	45	52	SLT	CBM	CMN
Kinsevere phase 3	KVRC049	52	54	SLT	CBM	CMN
Kinsevere phase 3	KVRC049	54	60	SLT	CBL	CMN
Kinsevere phase 3	KVRC049	60	76	SLT	CBM	CMN
Kinsevere phase 3	KVRC049	76	91	SLT	CBM	CMN
Kinsevere phase 3	KVRC049	91	92	NR		NR
Kinsevere phase 3	KVRC049	92	97	SLT	CBM	CMN
Kinsevere phase 3	KVRC049	97	99	NR		NR
Kinsevere phase 3	KVRC050	0	8	NR		NR
Kinsevere phase 3	KVRC050	8	25	SST	CBM	CMN
Kinsevere phase 3	KVRC050	25	28	SST	CBM	CMN
Kinsevere phase 3	KVRC050	28	29	NR		NR
Kinsevere phase 3	KVRC050	29	32	SST	CBM	CMN
Kinsevere phase 3	KVRC050	32	48	SST	CBM	CMN

Kinsevere phase 3	KVRC051		0	4	NR		NR
Kinsevere phase 3	KVRC051		4	6	SOL		SOL
Kinsevere phase 3	KVRC051		6	8	NR		NR
Kinsevere phase 3	KVRC051		8	18	SLT	CBM	CMN
Kinsevere phase 3	KVRC051		18	24	SST	CBM	CMN
Kinsevere phase 3	KVRC051		24	29	SLT	CBM	CMN
Kinsevere phase 3	KVRC051		29	37	SST	CBM	CMN
Kinsevere phase 3	KVRC051		37	42	SST	CBM	CMN
Kinsevere phase 3	KVRC051		42	51	SST	CBM	CMN
Kinsevere phase 3	KVRC051		51	100	SLT	CBM	CMN
Kinsevere phase 3	KVRC052		0	1	NR		NR
Kinsevere phase 3	KVRC052		1	60	SLT		GRAT
Kinsevere phase 3	KVRC053		0	1	NR		NR
Kinsevere phase 3	KVRC053		1	7	SLT	CBM	CMN
Kinsevere phase 3	KVRC053		7	15	SST	CBM	CMN
Kinsevere phase 3	KVRC053		15	17	SST	CBM	CMN
Kinsevere phase 3	KVRC053		17	26	SLT	CBM	CMN
Kinsevere phase 3	KVRC053		26	60	SLT		GRAT
Kinsevere phase 3	KVRC054		0	3	NR		NR
Kinsevere phase 3	KVRC054		3	10	SST	CBM	CMN
Kinsevere phase 3	KVRC054		10	12	SST	CBL	CMN
Kinsevere phase 3	KVRC054		12	17	SLT	CBM	CMN
Kinsevere phase 3	KVRC054		17	19	SST	CBS	CMN
Kinsevere phase 3	KVRC054		19	23	SLT	CBM	CMN
Kinsevere phase 3	KVRC054		23	25	SST	CBM	CMN
Kinsevere phase 3	KVRC054		25	30	SST	CBS	CMN
Kinsevere phase 3	KVRC054		30	32	SST	CBS	CMN
Kinsevere phase 3	KVRC054		32	36	SLT	CBM	CMN
Kinsevere phase 3	KVRC054		36	40	SST	CBM	CMN
Kinsevere phase 3	KVRC054		40	45	SST	CBS	CMN
Kinsevere phase 3	KVRC054		45	60	SLT	CBM	GRAT
Kinsevere phase 3	KVRC055		0	4	SOL		SOL
Kinsevere phase 3	KVRC055		4	6	SLT	CBM	CMN
Kinsevere phase 3	KVRC055		6	33	SLT	CBM	CMN
		ca	S	P			
Kinsevere phase 3	KVRC055		33	69	SLT	CBM	CMN
		ca	M	P			
Kinsevere phase 3	KVRC055		69	71	NR		NR
Kinsevere phase 3	KVRC055		71	73	SLT	DLL	CMN
Kinsevere phase 3	KVRC055		73	78	SLT	DLL	CMN
Kinsevere phase 3	KVRC055		78	83	SLT	DLL	CMN
Kinsevere phase 3	KVRC055		83	86	SLT	DLL	CMN
Kinsevere phase 3	KVRC055		86	97	SLT	DLL	CMN
Kinsevere phase 3	KVRC055		97	101	SLT	DLL	CMN
Kinsevere phase 3	KVRC055		101	110	SLT	DLL	CMN
Kinsevere phase 3	KVRC056		0	4	SOL		CMN
Kinsevere phase 3	KVRC056		4	19	SST	CBM	CMN
Kinsevere phase 3	KVRC056		19	36	SST	DLL	CMN
Kinsevere phase 3	KVRC056		36	39	SST	DLL	CMN
Kinsevere phase 3	KVRC056		39	40	NR		NR
Kinsevere phase 3	KVRC056		40	42	SST	DLL	CMN
Kinsevere phase 3	KVRC056		42	60	SST	DLL	CMN
Kinsevere phase 3	KVRC056		60	69	SST	DLL	CMN
		ca	S	P			
Kinsevere phase 3	KVRC056		69	70	NR		NR
Kinsevere phase 3	KVRC056		70	150	SST	CBM	CMN
Kinsevere phase 3	KVRC057		0	6	SOL		SOL
Kinsevere phase 3	KVRC057		8	13	SLT	CBM	CMN
Kinsevere phase 3	KVRC057		13	80	SLT	DLL	GRAT
Kinsevere phase 3	KVRC058		0	1	NR		NR
Kinsevere phase 3	KVRC058		1	7	SOL		CMN
Kinsevere phase 3	KVRC058		7	39	SLT	CBM	CMN
		ca	S	P			

Kinsevere phase 3	KVRC058	39	43	SLT	DLL	CMN
Kinsevere phase 3	KVRC058	45	46	SLT	CBM	CMN
Kinsevere phase 3	KVRC058	46	49	SLT	DLL	CMN
Kinsevere phase 3	KVRC058	49	50	SLT	CBM	CMN
Kinsevere phase 3	KVRC058	50	53	SLT	CBM	CMN
Kinsevere phase 3	KVRC058	53	57	SLT	CBM	CMN
Kinsevere phase 3	KVRC058	57	61	SLT	CBM	CMN
Kinsevere phase 3	KVRC058	61	66	SLT	DLL	CMN
Kinsevere phase 3	KVRC058	66	67	SLT	CBM	CMN
Kinsevere phase 3	KVRC058	67	100	SLT	CBM	CMN
Kinsevere phase 3	KVRC058	100	101	SLT	DLL	CMN
Kinsevere phase 3	KVRC058	101	116	SLT	DLL	CMN
Kinsevere phase 3	KVRC058	116	117	SLT	DLL	CMN
Kinsevere phase 3	KVRC058	117	131	SLT	DLL	CMN
Kinsevere phase 3	KVRC058	131	132	SLT	DLL	CMN
Kinsevere phase 3	KVRC058	132	150	SLT	DLL	CMN
Kinsevere phase 3	KVRC059	0	5	NR		NR
Kinsevere phase 3	KVRC059	5	12	SLT	CBM	CMN
Kinsevere phase 3	KVRC059	12	29	SLT	CBM	CMN
Kinsevere phase 3	KVRC059	29	80	SLT	DLL	CMN
Kinsevere phase 3	KVRC060	0	3	NR		NR
Kinsevere phase 3	KVRC060	3	7	SOL	CBM	CMN
Kinsevere phase 3	KVRC060	7	10	SLT	CBM	CMN
Kinsevere phase 3	KVRC060	10	47	SLT	DLL	CMN
Kinsevere phase 3	KVRC060	47	49	SLT	DLL	CMN
Kinsevere phase 3	KVRC060	49	50	SLT	DLL	CMN
Kinsevere phase 3	KVRC060	50	54	SLT	CBM	CMN
Kinsevere phase 3	KVRC060	54	56	SLT	CBM	CMN
Kinsevere phase 3	KVRC060	56	57	SLT	CBM	CMN
Kinsevere phase 3	KVRC060	57	73	SLT	CBM	CMN
Kinsevere phase 3	KVRC060	73	90	SLT	DLL	CMN
Kinsevere phase 3	KVRC061	0	1	NR		NR
Kinsevere phase 3	KVRC061	1	6	STL	DLL	CMN
Kinsevere phase 3	KVRC061	6	15	STL	CBM	CMN
Kinsevere phase 3	KVRC061	15	62	STL	CBM	CMN
Kinsevere phase 3	KVRC061	62	63	STL	CBM	CMN
Kinsevere phase 3	KVRC061	63	67	STL	DLL	CMN
Kinsevere phase 3	KVRC061	67	68	NR		NR
Kinsevere phase 3	KVRC061	68	74	STL	CBM	CMN
Kinsevere phase 3	KVRC061	74	78	STL	CBM	CMN
Kinsevere phase 3	KVRC061	78	80	STL	CBM	CMN
Kinsevere phase 3	KVRC062	0	6	SOL		SOL
Kinsevere phase 3	KVRC062	6	8	NR		NR
Kinsevere phase 3	KVRC062	8	12	SLT	CBM	CMN
Kinsevere phase 3	KVRC062	12	80	SLT	CBM	CMN
Kinsevere phase 3	KVRC063	0	8	sol		CMN
Kinsevere phase 3	KVRC063	8	26	SLT	CBM	CMN
Kinsevere phase 3	KVRC063	26	48	SLT	CBM	CMN
Kinsevere phase 3	KVRC063	48	66	SLT	CBM	CMN
Kinsevere phase 3	KVRC063	66	72	SLT	CBM	CMN
Kinsevere phase 3	KVRC063	72	87	SLT	CBM	CMN
Kinsevere phase 3	KVRC063	87	128	SLT	CBM	CMN
Kinsevere phase 3	KVRC063	128	150	SLT	CBM	CMN
Kinsevere phase 3	KVRC064	0	5	SST	CBM	KU
Kinsevere phase 3	KVRC064	5	40	SLT	CBM	CMN
Kinsevere phase 3	KVRC064	40	49	SLT	CBM	CMN
Kinsevere phase 3	KVRC064	49	86	SLT	CBM	CMN
Kinsevere phase 3	KVRC064	86	147	SLT	CBM	CMN
Kinsevere phase 3	KVRC064	147	150	SLT	CBM	CMN
Kinsevere phase 3	KVRC065	0	1	NR		NR
Kinsevere phase 3	KVRC065	1	3	SOL		CMN
Kinsevere phase 3	KVRC065	3	65	SLT	CBM	CMN
Kinsevere phase 3	KVRC065	65	100	SLT	CBM	CMN

Kinsevere phase 3	KVRC066	0	4	NR		NR
Kinsevere phase 3	KVRC066	4	12	SLT		CMN
Kinsevere phase 3	KVRC066	12	19	DLL		CMN
Kinsevere phase 3	KVRC066	19	53	DLL		CMN
Kinsevere phase 3	KVRC066	53	60	DLL		CMN
Kinsevere phase 3	KVRC066	60	87	DLL		CMN
Kinsevere phase 3	KVRC066	87	90	CBL		CMN
Kinsevere phase 3	KVRC067	0	4	NR		NR
Kinsevere phase 3	KVRC067	4	6	SOL		SOL
Kinsevere phase 3	KVRC067	6	20	DLL		CMN
Kinsevere phase 3	KVRC067	20	22	CBL		CMN
Kinsevere phase 3	KVRC067	22	27	CBL		CMN
Kinsevere phase 3	KVRC067	27	28	NR		NR
Kinsevere phase 3	KVRC067	28	37	CBL		CMN
Kinsevere phase 3	KVRC067	37	52	CBL		CMN
Kinsevere phase 3	KVRC067	52	58	NR		NR
Kinsevere phase 3	KVRC067	58	61	DLL		CMN
Kinsevere phase 3	TCAC106	0	30	SOL		CMN
Kinsevere phase 3	TCAC106	30	33	SST	CBM	CMN
Kinsevere phase 3	TCAC107	0	14	SOL		CMN
Kinsevere phase 3	TCAC107	14	38	SST	CBS	CMN
Kinsevere phase 3	TCAC107	38	42	SLT	CBM	CMN
Kinsevere phase 3	TCAC108	0	14	SOL		CMN
Kinsevere phase 3	TCAC108	14	32	SST	CBM	CMN
Kinsevere phase 3	TCAC108	32	38	SL	CBH	CMN
Kinsevere phase 3	TCAC108	38	46	SST	CBS	CMN
Kinsevere phase 3	TCAC108	46	48	SL	CBH	CMN
Kinsevere phase 3	TCAC109	0	7	SOL		CMN
Kinsevere phase 3	TCAC109	7	17	SL	CBM	CMN
Kinsevere phase 3	TCAC109	17	41	CON		CMN
Kinsevere phase 3	TCAC110	0	2	SOL		SOL
Kinsevere phase 3	TCAC110	2	20	SL	CBM	SOL
Kinsevere phase 3	TCAC110	20	33	SL	CBH	
Kinsevere phase 3	TCAC110	33	42	SLT		
Kinsevere phase 3	TCAC111	0	3	SOL		GRAT
Kinsevere phase 3	TCAC111	3	14	SLT		GRAT
Kinsevere phase 3	TCAC112	0	3	SOL		SOL
Kinsevere phase 3	TCAC112	3	5	SOL		GRAT
Kinsevere phase 3	TCAC112	5	16	SLT		GRAT
Kinsevere phase 3	TCAC112	16	45	SLT		GRAT
Kinsevere phase 3	TCAC113	0	2	SOL		SOL
Kinsevere phase 3	TCAC113	2	3	SOL		GRAT
Kinsevere phase 3	TCAC113	3	10	SLT		GRAT
Kinsevere phase 3	TCAC113	10	40	SLT		GRAT
Kinsevere phase 3	TCAC114	0	1	SOL		SOL
Kinsevere phase 3	TCAC114	1	5	SOL		GRAT
Kinsevere phase 3	TCAC114	5	21	SLT		GRAT
Kinsevere phase 3	TCAC114	21	24	SL	CBM	GRAT
Kinsevere phase 3	TCAC115	0	4	SOL		GRAT
Kinsevere phase 3	TCAC115	4	25	SLT		GRAT
Kinsevere phase 3	TCAC115	25	51	SLT		GRAT
Kinsevere phase 3	TCAC116	0	35	SOL		CMN
Kinsevere phase 3	TCAC116	35	39	SLT	CBM	CMN
Kinsevere phase 3	TCAC117	0	27	SOL		CMN
Kinsevere phase 3	TCAC117	27	30	SST	CBM	CMN
Kinsevere phase 3	TCAC118	0	17	SOL		CMN
Kinsevere phase 3	TCAC118	17	25	SST	CBS	CMN
Kinsevere phase 3	TCAC118	25	32	SLT		CMN
Kinsevere phase 3	TCAC118	32	41	SST	CBS	CMN
Kinsevere phase 3	TCAC119	0	13	SOL		CMN
Kinsevere phase 3	TCAC119	13	18	SST	CBH	CMN
Kinsevere phase 3	TCAC120	0	9	SOL		CMN
Kinsevere phase 3	TCAC120	9	13	SST	CBM	CMN

Kinsevere phase 3	TCAC120	13	25	SLT		CMN
Kinsevere phase 3	TCAC120	25	48	CON	CBM	CMN
Kinsevere phase 3	TCAC121	0	3	SOL		SOL
Kinsevere phase 3	TCAC121	3	24	SLT	CBM	SOL
Kinsevere phase 3	TCAC121	24	28	SLT	CBM	
Kinsevere phase 3	TCAC122	0	2	SOL		
Kinsevere phase 3	TCAC122	2	6	SOL		
Kinsevere phase 3	TCAC122	6	12	SST	CBM	
Kinsevere phase 3	TCAC122	12	23	SLT	CBM	
Kinsevere phase 3	TCAC122	23	28	SLT		
Kinsevere phase 3	TCAC123	0	2	SOL		
Kinsevere phase 3	TCAC123	2	36	SLT		
Kinsevere phase 3	TCAC124	0	3	sol		
Kinsevere phase 3	TCAC124	3	25	SLT	CBM	
Kinsevere phase 3	TCAC125	0	5	SOL		GRAT
Kinsevere phase 3	TCAC125	5	12	SLT		GRAT
Kinsevere phase 3	TCAC125	12	40	SLT		GRAT
Kinsevere phase 3	TCAC126	0	14	SOL		SOL
Kinsevere phase 3	TCAC126	14	16	SOL		SOL
Kinsevere phase 3	TCAC126	16	27	SLT	CBM	
Kinsevere phase 3	TCAC126	27	34	SST	CBS	
Kinsevere phase 3	TCAC126	43	48	SLT	CBH	
Kinsevere phase 3	TCAC127	0	26	SOL		
Kinsevere phase 3	TCAC127	26	45	SLT		
Kinsevere phase 3	TCAC128	0	29	SOL		
Kinsevere phase 3	TCAC129	0	24	SOL		
Kinsevere phase 3	TCAC130	0	15	SOL		
Kinsevere phase 3	TCAC130	15	29	SST	CBM	
Kinsevere phase 3	TCAC130	29	35	SLT	SLT	
Kinsevere phase 3	TCAC130	35	45	SST	SST	
Kinsevere phase 3	TCAC131	0	9	SOL		CMN
Kinsevere phase 3	TCAC131	9	21	SST	CBS	CMN
Kinsevere phase 3	TCAC132	0	6	SOL		CMN
Kinsevere phase 3	TCAC132	6	10	SST	CBS	CMN
Kinsevere phase 3	TCAC132	10	19	SLT	CBH	CMN
Kinsevere phase 3	TCAC132	19	24	SST	CBS	CMN
Kinsevere phase 3	TCAC132	24	41	SST	CBM	CMN
Kinsevere phase 3	TCAC132	41	54	SST	CBS	CMN
Kinsevere phase 3	TCAC133	0	5	SOL		CMN
Kinsevere phase 3	TCAC133	5	15	SLT	CBM	CMN
Kinsevere phase 3	TCAC133	15	22	SST	CBS	CMN
Kinsevere phase 3	TCAC133	22	47	SLT	DLL	CMN
Kinsevere phase 3	TCAC133	47	50	SST	DLL	CMN
Kinsevere phase 3	TCAC133	50	54	SLT	DLL	CMN
Kinsevere phase 3	TCAC134	0	3	SOL		CMN
Kinsevere phase 3	TCAC134	3	9	SST	CBM	CMN
Kinsevere phase 3	TCAC134	9	14	SLT	CBM	CMN
Kinsevere phase 3	TCAC134	14	17	SST	CBS	CMN
Kinsevere phase 3	TCAC134	17	25	SLT	DLL	CMN
Kinsevere phase 3	TCAC134	25	30	SST	CBH	CMN
Kinsevere phase 3	TCAC134	30	51	SLT	CBM	CMN
Kinsevere phase 3	TCAC135	0	3	SOL		CMN
Kinsevere phase 3	TCAC135	3	13	SST	CBS	CMN
Kinsevere phase 3	TCAC135	13	33	SLT	CBH	CMN
Kinsevere phase 3	TCAC135	33	41	SST	CBS	CMN
Kinsevere phase 3	TCAC135	41	48	SLT	CBM	
Kinsevere phase 3	TCAC136	0	5	SOL		
Kinsevere phase 3	TCAC136	5	51	SLT	DLL	
Kinsevere phase 3	TCAC137	0	6	SOL		
Kinsevere phase 3	TCAC137	6	46	SLT	DLL	
Kinsevere phase 3	TCAC137	46	54	SLT	DLL	
Kinsevere phase 3	TCAC138	0	6	SOL		SOL
Kinsevere phase 3	TCAC138	6	57	SLT	CBH	SOL

Kinsevere phase 3	TCAC139	0	8	SOL		
Kinsevere phase 3	TCAC139	8	13	SLT		
Kinsevere phase 3	TCAC139	13	57	SLT	CBH	
Kinsevere phase 3	TCAC140	0	11	SOL		
Kinsevere phase 3	TCAC140	11	15	SLT		
Kinsevere phase 3	TCAC140	15	21	UNK		
Kinsevere phase 3	TCAC141	0	8	UNK		SOL
Kinsevere phase 3	TCAC141	8	17	SOL		Ku
Kinsevere phase 3	TCAC141	17	45	SLT	CBL	Ku
Kinsevere phase 3	TCAC141	45	60	SST	CBS	Ku
Kinsevere phase 3	TCAC142	0	1	UNK		Ku
Kinsevere phase 3	TCAC142	1	5	SLT		SOL
Kinsevere phase 3	TCAC142	5	7	UNK		Ku
Kinsevere phase 3	TCAC142	7	18	CBL	SLT	Ku
Kinsevere phase 3	TCAC142	18	41	CBL	SLT	Ku
Kinsevere phase 3	TCAC142	41	60	CBL	SST	Ku
Kinsevere phase 3	TCAC143	0	8	UNK		Ku
Kinsevere phase 3	TCAC143	8	12	DLL	SLT	Ku
Kinsevere phase 3	TCAC143	20	60	CBL	SLT	Ku
Kinsevere phase 3	TCAC144	0	2	UNK		SOL
Kinsevere phase 3	TCAC144	2	5	SOL	SLT	SOL
Kinsevere phase 3	TCAC144	5	10	UNK		SOL
Kinsevere phase 3	TCAC144	10	21	UNK		Ku
Kinsevere phase 3	TCAC144	21	50	CBL	SLT	Ku
Kinsevere phase 3	TCDG001	0	4.1999998	SOL		OVB
Kinsevere phase 3	TCDG001	4.1999998	69.800003	DARG		RAT
Kinsevere phase 3	TCDG001	69.800003	96.5	BARG		RATB
Kinsevere phase 3	TCDG001	96.5	140.2	NR		UNK
Kinsevere phase 3	TCDG002	0	4	SOL	SPR	OVB
Kinsevere phase 3	TCDG002	4	89.300003	ARG		RRAT
Kinsevere phase 3	TCDG002	89.300003	100.8	DARG		RATB
Kinsevere phase 3	TCDG002	100.8	107.1	ARG		RAT
Kinsevere phase 3	TCDG002	107.1	140.3	RATB	BARG	RATB
Kinsevere phase 3	TCDG003	0	5.5	SOL		OVB
Kinsevere phase 3	TCDG003	5.5	9.1999998	SPR	ARG	RAT
Kinsevere phase 3	TCDG003	9.1999998	13	BARG		FZ
Kinsevere phase 3	TCDG003	13	17	ARG		RAT
Kinsevere phase 3	TCDG003	17	21.799999	DARG		RAT
Kinsevere phase 3	TCDG003	21.799999	35.799999	ARG		RAT
Kinsevere phase 3	TCDG003	35.799999	44.799999	DARG	DLB	RAT
Kinsevere phase 3	TCDG003	44.799999	97	ARG	DARG	RAT
Kinsevere phase 3	TCDG003	97	129.39999	ARG	SLT	RAT
Kinsevere phase 3	TCDG003	129.39999	131.3	FIL		FZ
Kinsevere phase 3	TCDG003	131.3	135.8	ARG		UNK
Kinsevere phase 3	TCDG003	135.8	136.2	DLB	MX	FZ
Kinsevere phase 3	TCDG003	136.2	140.3	DLB		CMN
Kinsevere phase 3	TCDG004	0	6	SOL		OVB
Kinsevere phase 3	TCDG004	6	8.3000002	SP		OVB
Kinsevere phase 3	TCDG004	8.3000002	11.5	ARG		RAT
Kinsevere phase 3	TCDG004	11.5	15.5	SST		RAT
Kinsevere phase 3	TCDG004	15.5	71.800003	ARG	BARG	RAT
Kinsevere phase 3	TCDG004	71.800003	76.300003	RATB		RATB
Kinsevere phase 3	TCDG004	76.300003	91.400002	DARG		RAT
Kinsevere phase 3	TCDG004	91.400002	93	SST		UNK
Kinsevere phase 3	TCDG004	93	103	ARG	DARG	UNK
Kinsevere phase 3	TCDG004	103	109.3	ARG		UNK
Kinsevere phase 3	TCDG004	109.3	133.3	DLL	DLC	CMN
Kinsevere phase 3	TFDG001	0	1	SOL		OVB
Kinsevere phase 3	TFDG001	1	7	HBX	SPR	FZ
Kinsevere phase 3	TFDG001	7	9	DLL	SHA	CMN
Kinsevere phase 3	TFDG001	9	30	DLB	DLL	CMN
Kinsevere phase 3	TFDG001	30	34.5	DLB	DLL	CMN
Kinsevere phase 3	TFDG001	34.5	36	NR		NR

Kinsevere phase 3	TFDG001	36	46.5	DLB	SHDL	CMN
Kinsevere phase 3	TFDG001	46.5	51	DLB		CMN
Kinsevere phase 3	TFDG001	51	54.400002	DBX		CMN
Kinsevere phase 3	TFDG001	54.400002	72.919998	DLB		CMN
Kinsevere phase 3	TFDG001	72.919998	75.400002	DLB	DLC	CMN
Kinsevere phase 3	TFDG001	75.400002	80.400002	DLB	DLL	CMN
Kinsevere phase 3	TFDG001	80.400002	88.5	SHDL		CMN
Kinsevere phase 3	TFDG001	88.5	98	NR		NR
Kinsevere phase 3	TFDG002					
Kinsevere phase 3	TFDG004	0	17.9	SHA	SLT	SD
Kinsevere phase 3	TFDG004	17.9	57.5	SLT	SHA	SD
Kinsevere phase 3	TFDG004	57.5	61.380001	DLB	DLH	RSF
Kinsevere phase 3	TFDG004	61.380001	65.400002	DLB		DSTR
Kinsevere phase 3	TFDG004	65.400002	66.5	NR		FZ
Kinsevere phase 3	TFDG004	66.5	72.400002	DLB		DSTR
Kinsevere phase 3	TFDG004	72.400002	76.599998	ARG		GRAT
Kinsevere phase 3	TFDG004	76.599998	78.699997	ARG		GRAT
Kinsevere phase 3	TFDG004	78.699997	79	HBX	CF	FZ
Kinsevere phase 3	TFDG004	79	94.099998	ARG	SLT	GRAT
Kinsevere phase 3	TFDG004	94.099998	95.199997	NR		FZ
Kinsevere phase 3	TFDG004	95.199997	114.7	DLB	DLL	DSTR
Kinsevere phase 3	TFDG004	114.7	120	ARG	SLT	GRAT
Kinsevere phase 3	TFDG004	120	130	ARG		GRAT
Kinsevere phase 3	TFDG005	0	31	DLB		CMN
Kinsevere phase 3	TFDG005	31	37.299999	DLB		CMN
Kinsevere phase 3	TFDG005	37.299999	38.799999	NR		NR
Kinsevere phase 3	TFDG005	38.799999	46.599998	DLB		CMN
Kinsevere phase 3	TFDG005	46.599998	49.299999	NR		NR
Kinsevere phase 3	TFDG005	49.299999	71.300003	DLB		CMN
Kinsevere phase 3	TFDG005	71.300003	75.57	SHA	SHDL	CMN
Kinsevere phase 3	TFDG005	75.57	78.199997	SHC		CMN
Kinsevere phase 3	TFDG005	78.199997	95.5	DLH		CMN
Kinsevere phase 3	TFDG005	95.5	98.800003	DBX	MX	FZ
Kinsevere phase 3	TFDG005	98.800003	101.8	NR		NR
Kinsevere phase 3	TFDG005	101.8	110.3	MX	FZ	FZ
Kinsevere phase 3	TFDG005	110.3	110.8	DLB		CMN
Kinsevere phase 3	TFDG005	110.8	112.3	NR		NR
Kinsevere phase 3	TFDG005	112.3	116.1	DBX	DLH	CMN
Kinsevere phase 3	TFDG005	116.1	118.3	NR		NR
Kinsevere phase 3	TFDG005	118.3	122.6	DLB		CMN
Kinsevere phase 3	TFDG005	122.6	129.8	CARS		CMN
Kinsevere phase 3	TFDG005	129.8	131.8	DLB		CMN
Kinsevere phase 3	TFDH004	0	3	ARG		RAT
Kinsevere phase 3	TFDH004	3	11.6	RATB		RATB
Kinsevere phase 3	TFDH004	11.6	42	ARG	SST	RRAT
Kinsevere phase 3	TFDH004	42	85.599998	RATB		RATB
Kinsevere phase 3	TFDH004	85.599998	87.699997	DBX		FZ
Kinsevere phase 3	TFDH004	87.699997	89	SHDL		FZ
Kinsevere phase 3	TFDH004	89	90.699997	NR		NR
Kinsevere phase 3	TFDH004	90.699997	98.199997	HBX		FZ
Kinsevere phase 3	TFDH004	98.199997	101.2	NR		
Kinsevere phase 3	TFDH004	101.2	102.2	DLM	DLH	CMN
Kinsevere phase 3	TFDH004	102.2	105.1	SHA		CMN
Kinsevere phase 3	TFDH004	105.1	110.7	DLH		CMN
Kinsevere phase 3	TFDH004	110.7	113.2	NR		
Kinsevere phase 3	TFDH004	113.2	121.1	SHA		CMN
Kinsevere phase 3	TFDH004	121.1	129	SHC		CMN
Kinsevere phase 3	TFDH004	129	138.13	SHC	DLC	CMN
Kinsevere phase 3	TFDH004	138.13	144.10001	DLM	SHC	CMN
Kinsevere phase 3	TFDH004	144.10001	164.60001	SHC	DLM	CMN
Kinsevere phase 3	TFDH004	164.60001	180.2	DLM	SHDL	CMN
Kinsevere phase 3	TFDH004	180.2	182.7	VC		UNK
Kinsevere phase 3	TFDH004	182.7	202.74001	RATB		RATB

Kinsevere phase 3	TFDH004	202.74001	213.19	SHC	DLC	SD
Kinsevere phase 3	TFDH004	213.19	229.89999	DLC		SD
Kinsevere phase 3	TFDH004	229.89999	277	SHC	DLC	SD
Kinsevere phase 3	TFDH004	277	283.10001	DLH	SHDL	SD
Kinsevere phase 3	TFDH004	283.10001	289.25	DLB	DLC	SD
Kinsevere phase 3	TFDH004	289.25	297.29999	DLB	DLC	SD
Kinsevere phase 3	TFDH004	297.29999	297.54999	DLB		SD
Kinsevere phase 3	TFDH004	297.54999	302	ARG		GRAT
Kinsevere phase 3	TFDH005	0	1.3	SPR		OVB
Kinsevere phase 3	TFDH005	1.3	17.200001	ARG		GRAT
Kinsevere phase 3	TFDH005	17.200001	17.799999	HBX		FZ
Kinsevere phase 3	TFDH005	17.799999	22.4	DIA		Ku11
Kinsevere phase 3	TFDH005	22.4	24	MX	BARG	FZ
Kinsevere phase 3	TFDH005	24	44.099998	HBX		FZ
Kinsevere phase 3	TFDH005	44.099998	65.5	DLB		CMN
Kinsevere phase 3	TFDH005	65.5	83.099998	ARG	SLT	CMN
Kinsevere phase 3	TFDH005	83.099998	87.599998	ARG		RRAT
Kinsevere phase 3	TFDH005	87.599998	95.099998	NR		NR
Kinsevere phase 3	TFDH005	95.099998	96.800003	DLB	DLC	CMN
Kinsevere phase 3	TFDH005	96.800003	122.9	DLB	DLC	CMN
Kinsevere phase 3	TFDH005	122.9	143	HBX	MX	FZ
Kinsevere phase 3	TFDH005	143	144.60001	SHA		CMN
Kinsevere phase 3	TFDH005	144.60001	152.75	SHA	SHDL	CMN
Kinsevere phase 3	TFDH005	152.75	185.3	DLB		CMN
Kinsevere phase 3	TFDH005	185.3	190.5	SHA	MX	CMN
Kinsevere phase 3	TFDH005	190.5	199	DLB	SHA	CMN
Kinsevere phase 3	TFDH005	199	201.8	DLB		CMN
Kinsevere phase 3	TFDH005	201.8	228.2	SHA	DLB	CMN
Kinsevere phase 3	TFDH005	228.2	233.2	HBX		CMN
Kinsevere phase 3	TFDH005	233.2	241.33	DBX		CMN
Kinsevere phase 3	TFDH005	241.33	242.57001	DBX		CMN
Kinsevere phase 3	TFDH005	242.57001	246.66	DLC	SHC	CMN
Kinsevere phase 3	TFDH005	246.66	265.45001	HBX	BARG	CMN
Kinsevere phase 3	TFDH005	265.45001	267.75	RATB		RATB
Kinsevere phase 3	TFDH005	267.75	268.70001	DLB	DBX	CMN
Kinsevere phase 3	TFDH005	268.70001	300.60001	DLB		CMN
Kinsevere phase 3	TFDH006	0	32	ARG	SLT	RAT
Kinsevere phase 3	TFDH006	20	47.400002	HBX		RAT
Kinsevere phase 3	TFDH006	32	45	RATB		RATB
Kinsevere phase 3	TFDH006	45	47.400002	SHA		SD
Kinsevere phase 3	TFDH006	47.400002	160	SHC		SD
Kinsevere phase 3	TFDH006	160	177	DLC	SHC	SD
Kinsevere phase 3	TFDH006	177	232.5	SHC		SD
Kinsevere phase 3	TFDH006	232.5	259.29999	SHC		SD
Kinsevere phase 3	TFDH006	259.29999	300	CARS		SD
Kinsevere phase 3	TFDH006	300	300.66	SHR		FZ
Kinsevere phase 3	TFDH006	300.66	301.14001	QZ	MX	FZ
Kinsevere phase 3	TFDH006	301.14001	302	ARG	SHR	FZ
Kinsevere phase 3	TFDH006	302	312.60001	ARG	SLT	RRAT
Kinsevere phase 3	TFDH007	0	33	ARG	SLT	RRAT
Kinsevere phase 3	TFDH007	33	57	ARG	SLT	GRAT
Kinsevere phase 3	TFDH007	57	64.699997	ARG		GRAT
Kinsevere phase 3	TFDH007	64.699997	70.099998	DLB		DSTR
Kinsevere phase 3	TFDH007	70.099998	87.800003	SHC	CARS	SD
Kinsevere phase 3	TFDH007	87.800003	93.199997	SHC	CARS	SD
Kinsevere phase 3	TFDH007	93.199997	141	SHC		SD
Kinsevere phase 3	TFDH007	141	152.7	SHDL		SD
Kinsevere phase 3	TFDH007	152.7	214	SHC		SD
Kinsevere phase 3	TFDH007	214	228.3	SHA	SHDL	SD
Kinsevere phase 3	TFDH007	228.3	270	CARS		SD
Kinsevere phase 3	TFDH007	270	387.29999	SHDL	SHA	SD
Kinsevere phase 3	TFDH007	387.29999	443	DLC	SHC	SD
Kinsevere phase 3	TFDH007	443	455.39999	DLC	SHC	SD

Kinsevere phase 3	TFDH007	455.39999	459	MX		SD
Kinsevere phase 3	TFDH007	459	459.04999	FZ	SHR	FZ
Kinsevere phase 3	TFDH007	459.04999	464	RATB		RATB
Kinsevere phase 3	TFDH007	464	482.29999	ARG		RAT
Kinsevere phase 3	TFRC026	0	1	SLT		
Kinsevere phase 3	TFRC026	1	2	UNK		DSTR
Kinsevere phase 3	TFRC026	2	4	CBM		DSTR
Kinsevere phase 3	TFRC026	4	6	CBM		GRAT
Kinsevere phase 3	TFRC026	6	20	CBM		GRAT
Kinsevere phase 3	TFRC026	20	26	CBM		GRAT
Kinsevere phase 3	TFRC026	26	27	CBM		GRAT
Kinsevere phase 3	TFRC026	27	34	CBM		GRAT
Kinsevere phase 3	TFRC026	34	41	CBM		SD
Kinsevere phase 3	TFRC026	41	56	SHA		SD
Kinsevere phase 3	TFRC026	56	94	SHA		SD
Kinsevere phase 3	TFRC026	94	105	SHA		SD
Kinsevere phase 3	TFRC026	105	116	SHA		SD
Kinsevere phase 3	TFRC026	116	126	SHA		SD
Kinsevere phase 3	TFRC026	126	138	SHA		SD
Kinsevere phase 3	TFRC026	138	176	SHA		SD
Kinsevere phase 3	TFRC027	0	23	SLT		GRAT
Kinsevere phase 3	TFRC027	23	36	SLT		GRAT
Kinsevere phase 3	TFRC027	36	40	SLT		GRAT
Kinsevere phase 3	TFRC027	40	55	SLT		GRAT
Kinsevere phase 3	TFRC027	55	60	SLT		GRAT
Kinsevere phase 3	TFRC027	60	75	SLT		GRAT
Kinsevere phase 3	TFRC028	0	15	SLT		GRAT
Kinsevere phase 3	TFRC028	15	17	SST		GRAT
Kinsevere phase 3	TFRC028	17	29	SLT		GRAT
Kinsevere phase 3	TFRC028	29	52	SLT		
Kinsevere phase 3	TFRC028	52	56	UNK		GRAT
Kinsevere phase 3	TFRC028	56	60	SLT		GRAT
Kinsevere phase 3	TFRC028	60	76	SLT		GRAT
Kinsevere phase 3	TFRC029	0	2	SLT		GRAT
Kinsevere phase 3	TFRC029	2	5	SLT		GRAT
Kinsevere phase 3	TFRC029	5	7	SLT		GRAT
Kinsevere phase 3	TFRC029	7	14	SLT		GRAT
Kinsevere phase 3	TFRC029	14	22	SLT		GRAT
Kinsevere phase 3	TFRC029	22	24	SLT		GRAT
Kinsevere phase 3	TFRC029	24	30	SLT		GRAT
Kinsevere phase 3	TFRC029	30	31	SLT		GRAT
Kinsevere phase 3	TFRC029	31	33	SLT		GRAT
Kinsevere phase 3	TFRC029	33	36	SLT		GRAT
Kinsevere phase 3	TFRC029	36	37	SLT		GRAT
Kinsevere phase 3	TFRC029	37	39	SLT		GRAT
Kinsevere phase 3	TFRC029	39	41	SLT		GRAT
Kinsevere phase 3	TFRC029	41	42	SLT		GRAT
Kinsevere phase 3	TFRC029	42	47	SLT		GRAT
Kinsevere phase 3	TFRC029	47	62	SLT		GRAT
Kinsevere phase 3	TFRC029	62	80	SLT		GRAT
Kinsevere phase 3	TFRC029	80	100	SLT		GRAT
Kinsevere phase 3	TFRC029	100	156	SLT		GRAT
Kinsevere phase 3	TFRC029	156	180	SLT		GRAT
Kinsevere phase 3	TFRC030	0	2	SHA		SD
Kinsevere phase 3	TFRC030	2	11	SHA		SD
Kinsevere phase 3	TFRC030	11	21	SHA		
Kinsevere phase 3	TFRC030	21	22	UNK		SD
Kinsevere phase 3	TFRC030	22	30	SHA		DSTR
Kinsevere phase 3	TFRC030	30	47	UNK		GRAT
Kinsevere phase 3	TFRC030	47	120	SLT		GRAT
Kinsevere phase 3	TFRC031	0	1	UNK		CMN
Kinsevere phase 3	TFRC031	1	7	SLT		CMN
Kinsevere phase 3	TFRC031	7	23	SLT		CMN

Kinsevere phase 3	TFRC031	23	42	SLT	CMN
Kinsevere phase 3	TFRC031	42	45	SLT	SD
Kinsevere phase 3	TFRC031	45	71	SHA	SD
Kinsevere phase 3	TFRC031	71	84	SHA	SD
Kinsevere phase 3	TFRC031	84	88	SHA	SD
Kinsevere phase 3	TFRC031	88	97	SHA	BX
Kinsevere phase 3	TFRC031	97	105	SHA	RSF
Kinsevere phase 3	TFRC031	105	108	SLT	DSTR
Kinsevere phase 3	TFRC031	108	120	CBL	GRAT
Kinsevere phase 3	TFRC031	120	153	SLT	SD
Kinsevere phase 3	TFRC031	153	161	SHA	SD
Kinsevere phase 3	TFRC032				
Kinsevere phase 3	TFRC032A	0	1	SLT	CMN
Kinsevere phase 3	TFRC032A	1	2	SLT	CMN
Kinsevere phase 3	TFRC032A	2	19	SLT	CMN
Kinsevere phase 3	TFRC032A	19	20	SLT	CMN
Kinsevere phase 3	TFRC032A	20	26	CBL	CMN
Kinsevere phase 3	TFRC032A	26	31	SLT	CMN
Kinsevere phase 3	TFRC032A	31	32	CBL	CMN
Kinsevere phase 3	TFRC032A	32	33	SHA	CMN
Kinsevere phase 3	TFRC032A	33	40	CBL	CMN
Kinsevere phase 3	TFRC032A	40	50	SLT	CMN
Kinsevere phase 3	TFRC032A	50	62	SLT	CMN
Kinsevere phase 3	TFRC032A	62	70	SLT	CMN
Kinsevere phase 3	TFRC032A	70	84	SLT	SD
Kinsevere phase 3	TFRC032A	84	96	SHA	SD
Kinsevere phase 3	TFRC032A	96	107	SHA	SD
Kinsevere phase 3	TFRC032A	107	117	SHA	SD
Kinsevere phase 3	TFRC032A	117	130	CBL	SD
Kinsevere phase 3	TFRC032A	130	132	SHA	SD
Kinsevere phase 3	TFRC032A	132	138	SHA	SD
Kinsevere phase 3	TFRC032A	138	144	SHA	SD
Kinsevere phase 3	TFRC032A	144	147	SHA	SD
Kinsevere phase 3	TFRC032A	147	150	SHA	SD
Kinsevere phase 3	TFRC033	0	1	UNK	CMN
Kinsevere phase 3	TFRC033	1	8	SLT	CMN
Kinsevere phase 3	TFRC033	8	28	SLT	CMN
Kinsevere phase 3	TFRC033	28	31	SLT	CMN
Kinsevere phase 3	TFRC033	31	40	SLT	CMN
Kinsevere phase 3	TFRC033	40	60	SLT	SD
Kinsevere phase 3	TFRC033	60	69	SHA	SD
Kinsevere phase 3	TFRC033	69	75	SHA	SD
Kinsevere phase 3	TFRC033	75	77	CBL	SD
Kinsevere phase 3	TFRC033	77	82	SHA	SD
Kinsevere phase 3	TFRC033	82	85	SHA	SD
Kinsevere phase 3	TFRC033	85	93	SHA	SD
Kinsevere phase 3	TFRC033	93	98	SHA	SD
Kinsevere phase 3	TFRC033	98	100	SHA	SD
Kinsevere phase 3	TFRC033	100	101	SHA	SD
Kinsevere phase 3	TFRC033	101	102	SHA	SD
Kinsevere phase 3	TFRC033	102	110	SHA	BX
Kinsevere phase 3	TFRC033	110	113	SHA	DSTR
Kinsevere phase 3	TFRC033	113	120	CBL	GRAT
Kinsevere phase 3	TFRC033	120	122	SLT	GRAT
Kinsevere phase 3	TFRC033	122	126	SLT	GRAT
Kinsevere phase 3	TFRC033	126	129	SLT	GRAT
Kinsevere phase 3	TFRC033	129	132	SLT	GRAT
Kinsevere phase 3	TFRC033	132	137	SLT	SD
Kinsevere phase 3	TFRC033	137	141	SHA	SD
Kinsevere phase 3	TFRC034	0	2	UNK	RRAT
Kinsevere phase 3	TFRC034	2	29	SLT	RRAT
Kinsevere phase 3	TFRC034	29	32	SLT	RRAT
Kinsevere phase 3	TFRC034	32	40	SLT	RRAT

Kinsevere phase 3	TFRC034	40	41	SLT	RRAT
Kinsevere phase 3	TFRC034	41	78	SLT	RRAT
Kinsevere phase 3	TFRC034	78	81	SLT	RRAT
Kinsevere phase 3	TFRC034	81	84	SLT	RRAT
Kinsevere phase 3	TFRC035	0	20	SLT	RRAT
Kinsevere phase 3	TFRC035	20	40	SLT	RRAT
Kinsevere phase 3	TFRC035	40	50	SLT	RRAT
Kinsevere phase 3	TFRC036	0	1	SLT	DSTR
Kinsevere phase 3	TFRC036	1	4	SLT	DSTR
Kinsevere phase 3	TFRC036	4	6	SLT	DSTR
Kinsevere phase 3	TFRC036	6	10	CBL	DSTR
Kinsevere phase 3	TFRC036	10	12	CBL	GRAT
Kinsevere phase 3	TFRC036	12	20	SLT	GRAT
Kinsevere phase 3	TFRC036	20	37	SLT	GRAT
Kinsevere phase 3	TFRC036	37	42	SLT	GRAT
Kinsevere phase 3	TFRC036	42	53	SLT	RRAT
Kinsevere phase 3	TFRC036	53	103	SLT	RRAT
Kinsevere phase 3	TFRC036	103	120	SLT	RRAT
Kinsevere phase 3	TFRC037	0	23	SLT	GRAT
Kinsevere phase 3	TFRC037	23	33	SLT	RRAT
Kinsevere phase 3	TFRC037	33	55	SLT	RRAT
Kinsevere phase 3	TFRC038	0	14	SLT	GRAT
Kinsevere phase 3	TFRC038	14	26	SLT	GRAT
Kinsevere phase 3	TFRC038	26	34	SLT	GRAT
Kinsevere phase 3	TFRC038	34	38	SLT	
Kinsevere phase 3	TFRC038	38	46	UNK	
Kinsevere phase 3	TFRC039	0	47	SLT	RRAT
Kinsevere phase 3	TFRC039	47	60	SLT	RRAT
Kinsevere phase 3	TFRC040	0	30	SLT	RRAT
Kinsevere phase 3	TFRC040	30	60	SLT	RRAT
Kinsevere phase 3	TFRC041	0	8	SLT	GRAT
Kinsevere phase 3	TFRC041	8	13	SLT	GRAT
Kinsevere phase 3	TFRC041	13	31	SLT	RRAT
Kinsevere phase 3	TFRC041	31	55	SLT	RRAT
Kinsevere phase 3	TFRC042	0	2	UNK	GRAT
Kinsevere phase 3	TFRC042	2	9	SLT	GRAT
Kinsevere phase 3	TFRC042	9	22	SLT	GRAT
Kinsevere phase 3	TFRC042	22	26	SLT	GRAT
Kinsevere phase 3	TFRC042	26	38	SLT	GRAT
Kinsevere phase 3	TFRC042	38	40	SLT	GRAT
Kinsevere phase 3	TFRC042	40	50	SLT	GRAT
Kinsevere phase 3	TFRC042	50	55	SLT	GRAT
Kinsevere phase 3	TFRC042	55	111	SLT	GRAT
Kinsevere phase 3	TFRC043	0	8	SLT	GRAT
Kinsevere phase 3	TFRC043	8	25	SLT	GRAT
Kinsevere phase 3	TFRC043	25	56	SLT	GRAT
Kinsevere phase 3	TFRC043	56	70	SLT	GRAT
Kinsevere phase 3	TFRC044	0	3	UNK	SOL
Kinsevere phase 3	TFRC044	3	8	SOL	DSTR
Kinsevere phase 3	TFRC044	8	12	CBL	DSTR
Kinsevere phase 3	TFRC044	12	15	CBL	DSTR
Kinsevere phase 3	TFRC044	15	22	CBL	DSTR
Kinsevere phase 3	TFRC044	22	33	CBL	DSTR
Kinsevere phase 3	TFRC044	33	37	CBL	DSTR
Kinsevere phase 3	TFRC044	37	40	CBL	GRAT
Kinsevere phase 3	TFRC044	40	44	SLT	GRAT
Kinsevere phase 3	TFRC044	44	49	SLT	GRAT
Kinsevere phase 3	TFRC044	49	53	SLT	GRAT
Kinsevere phase 3	TFRC044	53	57	SLT	GRAT
Kinsevere phase 3	TFRC044	57	62	SLT	GRAT
Kinsevere phase 3	TFRC044	62	78	SLT	GRAT
Kinsevere phase 3	TFRC044	78	87	SLT	SD
Kinsevere phase 3	TFRC044	87	90	SHA	SD

Kinsevere phase 3	TFRC044	90	100	SHA	SD
Kinsevere phase 3	TFRC044	100	131	SHA	SD
Kinsevere phase 3	TFRC045	0	2	UNK	DSTR
Kinsevere phase 3	TFRC045	2	43	CBL	GRAT
Kinsevere phase 3	TFRC045	43	52	UNK	BX
Kinsevere phase 3	TFRC045	52	57	UNK	CMN
Kinsevere phase 3	TFRC045	57	60	SLT	CMN
Kinsevere phase 3	TFRC045	60	66	SLT	CMN
Kinsevere phase 3	TFRC045	66	77	SLT	CMN
Kinsevere phase 3	TFRC045	77	80	SHA	CMN
Kinsevere phase 3	TFRC045	80	84	SHA	CMN
Kinsevere phase 3	TFRC045	84	89	UNK	CMN
Kinsevere phase 3	TFRC045	89	92	SHA	CMN
Kinsevere phase 3	TFRC045	92	98	SHA	CMN
Kinsevere phase 3	TFRC045	98	105	SHA	CMN
Kinsevere phase 3	TFRC046	0	7	UNK	CMN
Kinsevere phase 3	TFRC046	7	10	UNK	CMN
Kinsevere phase 3	TFRC046	10	14	SLT	CMN
Kinsevere phase 3	TFRC046	14	19	SHA	CMN
Kinsevere phase 3	TFRC046	19	24	SLT	CMN
Kinsevere phase 3	TFRC046	24	28	SLT	CMN
Kinsevere phase 3	TFRC046	28	30	SLT	CMN
Kinsevere phase 3	TFRC046	30	32	SLT	CMN
Kinsevere phase 3	TFRC046	32	34	SHA	CMN
Kinsevere phase 3	TFRC046	34	36	SHA	CMN
Kinsevere phase 3	TFRC046	36	43	SLT	CMN
Kinsevere phase 3	TFRC046	43	49	SLT	CMN
Kinsevere phase 3	TFRC046	49	61	SLT	CMN
Kinsevere phase 3	TFRC046	61	78	SHA	CMN
Kinsevere phase 3	TFRC046	78	82	SLT	
Kinsevere phase 3	TFRC046	82	83	UNK	CMN
Kinsevere phase 3	TFRC046	83	86	SLT	CMN
Kinsevere phase 3	TFRC046	86	89	SHA	CMN
Kinsevere phase 3	TFRC046	89	90	SLT	CMN
Kinsevere phase 3	TFRC046	90	94	SHA	CMN
Kinsevere phase 3	TFRC047	0	3	SLT	GRAT
Kinsevere phase 3	TFRC047	3	8	SLT	GRAT
Kinsevere phase 3	TFRC047	8	10	SLT	GRAT
Kinsevere phase 3	TFRC047	10	15	SLT	GRAT
Kinsevere phase 3	TFRC047	15	18	SLT	GRAT
Kinsevere phase 3	TFRC047	18	19	SLT	GRAT
Kinsevere phase 3	TFRC047	19	20	SLT	GRAT
Kinsevere phase 3	TFRC047	20	67	SLT	GRAT
Kinsevere phase 3	TFRC047	67	68	SLT	GRAT
Kinsevere phase 3	TFRC047	68	96	SLT	
Kinsevere phase 3	TFRC047	96	97	SLT	GRAT
Kinsevere phase 3	TFRC047	97	98	SLT	GRAT
Kinsevere phase 3	TFRC048	0	2	SOL	GRAT
Kinsevere phase 3	TFRC048	2	4	SLT	GRAT
Kinsevere phase 3	TFRC048	4	20	SLT	GRAT
Kinsevere phase 3	TFRC048	20	54	SLT	GRAT
Kinsevere phase 3	TFRC048	54	55	SLT	GRAT
Kinsevere phase 3	TFRC048	55	56	SLT	GRAT
Kinsevere phase 3	TFRC048	56	57	SLT	GRAT
Kinsevere phase 3	TFRC048	57	58	SLT	GRAT
Kinsevere phase 3	TFRC048	58	59	SLT	GRAT
Kinsevere phase 3	TFRC048	59	69	SLT	GRAT
Kinsevere phase 3	TFRC048	69	71	SLT	GRAT
Kinsevere phase 3	TFRC048	71	74	SLT	GRAT
Kinsevere phase 3	TFRC048	74	100	SLT	GRAT
Kinsevere phase 3	TFRC048	100	110	SLT	GRAT
Kinsevere phase 3	TFRC048	110	117	SLT	GRAT
Kinsevere phase 3	TFRC048	117	122	SLT	GRAT

Kinsevere phase 3	TFRC048	122	130	SLT	GRAT
Kinsevere phase 3	TFRC049	0	3	SLT	GRAT
Kinsevere phase 3	TFRC049	3	6	SLT	GRAT
Kinsevere phase 3	TFRC049	6	16	SLT	GRAT
Kinsevere phase 3	TFRC049	16	30	SLT	GRAT
Kinsevere phase 3	TFRC049	30	40	SLT	GRAT
Kinsevere phase 3	TFRC049	40	50	SLT	GRAT
Kinsevere phase 3	TFRC049	50	65	SLT	GRAT
Kinsevere phase 3	TFRC049	65	73	SLT	GRAT
Kinsevere phase 3	TFRC049	73	78	SLT	GRAT
Kinsevere phase 3	TFRC049	78	117	SLT	GRAT
Kinsevere phase 3	TFRC049	117	120	SLT	GRAT
Kinsevere phase 3	TFRC050	0	21	SLT	GRAT
Kinsevere phase 3	TFRC050	21	25	SLT	GRAT
Kinsevere phase 3	TFRC050	25	28	SLT	GRAT
Kinsevere phase 3	TFRC050	28	31	SLT	GRAT
Kinsevere phase 3	TFRC050	31	71	SLT	CMN
Kinsevere phase 3	TFRC050	71	72	SHA	GRAT
Kinsevere phase 3	TFRC050	72	76	SLT	GRAT
Kinsevere phase 3	TFRC050	76	79	SLT	GRAT
Kinsevere phase 3	TFRC050	79	80	SLT	GRAT
Kinsevere phase 3	TFRC051	0	18	SLT	DSTR
Kinsevere phase 3	TFRC051	18	23	CBL	DSTR
Kinsevere phase 3	TFRC051	23	48	CBL	GRAT
Kinsevere phase 3	TFRC051	48	50	SLT	GRAT
Kinsevere phase 3	TFRC051	50	51	SLT	GRAT
Kinsevere phase 3	TFRC051	51	71	SLT	GRAT
Kinsevere phase 3	TFRC051	71	76	SLT	GRAT
Kinsevere phase 3	TFRC051	76	82	SLT	GRAT
Kinsevere phase 3	TFRC051	82	90	SLT	GRAT
Kinsevere phase 3	TFRC051	90	100	SLT	CMN
Kinsevere phase 3	TFRC051	100	120	CBL	CMN
Kinsevere phase 3	TFRC052	0	24	SLT	CMN
Kinsevere phase 3	TFRC052	24	48	SHA	GRAT
Kinsevere phase 3	TFRC052	48	49	SLT	GRAT
Kinsevere phase 3	TFRC052	49	52	SLT	GRAT
Kinsevere phase 3	TFRC052	52	57	SLT	GRAT
Kinsevere phase 3	TFRC052	57	61	SLT	GRAT
Kinsevere phase 3	TFRC053	0	4	SOL	CMN
Kinsevere phase 3	TFRC053	4	9	CBL	CMN
Kinsevere phase 3	TFRC053	9	13	CBL	CMN
Kinsevere phase 3	TFRC053	13	15	SHA	CMN
Kinsevere phase 3	TFRC053	15	22	SLT	CMN
Kinsevere phase 3	TFRC053	22	40	SLT	CMN
Kinsevere phase 3	TFRC053	40	43	SHA	CMN
Kinsevere phase 3	TFRC053	43	48	SHA	SD
Kinsevere phase 3	TFRC053	48	103	SHA	SD
Kinsevere phase 3	TFRC054	0	2	SOL	SOL
Kinsevere phase 3	TFRC054	2	9	SOL	CMN
Kinsevere phase 3	TFRC054	9	26	CBL	CMN
Kinsevere phase 3	TFRC054	26	27	CBL	CMN
Kinsevere phase 3	TFRC054	27	35	CBL	CMN
Kinsevere phase 3	TFRC054	35	37	CBL	CMN
Kinsevere phase 3	TFRC054	37	41	CBL	CMN
Kinsevere phase 3	TFRC054	41	50	CBL	CMN
Kinsevere phase 3	TFRC054	50	52	CBL	CMN
Kinsevere phase 3	TFRC054	52	61	CBL	CMN
Kinsevere phase 3	TFRC054	61	63	SHA	SD
Kinsevere phase 3	TFRC054	63	70	CBL	SD
Kinsevere phase 3	TFRC054	70	83	SHA	SD
Kinsevere phase 3	TFRC054	83	90	SHA	SD
Kinsevere phase 3	TFRC054	90	94	SHA	SD
Kinsevere phase 3	TFRC054	94	97	SHA	SD

Kinsevere phase 3	TFRC054	97	99	SHA		SD
Kinsevere phase 3	TFRC054	99	100	SHA		SD
Kinsevere phase 3	TFRC054	100	101	SHA		SD
Kinsevere phase 3	TFRC054	101	102	SHA		SD
Kinsevere phase 3	TFRC054	102	103	SHA		SD
Kinsevere phase 3	TFRC054	103	105	SHA		SD
Kinsevere phase 3	TFRC054	105	106	SHA		SD
Kinsevere phase 3	TFRC054	106	109	SHA		SD
Kinsevere phase 3	TFRC054	109	110	SHA		SD
Kinsevere phase 3	TFRC055	0	1	UNK		GRAT
Kinsevere phase 3	TFRC055	1	60	SLT		GRAT
Kinsevere phase 3	TFRC055	60	69	SLT		GRAT
Kinsevere phase 3	TFRC055	69	96	SLT		GRAT
Kinsevere phase 3	TFRC055	96	98	SLT		GRAT
Kinsevere phase 3	TFRC055	98	100	SLT		GRAT
Kinsevere phase 3	TFRC055	100	101	SLT		GRAT
Kinsevere phase 3	TFRC055	101	102	SLT		GRAT
Kinsevere phase 3	TFRC055	102	103	SLT		GRAT
Kinsevere phase 3	TFRC055	103	105	SLT		GRAT
Kinsevere phase 3	TFRC055	105	106	SLT		GRAT
Kinsevere phase 3	TFRC055	106	115	SLT		GRAT
Kinsevere phase 3	TFRC055	115	121	SST		GRAT
Kinsevere phase 3	TFRC056	0	1	UNK		DSTR
Kinsevere phase 3	TFRC056	1	4	CBL		DSTR
Kinsevere phase 3	TFRC056	4	12	CBL		DSTR
Kinsevere phase 3	TFRC056	12	22	CBL		GRAT
Kinsevere phase 3	TFRC056	22	25	SLT		GRAT
Kinsevere phase 3	TFRC056	25	28	SLT		GRAT
Kinsevere phase 3	TFRC056	28	32	SLT		GRAT
Kinsevere phase 3	TFRC056	32	34	SLT		GRAT
Kinsevere phase 3	TFRC056	34	50	SLT		GRAT
Kinsevere phase 3	TFRC056	50	60	SLT		GRAT
Kinsevere phase 3	TFRC056	60	63	SLT		GRAT
Kinsevere phase 3	TFRC056	63	100	SLT		GRAT
Kinsevere phase 3	TFRC057	0	13	SLT		SD
Kinsevere phase 3	TFRC057	13	21	SLT		SD
Kinsevere phase 3	TFRC057	21	38	SLT		SD
Kinsevere phase 3	TFRC057	38	42	SLT		SD
Kinsevere phase 3	TFRC057	42	43	SLT		SD
Kinsevere phase 3	TFRC057	43	45	SLT		SD
Kinsevere phase 3	TFRC057	45	55	SLT		SD
Kinsevere phase 3	TFRC057	55	56	SLT		RSF
Kinsevere phase 3	TFRC057	56	60	SLT		RSF
Kinsevere phase 3	TFRC057	60	75	SLT		GRAT
Kinsevere phase 3	TFRC057	75	101	SLT		BX
Kinsevere phase 3	TFRC057	101	114	UNK		CMN
Kinsevere phase 3	TFRC057	114	122	SLT		
Kinsevere phase 3	TFRC057	122	125	UNK		CMN
Kinsevere phase 3	TFRC057	125	128	SLT		
Kinsevere phase 3	TFRC057	128	129	UNK		CMN
Kinsevere phase 3	TFRC057	129	131	SLT		
Kinsevere phase 3	TFRC057	131	134	UNK	CBS	CMN
Kinsevere phase 3	TFRC057	134	146	SLT		CMN
Kinsevere phase 3	TFRC058	0	13	SLT		CMN
Kinsevere phase 3	TFRC058	13	29	SLT		SD
Kinsevere phase 3	TFRC058	29	37	SLT		RSF
Kinsevere phase 3	TFRC058	37	42	SST		RSF
Kinsevere phase 3	TFRC058	42	56	SST		GRAT
Kinsevere phase 3	TFRC058	56	60	SLT		GRAT
Kinsevere phase 3	TFRC058	60	66	SLT		BX
Kinsevere phase 3	TFRC058	66	77	UNK		CMN
Kinsevere phase 3	TFRC058	77	83	SLT		CMN
Kinsevere phase 3	TFRC058	83	86	SLT		CMN

Kinsevere phase 3	TFRC058	86	88	SLT	CMN
Kinsevere phase 3	TFRC058	88	113	SLT	
Kinsevere phase 3	TFRC058	113	114	UNK	CMN
Kinsevere phase 3	TFRC058	114	127	SLT	CMN
Kinsevere phase 3	TFRC058	127	138	SLT	CMN
Kinsevere phase 3	TFRC058	138	142	SLT	
Kinsevere phase 3	TFRC058	142	143	UNK	CMN
Kinsevere phase 3	TFRC058	143	150	SLT	CMN
Kinsevere phase 3	TFRC059	0	3	SLT	CMN
Kinsevere phase 3	TFRC059	3	28	SLT	CMN
Kinsevere phase 3	TFRC059	28	53	SLT	CMN
Kinsevere phase 3	TFRC059	53	60	SST	CMN
Kinsevere phase 3	TFRC059	60	111	SLT	CMN
Kinsevere phase 3	TFRC059	111	131	SLT	CMN
Kinsevere phase 3	TFRC059	131	133	SLT	
Kinsevere phase 3	TFRC059	133	134	UNK	CMN
Kinsevere phase 3	TFRC059	134	150	UNK	CMN
Kinsevere phase 3	TFRC060	0	1	UNK	CMN
Kinsevere phase 3	TFRC060	1	6	SLT	CMN
Kinsevere phase 3	TFRC060	6	16	SLT	CMN
Kinsevere phase 3	TFRC060	16	48	SLT	
Kinsevere phase 3	TFRC060	48	49	UNK	CMN
Kinsevere phase 3	TFRC060	49	51	SST	
Kinsevere phase 3	TFRC060	51	52	UNK	CMN
Kinsevere phase 3	TFRC060	52	56	SST	CMN
Kinsevere phase 3	TFRC060	56	59	SST	CMN
Kinsevere phase 3	TFRC060	59	61	SST	CMN
Kinsevere phase 3	TFRC060	61	66	SST	
Kinsevere phase 3	TFRC060	66	67	UNK	CMN
Kinsevere phase 3	TFRC060	67	72	SLT	CMN
Kinsevere phase 3	TFRC060	72	90	SLT	CMN
Kinsevere phase 3	TFRC060	90	95	SLT	CMN
Kinsevere phase 3	TFRC060	95	96	SLT	CMN
Kinsevere phase 3	TFRC060	96	97	SLT	CMN
Kinsevere phase 3	TFRC060	97	99	SLT	CMN
Kinsevere phase 3	TFRC060	99	125	SLT	CMN
Kinsevere phase 3	TFRC061	0	1	UNK	CMN
Kinsevere phase 3	TFRC061	1	6	SST	CMN
Kinsevere phase 3	TFRC061	6	35	SLT	CMN
Kinsevere phase 3	TFRC061	35	42	SST	CMN
Kinsevere phase 3	TFRC061	42	45	SLT	CMN
Kinsevere phase 3	TFRC061	45	50	SLT	CMN
Kinsevere phase 3	TFRC061	50	56	SLT	CMN
Kinsevere phase 3	TFRC061	56	62	SLT	CMN
Kinsevere phase 3	TFRC061	62	67	SLT	CMN
Kinsevere phase 3	TFRC061	67	80	SLT	CMN
Kinsevere phase 3	TFRC061	80	88	SLT	CMN
Kinsevere phase 3	TFRC061	88	116	SLT	CMN
Kinsevere phase 3	TFRC061	116	120	SLT	CMN
Kinsevere phase 3	TFRC061	120	133	SLT	CMN
Kinsevere phase 3	TFRC061	133	136	SLT	
Kinsevere phase 3	TFRC061	136	138	SLT	CMN
Kinsevere phase 3	TFRC061	138	146	SLT	CMN
Kinsevere phase 3	TFRC061	146	150	SLT	CMN
Kinsevere phase 3	TFRC062	0	4	SOL	CMN
Kinsevere phase 3	TFRC062	4	22	SST	CMN
Kinsevere phase 3	TFRC062	22	31	SST	CMN
Kinsevere phase 3	TFRC062	31	45	SST	CMN
Kinsevere phase 3	TFRC062	45	66	SLT	CMN
Kinsevere phase 3	TFRC062	66	68	SLT	CMN
Kinsevere phase 3	TFRC062	68	88	SLT	CMN
Kinsevere phase 3	TFRC062	88	90	SST	CMN
Kinsevere phase 3	TFRC062	90	92	SLT	CMN

Kinsevere phase 3	TFRC062	92	140	SST		CMN
Kinsevere phase 3	TFRC062	140	145	SST		CMN
Kinsevere phase 3	TFRC062	145	147	SST		CMN
Kinsevere phase 3	TFRC062	147	150	SST		CMN
Kinsevere phase 3	TFRC063	0	3	SOL		SOL
Kinsevere phase 3	TFRC063	3	7	SST		SOL
Kinsevere phase 3	TFRC063	7	17	SST		CMN
Kinsevere phase 3	TFRC063	17	23	SST		CMN
Kinsevere phase 3	TFRC063	23	30	SST		CMN
Kinsevere phase 3	TFRC063	30	33	SST		CMN
Kinsevere phase 3	TFRC063	33	34	SST		CMN
Kinsevere phase 3	TFRC063	34	36	SST		CMN
Kinsevere phase 3	TFRC063	36	40	SST		CMN
Kinsevere phase 3	TFRC063	40	46	SST		
Kinsevere phase 3	TFRC063	46	47	UNK		CMN
Kinsevere phase 3	TFRC063	47	62	SST		
Kinsevere phase 3	TFRC063	62	63	UNK		CMN
Kinsevere phase 3	TFRC063	63	65	SST		CMN
Kinsevere phase 3	TFRC063	65	67	SST		
Kinsevere phase 3	TFRC063	67	68	UNK		CMN
Kinsevere phase 3	TFRC063	68	69	SST		
Kinsevere phase 3	TFRC063	69	70	UNK		CMN
Kinsevere phase 3	TFRC063	70	110	SLT		CMN
Kinsevere phase 3	TFRC063	110	118	SLT		CMN
Kinsevere phase 3	TFRC063	118	120	SLT		CMN
Kinsevere phase 3	TFRC063	120	131	SLT		CMN
Kinsevere phase 3	TFRC064	0	1	UNK		SOL
Kinsevere phase 3	TFRC064	1	4	SOL		CMN
Kinsevere phase 3	TFRC064	4	24	SLT		CMN
Kinsevere phase 3	TFRC064	24	36	SLT		CMN
Kinsevere phase 3	TFRC064	36	58	SLT		
Kinsevere phase 3	TFRC064	58	60	UNK		CMN
Kinsevere phase 3	TFRC064	60	70	SLT		CMN
Kinsevere phase 3	TFRC064	70	75	SLT		CMN
Kinsevere phase 3	TFRC064	75	77	SLT		CMN
Kinsevere phase 3	TFRC064	77	84	SLT		CMN
Kinsevere phase 3	TFRC064	84	86	SLT		CMN
Kinsevere phase 3	TFRC064	86	89	SST		CMN
Kinsevere phase 3	TFRC064	89	116	SST		CMN
Kinsevere phase 3	TFRC065	0	1	UNK		SOL
Kinsevere phase 3	TFRC065	1	4	SOL		RRAT
Kinsevere phase 3	TFRC065	4	16	SLT		GRAT
Kinsevere phase 3	TFRC065	16	80	SLT		GRAT
Kinsevere phase 3	TFRC066	0	2	UNK		SOL
Kinsevere phase 3	TFRC066	2	8	SOL		CMN
Kinsevere phase 3	TFRC066	8	24	SLT		CMN
Kinsevere phase 3	TFRC066	24	36	SLT		CMN
Kinsevere phase 3	TFRC066	36	71	SLT		CMN
Kinsevere phase 3	TFRC066	71	72	SLT		CMN
Kinsevere phase 3	TFRC066	72	76	SLT		CMN
Kinsevere phase 3	TFRC066	76	107	SLT		
Kinsevere phase 3	TFRC066	107	108	UNK		CMN
Kinsevere phase 3	TFRC066	108	131	SLT		CMN
Kinsevere phase 3	TFRC067	0	4	SOL		CMN
Kinsevere phase 3	TFRC067	4	60	SLT		CMN
Kinsevere phase 3	TFRC067	60	72	SLT		CMN
Kinsevere phase 3	TFRC067	72	75	SLT		CMN
Kinsevere phase 3	TFRC067	75	94	SLT		CMN
Kinsevere phase 3	TFRC067	94	123	SLT		CMN
Kinsevere phase 3	TFRC067	123	136	SLT		CMN
Kinsevere phase 3	TFRC068	0	6	SOL		CMN
Kinsevere phase 3	TFRC068	6	18	SLT	DLL	CMN
Kinsevere phase 3	TFRC068	18	19	SLT	CBM	CMN

Kinsevere phase 3	TFRC068	19	33	SLT	DLL	CMN
Kinsevere phase 3	TFRC068	33	80	SLT	DLL	CMN
Kinsevere phase 3	TFRC068	80	86	SLT		CMN
Kinsevere phase 3	TFRC069	0	1	UNK		SOL
Kinsevere phase 3	TFRC069	1	6	SOL		CMN
Kinsevere phase 3	TFRC069	6	40	SLT	DLL	CMN
Kinsevere phase 3	TFRC069	40	85	SLT	DLL	GRAT
Kinsevere phase 3	TFRC069	85	101	SLT		GRAT
Kinsevere phase 3	TFRC070	0	1	UNK		SOL
Kinsevere phase 3	TFRC070	1	9	SOL		CMN
Kinsevere phase 3	TFRC070	9	29	SLT	DLL	CMN
Kinsevere phase 3	TFRC070	29	80	SLT		CMN
Kinsevere phase 3	TFRC071	0	6	SOL		CMN
Kinsevere phase 3	TFRC071	6	30	SLT	DLL	CMN
Kinsevere phase 3	TFRC071	30	80	SLT		CMN
Kinsevere phase 3	TFRC072	0	6	SOL		CMN
Kinsevere phase 3	TFRC072	6	33	SLT	CBM	CMN
Kinsevere phase 3	TFRC072	33	52	SLT	CBH	CMN
Kinsevere phase 3	TFRC072	52	57	SLT	CBH	CMN
Kinsevere phase 3	TFRC072	57	60	SLT	CBH	CMN
Kinsevere phase 3	TFRC072	60	68	SLT	CBM	CMN
Kinsevere phase 3	TFRC072	68	102	SLT	CBM	CMN
Kinsevere phase 3	TFRC072	102	105	SLT	CBM	CMN
Kinsevere phase 3	TFRC072	105	111	SLT	CBM	
Kinsevere phase 3	TFRC072	111	112	UNK		CMN
Kinsevere phase 3	TFRC072	112	140	SLT		CMN
Kinsevere phase 3	TFRC073	0	1	UNK		CMN
Kinsevere phase 3	TFRC073	1	9	SOL		CMN
Kinsevere phase 3	TFRC073	9	61	CON		CMN
Kinsevere phase 3	TFRC073	61	64	CON		CMN
Kinsevere phase 3	TFRC073	64	71	CON		CMN
Kinsevere phase 3	TFRC073	71	78	UNK		CMN
Kinsevere phase 3	TFRC073	78	82	SST		CMN
Kinsevere phase 3	TFRC073	82	104	SLT		CMN
Kinsevere phase 3	TFRC073	104	110	SHA		CMN
Kinsevere phase 3	TFRC073	110	115	UNK		CMN
Kinsevere phase 3	TFRC073	115	117	CON		CMN
Kinsevere phase 3	TFRC073	117	118	CON		CMN
Kinsevere phase 3	TFRC073	118	121	UNK		CMN
Kinsevere phase 3	TFRC073	121	124	UNK		CMN
Kinsevere phase 3	TFRC073	124	150	SHA		CMN
Kinsevere phase 3	TFRC074	0	1	UNK		SOL
Kinsevere phase 3	TFRC074	1	9	SOL		CMN
Kinsevere phase 3	TFRC074	9	43	SLT	DLL	CMN
Kinsevere phase 3	TFRC074	43	48	SLT	DLL	CMN
Kinsevere phase 3	TFRC074	48	60	CON		CMN
Kinsevere phase 3	TFRC074	60	120	UNK		CMN
Kinsevere phase 3	TFRC075	0	9	SOL		CMN
Kinsevere phase 3	TFRC075	9	18	CBL	SLT	CMN
Kinsevere phase 3	TFRC075	18	21	CBL	CON	CMN
Kinsevere phase 3	TFRC075	21	25	SLT	DLL	CMN
Kinsevere phase 3	TFRC075	25	26	CON		CMN
Kinsevere phase 3	TFRC075	26	38	CON		CMN
Kinsevere phase 3	TFRC075	38	49	SLT	CBL	CMN
Kinsevere phase 3	TFRC075	49	51	SLT	CBL	CMN
Kinsevere phase 3	TFRC075	51	52	CON		CMN
Kinsevere phase 3	TFRC075	52	56	SLT		CMN
Kinsevere phase 3	TFRC075	56	57	UNK		CMN
Kinsevere phase 3	TFRC075	57	62	SLT	DLL	CMN
Kinsevere phase 3	TFRC075	62	66	UNK		CMN
Kinsevere phase 3	TFRC075	66	92	SLT	DLL	CMN
Kinsevere phase 3	TFRC075	92	100	CBL	SLT	CMN
Kinsevere phase 3	TFRC075	100	112	UNK		CMN

Kinsevere phase 3	TFRC075	112	116	SST		CMN
Kinsevere phase 3	TFRC076	0	2	SOL		
Kinsevere phase 3	TFRC076	2	3	UNK		SOL
Kinsevere phase 3	TFRC076	3	7	SOL		
Kinsevere phase 3	TFRC076	7	9	SLT	CBM	CMN
Kinsevere phase 3	TFRC076	9	17	CBL	SLT	CMN
Kinsevere phase 3	TFRC076	17	21	CBL	CON	CMN
Kinsevere phase 3	TFRC076	21	25	SLT	DLL	CMN
Kinsevere phase 3	TFRC076	25	26	CON		CMN
Kinsevere phase 3	TFRC076	26	27	CON		CMN
Kinsevere phase 3	TFRC076	27	38	SST	CBM	CMN
Kinsevere phase 3	TFRC076	38	40	SLT	CBM	CMN
Kinsevere phase 3	TFRC076	40	43	SLT	CBM	CMN
Kinsevere phase 3	TFRC076	43	44	SLT	CBM	CMN
Kinsevere phase 3	TFRC076	44	49	SLT	CBM	CMN
Kinsevere phase 3	TFRC076	51	52	CON		CMN
Kinsevere phase 3	TFRC076	52	56	SLT		CMN
Kinsevere phase 3	TFRC076	56	57	UNK		CMN
Kinsevere phase 3	TFRC076	66	68	UNK		CMN
Kinsevere phase 3	TFRC076	68	91	SLT	CBM	CMN
Kinsevere phase 3	TFRC077	0	1	UNK		SOL
Kinsevere phase 3	TFRC077	1	6	SOL		CMN
Kinsevere phase 3	TFRC077	6	10	SLT	DLL	CMN
Kinsevere phase 3	TFRC077	10	48	SLT	DLL	CMN
Kinsevere phase 3	TFRC077	48	49	SLT	CBM	CMN
Kinsevere phase 3	TFRC077	49	54	SLT	DLL	CMN
Kinsevere phase 3	TFRC077	54	55	SLT	CBM	CMN
Kinsevere phase 3	TFRC077	55	66	SLT	DLL	CMN
Kinsevere phase 3	TFRC077	66	70	SLT	DLL	CMN
Kinsevere phase 3	TFRC077	70	71	SLT	CBM	CMN
Kinsevere phase 3	TFRC077	71	80	SLT	DLL	CMN
Kinsevere phase 3	TFRC078	0	1	UNK		SOL
Kinsevere phase 3	TFRC078	1	6	SOL		CMN
Kinsevere phase 3	TFRC078	6	80	SLT	DLL	CMN
Kinsevere phase 3	TFRC079	0	2	UNK		SOL
Kinsevere phase 3	TFRC079	2	8	SOL		CMN
Kinsevere phase 3	TFRC079	8	28	SLT	DLL	CMN
Kinsevere phase 3	TFRC079	28	80	SLT		CMN
Kinsevere phase 3	TFRC080	0	1	UNK		SOL
Kinsevere phase 3	TFRC080	1	8	SOL		CMN
Kinsevere phase 3	TFRC080	8	30	SLT	DLL	CMN
Kinsevere phase 3	TFRC080	30	80	SLT	DLL	CMN
Kinsevere phase 3	TFRC081	0	2	UNK		SOL
Kinsevere phase 3	TFRC081	2	5	SOL		
Kinsevere phase 3	TFRC081	5	6	UNK		CMN
Kinsevere phase 3	TFRC081	6	45	SLT	DLL	CMN
Kinsevere phase 3	TFRC081	45	80	SLT		CMN
Kinsevere phase 3	TFRC082	0	4	UNK		CMN
Kinsevere phase 3	TFRC082	4	38	SLT	DLL	CMN
Kinsevere phase 3	TFRC082	38	61	SLT	DLL	CMN
Kinsevere phase 3	TFRC082	61	62	SLT	DLL	CMN
Kinsevere phase 3	TFRC082	62	76	SST	CBM	CMN
Kinsevere phase 3	TFRC082	76	85	SLT	CBS	CMN
Kinsevere phase 3	TFRC082	85	88	SLT	CBM	CMN
Kinsevere phase 3	TFRC082	88	93	SLT	CBS	CMN
Kinsevere phase 3	TFRC082	93	112	SST	CBS	CMN
Kinsevere phase 3	TFRC082	112	118	SLT	CBS	CMN
Kinsevere phase 3	TFRC082	118	128	SST	CBS	CMN
Kinsevere phase 3	TFRC082	128	130	SLT	CBS	CMN
Kinsevere phase 3	TFRC082	130	132	SST	CBS	CMN
Kinsevere phase 3	TFRC082	132	133	SST		CMN
Kinsevere phase 3	TFRC082	133	137	SST		CMN
Kinsevere phase 3	TFRC082	137	141	SST	CBS	

Kinsevere phase 3	TFRC082	141	143	UNK		CMN
Kinsevere phase 3	TFRC082	143	150	SST	CBS	CMN
Kinsevere phase 3	TFRC083	0	6	SOL		SOL
Kinsevere phase 3	TFRC083	6	8	SOL		CMN
Kinsevere phase 3	TFRC083	8	23	SLT		CMN
Kinsevere phase 3	TFRC083	23	80	SLT		CMN
Kinsevere phase 3	TFRC084	0	1	UNK		SOL
Kinsevere phase 3	TFRC084	1	7	SOL		CMN
Kinsevere phase 3	TFRC084	7	17	SLT	DLL	CMN
Kinsevere phase 3	TFRC084	17	25	SLT	DLL	CMN
Kinsevere phase 3	TFRC084	25	47	SST	CBM	
Kinsevere phase 3	TFRC084	47	48	UNK		CMN
Kinsevere phase 3	TFRC084	48	53	SST	CBM	CMN
Kinsevere phase 3	TFRC084	53	57	SLT	DLL	CMN
Kinsevere phase 3	TFRC084	57	62	SLT	DLL	CMN
Kinsevere phase 3	TFRC084	62	70	SLT	CBM	CMN
Kinsevere phase 3	TFRC084	70	81	SLT	CBM	CMN
Kinsevere phase 3	TFRC084	81	91	SLT	CBM	CMN
Kinsevere phase 3	TFRC084	91	140	SLT	CBM	CMN
Kinsevere phase 3	TFRC084	140	150	SLT	CBM	CMN
Kinsevere phase 3	TFRC085	0	1	UNK		CMN
Kinsevere phase 3	TFRC085	1	4	SOL		CMN
Kinsevere phase 3	TFRC085	4	5	SLT	DLL	CMN
Kinsevere phase 3	TFRC085	5	6	SLT	DLL	CMN
Kinsevere phase 3	TFRC085	6	7	SLT	DLL	CMN
Kinsevere phase 3	TFRC085	7	28	SLT	DLL	CMN
Kinsevere phase 3	TFRC085	28	33	SST	CBM	CMN
Kinsevere phase 3	TFRC085	33	42	SST	CBL	
Kinsevere phase 3	TFRC085	42	43	UNK		CMN
Kinsevere phase 3	TFRC085	43	86	SLT	CBM	CMN
Kinsevere phase 3	TFRC085	86	91	SLT	CBM	CMN
Kinsevere phase 3	TFRC085	91	95	SLT	DLL	CMN
Kinsevere phase 3	TFRC085	95	103	SLT	CBM	CMN
Kinsevere phase 3	TFRC085	103	106	SLT	CBM	
Kinsevere phase 3	TFRC085	106	108	UNK		CMN
Kinsevere phase 3	TFRC085	108	110	SLT	CBM	CMN
Kinsevere phase 3	TFRC085	110	141	SLT	CBM	CMN
Kinsevere phase 3	TFRC086	0	6	SOL		CMN
Kinsevere phase 3	TFRC086	6	106	SLT	CBM	CMN
Kinsevere phase 3	TFRC087	0	6	SOL		CMN
Kinsevere phase 3	TFRC087	6	7	SLT	CBM	CMN
Kinsevere phase 3	TFRC087	7	12	SLT	CBL	CMN
Kinsevere phase 3	TFRC087	12	16	SLT	CBM	CMN
Kinsevere phase 3	TFRC087	16	20	SLT	CBM	CMN
Kinsevere phase 3	TFRC087	20	33	SLT	CBM	CMN
Kinsevere phase 3	TFRC087	33	37	SLT	CBM	CMN
Kinsevere phase 3	TFRC087	37	48	SLT	CBM	CMN
Kinsevere phase 3	TFRC087	48	49	SLT	CBM	CMN
Kinsevere phase 3	TFRC087	49	52	SLT	CBM	CMN
Kinsevere phase 3	TFRC087	52	80	UNK		CMN
Kinsevere phase 3	TFRC088	0	3	SLT	CBM	CMN
Kinsevere phase 3	TFRC088	3	10	SLT	CBM	CMN
Kinsevere phase 3	TFRC088	10	49	SLT	CBM	CMN
Kinsevere phase 3	TFRC088	49	57	SLT	CBM	CMN
Kinsevere phase 3	TFRC088	57	77	SLT	CBM	
Kinsevere phase 3	TFRC088	77	78	SLT	CBM	CMN
Kinsevere phase 3	TFRC088	78	87	SLT	CBM	CMN
Kinsevere phase 3	TFRC088	87	94	SLT	CBM	CMN
Kinsevere phase 3	TFRC088	94	100	SLT	CBL	CMN
Kinsevere phase 3	TFRC088	100	107	SLT	DLL	CMN
Kinsevere phase 3	TFRC088	107	130	SLT	CBM	CMN
Kinsevere phase 3	TFRC089	0	6	SOL		CMN
Kinsevere phase 3	TFRC089	6	10	SLT	DLL	CMN

Kinsevere phase 3	TFRC089	10	54	SLT	CBM	CMN
Kinsevere phase 3	TFRC089	54	64	SLT	CBM	CMN
Kinsevere phase 3	TFRC089	64	78	SLT		CMN
Kinsevere phase 3	TFRC089	78	95	SLT	DLL	CMN
Kinsevere phase 3	TFRC089	95	107	SLT	DLL	CMN
Kinsevere phase 3	TFRC090	0	3	SOL		CMN
Kinsevere phase 3	TFRC090	3	14	SLT	DLL	CMN
Kinsevere phase 3	TFRC090	14	20	SLT	CBM	CMN
Kinsevere phase 3	TFRC090	20	30	SLT	CBL	CMN
Kinsevere phase 3	TFRC090	30	55	SLT	CBL	CMN
Kinsevere phase 3	TFRC090	55	82	SLT	CBM	CMN
Kinsevere phase 3	TFRC090	82	100	SLT	CBM	CMN
Kinsevere phase 3	TFRC091	0	7	SOL		CMN
Kinsevere phase 3	TFRC091	7	28	SLT	DLL	CMN
Kinsevere phase 3	TFRC091	28	65	SLT	DLL	CMN
Kinsevere phase 3	TFRC091	65	73	SLT	DLL	CMN
Kinsevere phase 3	TFRC091	73	76	SLT	DLL	CMN
Kinsevere phase 3	TFRC091	76	79	SLT	DLL	CMN
Kinsevere phase 3	TFRC091	79	86	SLT	DLL	CMN
Kinsevere phase 3	TFRC091	86	89	SLT	CBM	CMN
Kinsevere phase 3	TFRC091	89	95	SLT	DLL	CMN
Kinsevere phase 3	TFRC091	95	125	UNK	DLL	CMN
Kinsevere phase 3	TFRC092	0	10	UNK		CMN
Kinsevere phase 3	TFRC092	10	15	SLT	DLL	CMN
Kinsevere phase 3	TFRC092	15	18	SLT	DLL	CMN
Kinsevere phase 3	TFRC092	18	41	SLT	CBM	
Kinsevere phase 3	TFRC092	41	42	UNK		CMN
Kinsevere phase 3	TFRC092	42	49	SLT	CBM	
Kinsevere phase 3	TFRC092	49	50	UNK		CMN
Kinsevere phase 3	TFRC092	50	51	SLT	CBM	
Kinsevere phase 3	TFRC092	51	52	UNK		CMN
Kinsevere phase 3	TFRC092	52	61	SLT	CBM	
Kinsevere phase 3	TFRC092	61	62	UNK		CMN
Kinsevere phase 3	TFRC092	62	70	SLT	CBM	CMN
Kinsevere phase 3	TFRC093	0	1	UNK		SOL
Kinsevere phase 3	TFRC093	1	2	UNK		
Kinsevere phase 3	TFRC093	2	4	SOL		SOL
Kinsevere phase 3	TFRC093	4	6	SOL		CMN
Kinsevere phase 3	TFRC093	6	54	SLT	DLL	CMN
Kinsevere phase 3	TFRC093	54	57	SST	CBM	CMN
Kinsevere phase 3	TFRC093	57	81	SLT	DLL	CMN
Kinsevere phase 3	TFRC094	0	3	UNK		SOL
Kinsevere phase 3	TFRC094	3	8	SOL		CMN
Kinsevere phase 3	TFRC094	8	80	SLT	DLL	CMN
Kinsevere phase 3	TFRC095	0	1	SOL		SOL
Kinsevere phase 3	TFRC095	1	7	SOL		SD
Kinsevere phase 3	TFRC095	7	31	SLT	DLL	SD
Kinsevere phase 3	TFRC095	31	36	SLT	DLL	SD
Kinsevere phase 3	TFRC095	36	39	SLT	DLL	SD
Kinsevere phase 3	TFRC095	40	47	SLT		SD
Kinsevere phase 3	TFRC095	47	54	SLT		SD
Kinsevere phase 3	TFRC095	54	62	SLT	DLL	SD
Kinsevere phase 3	TFRC095	62	64	SLT	DLL	SD
Kinsevere phase 3	TFRC095	64	75	SLT		SD
Kinsevere phase 3	TFRC095	75	83	SLT		SD
Kinsevere phase 3	TFRC095	83	86	SLT	BXH	SD
Kinsevere phase 3	TFRC095	87	88	SLT	CBM	
Kinsevere phase 3	TFRC095	88	89	SLT	CBM	CMN
Kinsevere phase 3	TFRC095	89	92	SLT	CBM	CMN
Kinsevere phase 3	TFRC095	92	96	SLT	CBM	
Kinsevere phase 3	TFRC095	96	97	SLT	CBM	CMN
Kinsevere phase 3	TFRC095	97	99	SLT	CBM	CMN
Kinsevere phase 3	TFRC095	99	137	SLT	CBM	CMN

Kinsevere phase 3	TFRC095	137	144	SLT	CBM	CMN
Kinsevere phase 3	TFRC095	144	150	SLT	CBM	CMN
Kinsevere phase 3	TFRC096	0	1	SOL		SOL
Kinsevere phase 3	TFRC096	1	21	SLT	DLL	GRAT
Kinsevere phase 3	TFRC096	21	38	SLT		SD
Kinsevere phase 3	TFRC096	38	40	SLT	DLL	SD
Kinsevere phase 3	TFRC096	40	41	SLT	DLL	SD
Kinsevere phase 3	TFRC096	41	46	SLT	DLL	SD
Kinsevere phase 3	TFRC096	46	53	SLT	MEL	SD
Kinsevere phase 3	TFRC096	53	61	SLT	CBM	SD
Kinsevere phase 3	TFRC096	61	65	SLT	CBM	SD
Kinsevere phase 3	TFRC096	65	70	SLT	DLL	SD
Kinsevere phase 3	TFRC096	70	73	SLT	DLL	SD
Kinsevere phase 3	TFRC096	73	115	SLT		SD
Kinsevere phase 3	TFRC096	115	150	SLT		SD
Kinsevere phase 3	TFRC097	0	8	SOL		SD
Kinsevere phase 3	TFRC097	8	20	SLT	DLL	SD
Kinsevere phase 3	TFRC097	20	40	SLT	DLL	SD
Kinsevere phase 3	TFRC097	40	53	SLT	DLL	SD
Kinsevere phase 3	TFRC097	53	58	SLT	DLL	SD
Kinsevere phase 3	TFRC097	58	77	SLT	DLL	SD
Kinsevere phase 3	TFRC097	77	78	SLT	DLL	SD
Kinsevere phase 3	TFRC097	78	126	SLT	DLL	SD
Kinsevere phase 3	TFRC097	126	150	SLT	DLL	SD
Kinsevere phase 3	TFRC098	0	8	SLT	DLL	SOL
Kinsevere phase 3	TFRC098	8	16	SOL		BX
Kinsevere phase 3	TFRC098	16	27	BX		SD
Kinsevere phase 3	TFRC098	27	46	SLT	DLL	SD
Kinsevere phase 3	TFRC098	46	49	SLT	DLL	SD
Kinsevere phase 3	TFRC098	49	52	SLT	DLL	SD
Kinsevere phase 3	TFRC098	52	54	BX		SD
Kinsevere phase 3	TFRC098	54	90	SLT	DLL	SD
Kinsevere phase 3	TFRC099	0	1	UNK		RAT
Kinsevere phase 3	TFRC099	1	80	SLT	DLL	RAT
Kinsevere phase 3	TFRC100	0	8	SOL		SD
Kinsevere phase 3	TFRC100	8	106	SLT		SD
Kinsevere phase 3	TFRC101	0	3	SLT	DLL	GRAT
Kinsevere phase 3	TFRC101	3	34	UNK		RAT
Kinsevere phase 3	TFRC101	34	116	SLT	DLL	RAT
Kinsevere phase 3	TFRC102	0	1	UNK		SOL
Kinsevere phase 3	TFRC102	1	6	SOL		RAT
Kinsevere phase 3	TFRC102	6	80	SLT	DLL	RAT
Kinsevere phase 3	TFRC103	0	3	SLT	DLL	CMN
Kinsevere phase 3	TFRC103	3	39	SLT	DLL	CMN
Kinsevere phase 3	TFRC103	39	54	SLT	DLL	CMN
Kinsevere phase 3	TFRC103	54	106	SLT	DLL	CMN
Kinsevere phase 3	TFRC104	0	1	UNK		RAT
Kinsevere phase 3	TFRC104	1	100	SLT		RAT
Kinsevere phase 4	KPAC397	0	20	SOL		SOL
Kinsevere phase 4	KPAC397	20	27	DLH		RAT
Kinsevere phase 4	KPAC397	27	45	CSS		CMN
Kinsevere phase 4	KPAC398	0	20	SOL		SOL
Kinsevere phase 4	KPAC398	20	40	DLH		RAT
Kinsevere phase 4	KPAC398	40	50	CSS		CMN
Kinsevere phase 4	KPAC398	50	56	DLH		Ku
Kinsevere phase 4	KPAC399	0	17	SOL		SOL
Kinsevere phase 4	KPAC399	17	36	DLH		Ku
Kinsevere phase 4	KPAC399	36	56	DLH		Ku
Kinsevere phase 4	KPAC400	0	13	SOL		SOL
Kinsevere phase 4	KPAC400	13	48	DLH		Ku
Kinsevere phase 4	KPAC401	0	11	SOL		SOL
Kinsevere phase 4	KPAC401	11	28	DLH		Ku
Kinsevere phase 4	KPAC401	28	60	DLH		Ku

Kinsevere phase 4	KPAC402	0	8	SOL	SOL
Kinsevere phase 4	KPAC402	8	11	DLH	Ku
Kinsevere phase 4	KPAC402	11	42	DLH	Ku
Kinsevere phase 4	KPAC403	0	4	SOL	SOL
Kinsevere phase 4	KPAC403	4	60	DLH	Ku
Kinsevere phase 4	KPAC404	0	3	SOL	SOL
Kinsevere phase 4	KPAC404	3	45	DLH	Ku
Kinsevere phase 4	KPAC405	0	3	SOL	SOL
Kinsevere phase 4	KPAC405	3	43	DLH	Ku
Kinsevere phase 4	KPAC405	43	59	DLH	Ku
Kinsevere phase 4	KPAC406	0	2	SOL	SOL
Kinsevere phase 4	KPAC406	2	40	DLH	Ku
Kinsevere phase 4	KPAC406	40	60	DLH	Ku
Kinsevere phase 4	KPAC407	0	1	SOL	SOL
Kinsevere phase 4	KPAC407	1	45	DLH	Ku
Kinsevere phase 4	KPAC408	0	17	SOL	SOL
Kinsevere phase 4	KPAC408	17	45	DLH	RAT
Kinsevere phase 4	KPAC409	0	18	SOL	SOL
Kinsevere phase 4	KPAC409	18	27	DLM	RAT
Kinsevere phase 4	KPAC410	0	13	SOL	SOL
Kinsevere phase 4	KPAC410	13	30	DLH	RAT
Kinsevere phase 4	KPAC410	30	33	DLH	Ku
Kinsevere phase 4	KPAC411	0	3	SOL	SOL
Kinsevere phase 4	KPAC411	3	39	DLH	Ku
Kinsevere phase 4	KPAC412	0	2	SOL	SOL
Kinsevere phase 4	KPAC412	2	37	DLH	Ku
Kinsevere phase 4	KPAC413	0	3	SOL	SOL
Kinsevere phase 4	KPAC413	3	40	DLH	Ku
Kinsevere phase 4	KPAC414	0	3	SOL	SOL
Kinsevere phase 4	KPAC414	3	34	DLH	Ku
Kinsevere phase 4	KPAC415	0	2	SOL	SOL
Kinsevere phase 4	KPAC415	2	40	DLH	Ku
Kinsevere phase 4	KPAC416	0	18	SOL	SOL
Kinsevere phase 4	KPAC417	0	20	SOL	SOL
Kinsevere phase 4	KPAC417	20	27	DLH	RAT
Kinsevere phase 4	KPAC418	0	20	SOL	SOL
Kinsevere phase 4	KPAC418	20	29	DLH	Ku
Kinsevere phase 4	KPAC418	29	65	DLH	Ku
Kinsevere phase 4	KPAC418	65	75	DLH	Ku
Kinsevere phase 4	KPAC419	0	17	SOL	SOL
Kinsevere phase 4	KPAC419	17	45	DLH	Ku
Kinsevere phase 4	KPAC420	0	7	SOL	SOL
Kinsevere phase 4	KPAC420	7	57	DLH	Ku
Kinsevere phase 4	KPAC421	0	3	SOL	SOL
Kinsevere phase 4	KPAC421	3	32	DLH	Ku
Kinsevere phase 4	KPAC421	32	38	DLH	Ku
Kinsevere phase 4	KPAC422	0	3	Dump	OVB
Kinsevere phase 4	KPAC422	3	20	DLT	RAT
Kinsevere phase 4	KPAC422	20	33	DLT	RAT
Kinsevere phase 4	KPAC422	33	63	DLT	RAT
Kinsevere phase 4	KPAC423	0	1	Dump	OVB
Kinsevere phase 4	KPAC423	1	18	DLT	RAT
Kinsevere phase 4	KPAC423	18	19	DLT	RAT
Kinsevere phase 4	KPAC423	19	22	DLT	RAT
Kinsevere phase 4	KPAC423	22	25	DLT	RAT
Kinsevere phase 4	KPAC423	25	39	DLT	RAT
Kinsevere phase 4	KPAC424	0	3	SOL	SOL
Kinsevere phase 4	KPAC424	3	18	DLM	RAT
Kinsevere phase 4	KPAC424	18	21	DLM	RAT
Kinsevere phase 4	KPAC424	21	24	DLH	RAT
Kinsevere phase 4	KPAC424	24	29	DLH	RAT
Kinsevere phase 4	KPAC425	0	5	SOL	SOL
Kinsevere phase 4	KPAC425	5	35	DLM	RAT

Kinsevere phase 4	KPAC426	0	9	SOL	SOL
Kinsevere phase 4	KPAC426	9	40	DLM	RAT
Kinsevere phase 4	KPAC427	0	11	SOL	SOL
Kinsevere phase 4	KPAC427	11	30	DLM	RAT
Kinsevere phase 4	KPAC427	30	39	DLM	RAT
Kinsevere phase 4	KPAC428	0	10	SOL	SOL
Kinsevere phase 4	KPAC428	10	31	DLM	RAT
Kinsevere phase 4	KPAC428	31	45	DLM	Ku
Kinsevere phase 4	KPAC429	0	9	SOL	SOL
Kinsevere phase 4	KPAC429	9	27	DLM	RAT
Kinsevere phase 4	KPAC429	27	42	DLH	Ku
Kinsevere phase 4	KPAC430	0	19	SOL	SOL
Kinsevere phase 4	KPAC430	19	23	DLM	Ku
Kinsevere phase 4	KPAC430	23	48	DLH	Ku
Kinsevere phase 4	KPAC431	0	13	SOL	SOL
Kinsevere phase 4	KPAC431	13	33	SHA	Ku
Kinsevere phase 4	KPAC432	0	13	SOL	SOL
Kinsevere phase 4	KPAC432	13	51	SHA	Ku
Kinsevere phase 4	KPAC433	0	7	SOL	SOL
Kinsevere phase 4	KPAC433	7	39	SLT	Ku
Kinsevere phase 4	KPAC434	0	5	SOL	SOL
Kinsevere phase 4	KPAC434	5	22	SHA	Ku
Kinsevere phase 4	KPAC434	22	43	SLT	Ku
Kinsevere phase 4	KPAC435	0	7	SOL	SOL
Kinsevere phase 4	KPAC435	7	28	SLT	Ku
Kinsevere phase 4	KPAC435	28	34	SLT	Ku
Kinsevere phase 4	KPAC436	0	8	SOL	SOL
Kinsevere phase 4	KPAC436	8	39	SLT	Ku
Kinsevere phase 4	KPAC437	0	5	SOL	SOL
Kinsevere phase 4	KPAC437	5	28	SHA	Ku
Kinsevere phase 4	KPAC437	28	50	SLT	Ku
Kinsevere phase 4	KPAC438	0	5	SOL	SOL
Kinsevere phase 4	KPAC438	5	19	SLT	Ku
Kinsevere phase 4	KPAC438	19	50	SLT	Ku
Kinsevere phase 4	KPAC439	0	5	SOl	SOL
Kinsevere phase 4	KPAC439	5	33	SLT	Ku
Kinsevere phase 4	KPAC439	33	50	SLT	Ku
Kinsevere phase 4	KPAC440	0	7	SOL	SOL
Kinsevere phase 4	KPAC440	7	43	SLT	Ku
Kinsevere phase 4	KPAC441	0	6	SOL	SOL
Kinsevere phase 4	KPAC441	6	34	SLT	Ku
Kinsevere phase 4	KPAC442	0	4	SOL	SOL
Kinsevere phase 4	KPAC442	4	13	SHA	Ku
Kinsevere phase 4	KPAC442	13	39	SLT	Ku
Kinsevere phase 4	KPAC443	0	4	SOL	SOL
Kinsevere phase 4	KPAC443	4	17	SLT	Ku
Kinsevere phase 4	KPAC443	17	39	SLT	Ku
Kinsevere phase 4	KPAC444	0	8	SOL	SOL
Kinsevere phase 4	KPAC444	8	41	SHA	Ku
Kinsevere phase 4	KPAC445	0	8	SOL	SOL
Kinsevere phase 4	KPAC445	8	12	SLT	Ku
Kinsevere phase 4	KPAC445	12	19	SLT	Ku
Kinsevere phase 4	KPAC445	19	33	SLT	Ku
Kinsevere phase 4	KPAC445	33	43	SLT	Ku
Kinsevere phase 4	KPAC446	0	3	SOL	SOL
Kinsevere phase 4	KPAC446	3	58	SLT	Ku
Kinsevere phase 4	KPAC447	0	3	SOL	SOL
Kinsevere phase 4	KPAC447	3	42	SLT	Ku
Kinsevere phase 4	KPAC448	0	4	SOL	SOL
Kinsevere phase 4	KPAC448	4	39	SHA	Ku
Kinsevere phase 4	KPAC449	0	3	SOL	SOL
Kinsevere phase 4	KPAC449	3	24	SHA	Ku
Kinsevere phase 4	KPAC449	24	47	SLT	Ku

Kinsevere phase 4	KPAC450	0	3	SOL	SOL
Kinsevere phase 4	KPAC450	3	29	SHA	Ku
Kinsevere phase 4	KPAC450	29	37	SLT	Ku
Kinsevere phase 4	KPAC451	0	3	SOL	SOL
Kinsevere phase 4	KPAC451	3	18	SHA	Ku
Kinsevere phase 4	KPAC451	18	50	SHA	Ku
Kinsevere phase 4	KPAC452	0	3	SOL	SOL
Kinsevere phase 4	KPAC452	3	28	SHA	Ku
Kinsevere phase 4	KPAC452	28	48	SHA	Ku
Kinsevere phase 4	KPAC453	0	3	SOL	SOL
Kinsevere phase 4	KPAC453	3	36	SHA	Ku
Kinsevere phase 4	KPAC454	0	8	SOL	SOL
Kinsevere phase 4	KPAC454	8	48	SHA	Ku
Kinsevere phase 4	KPAC455	0	5	SOL	SOL
Kinsevere phase 4	KPAC455	5	49	SHA	Ku
Kinsevere phase 4	KPAC456	0	6	SOL	SOL
Kinsevere phase 4	KPAC456	6	50	SHA	Ku
Kinsevere phase 4	KPAC457	0	5	SOL	SOL
Kinsevere phase 4	KPAC457	5	50	SHA	Ku
Kinsevere phase 4	KPAC458	0	5	SOL	SOL
Kinsevere phase 4	KPAC458	5	48	SHA	Ku
Kinsevere phase 4	KPAC459	0	4	SOL	SOL
Kinsevere phase 4	KPAC459	4	36	SLT	Ku
Kinsevere phase 4	KPAC460	0	6	SOL	SOL
Kinsevere phase 4	KPAC460	6	50	SLT	Ku
Kinsevere phase 4	KPAC460	50	75	SLT	Ku
Kinsevere phase 4	KPAC461	0	5	SOL	SOL
Kinsevere phase 4	KPAC461	5	50	SHA	Ku
Kinsevere phase 4	KPAC462	0	3	SOL	SOL
Kinsevere phase 4	KPAC462	3	27	SHA	Ku
Kinsevere phase 4	KPAC462	27	50	SHA	Ku
Kinsevere phase 4	KPAC463	0	3	SOL	SOL
Kinsevere phase 4	KPAC463	3	20	SHA	Ku
Kinsevere phase 4	KPAC463	20	32	SLT	Ku
Kinsevere phase 4	KPAC463	32	45	SLT	Ku
Kinsevere phase 4	KPAC464	0	6	SOL	SOL
Kinsevere phase 4	KPAC464	6	16	SHA	Ku
Kinsevere phase 4	KPAC464	16	20	SHA	Ku
Kinsevere phase 4	KPAC465	0	10	SOL	SOL
Kinsevere phase 4	KPAC465	10	20	SHA	Ku
Kinsevere phase 4	KPAC465	20	27	SHA	Ku
Kinsevere phase 4	KPAC465	27	37	SHA	Ku
Kinsevere phase 4	KPAC466	0	8	SOL	SOL
Kinsevere phase 4	KPAC466	8	13	SHA	Ku
Kinsevere phase 4	KPAC466	13	27	SHA	Ku
Kinsevere phase 4	KPAC466	27	40	SHA	Ku
Kinsevere phase 4	KPAC466	40	50	SHA	Ku
Kinsevere phase 4	KPAC467	0	8	SOL	SOL
Kinsevere phase 4	KPAC467	8	15	SHA	Ku
Kinsevere phase 4	KPAC467	15	30	SHA	Ku
Kinsevere phase 4	KPAC467	30	33	SLT	Ku
Kinsevere phase 4	KPAC467	33	50	SLT	Ku
Kinsevere phase 4	KPAC468	0	3	SOL	SOL
Kinsevere phase 4	KPAC468	3	11	SHA	Ku
Kinsevere phase 4	KPAC468	11	14	SLT	Ku
Kinsevere phase 4	KPAC468	14	34	SHA	Ku
Kinsevere phase 4	KPAC469	0	2	SOL	SOL
Kinsevere phase 4	KPAC469	2	32	SHA	Ku
Kinsevere phase 4	KPAC470	0	2	SOL	SOL
Kinsevere phase 4	KPAC470	2	12	SHA	Ku
Kinsevere phase 4	KPAC470	12	37	SHA	Ku
Kinsevere phase 4	KPAC471	0	4	SOL	SOL
Kinsevere phase 4	KPAC471	4	16	SHA	Ku

Kinsevere phase 4	KPAC471	16	18	SLT	Ku
Kinsevere phase 4	KPAC471	18	33	SHA	Ku
Kinsevere phase 4	KPAC471	33	43	SHA	Ku
Kinsevere phase 4	KPAC472	0	3	SOL	SOL
Kinsevere phase 4	KPAC472	3	30	SHA	Ku
Kinsevere phase 4	KPAC472	30	46	SHA	Ku
Kinsevere phase 4	KPAC473	0	4	SOL	SOL
Kinsevere phase 4	KPAC473	4	28	SHA	Ku
Kinsevere phase 4	KPAC474	0	4	SOL	SOL
Kinsevere phase 4	KPAC474	4	23	SHA	Ku
Kinsevere phase 4	KPAC474	23	37	SLT	Ku
Kinsevere phase 4	KPAC474	37	43	SLT	Ku
Kinsevere phase 4	KPAC475	0	3	SOL	SOL
Kinsevere phase 4	KPAC475	3	28	SHA	Ku
Kinsevere phase 4	KPAC475	28	50	SLT	Ku
Kinsevere phase 4	KPAC476	0	2	SOL	SOL
Kinsevere phase 4	KPAC476	2	27	SHA	Ku
Kinsevere phase 4	KPAC476	27	34	SLT	Ku
Kinsevere phase 4	KPAC477	0	4	SOL	SOL
Kinsevere phase 4	KPAC477	4	30	SHA	Ku
Kinsevere phase 4	KPAC477	30	47	SLT	Ku
Kinsevere phase 4	KPAC478	0	4	SOL	SOL
Kinsevere phase 4	KPAC478	4	29	SHA	Ku
Kinsevere phase 4	KPAC478	29	50	SHA	Ku
Kinsevere phase 4	KPAC479	0	5	SOL	SOL
Kinsevere phase 4	KPAC479	5	46	SHA	Ku
Kinsevere phase 4	KPAC479	46	50	SHA	Ku
Kinsevere phase 4	KPAC480	0	4	SOL	SOL
Kinsevere phase 4	KPAC480	4	39	SHA	Ku
Kinsevere phase 4	KPAC480	39	50	SLT	Ku
Kinsevere phase 4	KPAC481	0	4	SOL	SOL
Kinsevere phase 4	KPAC481	4	34	SHA	Ku
Kinsevere phase 4	KPAC481	34	41	SLT	Ku
Kinsevere phase 4	KPAC482	0	3	SOL	SOL
Kinsevere phase 4	KPAC482	3	37	SHA	Ku
Kinsevere phase 4	KPAC482	37	41	SLT	Ku
Kinsevere phase 4	KPAC483	0	6	SOL	SOL
Kinsevere phase 4	KPAC483	6	37	SHA	Ku
Kinsevere phase 4	KPAC483	37	41	SLT	Ku
Kinsevere phase 4	KPAC484	0	6	SOL	SOL
Kinsevere phase 4	KPAC484	6	26	SHA	Ku
Kinsevere phase 4	KPAC484	26	55	SHA	Ku
Kinsevere phase 4	KPAC484	55	60	SHA	Ku
Kinsevere phase 4	KPAC485	0	6	SOL	SOL
Kinsevere phase 4	KPAC485	6	54	SHA	Ku
Kinsevere phase 4	KPAC485	54	60	SHA	Ku
Kinsevere phase 4	KPAC486	0	6	SOL	SOL
Kinsevere phase 4	KPAC486	6	41	SHA	Ku
Kinsevere phase 4	KPAC486	41	47	SLT	Ku
Kinsevere phase 4	KPAC487	0	2	SOL	SOL
Kinsevere phase 4	KPAC487	2	42	SHA	Ku
Kinsevere phase 4	KPAC488	0	6	SOL	SOL
Kinsevere phase 4	KPAC488	6	60	SHA	Ku
Kinsevere phase 4	KPAC489	0	7	SOL	SOL
Kinsevere phase 4	KPAC489	7	51	SHA	Ku
Kinsevere phase 4	KPAC490	0	6	SOL	SOL
Kinsevere phase 4	KPAC490	6	50	SHA	Ku
Kinsevere phase 4	KPAC491	0	6	SOL	SOL
Kinsevere phase 4	KPAC491	6	50	SHA	Ku
Kinsevere phase 4	KPAC492	0	6	SOL	SOL
Kinsevere phase 4	KPAC492	6	14	SLT	Ku
Kinsevere phase 4	KPAC492	14	28	SLT	Ku
Kinsevere phase 4	KPAC493	0	7	SOL	SOL

Kinsevere phase 4	KPAC493	7	50	SHA	Ku
Kinsevere phase 4	KPAC494	0	14	SOL	SOL
Kinsevere phase 4	KPAC494	14	41	SHA	Ku
Kinsevere phase 4	KPAC494	41	50	SHA	Ku
Kinsevere phase 4	KPAC495	0	9	SOL	SOL
Kinsevere phase 4	KPAC495	9	16	SLT	Ku
Kinsevere phase 4	KPAC495	16	37	SHA	Ku
Kinsevere phase 4	KPAC495	37	42	SLT	Ku
Kinsevere phase 4	KPAC495	42	50	SLT	Ku
Kinsevere phase 4	KPAC496	0	11	SOL	SOL
Kinsevere phase 4	KPAC496	11	37	SHA	Ku
Kinsevere phase 4	KPAC497	0	12	SOL	SOL
Kinsevere phase 4	KPAC497	12	49	SHA	Ku
Kinsevere phase 4	KPAC498	0	8	SOL	SOL
Kinsevere phase 4	KPAC498	8	23	SHA	Ku
Kinsevere phase 4	KPAC498	23	32	SHA	Ku
Kinsevere phase 4	KPAC498	32	50	SLT	Ku
Kinsevere phase 4	KPAC499	0	18	SOL	SOL
Kinsevere phase 4	KPAC499	18	31	SHA	Ku
Kinsevere phase 4	KPAC500	0	3	SOL	SOL
Kinsevere phase 4	KPAC500	3	30	SHA	Ku
Kinsevere phase 4	KPAC500	30	44	SHA	Ku
Kinsevere phase 4	KPAC501	0	3	SOL	SOL
Kinsevere phase 4	KPAC501	3	45	SHA	Ku
Kinsevere phase 4	KPAC502	0	3	SOL	SOL
Kinsevere phase 4	KPAC502	3	45	SHA	Ku
Kinsevere phase 4	KPAC503	0	3	SOL	SOL
Kinsevere phase 4	KPAC503	3	50	SHA	Ku
Kinsevere phase 4	KPAC504	0	10	SOL	SOL
Kinsevere phase 4	KPAC504	10	20	SHA	Ku
Kinsevere phase 4	KPAC504	20	37	SLT	Ku
Kinsevere phase 4	KPAC505	0	10	SOL	SOL
Kinsevere phase 4	KPAC505	10	16	SHA	Ku
Kinsevere phase 4	KPAC505	16	24	CLAY	Ku
Kinsevere phase 4	KPAC505	24	30	SHA	Ku
Kinsevere phase 4	KPAC505	30	36	SLT	Ku
Kinsevere phase 4	KPAC505	36	50	SLT	Ku
Kinsevere phase 4	KPAC506	0	7	SOL	SOL
Kinsevere phase 4	KPAC506	7	14	SHA	Ku
Kinsevere phase 4	KPAC506	14	30	SHA	Ku
Kinsevere phase 4	KPAC506	30	38	SLT	Ku
Kinsevere phase 4	KPAC507	0	2	SOL	SOL
Kinsevere phase 4	KPAC507	2	25	SHA	Ku
Kinsevere phase 4	KPAC507	25	49	DLH	Ku
Kinsevere phase 4	KPAC508	0	2	SOL	SOL
Kinsevere phase 4	KPAC508	2	18	SHA	Ku
Kinsevere phase 4	KPAC508	18	24	SHA	Ku
Kinsevere phase 4	KPAC508	24	47	DLH	Ku
Kinsevere phase 4	KPAC509	0	4	SOL	SOL
Kinsevere phase 4	KPAC509	4	19	SHA	Ku
Kinsevere phase 4	KPAC509	19	33	SHA	Ku
Kinsevere phase 4	KPAC509	33	35	DLH	Ku
Kinsevere phase 4	KPAC510	0	3	SOL	SOL
Kinsevere phase 4	KPAC510	3	17	SHA	Ku
Kinsevere phase 4	KPAC510	17	27	SHA	Ku
Kinsevere phase 4	KPAC510	27	37	DLH	Ku
Kinsevere phase 4	KPAC511	0	3	SOL	SOL
Kinsevere phase 4	KPAC511	3	20	SHA	Ku
Kinsevere phase 4	KPAC511	20	37	DLH	Ku
Kinsevere phase 4	KPAC511	37	39	DLH	Ku
Kinsevere phase 4	KPAC512	0	4	SOL	SOL
Kinsevere phase 4	KPAC512	4	28	SHA	Ku
Kinsevere phase 4	KPAC512	28	55	DLH	Ku

Kinsevere phase 4	KPAC513	0	3	SOL	SOL
Kinsevere phase 4	KPAC513	3	27	SHA	Ku
Kinsevere phase 4	KPAC513	27	35	SHA	Ku
Kinsevere phase 4	KPAC513	35	50	SHA	Ku
Kinsevere phase 4	KPAC514	0	6	SOL	SOL
Kinsevere phase 4	KPAC514	6	27	SHA	Ku
Kinsevere phase 4	KPAC514	27	50	DLH	Ku
Kinsevere phase 4	KPAC515	0	3	SOL	SOL
Kinsevere phase 4	KPAC515	3	13	SHA	Ku
Kinsevere phase 4	KPAC515	13	45	SHA	Ku
Kinsevere phase 4	KPAC515	45	48	DLH	Ku
Kinsevere phase 4	KPAC516	0	3	SOL	SOL
Kinsevere phase 4	KPAC516	3	27	SHA	Ku
Kinsevere phase 4	KPAC516	27	50	SLT	Ku
Kinsevere phase 4	KPAC517	0	4	SOL	SOL
Kinsevere phase 4	KPAC517	4	50	SHA	Ku
Kinsevere phase 4	KPAC518	0	5	SOL	SOL
Kinsevere phase 4	KPAC518	5	50	SHA	Ku
Kinsevere phase 4	KPAC519	0	5	SOL	SOL
Kinsevere phase 4	KPAC519	5	50	SHA	Ku
Kinsevere phase 4	KPAC520	0	5	SOL	SOL
Kinsevere phase 4	KPAC520	5	50	SHA	Ku
Kinsevere phase 4	KPAC521	0	5	SOL	SOL
Kinsevere phase 4	KPAC521	5	34	SHA	Ku
Kinsevere phase 4	KPAC521	34	50	SHA	Ku
Kinsevere phase 4	KPAC522	0	4	SOL	SOL
Kinsevere phase 4	KPAC522	4	32	SHA	Ku
Kinsevere phase 4	KPAC522	32	50	SHA	Ku
Kinsevere phase 4	KPAC523	0	4	SOL	SOL
Kinsevere phase 4	KPAC523	4	9	SHA	Ku
Kinsevere phase 4	KPAC523	9	40	SHA	Ku
Kinsevere phase 4	KPAC523	40	50	SHA	Ku
Kinsevere phase 4	KPAC524	0	9	SOL	SOL
Kinsevere phase 4	KPAC524	9	15	SHA	Ku
Kinsevere phase 4	KPAC524	15	44	MEL	Ku
Kinsevere phase 4	KPAC525	0	14	SOL	SOL
Kinsevere phase 4	KPAC525	14	43	SHA	Ku
Kinsevere phase 4	KPAC525	43	50	SHA	Ku
Kinsevere phase 4	KPAC526	0	8	SOL	SOL
Kinsevere phase 4	KPAC526	8	33	SHA	Ku
Kinsevere phase 4	KPAC526	33	42	SLT	Ku
Kinsevere phase 4	KPAC527	0	6	SOL	SOL
Kinsevere phase 4	KPAC527	6	34	SHA	Ku
Kinsevere phase 4	KPAC528	0	4	SOL	SOL
Kinsevere phase 4	KPAC528	4	45	SHA	Ku
Kinsevere phase 4	KPAC529	0	5	SOL	SOL
Kinsevere phase 4	KPAC529	5	33	SHA	Ku
Kinsevere phase 4	KPAC530	0	3	SOL	SOL
Kinsevere phase 4	KPAC530	3	29	SHA	Ku
Kinsevere phase 4	KPAC530	29	50	DLH	Ku
Kinsevere phase 4	KPAC531	0	4	SOL	SOL
Kinsevere phase 4	KPAC531	4	19	SHA	Ku
Kinsevere phase 4	KPAC531	19	34	DLH	Ku
Kinsevere phase 4	KPAC531	34	36	DLH	Ku
Kinsevere phase 4	KPAC532	0	4	SOL	SOL
Kinsevere phase 4	KPAC532	4	25	SHA	Ku
Kinsevere phase 4	KPAC532	25	41	DLH	Ku
Kinsevere phase 4	KPAC533	0	4	SOL	SOL
Kinsevere phase 4	KPAC533	4	26	SHA	Ku
Kinsevere phase 4	KPAC533	26	50	DLH	Ku
Kinsevere phase 4	KPAC534	0	5	SOL	Ku
Kinsevere phase 4	KPAC534	5	31	SHA	Ku
Kinsevere phase 4	KPAC534	31	40	SHA	Ku

Kinsevere phase 4	KPAC535	0	4	SOL	SOL
Kinsevere phase 4	KPAC535	4	24	SHA	Ku
Kinsevere phase 4	KPAC535	24	50	SHA	Ku
Kinsevere phase 4	KPAC536	0	4	SOL	SOL
Kinsevere phase 4	KPAC536	4	37	SHA	Ku
Kinsevere phase 4	KPAC536	37	50	DLH	Ku
Kinsevere phase 4	KPAC537	0	7	SOL	SOL
Kinsevere phase 4	KPAC537	7	38	SHA	Ku
Kinsevere phase 4	KPAC537	38	50	DLH	Ku
Kinsevere phase 4	KPAC538	0	4	SOL	Ku
Kinsevere phase 4	KPAC538	4	28	SHA	Ku
Kinsevere phase 4	KPAC538	28	50	SHA	Ku
Kinsevere phase 4	KPAC539	0	8	SOL	SOL
Kinsevere phase 4	KPAC539	8	50	SHA	Ku
Kinsevere phase 4	KPAC540	0	4	SOL	SOL
Kinsevere phase 4	KPAC540	4	30	SHA	Ku
Kinsevere phase 4	KPAC540	30	50	SHA	Ku
Kinsevere phase 4	KPAC541	0	3	SOL	SOL
Kinsevere phase 4	KPAC541	3	39	SHA	Ku
Kinsevere phase 4	KPAC541	39	43	DLH	Ku
Kinsevere phase 4	KPAC542	0	7	SOL	SOL
Kinsevere phase 4	KPAC542	7	40	SHA	Ku
Kinsevere phase 4	KPAC542	40	50	DLH	Ku
Kinsevere phase 4	KPAC543	0	4	SOL	Ku
Kinsevere phase 4	KPAC543	4	50	SHA	Ku
Kinsevere phase 4	KPAC544	0	3	SOL	SOL
Kinsevere phase 4	KPAC544	3	50	SHA	Ku
Kinsevere phase 4	KPAC545	0	3	SOL	SOL
Kinsevere phase 4	KPAC545	3	36	SHA	Ku
Kinsevere phase 4	KPAC546	0	2	SOL	SOL
Kinsevere phase 4	KPAC546	2	50	SHA	Ku
Kinsevere phase 4	KPAC547	0	3	SOL	SOL
Kinsevere phase 4	KPAC547	3	50	SHA	Ku
Kinsevere phase 4	KPAC548	0	8	SOL	SOL
Kinsevere phase 4	KPAC548	8	50	SHA	Ku
Kinsevere phase 4	KPAC549	0	6	SOL	SOL
Kinsevere phase 4	KPAC549	6	50	SHA	Ku
Kinsevere phase 4	KPAC550	0	8	SOL	SOL
Kinsevere phase 4	KPAC550	8	46	SHA	Ku
Kinsevere phase 4	KPAC550	46	50	SHA	Ku
Kinsevere phase 4	KPAC551	0	4	SOL	SOL
Kinsevere phase 4	KPAC551	4	37	SHA	Ku
Kinsevere phase 4	KPAC551	37	44	SHA	Ku
Kinsevere phase 4	KPAC552	0	3	SOL	Ku
Kinsevere phase 4	KPAC552	3	47	SHA	Ku
Kinsevere phase 4	KPAC553	0	3	SOL	SOL
Kinsevere phase 4	KPAC553	3	31	SHA	Ku
Kinsevere phase 4	KPAC554	0	6	SOL	SOL
Kinsevere phase 4	KPAC554	6	50	SHA	Ku
Kinsevere phase 4	KPAC555	0	4	SOL	SOL
Kinsevere phase 4	KPAC555	4	43	SHA	Ku
Kinsevere phase 4	KPAC556	0	4	SOL	SOL
Kinsevere phase 4	KPAC556	4	34	SHA	Ku
Kinsevere phase 4	KPAC557	0	6	SOL	SOL
Kinsevere phase 4	KPAC557	6	50	SHA	Ku
Kinsevere phase 4	KPAC558	0	5	SOL	SOL
Kinsevere phase 4	KPAC558	5	50	SHA	Ku
Kinsevere phase 4	KPAC559	0	3	SOL	SOL
Kinsevere phase 4	KPAC559	3	60	SHA	Ku
Kinsevere phase 4	KPAC560	0	4	SOL	SOL
Kinsevere phase 4	KPAC560	4	60	SHA	Ku
Kinsevere phase 4	KPAC561	0	4	SOL	SOL
Kinsevere phase 4	KPAC561	4	57	SHA	Ku

Kinsevere phase 4	KPAC562	0	3	SOL	SOL
Kinsevere phase 4	KPAC562	3	48	SHA	Ku
Kinsevere phase 4	KPAC563	0	3	SOL	SOL
Kinsevere phase 4	KPAC563	3	55	SHA	Ku
Kinsevere phase 4	KPAC564	0	3	SOL	SOL
Kinsevere phase 4	KPAC564	3	60	SHA	Ku
Kinsevere phase 4	KPAC565	0	3	SOl	SOL
Kinsevere phase 4	KPAC565	3	45	SHA	Ku
Kinsevere phase 4	KPAC566	0	3	SOL	SOL
Kinsevere phase 4	KPAC566	3	55	SHA	Ku
Kinsevere phase 4	KPAC567	0	5	SOL	SOL
Kinsevere phase 4	KPAC567	5	53	SHA	Ku
Kinsevere phase 4	KPAC567	53	60	SLT	Ku
Kinsevere phase 4	KPAC568	0	4	SOL	SOL
Kinsevere phase 4	KPAC568	4	54	SHA	Ku
Kinsevere phase 4	KPAC568	54	60	SLT	Ku
Kinsevere phase 4	KPAC569	0	4	SOl	SOL
Kinsevere phase 4	KPAC569	4	20	SHA	Ku
Kinsevere phase 4	KPAC569	20	33	SHA	Ku
Kinsevere phase 4	KPAC569	33	53	SLT	Ku
Kinsevere phase 4	KPAC570	0	4	SOL	SOL
Kinsevere phase 4	KPAC570	4	48	SHA	Ku
Kinsevere phase 4	KPAC570	48	60	SLT	Ku
Kinsevere phase 4	KPAC571	0	4	SOL	SOL
Kinsevere phase 4	KPAC571	4	51	SHA	Ku
Kinsevere phase 4	KPAC571	51	60	SLT	Ku
Kinsevere phase 4	KPAC572	0	5	SOL	SOL
Kinsevere phase 4	KPAC572	5	43	SHA	Ku
Kinsevere phase 4	KPAC572	43	60	SLT	Ku
Kinsevere phase 4	KPAC573	0	5	SOL	SOL
Kinsevere phase 4	KPAC573	5	49	SLT	Ku
Kinsevere phase 4	KPAC574	0	5	SOL	SOL
Kinsevere phase 4	KPAC574	5	49	SLT	Ku
Kinsevere phase 4	KPAC575	0	5	SOL	SOL
Kinsevere phase 4	KPAC575	5	54	SLT	Ku
Kinsevere phase 4	KPAC576	0	4	SOL	SOL
Kinsevere phase 4	KPAC576	4	48	SHA	Ku
Kinsevere phase 4	KPAC576	48	54	SLT	Ku
Kinsevere phase 4	KPAC577	0	5	SOL	SOL
Kinsevere phase 4	KPAC577	5	54	SHA	Ku
Kinsevere phase 4	KPAC577	54	60	SLT	Ku
Kinsevere phase 4	KPAC578	0	4	SOL	SOL
Kinsevere phase 4	KPAC578	4	56	SHA	Ku
Kinsevere phase 4	KPAC578	56	60	SLT	Ku
Kinsevere phase 4	KPAC579	0	5	SOL	SOL
Kinsevere phase 4	KPAC579	5	54	SHA	Ku
Kinsevere phase 4	KPAC579	54	56	SLT	Ku
Kinsevere phase 4	KPAC580	0	4	SOL	SOL
Kinsevere phase 4	KPAC580	4	34	SHA	Ku
Kinsevere phase 4	KPAC580	34	54	SLT	Ku
Kinsevere phase 4	KPAC581	0	4	SOL	SOL
Kinsevere phase 4	KPAC581	4	41	SHA	Ku
Kinsevere phase 4	KPAC582	0	5	SOL	SOL
Kinsevere phase 4	KPAC582	5	49	SHA	Ku
Kinsevere phase 4	KPAC582	49	51	SLT	Ku
Kinsevere phase 4	KPAC583	0	9	SOL	SOL
Kinsevere phase 4	KPAC583	9	51	SHA	Ku
Kinsevere phase 4	KPAC584	0	10	SOL	SOL
Kinsevere phase 4	KPAC584	10	35	SHA	Ku
Kinsevere phase 4	KPAC584	35	51	SHA	Ku
Kinsevere phase 4	KPAC585	0	14	SOL	SOL
Kinsevere phase 4	KPAC585	14	36	SHA	Ku
Kinsevere phase 4	KPAC586	0	7	SOL	SOL

Kinsevere phase 4	KPAC586	7	39	SHA	Ku
Kinsevere phase 4	KPAC586	39	51	SLT	Ku
Kinsevere phase 4	KPAC587	0	8	SOL	SOL
Kinsevere phase 4	KPAC587	8	48	SHA	Ku
Kinsevere phase 4	KPAC587	48	54	SLT	Ku
Kinsevere phase 4	KPAC588	0	9	SOL	SOL
Kinsevere phase 4	KPAC588	9	40	SLT	Ku
Kinsevere phase 4	KPAC589	0	8	SOL	SOL
Kinsevere phase 4	KPAC589	8	50	SLT	Ku
Kinsevere phase 4	KPAC590	0	5	SOL	SOL
Kinsevere phase 4	KPAC590	5	26	SLT	Ku
Kinsevere phase 4	KPAC591	0	7	SOL	SOL
Kinsevere phase 4	KPAC591	7	15	SHA	Ku
Kinsevere phase 4	KPAC591	15	25	SLT	Ku
Kinsevere phase 4	KPAC592	0	5	SOL	SOL
Kinsevere phase 4	KPAC592	5	42	SHA	Ku
Kinsevere phase 4	KPAC592	42	53	SLT	Ku
Kinsevere phase 4	KPAC593	0	4	SOL	SOL
Kinsevere phase 4	KPAC593	4	33	SHA	Ku
Kinsevere phase 4	KPAC593	33	46	SLT	Ku
Kinsevere phase 4	KPAC594	0	6	SOL	SOL
Kinsevere phase 4	KPAC594	6	23	SHA	Ku
Kinsevere phase 4	KPAC594	23	44	SLT	Ku
Kinsevere phase 4	KPAC595	0	4	SOL	SOL
Kinsevere phase 4	KPAC595	4	40	SHA	Ku
Kinsevere phase 4	KPAC595	40	45	SLT	Ku
Kinsevere phase 4	KPAC596	0	4	SOL	SOL
Kinsevere phase 4	KPAC596	4	28	SHA	Ku
Kinsevere phase 4	KPAC596	28	60	SLT	Ku
Kinsevere phase 4	KPAC597	0	5	SOl	SOL
Kinsevere phase 4	KPAC597	5	36	SHA	Ku
Kinsevere phase 4	KPAC597	36	60	SLT	Ku
Kinsevere phase 4	KPAC598	0	5	SOL	SOL
Kinsevere phase 4	KPAC598	5	38	SHA	Ku
Kinsevere phase 4	KPAC598	38	51	SLT	Ku
Kinsevere phase 4	KPAC599	0	4	SOL	SOL
Kinsevere phase 4	KPAC599	4	40	SHA	Ku
Kinsevere phase 4	KPAC599	40	51	SLT	Ku
Kinsevere phase 4	KPAC600	0	4	SOL	SOL
Kinsevere phase 4	KPAC600	4	38	SHA	Ku
Kinsevere phase 4	KPAC600	38	51	SLT	Ku
Kinsevere phase 4	KPAC601	0	11	SOL	SOL
Kinsevere phase 4	KPAC601	11	48	SHA	Ku
Kinsevere phase 4	KPAC601	48	51	SLT	Ku
Kinsevere phase 4	KPAC602	0	10	SOL	SOL
Kinsevere phase 4	KPAC602	10	41	SHA	Ku
Kinsevere phase 4	KPAC602	41	50	SLT	Ku
Kinsevere phase 4	KPAC603	0	4	SOL	SOL
Kinsevere phase 4	KPAC603	4	25	SHA	Ku
Kinsevere phase 4	KPAC603	25	57	SLT	Ku
Kinsevere phase 4	KPAC604	0	7	SOL	SOL
Kinsevere phase 4	KPAC604	7	31	SHA	Ku
Kinsevere phase 4	KPAC604	31	51	SLT	Ku
Kinsevere phase 4	KPAC605	0	6	SOL	SOL
Kinsevere phase 4	KPAC605	6	16	SHA	Ku
Kinsevere phase 4	KPAC605	16	39	SLT	Ku
Kinsevere phase 4	KPAC606	0	5	SOL	SOL
Kinsevere phase 4	KPAC606	5	39	SHA	Ku
Kinsevere phase 4	KPAC606	39	48	SLT	Ku
Kinsevere phase 4	KPAC607	0	4	SOL	SOL
Kinsevere phase 4	KPAC607	4	41	SHA	Ku
Kinsevere phase 4	KPAC607	41	51	SLT	Ku
Kinsevere phase 4	KPAC608	0	5	SOL	SOL

Kinsevere phase 4	KPAC608	5	43	SHA		Ku
Kinsevere phase 4	KPAC609	0	6	SOL		SOL
Kinsevere phase 4	KPAC609	6	39	SHA		Ku
Kinsevere phase 4	KPAC609	39	51	SLT		Ku
Kinsevere phase 4	KPAC610	0	10	SOL		SOL
Kinsevere phase 4	KPAC610	10	14	SHA		Ku
Kinsevere phase 4	KPAC610	14	17	SLT		Ku
Kinsevere phase 4	KPAC610	17	51	SLT		Ku
Kinsevere phase 4	TCDG005	0	2.9000001	SHC		SD
Kinsevere phase 4	TCDG005	2.9000001	5	SHA	SLT	SD
Kinsevere phase 4	TCDG005	5	18	SHC		SD
Kinsevere phase 4	TCDG005	18	21	SHC		SD
Kinsevere phase 4	TCDG005	21	23	CARS		SD
Kinsevere phase 4	TCDG005	23	91	SHA	SLT	SD
Kinsevere phase 4	TCDG005	91	92.300003	NR		NR
Kinsevere phase 4	TCDG005	92.300003	99	ARG		GRAT
Kinsevere phase 4	TCDG005	99	110	ARG		GRAT
Kinsevere phase 4	TCDG005	110	150	ARG	SLT	GRAT
Kinsevere phase 4	TCDG005	150	154.60001	RATB		RATB
Kinsevere phase 4	TCDG005	154.60001	302	ARG	SLT	RAT
Kinsevere phase 4	TCDG005	302	367	RATB	ARG	RATB
Kinsevere phase 4	TCDG005	367	386.20001	ARG	SLT	RAT
Kinsevere phase 4	TCDH029	0	8.1999998	SHA	SHDL	SD
Kinsevere phase 4	TCDH029	8.1999998	30.950001	SHDL	SHA	SD
Kinsevere phase 4	TCDH029	30.950001	34	SHDL		SD
Kinsevere phase 4	TCDH029	34	43.200001	SHDL		SD
Kinsevere phase 4	TCDH029	43.200001	53.400002	ARG	MX	RATB
Kinsevere phase 4	TCDH029	53.400002	88	ARG		RAT
Kinsevere phase 4	TCDH029	88	103	MX		RATB
Kinsevere phase 4	TCDH029	103	201.5	ARG	DARG	RAT
Kinsevere phase 4	TCDH030	0	14.7	SHA	SLT	SD
Kinsevere phase 4	TCDH030	14.7	19.65	SHC		SD
Kinsevere phase 4	TCDH030	19.65	31	SHC		SD
Kinsevere phase 4	TCDH030	31	60.700001	DLB		CMN
Kinsevere phase 4	TCDH030	60.700001	61.799999	CARS	DLC	CMN
Kinsevere phase 4	TCDH030	61.799999	72.699997	SHC		CMN
Kinsevere phase 4	TCDH030	72.699997	78.599998	SHC		CMN
Kinsevere phase 4	TCDH030	78.599998	89	DLB		CMN
Kinsevere phase 4	TCDH030	89	96.199997	DLB		CMN
Kinsevere phase 4	TCDH030	96.199997	101.7	SHC	DLB	CMN
Kinsevere phase 4	TCDH030	101.7	112	DLB	SHC	CMN
Kinsevere phase 4	TCDH030	112	148	DLB	DLC	CMN
Kinsevere phase 4	TCDH030	148	159.3	DLB		CMN
Kinsevere phase 4	TCDH030	159.3	190.3	SHC		CMN
Kinsevere phase 4	TCDH030	190.3	214	DLB	SHC	CMN
Kinsevere phase 4	TCDH030	214	221.39999	DLM	SHC	CMN
Kinsevere phase 4	TCDH030	221.39999	223.39999	DLB		CMN
Kinsevere phase 4	TCDH030	223.39999	232.32001	DLH	DLM	CMN
Kinsevere phase 4	TCDH030	232.32001	233.03999	SHR		FZ
Kinsevere phase 4	TCDH030	233.03999	233.35001	SHA	SHDL	CMN
Kinsevere phase 4	TCDH030	233.35001	233.88	MX	SHR	FZ
Kinsevere phase 4	TCDH030	233.88	238	RATB		RATB
Kinsevere phase 4	TCDH030	238	239.2	SLT	SST	RAT
Kinsevere phase 4	TCDH030	239.2	317.20001	BARG	DARG	RAT
Kinsevere phase 4	TCDH031	0	70	RATB	BARG	RATB
Kinsevere phase 4	TCDH031	70	102	BARG	RATB	RAT
Kinsevere phase 4	TCDH031	102	108.6	ARG	BARG	RAT
Kinsevere phase 4	TCDH031	108.6	112	RATB	FZ	RATB
Kinsevere phase 4	TCDH031	112	112.8	HBX		FZ
Kinsevere phase 4	TCDH031	112.8	129.92999	SHA	SHDL	SD
Kinsevere phase 4	TCDH031	129.92999	142	SHDL	SHA	CMN
Kinsevere phase 4	TCDH031	142	148	NR		NR
Kinsevere phase 4	TCDH031	148	151	DBX	SLT	CMN

Kinsevere phase 4	TCDH031	151	156.85001	DBX	MX	CMN
Kinsevere phase 4	TCDH031	156.85001	170	DLH	SHDL	CMN
Kinsevere phase 4	TCDH031	170	172	DLL	SLT	CMN
Kinsevere phase 4	TCDH031	172	175	DLB	DLC	CMN
Kinsevere phase 4	TCDH031	175	181	NR		NR
Kinsevere phase 4	TCDH031	181	186	CARS		CMN
Kinsevere phase 4	TCDH031	186	187	NR		NR
Kinsevere phase 4	TCDH031	187	232.5	DLB		CMN
Kinsevere phase 4	TCDH031	232.5	233.39999	DLB		CMN
Kinsevere phase 4	TCDH031	233.39999	233.52	HBX	RATB	FZ
Kinsevere phase 4	TCDH031	233.52	235	ARG	SLT	RAT
Kinsevere phase 4	TCDH031	235	242.10001	BARG		RRAT
Kinsevere phase 4	TCDH031	242.10001	243.25	RATB		FZ
Kinsevere phase 4	TCDH031	243.25	280	ARG	SLT	RAT
Kinsevere phase 4	TCDH032	0	23	DLM		CMN
Kinsevere phase 4	TCDH032	23	54.700001	DLB		CMN
Kinsevere phase 4	TCDH032	54.700001	55.400002	MX		RATB
Kinsevere phase 4	TCDH032	55.400002	72.400002	DBX	HBX	CMN
Kinsevere phase 4	TCDH032	72.400002	88.300003	DBX	DLB	CMN
Kinsevere phase 4	TCDH032	88.300003	92.699997	DBX		CMN
Kinsevere phase 4	TCDH032	92.699997	93.699997	DLB		CMN
Kinsevere phase 4	TCDH032	93.699997	101	DLB		CMN
Kinsevere phase 4	TCDH032	101	106	DLB	SHC	CMN
Kinsevere phase 4	TCDH032	106	109	DLC	DLB	CMN
Kinsevere phase 4	TCDH032	109	161.5	DLM	SHDL	CMN
Kinsevere phase 4	TCDH032	161.5	166	DLM		CMN
Kinsevere phase 4	TCDH032	166	178.05	SHC		CMN
Kinsevere phase 4	TCDH032	178.05	207.5	DLB		CMN
Kinsevere phase 4	TCDH032	207.5	229	DLM		SD
Kinsevere phase 4	TCDH032	229	236.39999	SHC	DLC	SD
Kinsevere phase 4	TCDH032	236.39999	239.97	SHC		SD
Kinsevere phase 4	TCDH032	239.97	240.3	HBX		FZ
Kinsevere phase 4	TCDH032	240.3	249.8	MX		RATB
Kinsevere phase 4	TCDH032	249.8	252.95	ARG		RRAT
Kinsevere phase 4	TCDH032	252.95	264.29999	ARG		RRAT
Kinsevere phase 4	TCDH032	264.29999	305	MX		RATB
Kinsevere phase 4	TCDH032	305	380.5	ARG	DARG	RRAT
Kinsevere phase 4	TCDH033	0	30	ARG		RRAT
Kinsevere phase 4	TCDH033	30	50	ARG		GRAT
Kinsevere phase 4	TCDH033	50	54.400002	ARG		GRAT
Kinsevere phase 4	TCDH033	54.400002	59	DLB		DSTR
Kinsevere phase 4	TCDH033	59	60.799999	DLB	DLH	DSTR
Kinsevere phase 4	TCDH033	60.799999	63.299999	DLB	DLH	RSF
Kinsevere phase 4	TCDH033	63.299999	70.650002	SLT	SHA	SD
Kinsevere phase 4	TCDH033	70.650002	77	SHC		SD
Kinsevere phase 4	TCDH033	77	79	SHA	SLT	SD
Kinsevere phase 4	TCDH033	79	83.25	SHC		SD
Kinsevere phase 4	TCDH033	83.25	85.599998	SHDL		SD
Kinsevere phase 4	TCDH033	85.599998	88.150002	SHC	CARS	SD
Kinsevere phase 4	TCDH033	88.150002	93.5	SHA		SD
Kinsevere phase 4	TCDH033	93.5	102.15	SHC		SD
Kinsevere phase 4	TCDH033	102.15	106.6	SHA		SD
Kinsevere phase 4	TCDH033	106.6	107.9	SHC		SD
Kinsevere phase 4	TCDH033	107.9	112	SHC		SD
Kinsevere phase 4	TCDH033	112	115	SHC	MX	SD
Kinsevere phase 4	TCDH033	115	136.5	SHA	SHDL	SD
Kinsevere phase 4	TCDH033	136.5	140	SHA	SHDL	SD
Kinsevere phase 4	TCDH033	140	151	SHDL	SHC	SD
Kinsevere phase 4	TCDH033	151	163	NR		
Kinsevere phase 4	TCDH033	163	165	CARS		CMN
Kinsevere phase 4	TCDH033	165	206.23	DLB	SHC	CMN
Kinsevere phase 4	TCDH033	206.23	206.73	MX		CMN
Kinsevere phase 4	TCDH033	206.73	211.27	DLC	DLB	CMN

Kinsevere phase 4	TCDH033	211.27	214	HBX		CMN
Kinsevere phase 4	TCDH033	214	216.92	DLB	DLM	CMN
Kinsevere phase 4	TCDH033	216.92	220.60001	SHA		CMN
Kinsevere phase 4	TCDH033	220.60001	221.64999	DLB		CMN
Kinsevere phase 4	TCDH033	221.64999	221.8	HBX		CMN
Kinsevere phase 4	TCDH033	221.8	231.06	SHC		CMN
Kinsevere phase 4	TCDH033	231.06	232	HBX		FZ
Kinsevere phase 4	TCDH033	232	254	ARG		RAT
Kinsevere phase 4	TCDH033	254	256.78	HBX		FZ
Kinsevere phase 4	TCDH033	256.78	301.29999	DLB	SHA	CMN
Kinsevere phase 4	TCDH033	301.29999	303.25	HBX		FZ
Kinsevere phase 4	TCDH033	303.25	307	SHA		CMN
Kinsevere phase 4	TCDH033	307	346	DLB	SHA	CMN
Kinsevere phase 4	TCDH033	346	361.73999	DLB		CMN
Kinsevere phase 4	TCDH033	361.73999	375	SHA	SHDL	CMN
Kinsevere phase 4	TCDH033	375	376.20001	DLM	VC	CMN
Kinsevere phase 4	TCDH033	376.20001	383.60001	DLB		CMN
Kinsevere phase 4	TCDH033	383.60001	383.89999	G	SHA	CMN
Kinsevere phase 4	TCDH033	383.89999	397	DLB	DLM	CMN
Kinsevere phase 4	TCDH034	0	16	DLB	DLH	CMN
Kinsevere phase 4	TCDH034	16	46.599998	DLB	SHDL	CMN
Kinsevere phase 4	TCDH034	46.599998	67	DLB	SHDL	CMN
Kinsevere phase 4	TCDH034	67	77.800003	SHDL	SLT	CMN
Kinsevere phase 4	TCDH034	77.800003	78.5	SHC		CMN
Kinsevere phase 4	TCDH034	78.5	86.150002	DLB		CMN
Kinsevere phase 4	TCDH034	86.150002	89.25	SHC	CARS	CMN
Kinsevere phase 4	TCDH034	89.25	91.150002	DLH	SHA	CMN
Kinsevere phase 4	TCDH034	91.150002	95	CARS		CMN
Kinsevere phase 4	TCDH034	95	97.849998	DLL	DLH	CMN
Kinsevere phase 4	TCDH034	97.849998	100	CARS		CMN
Kinsevere phase 4	TCDH034	100	108	DLH	DLM	CMN
Kinsevere phase 4	TCDH034	108	113	DLC	SHC	CMN
Kinsevere phase 4	TCDH034	113	119	DLB	DLC	CMN
Kinsevere phase 4	TCDH034	119	134.60001	SHC	DLC	SD
Kinsevere phase 4	TCDH034	134.60001	157.5	DLB		SD
Kinsevere phase 4	TCDH034	157.5	183.42	SHC		SD
Kinsevere phase 4	TCDH034	183.42	206.5	DLC	SHC	SD
Kinsevere phase 4	TCDH034	206.5	210.13	DLB		SD
Kinsevere phase 4	TCDH034	210.13	213.5	SHC		SD
Kinsevere phase 4	TCDH034	213.5	216.42	SHC	CARS	SD
Kinsevere phase 4	TCDH034	216.42	216.74001	SHR		FZ
Kinsevere phase 4	TCDH034	216.74001	229	RARG	DARG	RATB
Kinsevere phase 4	TCDH034	229	294	BARG		RATB
Kinsevere phase 4	TCDH034	294	334	DARG	ARG	RAT
Kinsevere phase 4	TCDH035	0	21.959999	SHA	SHDL	SD
Kinsevere phase 4	TCDH035	21.959999	28.299999	SHC	DLC	SD
Kinsevere phase 4	TCDH035	28.299999	32.200001	CARS		SD
Kinsevere phase 4	TCDH035	32.200001	35.299999	SHA	SLT	SD
Kinsevere phase 4	TCDH035	35.299999	37	SHC	DLC	CMN
Kinsevere phase 4	TCDH035	37	44	DLB	DBX	CMN
Kinsevere phase 4	TCDH035	44	50	DLL		CMN
Kinsevere phase 4	TCDH035	50	63	DLB	DLL	CMN
Kinsevere phase 4	TCDH035	63	93	DLB	DLH	CMN
Kinsevere phase 4	TCDH035	93	95.5	DLB		CMN
Kinsevere phase 4	TCDH035	95.5	98	DLM	AZ	CMN
Kinsevere phase 4	TCDH035	98	100	DLB		CMN
Kinsevere phase 4	TCDH035	100	113	HBX		CMN
Kinsevere phase 4	TCDH035	113	115	NR		NR
Kinsevere phase 4	TCDH035	115	116	SHR		FZ
Kinsevere phase 4	TCDH035	116	134.10001	DLB	SHA	CMN
Kinsevere phase 4	TCDH035	134.10001	144.5	HBX	DBX	FZ
Kinsevere phase 4	TCDH035	144.5	146.5	RATB		RATB
Kinsevere phase 4	TCDH035	146.5	201	DLB		CMN

Kinsevere phase 4	TCDH035	201	209.38	SHA		CMN
Kinsevere phase 4	TCDH035	209.38	228.25	DLB	DLC	CMN
Kinsevere phase 4	TCDH035	228.25	232.25	SHA	SHDL	CMN
Kinsevere phase 4	TCDH035	232.25	234.17	HBX		CMN
Kinsevere phase 4	TCDH035	234.17	245.05	DBX		CMN
Kinsevere phase 4	TCDH035	245.05	247	RATB		CMN
Kinsevere phase 4	TCDH035	247	252.39999	DBX	DLM	CMN
Kinsevere phase 4	TCDH035	252.39999	257.76999	HBX	RATB	CMN
Kinsevere phase 4	TCDH035	257.76999	265.60001	DLM		CMN
Kinsevere phase 4	TCDH035	265.60001	276.5	RATB		RATB
Kinsevere phase 4	TCDH035	276.5	278.34	DBX		CMN
Kinsevere phase 4	TCDH035	278.34	340.06	DLB		CMN
Kinsevere phase 4	TCDH035	340.06	356	SHA	SHDL	CMN
Kinsevere phase 4	TCDH035	356	367	SST	SLT	CMN
Kinsevere phase 4	TCDH035	367	370	SHA	SLT	CMN
Kinsevere phase 4	TCDH035	370	447	SST	SLT	CMN
Kinsevere phase 4	TCDH035	447	450.5	DLB		CMN
Kinsevere phase 4	TCDH036	0	25	DLH	DLL	CMN
Kinsevere phase 4	TCDH036	25	40.099998	DLB		CMN
Kinsevere phase 4	TCDH036	40.099998	51.580002	SHDL	SLT	CMN
Kinsevere phase 4	TCDH036	51.580002	52	DLC		SD
Kinsevere phase 4	TCDH036	52	57	DLC		SD
Kinsevere phase 4	TCDH036	57	61.5	SHDL	DLL	SD
Kinsevere phase 4	TCDH036	61.5	70	SHC	DLC	SD
Kinsevere phase 4	TCDH036	70	73	SHC	CARS	SD
Kinsevere phase 4	TCDH036	73	81.099998	SLT	DLL	SD
Kinsevere phase 4	TCDH036	81.099998	90	SHC	DLC	SD
Kinsevere phase 4	TCDH036	90	101.62	CARS		SD
Kinsevere phase 4	TCDH036	101.62	121.6	SLT	SHA	SD
Kinsevere phase 4	TCDH036	121.6	125.5	SHC	DLC	SD
Kinsevere phase 4	TCDH036	125.5	142	SHC		SD
Kinsevere phase 4	TCDH036	142	147.39999	SHC		SD
Kinsevere phase 4	TCDH036	147.39999	168	SHC	DLC	SD
Kinsevere phase 4	TCDH036	168	184	SHC		SD
Kinsevere phase 4	TCDH036	184	195	DLC	SHC	SD
Kinsevere phase 4	TCDH036	195	207	SHC		SD
Kinsevere phase 4	TCDH036	207	209.89999	CARS		SD
Kinsevere phase 4	TCDH036	209.89999	219.2	CARS	SHC	SD
Kinsevere phase 4	TCDH036	219.2	221.5	CARS	SHC	SD
Kinsevere phase 4	TCDH036	221.5	224.5	SHA	SLT	SD
Kinsevere phase 4	TCDH036	224.5	227.41	CARS		SD
Kinsevere phase 4	TCDH036	227.41	231	SLT	SHA	SD
Kinsevere phase 4	TCDH036	231	233	DLL	DLB	RSF
Kinsevere phase 4	TCDH036	233	236.5	DLB		DSTR
Kinsevere phase 4	TCDH036	236.5	239.5	NR		NR
Kinsevere phase 4	TCDH036	239.5	362.5	RATB	ARG	RAT
Kinsevere phase 4	TCDH037	0	24.25	RATB		RATB
Kinsevere phase 4	TCDH037	24.25	39	ARG		GRAT
Kinsevere phase 4	TCDH037	39	43	ARG		GRAT
Kinsevere phase 4	TCDH037	43	64	ARG		GRAT
Kinsevere phase 4	TCDH037	64	73	ARG	SLT	GRAT
Kinsevere phase 4	TCDH037	73	82	ARG		RAT
Kinsevere phase 4	TCDH037	82	215.5	ARG		RAT
Kinsevere phase 4	TCDH038	0	29.059999	SHA	SHDL	SD
Kinsevere phase 4	TCDH038	29.059999	32.200001	SHC	CARS	SD
Kinsevere phase 4	TCDH038	32.200001	34.700001	CARS		SD
Kinsevere phase 4	TCDH038	34.700001	36.700001	CARS		SD
Kinsevere phase 4	TCDH038	36.700001	64.800003	CARS		SD
Kinsevere phase 4	TCDH038	64.800003	66.099998	DBX		SD
Kinsevere phase 4	TCDH038	66.099998	76	CARS		SD
Kinsevere phase 4	TCDH038	76	81.550003	DLB	SHDL	SD
Kinsevere phase 4	TCDH038	81.550003	82.800003	DLB	DLC	FZ
Kinsevere phase 4	TCDH038	82.800003	93.300003	DLB	DLC	CMN

Kinsevere phase 4	TCDH038	93.300003	101.5	DLB		CMN
Kinsevere phase 4	TCDH038	101.5	114	DLB		CMN
Kinsevere phase 4	TCDH038	114	156	DLB	SHC	CMN
Kinsevere phase 4	TCDH038	156	172.60001	DLB		CMN
Kinsevere phase 4	TCDH038	172.60001	176.5	SHC		CMN
Kinsevere phase 4	TCDH038	176.5	183.8	DLB		CMN
Kinsevere phase 4	TCDH038	183.8	186.3	DLC	DLB	CMN
Kinsevere phase 4	TCDH038	186.3	197.05	DLB	SHC	CMN
Kinsevere phase 4	TCDH038	197.05	198.2	SHC		CMN
Kinsevere phase 4	TCDH038	198.2	198.5	VC		UNK
Kinsevere phase 4	TCDH038	198.5	201	SHDL		SD
Kinsevere phase 4	TCDH038	201	201.25999	HBX		FZ
Kinsevere phase 4	TCDH038	201.25999	202.67999	RATB		FZ
Kinsevere phase 4	TCDH038	202.67999	203	MX	VC	FZ
Kinsevere phase 4	TCDH038	203	206.2	CARS		SD
Kinsevere phase 4	TCDH038	206.2	206.5	DLB	DLH	DSTR
Kinsevere phase 4	TCDH038	206.5	207.2	ARG		GRAT
Kinsevere phase 4	TCDH038	207.2	208.5	ARG		GRAT
Kinsevere phase 4	TCDH038	208.5	210	ARG		GRAT
Kinsevere phase 4	TCDH038	210	216	ARG		GRAT
Kinsevere phase 4	TCDH038	216	233.5	ARG	SLT	RRAT
Kinsevere phase 4	TCDH038	233.5	287.5	RATB		RATB
Kinsevere phase 4	TCDH039	0	4	SOL		SOL
Kinsevere phase 4	TCDH039	4	11	SLT	DLM	RRAT
Kinsevere phase 4	TCDH039	11	25.5	SLT	DLM	RATB
Kinsevere phase 4	TCDH039	25.5	74.599998	SLT	DLM	GRAT
Kinsevere phase 4	TCDH039	74.599998	121.5	SLT	SLT	GRAT
Kinsevere phase 4	TCDH039	121.5	253.5	SLT	CBS	CMN
Kinsevere phase 4	TCDH039	253.5	262.5	ARA	DLM	GRAT
Kinsevere phase 4	TCDH039	262.5	268.5	SST		RATB
Kinsevere phase 4	TCDH039	268.5	304	SLT	DLM	RATB
Kinsevere phase 4	TCDH040	0	37.299999	SHC		SD
Kinsevere phase 4	TCDH040	37.299999	39	SHC		SD
Kinsevere phase 4	TCDH040	39	65.699997	SHA		SD
Kinsevere phase 4	TCDH040	65.699997	78.5	SHA		SD
Kinsevere phase 4	TCDH040	78.5	90	SHC		SD
Kinsevere phase 4	TCDH040	90	107.3	SHA	SLT	CMN
Kinsevere phase 4	TCDH040	107.3	118	DLB	SHA	CMN
Kinsevere phase 4	TCDH040	118	130	SHDL		CMN
Kinsevere phase 4	TCDH040	130	138	DLB	SHDL	CMN
Kinsevere phase 4	TCDH040	138	144	DLC	SHC	CMN
Kinsevere phase 4	TCDH040	144	157	DLC	CARS	CMN
Kinsevere phase 4	TCDH040	157	162	DLB		CMN
Kinsevere phase 4	TCDH040	162	201	DLB	DLC	CMN
Kinsevere phase 4	TCDH040	201	210.60001	DBX		FZ
Kinsevere phase 4	TCDH040	210.60001	231	DLB		CMN
Kinsevere phase 4	TCDH040	231	235	DLM	DLC	CMN
Kinsevere phase 4	TCDH040	235	236.7	HBX		FZ
Kinsevere phase 4	TCDH040	236.7	237.89999	BARG		RATB
Kinsevere phase 4	TCDH040	237.89999	247.19	DBX		CMN
Kinsevere phase 4	TCDH040	247.19	251.5	DLB		CMN
Kinsevere phase 4	TCDH040	251.5	256.54999	DLB		CMN
Kinsevere phase 4	TCDH040	256.54999	262	HBX		FZ
Kinsevere phase 4	TCDH041	0	69.68	SHC	CARS	SD
Kinsevere phase 4	TCDH041	69.68	71	SHC	SHA	SD
Kinsevere phase 4	TCDH041	71	74.300003	SHA		SD
Kinsevere phase 4	TCDH041	74.300003	77	SHC		SD
Kinsevere phase 4	TCDH041	77	88	SHA	SHDL	SD
Kinsevere phase 4	TCDH041	88	89	MX		FZ
Kinsevere phase 4	TCDH041	89	122	SHC		CMN
Kinsevere phase 4	TCDH041	122	127	DLB		CMN
Kinsevere phase 4	TCDH041	127	134	DLB		CMN
Kinsevere phase 4	TCDH041	134	140.7	SHC		CMN

Kinsevere phase 4	TCDH041	140.7	196.2	DLM		CMN
Kinsevere phase 4	TCDH041	196.2	198.03	SHC		CMN
Kinsevere phase 4	TCDH041	198.03	212	DLM		CMN
Kinsevere phase 4	TCDH041	212	215	SHC	DLC	CMN
Kinsevere phase 4	TCDH041	215	230.14	DLM		CMN
Kinsevere phase 4	TCDH041	230.14	231.8	DLM		CMN
Kinsevere phase 4	TCDH041	231.8	255	DLM	SHC	CMN
Kinsevere phase 4	TCDH041	255	256.20001	DBX	HBX	FZ
Kinsevere phase 4	TCDH041	256.20001	295.70001	SHDL	DLH	CMN
Kinsevere phase 4	TCDH041	295.70001	306.54999	DARG		RATB
Kinsevere phase 4	TCDH041	306.54999	309.29999	DLM	DARG	UNK
Kinsevere phase 4	TCDH041	309.29999	315.75	DBX		FZ
Kinsevere phase 4	TCDH041	315.75	327	DLM		CMN
Kinsevere phase 4	TCDH041	327	490	DLH	DLM	CMN
Kinsevere phase 4	TCDH041	490	534.5	DLB		CMN
Kinsevere phase 4	TCDH041	534.5	540.09998	DLM	DLH	CMN
Kinsevere phase 4	TCDH041	540.09998	548.29999	DLB		CMN
Kinsevere phase 4	TCDH041	548.29999	568.09998	DLM	DLH	CMN
Kinsevere phase 4	TCDH041	568.09998	572.78003	DLB	DLM	CMN
Kinsevere phase 4	TCDH041	572.78003	596.46002	MX		RATB
Kinsevere phase 4	TCDH041	596.46002	605	ARG	DARG	RRAT
Kinsevere phase 4	TCDH042	0	90	ARG		RRAT
Kinsevere phase 4	TCDH042	90	93	ARG		GRAT
Kinsevere phase 4	TCDH042	93	94.300003	ARG	BARG	GRAT
Kinsevere phase 4	TCDH042	94.300003	103	ARG		GRAT
Kinsevere phase 4	TCDH042	103	108.7	ARG		GRAT
Kinsevere phase 4	TCDH042	108.7	117	DLB	DLL	DSTR
Kinsevere phase 4	TCDH042	117	123	DLH	DLB	RSF
Kinsevere phase 4	TCDH042	123	128.25	SLT	SHA	SD
Kinsevere phase 4	TCDH042	128.25	133.7	CARS		SD
Kinsevere phase 4	TCDH042	133.7	134.5	SLT		SD
Kinsevere phase 4	TCDH042	134.5	137.60001	CARS		SD
Kinsevere phase 4	TCDH042	137.60001	163.3	SLT		SD
Kinsevere phase 4	TCDH042	163.3	168.7	SHDL		SD
Kinsevere phase 4	TCDH042	168.7	173	CARS	DLC	SD
Kinsevere phase 4	TCDH042	173	194.5	CARS	DLC	SD
Kinsevere phase 4	TCDH042	194.5	195.2	DBX	HBX	FZ
Kinsevere phase 4	TCDH042	195.2	374	RATB		RATB
Kinsevere phase 4	TCDH043	0	43.5	SLT	CBL	CMN
Kinsevere phase 4	TCDH043	43.5	54	SLT	CBL	CMN
Kinsevere phase 4	TCDH043	54	77	SLT	CBL	CMN
Kinsevere phase 4	TCDH043	77	95.5	SLT	CBL	CMN
Kinsevere phase 4	TCDH043	95.5	185.5	SLT	CBL	CMN
Kinsevere phase 4	TCDH044	0	21	SHDL		SD
Kinsevere phase 4	TCDH044	21	52.5	SHA	SHDL	SD
Kinsevere phase 4	TCDH044	52.5	59.5	SHC	DLC	SD
Kinsevere phase 4	TCDH044	59.5	83.199997	SHA	SHDL	SD
Kinsevere phase 4	TCDH044	83.199997	84	SHC		SD
Kinsevere phase 4	TCDH044	84	90.599998	SHA	SHDL	SD
Kinsevere phase 4	TCDH044	90.599998	91.099998	MX		FZ
Kinsevere phase 4	TCDH044	91.099998	157	DLB		CMN
Kinsevere phase 4	TCDH044	157	172.08	DLB		CMN
Kinsevere phase 4	TCDH044	172.08	173.8	SHC		CMN
Kinsevere phase 4	TCDH044	173.8	212.10001	DLB		CMN
Kinsevere phase 4	TCDH044	212.10001	253.89999	SHC	DLC	CMN
Kinsevere phase 4	TCDH044	253.89999	254.45	DLM		CMN
Kinsevere phase 4	TCDH044	254.45	257.5	SHC		CMN
Kinsevere phase 4	TCDH044	257.5	261.70001	DLH		CMN
Kinsevere phase 4	TCDH044	261.70001	264.07999	SHC		CMN
Kinsevere phase 4	TCDH044	264.07999	266.75	DLM		CMN
Kinsevere phase 4	TCDH044	266.75	283.70001	SHC		CMN
Kinsevere phase 4	TCDH044	283.70001	285.29999	HBX		FZ
Kinsevere phase 4	TCDH044	285.29999	295.5	ARG		RAT

Kinsevere phase 4	TCDH044	295.5	309.70001	BARG	DARG	RATB
Kinsevere phase 4	TCDH045	0	7.5999999	DLH		SD
Kinsevere phase 4	TCDH045	7.5999999	33	DLH		SD
Kinsevere phase 4	TCDH045	33	37.700001	DLH		SD
Kinsevere phase 4	TCDH045	37.700001	49	DLH		HBX
Kinsevere phase 4	TCDH045	49	57.700001	DLH		SD
Kinsevere phase 4	TCDH045	57.700001	70.849998	DLH		SD
Kinsevere phase 4	TCDH045	70.849998	77	DLH		SD
Kinsevere phase 4	TCDH045	77	78	DLH		SD
Kinsevere phase 4	TCDH045	78	91	DLH	SST	CMN
Kinsevere phase 4	TCDH045	91	120.5	DLH	SST	CMN
Kinsevere phase 4	TCDH045	120.5	162.8	DLH	SST	CMN
Kinsevere phase 4	TCDH045	162.8	165.5	DLM		CMN
Kinsevere phase 4	TCDH045	165.5	198.5	DLH		CMN
Kinsevere phase 4	TCDH045	198.5	205.5	DLL		RATB
Kinsevere phase 4	TCDH045	205.5	215	DLL		GRAT
Kinsevere phase 4	TCDH046	0	45.5	DLB		CMN
Kinsevere phase 4	TCDH046	45.5	51.099998	HBX		FZ
Kinsevere phase 4	TCDH046	51.099998	56.5	BARG		RATB
Kinsevere phase 4	TCDH046	56.5	57.299999	DBX		CMN
Kinsevere phase 4	TCDH046	57.299999	57.900002	BARG	HBX	RATB
Kinsevere phase 4	TCDH046	57.900002	70.75	DBX	HBX	FZ
Kinsevere phase 4	TCDH046	70.75	79.099998	BARG		RATB
Kinsevere phase 4	TCDH046	79.099998	82.699997	DBX	DLB	CMN
Kinsevere phase 4	TCDH046	82.699997	99	DLB	DLH	CMN
Kinsevere phase 4	TCDH046	99	107.05	SHA	SHDL	CMN
Kinsevere phase 4	TCDH046	107.05	107.5	G	SHA	CMN
Kinsevere phase 4	TCDH046	107.5	139	DLB		CMN
Kinsevere phase 4	TCDH046	139	202.25	DLB		CMN
Kinsevere phase 4	TCDH046	202.25	219.5	DLB	SHA	CMN
Kinsevere phase 4	TCDH046	219.5	225.89999	DLB		CMN
Kinsevere phase 4	TCDH046	225.89999	232.3	SHA	DLB	CMN
Kinsevere phase 4	TCDH046	232.3	244.39999	SHDL		CMN
Kinsevere phase 4	TCDH046	244.39999	253.89999	DBX		CMN
Kinsevere phase 4	TCDH046	253.89999	295.5	SHDL		CMN
Kinsevere phase 4	TCDH047	0	9	DLM	DLL	CMN
Kinsevere phase 4	TCDH047	9	12.2	DBX	CF	CMN
Kinsevere phase 4	TCDH047	12.2	17.200001	CF		UNK
Kinsevere phase 4	TCDH047	17.200001	22	SHDL		SD
Kinsevere phase 4	TCDH047	22	42.700001	DLM	DLB	SD
Kinsevere phase 4	TCDH047	42.700001	52.700001	SHA	SHDL	SD
Kinsevere phase 4	TCDH047	52.700001	56	SHC		SD
Kinsevere phase 4	TCDH047	56	67	SHA		SD
Kinsevere phase 4	TCDH047	67	74	SHC		UNK
Kinsevere phase 4	TCDH047	74	104.7	DLB		CMN
Kinsevere phase 4	TCDH047	104.7	114.55	NR		NR
Kinsevere phase 4	TCDH047	114.55	117.17	DLB		CMN
Kinsevere phase 4	TCDH047	117.17	118.36	SLT	DLH	CMN
Kinsevere phase 4	TCDH047	118.36	120	HBX		CMN
Kinsevere phase 4	TCDH047	120	140.7	RATB		RATB
Kinsevere phase 4	TCDH047	140.7	145.16	HBX		FZ
Kinsevere phase 4	TCDH047	145.16	154.3	RATB		RATB
Kinsevere phase 4	TCDH047	154.3	160.2	HBX	DLC	FZ
Kinsevere phase 4	TCDH047	160.2	161.94	DLB		CMN
Kinsevere phase 4	TCDH047	161.94	165.74001	SHA	SHDL	CMN
Kinsevere phase 4	TCDH047	165.74001	169.2	DLB	DLH	CMN
Kinsevere phase 4	TCDH047	169.2	177.3	SHA	SHDL	CMN
Kinsevere phase 4	TCDH047	177.3	187.25	DLB	DLH	CMN
Kinsevere phase 4	TCDH047	187.25	190.10001	SHA		CMN
Kinsevere phase 4	TCDH047	190.10001	191	G	SST	CMN
Kinsevere phase 4	TCDH047	191	232.3	DLB	SHA	CMN
Kinsevere phase 4	TCDH047	232.3	233.86	HBX		FZ
Kinsevere phase 4	TCDH047	233.86	234.75	DLB		CMN

Kinsevere phase 4	TCDH047	234.75	236.7	SHA		CMN
Kinsevere phase 4	TCDH047	236.7	244.3	DLB	DLH	CMN
Kinsevere phase 4	TCDH047	244.3	245.7	DBX	SHA	CMN
Kinsevere phase 4	TCDH048	0	13	SLT	DLH	CMN
Kinsevere phase 4	TCDH048	13	28.200001	DLB		CMN
Kinsevere phase 4	TCDH048	28.200001	33.200001	SHDL	DLH	CMN
Kinsevere phase 4	TCDH048	33.200001	53	DLB		CMN
Kinsevere phase 4	TCDH048	53	64.199997	DLB		CMN
Kinsevere phase 4	TCDH048	64.199997	67.25	DBX		CMN
Kinsevere phase 4	TCDH048	67.25	74.599998	UNK		UNK
Kinsevere phase 4	TCDH048	74.599998	78.099998	NR		NR
Kinsevere phase 4	TCDH048	78.099998	82.599998	HBX	DBX	FZ
Kinsevere phase 4	TCDH048	82.599998	84.5	ARG		UNK
Kinsevere phase 4	TCDH048	84.5	90.550003	HBX	DBX	FZ
Kinsevere phase 4	TCDH048	90.550003	93	DBX		FZ
Kinsevere phase 4	TCDH048	93	94	NR		NR
Kinsevere phase 4	TCDH048	94	95.300003	HBX		FZ
Kinsevere phase 4	TCDH048	95.300003	101.6	RATB		RATB
Kinsevere phase 4	TCDH048	101.6	104.17	DBX		FZ
Kinsevere phase 4	TCDH048	104.17	128.89999	BARG	RATB	RATB
Kinsevere phase 4	TCDH048	128.89999	135.17999	DBX		CMN
Kinsevere phase 4	TCDH048	135.17999	139.32001	RATB		RATB
Kinsevere phase 4	TCDH048	139.32001	148.2	HBX		FZ
Kinsevere phase 4	TCDH048	148.2	163	HBX		FZ
Kinsevere phase 4	TCDH048	163	167	DLM		CMN
Kinsevere phase 4	TCDH048	167	171.5	HBX		FZ
Kinsevere phase 4	TCDH048	171.5	199.89999	RATB		RATB
Kinsevere phase 4	TCDH048	199.89999	201.7	DLC	SHC	CMN
Kinsevere phase 4	TCDH048	201.7	210.14999	DLM	DLB	CMN
Kinsevere phase 4	TCDH048	210.14999	214.55	DBX		FZ
Kinsevere phase 4	TCDH048	214.55	216.89999	HBX		FZ
Kinsevere phase 4	TCDH048	216.89999	223.88	DLB		CMN
Kinsevere phase 4	TCDH048	223.88	228.60001	DBX		CMN
Kinsevere phase 4	TCDH048	228.60001	235.10001	DLB	DLM	CMN
Kinsevere phase 4	TCDH048	235.10001	235.74001	BARG		RATB
Kinsevere phase 4	TCDH048	235.74001	236.77	DLM	DBX	CMN
Kinsevere phase 4	TCDH048	236.77	237.07001	HBX		FZ
Kinsevere phase 4	TCDH048	237.07001	239.89999	ARG	BARG	RAT
Kinsevere phase 4	TCDH048	239.89999	244.35001	DBX		CMN
Kinsevere phase 4	TCDH048	244.35001	253.39999	DLB	DLC	CMN
Kinsevere phase 4	TCDH048	253.39999	255.14999	HBX		FZ
Kinsevere phase 4	TCDH048	255.14999	278.76001	HBX		FZ
Kinsevere phase 4	TCDH048	278.76001	284.10001	SHA		CMN
Kinsevere phase 4	TCDH048	284.10001	299.20001	CARS	DLC	CMN
Kinsevere phase 4	TCDH048	299.20001	303.5	DBX		CMN
Kinsevere phase 4	TCDH049	0	39.099998	SHA		SD
Kinsevere phase 4	TCDH049	39.099998	43.599998	NR		NR
Kinsevere phase 4	TCDH049	43.599998	49.599998	DLB		CMN
Kinsevere phase 4	TCDH049	49.599998	67.5	DLB	SHC	CMN
Kinsevere phase 4	TCDH049	67.5	87.370003	DLB	SHC	CMN
Kinsevere phase 4	TCDH049	87.370003	100.75	SHA		CMN
Kinsevere phase 4	TCDH049	100.75	108.04	SHC		CMN
Kinsevere phase 4	TCDH049	108.04	137.45	DLM	SHC	CMN
Kinsevere phase 4	TCDH049	137.45	154.23	SHC		CMN
Kinsevere phase 4	TCDH049	154.23	178	DLB	DLC	CMN
Kinsevere phase 4	TCDH049	178	179.60001	DBX		CMN
Kinsevere phase 4	TCDH049	179.60001	183.5	BARG		RATB
Kinsevere phase 4	TCDH049	183.5	192.60001	SHC	DLC	CMN
Kinsevere phase 4	TCDH049	192.60001	262.5	BARG	DARG	RATB
Kinsevere phase 4	TCDH049	262.5	285	DARG		FZ
Kinsevere phase 4	TCDH049	285	304.45001	BARG		RATB
Kinsevere phase 4	TCDH049	304.45001	306	HBX		FZ
Kinsevere phase 4	TCDH049	306	322.60001	SLT	ARG	KU

Kinsevere phase 4	TCDH050	0	8	DBX	SHA	HBX
Kinsevere phase 4	TCDH050	8	14.1	NR		NR
Kinsevere phase 4	TCDH050	14.1	16.200001	DBX	SHA	HBX
Kinsevere phase 4	TCDH050	16.200001	29.299999	DLL	SHA	SD
Kinsevere phase 4	TCDH050	29.299999	36.599998	DLL	SHA	SD
Kinsevere phase 4	TCDH050	36.599998	38.200001	DBX		RATB
Kinsevere phase 4	TCDH050	38.200001	57.5	DBX		SD
Kinsevere phase 4	TCDH050	57.5	72.599998	DLL	SLT	CMN
Kinsevere phase 4	TCDH050	72.599998	78.599998	DLL	SLT	CMN
Kinsevere phase 4	TCDH050	78.599998	84.599998	NR		NR
Kinsevere phase 4	TCDH050	84.599998	95.099998	DLL	SLT	CMN
Kinsevere phase 4	TCDH050	95.099998	96.599998	NR		NR
Kinsevere phase 4	TCDH050	96.599998	99.099998	DBX	SLT	HBX
Kinsevere phase 4	TCDH050	99.099998	101	DLL	SLT	CMN
Kinsevere phase 4	TCDH050	101	102.6	NR		NR
Kinsevere phase 4	TCDH050	102.6	104.1	DBX		CMN
Kinsevere phase 4	TCDH050	104.1	105.6	NR		NR
Kinsevere phase 4	TCDH050	105.6	113.1	CBH	SLT	CMN
Kinsevere phase 4	TCDH050	113.1	114.6	NR		NR
Kinsevere phase 4	TCDH050	114.6	120.6	DLH		CMN
Kinsevere phase 4	TCDH050	120.6	122.1	NR		NR
Kinsevere phase 4	TCDH050	122.1	126.1	DLM	CBM	CMN
Kinsevere phase 4	TCDH050	126.1	130.10001	DLM	SLT	CMN
Kinsevere phase 4	TCDH050	130.10001	137.3	DLL	SLT	CMN
Kinsevere phase 4	TCDH050	137.3	253.2	DLM	SLT	CMN
Kinsevere phase 4	TCDH050	253.2	258.39999	DLL	SLT	RATB
Kinsevere phase 4	TCDH050	258.39999	259.20001	DLL	SLT	CMN
Kinsevere phase 4	TCDH050	259.20001	262.89999	DLM	SLT	CMN
Kinsevere phase 4	TCDH050	262.89999	288	DLM	SLT	RATB
Kinsevere phase 4	TCDH050	288	291.04999	DLL	SLT	CMN
Kinsevere phase 4	TCDH050	291.04999	335.10001	DLM	CBH	CMN
Kinsevere phase 4	TCDH050	335.10001	353.10001	DLM	SLT	CMN
Kinsevere phase 4	TCDH050	353.10001	364.89999	DLM	SLT	CMN
Kinsevere phase 4	TCDH050	364.89999	390.10001	DLM	SLT	CMN
Kinsevere phase 4	TCDH051	0	15.5	DLB	DLL	CMN
Kinsevere phase 4	TCDH051	15.5	23.58	HBX	RATB	FZ
Kinsevere phase 4	TCDH051	23.58	30.200001	SHDL		CMN
Kinsevere phase 4	TCDH051	30.200001	33	BARG		RATB
Kinsevere phase 4	TCDH051	33	52.5	DBX		CMN
Kinsevere phase 4	TCDH051	52.5	88	MEL		FZ
Kinsevere phase 4	TCDH051	88	105	DBX		CMN
Kinsevere phase 4	TCDH051	105	112.45	DLB	DLC	CMN
Kinsevere phase 4	TCDH051	112.45	123.3	SHA		CMN
Kinsevere phase 4	TCDH051	123.3	212.2	DLB	SHA	CMN
Kinsevere phase 4	TCDH051	212.2	213.7	SHA		CMN
Kinsevere phase 4	TCDH051	213.7	245	DLB	SHA	CMN
Kinsevere phase 4	TCDH051	245	254.94	DLM		CMN
Kinsevere phase 4	TCDH051	254.94	256	SHA		CMN
Kinsevere phase 4	TCDH051	256	257.39999	DLM		CMN
Kinsevere phase 4	TCDH051	264	265	DLB		CMN
Kinsevere phase 4	TCDH051	265	295	DLB		CMN
Kinsevere phase 4	TCDH051	295	298.89999	DLB		CMN
Kinsevere phase 4	TCDH051	298.89999	306.60001	SHA		CMN
Kinsevere phase 4	TCDH051	306.60001	318	DLB		CMN
Kinsevere phase 4	TCDH052	0	16	ARG		GRAT
Kinsevere phase 4	TCDH052	16	52.5	ARG		GRAT
Kinsevere phase 4	TCDH052	52.5	63.200001	ARG		RAT
Kinsevere phase 4	TCDH052	63.200001	120	BARG		RAT
Kinsevere phase 4	TCDH052	120	147.53999	GARG		UNK
Kinsevere phase 4	TCDH052	147.53999	189	BARG	HBX	RATB
Kinsevere phase 4	TCDH052	189	193	HBX		FZ
Kinsevere phase 4	TCDH052	193	201.10001	GARG		KU
Kinsevere phase 4	TCDH053	0	6.3000002	SLT		SD

Kinsevere phase 4	TCDH053	6.3000002	20.700001	SHC	CARS	SD
Kinsevere phase 4	TCDH053	20.700001	26	SHDL		SD
Kinsevere phase 4	TCDH053	26	43	SHC		SD
Kinsevere phase 4	TCDH053	43	45	SHC		SD
Kinsevere phase 4	TCDH053	45	46	SHC	CARS	SD
Kinsevere phase 4	TCDH053	46	64.099998	SHA	SLT	SD
Kinsevere phase 4	TCDH053	64.099998	75	CARS		SD
Kinsevere phase 4	TCDH053	75	79	CARS	DLC	RSF
Kinsevere phase 4	TCDH053	79	82.099998	DLB		DSTR
Kinsevere phase 4	TCDH053	82.099998	84.300003	ARG		GRAT
Kinsevere phase 4	TCDH053	84.300003	107	ARG	SLT	GRAT
Kinsevere phase 4	TCDH053	107	115.7	SLT	ARG	GRAT
Kinsevere phase 4	TCDH053	115.7	170	ARG	BARG	RRAT
Kinsevere phase 4	TCDH053	170	187	ARG		RRAT
Kinsevere phase 4	TCDH053	187	236.39999	GARG	BARG	RAT
Kinsevere phase 4	TCDH053	236.39999	237.12	DBX		CMN
Kinsevere phase 4	TCDH053	237.12	308	DLB		CMN
Kinsevere phase 4	TCDH053	308	311	SHA		CMN
Kinsevere phase 4	TCDH053	311	322.10001	DLB		CMN
Kinsevere phase 4	TCDH054	0	23.049999	SHA	SHDL	SD
Kinsevere phase 4	TCDH054	23.049999	87	SHC		SD
Kinsevere phase 4	TCDH054	87	90.5	SHC		SD
Kinsevere phase 4	TCDH054	90.5	94.5	RATB		RATB
Kinsevere phase 4	TCDH054	94.5	104.1	SHC		SD
Kinsevere phase 4	TCDH054	104.1	112.5	DLH		SD
Kinsevere phase 4	TCDH054	112.5	113.2	SHC		SD
Kinsevere phase 4	TCDH054	113.2	120	DLM	DLH	SD
Kinsevere phase 4	TCDH054	120	124.5	DBX		FZ
Kinsevere phase 4	TCDH054	124.5	128.60001	DLC	DLB	CMN
Kinsevere phase 4	TCDH054	128.60001	136.5	DLB	DLC	CMN
Kinsevere phase 4	TCDH054	136.5	142.7	DBX	DLB	CMN
Kinsevere phase 4	TCDH054	142.7	155.5	DLM	DLB	CMN
Kinsevere phase 4	TCDH054	155.5	157.10001	DLB	DLC	CMN
Kinsevere phase 4	TCDH054	157.10001	170.22	DBX		CMN
Kinsevere phase 4	TCDH054	170.22	173.39999	SHA		CMN
Kinsevere phase 4	TCDH054	173.39999	175	DBX	DLB	CMN
Kinsevere phase 4	TCDH054	175	180.5	HBX		FZ
Kinsevere phase 4	TCDH054	180.5	186.10001	SHDL		CMN
Kinsevere phase 4	TCDH054	186.10001	187.32001	VC		UNK
Kinsevere phase 4	TCDH054	187.32001	191.5	DLH		CMN
Kinsevere phase 4	TCDH054	191.5	197.66	DLC		CMN
Kinsevere phase 4	TCDH054	197.66	200.5	SHC		CMN
Kinsevere phase 4	TCDH054	200.5	201	DBX		FZ
Kinsevere phase 4	TCDH054	201	223.46001	DLB	SHDL	CMN
Kinsevere phase 4	TCDH054	223.46001	229.58	SHA	DLB	CMN
Kinsevere phase 4	TCDH054	229.58	244.85001	DLH	SHA	CMN
Kinsevere phase 4	TCDH054	244.85001	245.94	VC		CMN
Kinsevere phase 4	TCDH054	245.94	248.7	HBX		CMN
Kinsevere phase 4	TCDH054	248.7	277.17001	DLB	SHA	CMN
Kinsevere phase 4	TCDH054	277.17001	287.56	SHA	SHDL	CMN
Kinsevere phase 4	TCDH054	287.56	410.5	SHA	DLT	CMN
Kinsevere phase 4	TCDH054	410.5	416.79999	SHA		CMN
Kinsevere phase 4	TCDH054	416.79999	455	DLB	SHA	CMN
Kinsevere phase 4	TCDH055	0	27.5	SHA	SHDL	SD
Kinsevere phase 4	TCDH055	27.5	52.5	SHA	SHDL	SD
Kinsevere phase 4	TCDH055	52.5	56.5	NR		NR
Kinsevere phase 4	TCDH055	56.5	87.199997	SHA	SLT	SD
Kinsevere phase 4	TCDH055	87.199997	89.900002	SHC		SD
Kinsevere phase 4	TCDH055	89.900002	93.5	SHA		SD
Kinsevere phase 4	TCDH055	93.5	97.25	SHC	CARS	SD
Kinsevere phase 4	TCDH055	97.25	108.7	SLT		SD
Kinsevere phase 4	TCDH055	108.7	111.22	CARS		SD
Kinsevere phase 4	TCDH055	111.22	111.47	HBX		FZ

Kinsevere phase 4	TCDH055	111.47	112.2	RATB		RATB
Kinsevere phase 4	TCDH055	112.2	128.5	ARG		RAT
Kinsevere phase 4	TCDH055	128.5	242	RATB	ARG	RAT
Kinsevere phase 4	TCDH056	0	11.6	DLM	SLT	GRAT
Kinsevere phase 4	TCDH056	11.6	20.6	DLM	SLT	RRAT
Kinsevere phase 4	TCDH056	20.6	26.700001	DLM	SLT	RATB
Kinsevere phase 4	TCDH056	26.700001	30	DLM	SLT	RRAT
Kinsevere phase 4	TCDH056	30	48	DLM	SLT	RRAT
Kinsevere phase 4	TCDH056	48	67.900002	DLM	SLT	RRAT
Kinsevere phase 4	TCDH056	67.900002	72	DLM	SLT	RATB
Kinsevere phase 4	TCDH056	72	79	DLM	SLT	RATB
Kinsevere phase 4	TCDH056	79	101	DLM	SLT	RATB
Kinsevere phase 4	TCDH056	101	103.1	CBM	SLT	CMN
Kinsevere phase 4	TCDH056	103.1	107.6	NR		NR
Kinsevere phase 4	TCDH056	107.6	115.1	CBM	SST	CMN
Kinsevere phase 4	TCDH056	115.1	121.1	NR		NR
Kinsevere phase 4	TCDH056	121.1	124.15	CBM	SST	CMN
Kinsevere phase 4	TCDH056	124.15	152	DLM	SLT	RATB
Kinsevere phase 4	TCDH056	152	157.10001	NR		NR
Kinsevere phase 4	TCDH056	157.10001	167.60001	CBM	SST	CMN
Kinsevere phase 4	TCDH056	167.60001	174	CBM	SLT	CMN
Kinsevere phase 4	TCDH056	174	195.60001	CBM	SST	CMN
Kinsevere phase 4	TCDH056	195.60001	200.5	CBM	SST	CMN
Kinsevere phase 4	TCDH056	200.5	215.10001	DLM	SLT	RATB
Kinsevere phase 4	TCDH057	0	46	SHA		SD
Kinsevere phase 4	TCDH057	46	47.5	SHC	SHA	SD
Kinsevere phase 4	TCDH057	47.5	53.5	SHC		SD
Kinsevere phase 4	TCDH057	53.5	76	CARS		SD
Kinsevere phase 4	TCDH057	76	90.800003	CARS		SD
Kinsevere phase 4	TCDH057	90.800003	95.900002	HBX		SD
Kinsevere phase 4	TCDH057	95.900002	98.5	CARS		SD
Kinsevere phase 4	TCDH057	98.5	114.5	HBX		FZ
Kinsevere phase 4	TCDH057	114.5	121	ARG	BARG	RAT
Kinsevere phase 4	TCDH057	121	132.2	HBX	DBX	FZ
Kinsevere phase 4	TCDH057	132.2	149.8	RATB		RATB
Kinsevere phase 4	TCDH057	149.8	173.2	DBX		CMN
Kinsevere phase 4	TCDH057	173.2	177.39999	DLL	SHDL	CMN
Kinsevere phase 4	TCDH057	177.39999	182.60001	SHA	ARG	CMN
Kinsevere phase 4	TCDH057	182.60001	203.52	DLH	DBX	
Kinsevere phase 4	TCDH057	203.52	206.86	SHDL	SHA	CMN
Kinsevere phase 4	TCDH057	206.86	237	DLH	SHA	CMN
Kinsevere phase 4	TCDH057	237	255	DLB	SHA	CMN
Kinsevere phase 4	TCDH057	255	260.76999	DLB	DLM	CMN
Kinsevere phase 4	TCDH057	260.76999	283	DLB		CMN
Kinsevere phase 4	TCDH057	283	299.88	DLB	DLM	CMN
Kinsevere phase 4	TCDH057	299.88	314.29999	SHA		CMN
Kinsevere phase 4	TCDH057	314.29999	317	DLB	DLM	CMN
Kinsevere phase 4	TCDH057	317	324.70001	SHA		CMN
Kinsevere phase 4	TCDH057	324.70001	330	SHA		CMN
Kinsevere phase 4	TCDH057	330	358.5	DLM	SHA	CMN
Kinsevere phase 4	TCDH057	358.5	385.5	SHA		CMN
Kinsevere phase 4	TCDH057	385.5	388.5	SHA		CMN
Kinsevere phase 4	TCDH058	0	18	SST	BX	SD
Kinsevere phase 4	TCDH058	18	26.6	BX		SD
Kinsevere phase 4	TCDH058	26.6	28	SLT		SD
Kinsevere phase 4	TCDH058	28	28.299999	SLT		SD
Kinsevere phase 4	TCDH058	28.299999	30.200001	SLT		SD
Kinsevere phase 4	TCDH058	30.200001	31.1	SLT		SD
Kinsevere phase 4	TCDH058	31.1	32.799999	SLT		SD
Kinsevere phase 4	TCDH058	32.799999	41.599998	SLT		SD
Kinsevere phase 4	TCDH058	41.599998	43.099998	NR		NR
Kinsevere phase 4	TCDH058	43.099998	50	SLT		SD
Kinsevere phase 4	TCDH058	50	52.099998	NR		NR

Kinsevere phase 4	TCDH058	52.099998	53.599998	SLT		SD
Kinsevere phase 4	TCDH058	53.599998	59.599998	NR		NR
Kinsevere phase 4	TCDH058	59.599998	64.099998	SLT		SD
Kinsevere phase 4	TCDH058	64.099998	74.599998	BX		GRAT
Kinsevere phase 4	TCDH058	74.599998	76.099998	NR		NR
Kinsevere phase 4	TCDH058	76.099998	79.099998	BX		GRAT
Kinsevere phase 4	TCDH058	79.099998	80.599998	NR		NR
Kinsevere phase 4	TCDH058	80.599998	88.5	BX		GRAT
Kinsevere phase 4	TCDH058	88.5	107.1	BX		CMN
Kinsevere phase 4	TCDH058	107.1	112.45	CBS		CMN
Kinsevere phase 4	TCDH058	112.45	131.10001	CBL	CBS	CMN
Kinsevere phase 4	TCDH058	131.10001	148.45	SLT	CBL	CMN
Kinsevere phase 4	TCDH058	148.45	174.14999	CBS		CMN
Kinsevere phase 4	TCDH058	174.14999	174.8	CBS		CMN
Kinsevere phase 4	TCDH058	174.8	179	CBS		CMN
Kinsevere phase 4	TCDH058	179	227.60001	CBL		CMN
Kinsevere phase 4	TCDH058	227.60001	251.8	CBL		CMN
Kinsevere phase 4	TCDH058	251.8	260.29999	BX		CMN
Kinsevere phase 4	TCDH058	260.29999	281	CBS		CMN
Kinsevere phase 4	TCDH058	281	298.10001	SLT		GRAT
Kinsevere phase 4	TCDH059	0	26	SHA		SD
Kinsevere phase 4	TCDH059	26	53.799999	SHA	SLT	SD
Kinsevere phase 4	TCDH059	53.799999	62.5	DLC	SHC	SD
Kinsevere phase 4	TCDH059	62.5	69	DLM	SHDL	SD
Kinsevere phase 4	TCDH059	69	70.699997	CARS		SD
Kinsevere phase 4	TCDH059	70.699997	74.5	SHA		SD
Kinsevere phase 4	TCDH059	74.5	79.5	SHC		SD
Kinsevere phase 4	TCDH059	79.5	91	BARG	ARG	RAT
Kinsevere phase 4	TCDH059	91	99	DLC	SHC	CMN
Kinsevere phase 4	TCDH059	99	99.300003	BARG	HBX	FZ
Kinsevere phase 4	TCDH059	99.300003	106	DLB		CMN
Kinsevere phase 4	TCDH059	106	108.5	SHC		CMN
Kinsevere phase 4	TCDH059	108.5	156.10001	DLB		CMN
Kinsevere phase 4	TCDH059	156.10001	165.55	HBX	DBX	FZ
Kinsevere phase 4	TCDH059	165.55	178.5	BARG		RATB
Kinsevere phase 4	TCDH059	178.5	184.2	SHC		CMN
Kinsevere phase 4	TCDH059	184.2	186.5	SHA		CMN
Kinsevere phase 4	TCDH059	186.5	190.83	SHA		CMN
Kinsevere phase 4	TCDH059	190.83	203.85001	BARG		RATB
Kinsevere phase 4	TCDH059	203.85001	216.91	DLB	SHA	CMN
Kinsevere phase 4	TCDH059	216.91	217.92	SHA	G	CMN
Kinsevere phase 4	TCDH059	217.92	240.5	DLB	SHA	CMN
Kinsevere phase 4	TCDH059	240.5	246.2	SHA		CMN
Kinsevere phase 4	TCDH059	246.2	249.03	SHC	DLM	CMN
Kinsevere phase 4	TCDH059	249.03	252.13	DBX		FZ
Kinsevere phase 4	TCDH059	252.13	265.20001	DLB	DLH	CMN
Kinsevere phase 4	TCDH059	265.20001	271.60001	DLM		CMN
Kinsevere phase 4	TCDH059	271.60001	275	SHDL		CMN
Kinsevere phase 4	TCDH059	275	282.70001	DLM		CMN
Kinsevere phase 4	TCDH059	282.70001	283.5	SHA		CMN
Kinsevere phase 4	TCDH059	283.5	290.25	DLB		CMN
Kinsevere phase 4	TCDH059	290.25	294.70001	SHDL		CMN
Kinsevere phase 4	TCDH059	294.70001	345.95001	DLB	DLM	CMN
Kinsevere phase 4	TCDH059	345.95001	374	SHA	SHDL	CMN
Kinsevere phase 4	TCDH059	374	393.5	SHA	SHDL	CMN
Kinsevere phase 4	TCDH060	0	90	SLT	DLM	RATB
Kinsevere phase 4	TCDH060	90	175.5	SLT	DLM	RATB
Kinsevere phase 4	TCDH060	175.5	181.5	SLT	DLM	GRAT
Kinsevere phase 4	TCDH060	181.5	202.5	SLT	DLM	GRAT
Kinsevere phase 4	TCDH061	0	10	SOL		SOL
Kinsevere phase 4	TCDH061	10	20	DLM	SLT	RRAT
Kinsevere phase 4	TCDH061	20	61	DLM	SLT	RATB
Kinsevere phase 4	TCDH061	61	130.39999	CBM	DLM	CMN

Kinsevere phase 4	TCDH061	130.39999	151.8	DLM		GRAT
Kinsevere phase 4	TCDH061	151.8	180.10001	DLM	SST	CMN
Kinsevere phase 4	TCDH061	180.10001	188.10001	DLM	SLT	CMN
Kinsevere phase 4	TCDH061	188.10001	201	DLM	SLT	CMN
Kinsevere phase 4	TCDH061	201	240	DLM	SLT	CMN
Kinsevere phase 4	TCDH061	240	257.5	DLM	SLT	RATB
Kinsevere phase 4	TCDH061	257.5	270.70001	DLM	SLT	CMN
Kinsevere phase 4	TCDH061	270.70001	284	DLM	SLT	CMN
Kinsevere phase 4	TCDH061	284	297	DLM	SLT	CMN
Kinsevere phase 4	TCDH061	297	302	DLM	SLT	CMN
Kinsevere phase 4	TCDH061	302	310	DLM	SLT	CMN
Kinsevere phase 4	TCDH061	310	344.5	DLM	SLT	RATB
Kinsevere phase 4	TCDH062	0	11	SOL		SOL
Kinsevere phase 4	TCDH062	11	20	NR		NR
Kinsevere phase 4	TCDH062	20	58.759998	DLM	SLT	RRAT
Kinsevere phase 4	TCDH062	58.759998	63.400002	DLM		HBX
Kinsevere phase 4	TCDH062	63.400002	78.5	CBM		CMN
Kinsevere phase 4	TCDH062	78.5	82.720001	CBS		CMN
Kinsevere phase 4	TCDH062	82.720001	94.449997	CBM		CMN
Kinsevere phase 4	TCDH062	94.449997	217.5	CBM		CMN
Kinsevere phase 4	TCDH062	217.5	217.7	DLM	SLT	RATB
Kinsevere phase 4	TCDH062	217.7	218.3	CBS		CMN
Kinsevere phase 4	TCDH062	218.3	218.8	DLM		RATB
Kinsevere phase 4	TCDH062	218.8	223.2	CBS		CMN
Kinsevere phase 4	TCDH062	223.2	245.10001	DLM		RATB
Kinsevere phase 4	TCDH063	0	23.299999	SHA	SHDL	SD
Kinsevere phase 4	TCDH063	23.299999	25.91	SHC		SD
Kinsevere phase 4	TCDH063	25.91	26.9	SHA	MX	SD
Kinsevere phase 4	TCDH063	26.9	46.200001	SHC		SD
Kinsevere phase 4	TCDH063	46.200001	58.5	SHC		SD
Kinsevere phase 4	TCDH063	58.5	65.599998	SHC		SD
Kinsevere phase 4	TCDH063	65.599998	77.550003	SHC		SD
Kinsevere phase 4	TCDH063	77.550003	82.099998	SHA	SHDL	SD
Kinsevere phase 4	TCDH063	82.099998	86.599998	NR		NR
Kinsevere phase 4	TCDH063	86.599998	88.099998	DLH	SHDL	CMN
Kinsevere phase 4	TCDH063	88.099998	89.800003	DBX	DLB	CMN
Kinsevere phase 4	TCDH063	89.800003	119.1	DLB		CMN
Kinsevere phase 4	TCDH063	119.1	121.9	DBX		CMN
Kinsevere phase 4	TCDH063	121.9	131.31	DLB		CMN
Kinsevere phase 4	TCDH063	131.31	134.21001	HBX	MX	CMN
Kinsevere phase 4	TCDH063	134.21001	153.3	DLB	DLC	CMN
Kinsevere phase 4	TCDH063	153.3	154.95	DBX		CMN
Kinsevere phase 4	TCDH063	154.95	170.25999	RATB		RATB
Kinsevere phase 4	TCDH063	170.25999	187.10001	DBX	HBX	FZ
Kinsevere phase 4	TCDH063	187.10001	198.5	ARG		RAT
Kinsevere phase 4	TCDH063	198.5	200.16	BARG		RATB
Kinsevere phase 4	TCDH063	200.16	201.25	DBX		CMN
Kinsevere phase 4	TCDH063	201.25	246.58	DLB	SHA	CMN
Kinsevere phase 4	TCDH063	246.58	247.3	HBX		FZ
Kinsevere phase 4	TCDH063	247.3	249	DLB		CMN
Kinsevere phase 4	TCDH063	249	253.95	SHDL		CMN
Kinsevere phase 4	TCDH063	253.95	256.39001	DLM		CMN
Kinsevere phase 4	TCDH063	256.39001	256.79999	SHA	SHDL	CMN
Kinsevere phase 4	TCDH063	256.79999	282.66	DLB	DLM	CMN
Kinsevere phase 4	TCDH063	282.66	287.32999	SHA		CMN
Kinsevere phase 4	TCDH063	287.32999	325.60001	DLM		CMN
Kinsevere phase 4	TCDH064	0	3.5	ARG		RAT
Kinsevere phase 4	TCDH064	3.5	22	ARG	DARG	RRAT
Kinsevere phase 4	TCDH064	22	28.299999	BARG		RATB
Kinsevere phase 4	TCDH064	28.299999	31	ARG		RRAT
Kinsevere phase 4	TCDH064	31	37.5	ARG	DARG	RRAT
Kinsevere phase 4	TCDH064	37.5	40	BARG		RATB
Kinsevere phase 4	TCDH064	40	41.799999	BARG		RAT

Kinsevere phase 4	TCDH064	41.799999	123	ARG		RAT
Kinsevere phase 4	TCDH064	123	164.39999	ARG		RAT
Kinsevere phase 4	TCDH064	164.39999	181.37	BARG		RATB
Kinsevere phase 4	TCDH064	181.37	191.2	HBX		FZ
Kinsevere phase 4	TCDH064	191.2	199.8	BARG		RATB
Kinsevere phase 4	TCDH064	199.8	201.7	DLB		CMN
Kinsevere phase 4	TCDH064	201.7	202.5	HBX		FZ
Kinsevere phase 4	TCDH065	0	29	DARG	SPR	RRAT
Kinsevere phase 4	TCDH065	29	57	ARG		RRAT
Kinsevere phase 4	TCDH065	57	72	DARG		GRAT
Kinsevere phase 4	TCDH065	72	73.599998	NR		
Kinsevere phase 4	TCDH065	73.599998	76.5	DLB		RSF
Kinsevere phase 4	TCDH065	76.5	85.199997	SHA		SD
Kinsevere phase 4	TCDH065	85.199997	88.5	SHC		SD
Kinsevere phase 4	TCDH065	88.5	88.699997	MX		FZ
Kinsevere phase 4	TCDH065	88.699997	94	SHC		SD
Kinsevere phase 4	TCDH065	94	134	SHC	DLC	SD
Kinsevere phase 4	TCDH065	134	137	SHC		SD
Kinsevere phase 4	TCDH065	137	141.89999	DLH	DLC	SD
Kinsevere phase 4	TCDH065	141.89999	146.7	DLC		SD
Kinsevere phase 4	TCDH065	146.7	148.8	SHA	SHDL	SD
Kinsevere phase 4	TCDH065	148.8	159.5	SHC		SD
Kinsevere phase 4	TCDH065	159.5	178.8	SHC	DLC	SD
Kinsevere phase 4	TCDH065	178.8	181.58	MX		FZ
Kinsevere phase 4	TCDH065	181.58	194	BARG		RATB
Kinsevere phase 4	TCDH065	194	298	ARG		RAT
Kinsevere phase 4	TCDH066	0	19	ARG		RRAT
Kinsevere phase 4	TCDH066	19	22	ARG		GRAT
Kinsevere phase 4	TCDH066	22	26.799999	ARG		GRAT
Kinsevere phase 4	TCDH066	26.799999	32	DLB		DSTR
Kinsevere phase 4	TCDH066	32	34.5	DLB	DLH	RSF
Kinsevere phase 4	TCDH066	34.5	39.900002	SHA		SD
Kinsevere phase 4	TCDH066	39.900002	51	SHC		SD
Kinsevere phase 4	TCDH066	51	122	SHC		SD
Kinsevere phase 4	TCDH066	122	125.3	SHC		SD
Kinsevere phase 4	TCDH066	125.3	128	SHDL	DLH	SD
Kinsevere phase 4	TCDH066	128	129.60001	SHC		SD
Kinsevere phase 4	TCDH066	129.60001	133.3	HBX		FZ
Kinsevere phase 4	TCDH066	133.3	174.5	BARG		RATB
Kinsevere phase 4	TCDH066	174.5	198.5	ARG		RRAT
Kinsevere phase 4	TCDH066	198.5	201.5	NR		NR
Kinsevere phase 4	TCDH066	201.5	204.5	ARG		RRAT
Kinsevere phase 4	TCDH066	204.5	215	NR		NR
Kinsevere phase 4	TCDH066	215	225.8	ARG		RRAT
Kinsevere phase 4	TCDH066	225.8	257	BARG		RATB
Kinsevere phase 4	TCDH067	0	7.5	SOL		OVB
Kinsevere phase 4	TCDH067	7.5	10.9	SP		CMN
Kinsevere phase 4	TCDH067	10.9	23.299999	SHDL	SLT	CMN
Kinsevere phase 4	TCDH067	23.299999	26.299999	DLL		CMN
Kinsevere phase 4	TCDH067	26.299999	31.75	DLM	DLS	CMN
Kinsevere phase 4	TCDH067	31.75	39.099998	SHDL	SLT	CMN
Kinsevere phase 4	TCDH067	39.099998	44.700001	HBX		FZ
Kinsevere phase 4	TCDH067	44.700001	80.5	DLH		CMN
Kinsevere phase 4	TCDH067	80.5	90.400002	SLT	SHDL	CMN
Kinsevere phase 4	TCDH067	90.400002	101	SHDL		CMN
Kinsevere phase 4	TCDH067	101	109.2	DLH		CMN
Kinsevere phase 4	TCDH067	109.2	113.95	DLH		CMN
Kinsevere phase 4	TCDH067	113.95	118	DLH	DLM	CMN
Kinsevere phase 4	TCDH067	118	120.9	HBX		FZ
Kinsevere phase 4	TCDH067	120.9	130.39999	SHC	CARS	CMN
Kinsevere phase 4	TCDH067	130.39999	171	DLB		CMN
Kinsevere phase 4	TCDH067	171	182	SHC	DLC	SD
Kinsevere phase 4	TCDH067	182	191.64999	DLB	DLM	SD

Kinsevere phase 4	TCDH067	191.64999	223.25	SHC	DLC	SD
Kinsevere phase 4	TCDH067	223.25	226.7	DLM	DLB	SD
Kinsevere phase 4	TCDH067	226.7	250.57001	SHC		SD
Kinsevere phase 4	TCDH067	250.57001	253.94	DLC		SD
Kinsevere phase 4	TCDH067	253.94	277	SHC	CARS	SD
Kinsevere phase 4	TCDH067	277	278.64999	CARS	DLC	RSF
Kinsevere phase 4	TCDH067	278.64999	282	DLC		DSTR
Kinsevere phase 4	TCDH067	282	284.39999	DLB		DSTR
Kinsevere phase 4	TCDH067	284.39999	287.32999	ARG		GRAT
Kinsevere phase 4	TCDH067	287.32999	288.64999	ARG		GRAT
Kinsevere phase 4	TCDH067	288.64999	292.64999	ARG		RRAT
Kinsevere phase 4	TCDH067	292.64999	310	ARG		RATB
Kinsevere phase 4	TCDH067	310	361	RATB	BARG	RATB
Kinsevere phase 4	TCRC151	0	6	SOL		SOL
Kinsevere phase 4	TCRC151	6	11	SLT	DLM	GRAT
Kinsevere phase 4	TCRC151	11	66	SST	DLM	RATB
Kinsevere phase 4	TCRC151	66	91	SLT	DLM	GRAT
Kinsevere phase 4	TCRC151	91	105	SST	DLM	RATB
Kinsevere phase 4	TCRC151	105	150	SST	DLM	GRAT
Kinsevere phase 4	TCRC152	0	3	SOL		SOL
Kinsevere phase 4	TCRC152	3	12	SST	DLM	GRAT
Kinsevere phase 4	TCRC152	12	17	CBS		CMN
Kinsevere phase 4	TCRC152	17	24	DLM		GRAT
Kinsevere phase 4	TCRC152	24	40	DLM	BX	RATB
Kinsevere phase 4	TCRC152	40	43	SST	DLM	GRAT
Kinsevere phase 4	TCRC152	43	61	SST	DLM	GRAT
Kinsevere phase 4	TCRC152	61	77	SLT	DLM	GRAT
Kinsevere phase 4	TCRC152	77	150	SST	DLM	GRAT
Kinsevere phase 4	TCRC153	0	23	SOL		SOL
Kinsevere phase 4	TCRC153	23	30	SST	CBM	CMN
Kinsevere phase 4	TCRC153	30	35	SST	CBM	CMN
Kinsevere phase 4	TCRC153	35	44	SST	CBM	CMN
Kinsevere phase 4	TCRC153	44	49	SST	RRAT	GRAT
Kinsevere phase 4	TCRC153	49	72	SST	CBM	CMN
Kinsevere phase 4	TCRC153	72	120	SST	CBM	CMN
Kinsevere phase 4	TCRC154	0	13	SOL		SOL
Kinsevere phase 4	TCRC154	13	20	DLM		GRAT
Kinsevere phase 4	TCRC154	20	40	SST	SLT	RATB
Kinsevere phase 4	TCRC154	40	58	BX	SST	HBX
Kinsevere phase 4	TCRC154	58	80	SST	CBS	CMN
Kinsevere phase 4	TCRC155	0	2	SOL		SOL
Kinsevere phase 4	TCRC155	2	16	DLM		GRAT
Kinsevere phase 4	TCRC155	16	26	DLM		GRAT
Kinsevere phase 4	TCRC155	26	40	SLT	DLM	GRAT
Kinsevere phase 4	TCRC155	40	45	SLT	DLM	GRAT
Kinsevere phase 4	TCRC155	45	97	SLT	DLM	GRAT
Kinsevere phase 4	TCRC155	97	104	SLT	DLM	GRAT
Kinsevere phase 4	TCRC155	104	106	SLT	DLM	GRAT
Kinsevere phase 4	TCRC155	106	112	SLT	DLM	GRAT
Kinsevere phase 4	TCRC156	0	9	SLT	DLM	GRAT
Kinsevere phase 4	TCRC156	9	17	SLT	DLM	GRAT
Kinsevere phase 4	TCRC156	17	86	SST	DLM	GRAT
Kinsevere phase 4	TCRC156	86	120	SST	DLM	RATB
Kinsevere phase 4	TCRC156	120	150	SST	DLM	GRAT
Kinsevere phase 4	TCRC157	0	3	SOL		SOL
Kinsevere phase 4	TCRC157	3	10	DLM		RATB
Kinsevere phase 4	TCRC157	10	13	SLT	DLM	GRAT
Kinsevere phase 4	TCRC157	13	21	DLL	SLT	DSTR
Kinsevere phase 4	TCRC157	21	30	DLL	SLT	SD
Kinsevere phase 4	TCRC157	30	40	DLH		SD
Kinsevere phase 4	TCRC157	40	53	DLH	SHA	SD
Kinsevere phase 4	TCRC157	53	86	DLH	SHA	SD
Kinsevere phase 4	TCRC157	86	89	BX	DLH	HBX

Kinsevere phase 4	TCRC157	89	93	DLH	SHA	SD
Kinsevere phase 4	TCRC157	93	102	DLH		SD
Kinsevere phase 4	TCRC157	102	125	BX	DLM	HBX
Kinsevere phase 4	TCRC157	125	130	CBS		CMN
Kinsevere phase 4	TCRC157	130	150	CBS		CMN
Kinsevere phase 4	TCRC158	0	6	SOL		SOL
Kinsevere phase 4	TCRC158	6	15	SLT	DLL	GRAT
Kinsevere phase 4	TCRC158	15	17	SLT		RATB
Kinsevere phase 4	TCRC158	17	37	SLT	DLL	GRAT
Kinsevere phase 4	TCRC158	37	41	SLT		RATB
Kinsevere phase 4	TCRC158	41	46	SLT	DLL	GRAT
Kinsevere phase 4	TCRC158	46	67	SLT	DLL	GRAT
Kinsevere phase 4	TCRC158	67	70	SLT		RATB
Kinsevere phase 4	TCRC158	70	77	SLT	DLL	GRAT
Kinsevere phase 4	TCRC158	77	87	SLT	DLL	GRAT
Kinsevere phase 4	TCRC158	87	91	SLT	DLL	GRAT
Kinsevere phase 4	TCRC158	91	125	SLT	DLL	GRAT
Kinsevere phase 4	TCRC158	125	141	SST	DLS	GRAT
Kinsevere phase 4	TCRC158	141	150	SLT	DLL	GRAT
Kinsevere phase 4	TCRC159	0	6	SOL		SOL
Kinsevere phase 4	TCRC159	6	7	NR	NR	NR
Kinsevere phase 4	TCRC159	7	29	SOL		SOL
Kinsevere phase 4	TCRC159	29	35	SLT	DLL	RATB
Kinsevere phase 4	TCRC159	35	58	SLT	DLL	CMN
Kinsevere phase 4	TCRC159	58	61	DLL	SLT	GRAT
Kinsevere phase 4	TCRC159	61	70	DLM	SST	CMN
Kinsevere phase 4	TCRC159	70	79	SLT	DLL	GRAT
Kinsevere phase 4	TCRC159	79	85	SST	DLS	RATB
Kinsevere phase 4	TCRC159	85	87	SLT	DLL	GRAT
Kinsevere phase 4	TCRC159	87	92	DLL	SLT	RATB
Kinsevere phase 4	TCRC159	92	107	SLT	DLL	GRAT
Kinsevere phase 4	TCRC159	107	144	SST	DLL	CMN
Kinsevere phase 4	TCRC160	0	10	SOL		SOL
Kinsevere phase 4	TCRC160	10	17	SST	DLM	CMN
Kinsevere phase 4	TCRC160	17	19	SST	DLM	CMN
Kinsevere phase 4	TCRC160	19	30	SST	DLT	CMN
Kinsevere phase 4	TCRC160	30	52	SLT	DLL	GRAT
Kinsevere phase 4	TCRC160	52	53	NR	NR	
Kinsevere phase 4	TCRC160	53	69	SLT	DLL	GRAT
Kinsevere phase 4	TCRC160	69	70	NR	NR	NR
Kinsevere phase 4	TCRC160	70	73	SLT	DLL	GRAT
Kinsevere phase 4	TCRC160	73	74	NR	NR	
Kinsevere phase 4	TCRC160	74	78	SLT	DLL	CMN
Kinsevere phase 4	TCRC160	78	94	SST	DLM	CMN
Kinsevere phase 4	TCRC160	94	101	SST	DLS	CMN
Kinsevere phase 4	TCRC160	101	107	SST	DLM	CMN
Kinsevere phase 4	TCRC160	107	117	SST	DLM	CMN
Kinsevere phase 4	TCRC160	117	121	SST	DLM	CMN
Kinsevere phase 4	TCRC160	121	132	SST	DLM	CMN
Kinsevere phase 4	TCRC161	0	2	NR	NR	NR
Kinsevere phase 4	TCRC161	2	6	SOL	SST	SOL
Kinsevere phase 4	TCRC161	6	7	NR	NR	NR
Kinsevere phase 4	TCRC161	7	16	SOL	SST	SOL
Kinsevere phase 4	TCRC161	16	22	SST	DLS	CMN
Kinsevere phase 4	TCRC161	22	41	DLS	SST	RATB
Kinsevere phase 4	TCRC161	41	42	SST		CMN
Kinsevere phase 4	TCRC161	42	47	SST		CMN
Kinsevere phase 4	TCRC161	47	48	DLS	SST	CMN
Kinsevere phase 4	TCRC161	48	58	DLS	SST	CMN
Kinsevere phase 4	TCRC161	58	59	DLS	SST	CMN
Kinsevere phase 4	TCRC161	59	60	DLS	SST	CMN
Kinsevere phase 4	TCRC161	60	64	DLL	SLT	GRAT
Kinsevere phase 4	TCRC161	64	65	SST		RATB

Kinsevere phase 4	TCRC161	65	70	DLS	SST	CMN
Kinsevere phase 4	TCRC161	70	76	DLS	SST	CMN
Kinsevere phase 4	TCRC161	76	101	DLS	SST	CMN
Kinsevere phase 4	TCRC161	101	113	DLS	SST	CMN
Kinsevere phase 4	TCRC161	113	128	SST		CMN
Kinsevere phase 4	TCRC162	0	6	SOL		SOL
Kinsevere phase 4	TCRC162	6	15	DLM	SST	CMN
Kinsevere phase 4	TCRC162	15	18	DLS	SST	CMN
Kinsevere phase 4	TCRC162	18	21	DLM	SST	CMN
Kinsevere phase 4	TCRC162	21	22	DLM	SST	CMN
Kinsevere phase 4	TCRC162	22	25	DLM	SST	CMN
Kinsevere phase 4	TCRC162	25	28	DLM		GRAT
Kinsevere phase 4	TCRC162	28	50	DLM	SLT	GRAT
Kinsevere phase 4	TCRC162	50	52	SLT	DLL	CMN
Kinsevere phase 4	TCRC162	52	56	NR		
Kinsevere phase 4	TCRC162	56	61	SST		CMN
Kinsevere phase 4	TCRC162	61	63	SLT	DLM	CMN
Kinsevere phase 4	TCRC162	63	69	DLM	SST	CMN
Kinsevere phase 4	TCRC162	69	74	SLT		CMN
Kinsevere phase 4	TCRC162	74	75	SST		CMN
Kinsevere phase 4	TCRC162	75	83	DLM	SST	CMN
Kinsevere phase 4	TCRC162	83	100	SST	DLM	CMN
Kinsevere phase 4	TCRC163	0	14	SOL		SOL
Kinsevere phase 4	TCRC163	14	21	DLM	SST	CMN
Kinsevere phase 4	TCRC163	21	36	SST	DLS	CMN
Kinsevere phase 4	TCRC163	36	39	SLT	DLL	GRAT
Kinsevere phase 4	TCRC163	39	41	SST		CMN
Kinsevere phase 4	TCRC163	41	45	DLM	SST	CMN
Kinsevere phase 4	TCRC163	45	58	DLM	SLT	CMN
Kinsevere phase 4	TCRC163	58	67	DLM	SST	CMN
Kinsevere phase 4	TCRC163	67	78	CBM	SLT	CMN
Kinsevere phase 4	TCRC163	78	81	DLM	SLT	CMN
Kinsevere phase 4	TCRC163	81	87	SST		CMN
Kinsevere phase 4	TCRC163	87	91	DLM	SST	CMN
Kinsevere phase 4	TCRC163	91	130	DLM	SST	CMN
Kinsevere phase 4	TCRC163	130	140	SST		CMN
Kinsevere phase 4	TCRC164	0	6	SOL		SOL
Kinsevere phase 4	TCRC164	6	21	SST		CMN
Kinsevere phase 4	TCRC164	21	45	DLL	SLT	CMN
Kinsevere phase 4	TCRC164	45	54	SST		CMN
Kinsevere phase 4	TCRC164	54	56	SST		CMN
Kinsevere phase 4	TCRC164	56	103	SST		CMN
Kinsevere phase 4	TCRC164	103	106	SST	DLS	CMN
Kinsevere phase 4	TCRC164	106	150	DLM	SST	CMN
Kinsevere phase 4	TCRC165	0	9	SOL		SOL
Kinsevere phase 4	TCRC165	9	41	DLT	SST	GRAT
Kinsevere phase 4	TCRC165	41	61	DLL	SLT	GRAT
Kinsevere phase 4	TCRC165	61	70	DLL	SLT	GRAT
Kinsevere phase 4	TCRC165	70	72	SST		RATB
Kinsevere phase 4	TCRC165	72	77	DLT	SST	GRAT
Kinsevere phase 4	TCRC165	77	82	SST		RATB
Kinsevere phase 4	TCRC165	82	89	DLT	SST	CMN
Kinsevere phase 4	TCRC165	89	97	DLT	SST	CMN
Kinsevere phase 4	TCRC165	97	124	DLT	SST	CMN
Kinsevere phase 4	TCRC166	0	10	SOL		SOL
Kinsevere phase 4	TCRC166	10	26	DLH	SST	SD
Kinsevere phase 4	TCRC166	26	38	DLH	SLT	SD
Kinsevere phase 4	TCRC166	38	42	DLH		SD
Kinsevere phase 4	TCRC166	42	44	DLH	SST	SD
Kinsevere phase 4	TCRC166	44	54	CBH	SST	SD
Kinsevere phase 4	TCRC166	54	59	CBH	SST	SD
Kinsevere phase 4	TCRC166	59	62	SST		SD
Kinsevere phase 4	TCRC166	62	66	DLH	SST	CMN

Kinsevere phase 4	TCRC166	66	71	DLH	SST	CMN
Kinsevere phase 4	TCRC166	71	91	DLH	SST	CMN
Kinsevere phase 4	TCRC166	91	126	DLH	SST	CMN
Kinsevere phase 4	TCRC166	126	134	DLH	SST	SD
Kinsevere phase 4	TCRC166	134	150	DLH	SST	SD
Kinsevere phase 4	TCRC167	0	6	SOL		SOL
Kinsevere phase 4	TCRC167	6	8	DLT		RATB
Kinsevere phase 4	TCRC167	8	14	DLL	SLT	GRAT
Kinsevere phase 4	TCRC167	14	21	SST	DLS	CMN
Kinsevere phase 4	TCRC167	21	50	DLL	SLT	GRAT
Kinsevere phase 4	TCRC167	50	54	SST	DLS	CMN
Kinsevere phase 4	TCRC167	54	61	DLL	SLT	GRAT
Kinsevere phase 4	TCRC167	61	82	SST	DLS	CMN
Kinsevere phase 4	TCRC167	82	89	DLL	SLT	GRAT
Kinsevere phase 4	TCRC167	89	94	DLL	SLT	GRAT
Kinsevere phase 4	TCRC167	94	106	DLL	SLT	GRAT
Kinsevere phase 4	TCRC167	106	116	DLL	SLT	GRAT
Kinsevere phase 4	TCRC167	116	125	SST	DLS	CMN
Kinsevere phase 4	TCRC167	125	128	SST		CMN
Kinsevere phase 4	TCRC167	128	130	NR	NR	NR
Kinsevere phase 4	TCRC167	130	134	SST	DLS	CMN
Kinsevere phase 4	TCRC167	134	136	SST	DLS	CMN
Kinsevere phase 4	TCRC168	0	1	SOL		SOL
Kinsevere phase 4	TCRC168	1	9	SOL		SOL
Kinsevere phase 4	TCRC168	9	17	DLL	SLT	GRAT
Kinsevere phase 4	TCRC168	17	18	SST		RATB
Kinsevere phase 4	TCRC168	18	26	SST	DLT	CMN
Kinsevere phase 4	TCRC168	26	37	SST		CMN
Kinsevere phase 4	TCRC168	37	44	DLT		CMN
Kinsevere phase 4	TCRC168	44	52	NR		
Kinsevere phase 4	TCRC168	52	55	DLT	SST	RATB
Kinsevere phase 4	TCRC168	55	67	DLL	SLT	GRAT
Kinsevere phase 4	TCRC168	67	70	DLT	SST	CMN
Kinsevere phase 4	TCRC168	70	77	DLM	SST	GRAT
Kinsevere phase 4	TCRC168	77	80	DLL	SLT	GRAT
Kinsevere phase 4	TCRC168	80	86	DLM	SST	CMN
Kinsevere phase 4	TCRC168	86	92	DLT	SST	CMN
Kinsevere phase 4	TCRC168	92	96	DLM	SST	CMN
Kinsevere phase 4	TCRC169	0	2	SOL		SOL
Kinsevere phase 4	TCRC169	2	6	SOL		SOL
Kinsevere phase 4	TCRC169	6	11	DLH	SST	SD
Kinsevere phase 4	TCRC169	11	21	SST		RATB
Kinsevere phase 4	TCRC169	21	45	DLT	SST	RATB
Kinsevere phase 4	TCRC169	45	62	DLL	SLT	GRAT
Kinsevere phase 4	TCRC169	62	78	DLM	SST	GRAT
Kinsevere phase 4	TCRC169	78	106	DLM	SST	GRAT
Kinsevere phase 4	TCRC169	106	150	DLM	SST	GRAT
Kinsevere phase 4	TCRC170	0	15	DLM	SST	GRAT
Kinsevere phase 4	TCRC170	15	27	DLL	SLT	GRAT
Kinsevere phase 4	TCRC170	27	92	DLL	SLT	GRAT
Kinsevere phase 4	TCRC170	92	104	DLL	SLT	GRAT
Kinsevere phase 4	TCRC170	104	107	DLM	SST	GRAT
Kinsevere phase 4	TCRC170	107	111	SLT	DLL	GRAT
Kinsevere phase 4	TCRC170	111	114	SLT	DLL	GRAT
Kinsevere phase 4	TCRC170	114	150	DLL	SLT	GRAT
Kinsevere phase 4	TCRC171	0	5	SOL		SOL
Kinsevere phase 4	TCRC171	5	10	SST		
Kinsevere phase 4	TCRC171	10	22	SST	DLM	CMN
Kinsevere phase 4	TCRC171	22	44	DLL	SLT	GRAT
Kinsevere phase 4	TCRC171	44	52	DLL	SLT	GRAT
Kinsevere phase 4	TCRC171	52	59	DLM	SST	CMN
Kinsevere phase 4	TCRC171	59	62	DLL	SLT	GRAT
Kinsevere phase 4	TCRC171	62	65	DLM	SST	CMN

Kinsevere phase 4	TCRC171	65	69	DLL	SLT	GRAT
Kinsevere phase 4	TCRC171	69	78	DLL	SLT	GRAT
Kinsevere phase 4	TCRC171	78	80	SST	DLM	CMN
Kinsevere phase 4	TCRC172	0	5	NR		
Kinsevere phase 4	TCRC172	5	6	SOL		SOL
Kinsevere phase 4	TCRC172	6	15	SOL		SOL
Kinsevere phase 4	TCRC172	15	35	SST	DLM	CMN
Kinsevere phase 4	TCRC172	35	39	DLL	SLT	GRAT
Kinsevere phase 4	TCRC172	39	50	SST	DLM	CMN
Kinsevere phase 4	TCRC172	50	53	DLL	SLT	GRAT
Kinsevere phase 4	TCRC172	53	57	SST	DLM	CMN
Kinsevere phase 4	TCRC172	57	65	SST	DLM	CMN
Kinsevere phase 4	TCRC172	65	66	SST		RATB
Kinsevere phase 4	TCRC172	66	70	DLM	SST	CMN
Kinsevere phase 4	TCRC172	70	73	SLT		GRAT
Kinsevere phase 4	TCRC172	73	75	DLM	SST	CMN
Kinsevere phase 4	TCRC172	75	76	NR	NR	NR
Kinsevere phase 4	TCRC172	76	80	DLM	SST	CMN
Kinsevere phase 4	TCRC172	80	120	DLM	SST	CMN
Kinsevere phase 4	TCRC172	120	150	DLM	SST	CMN
Kinsevere phase 4	TCRC173	0	13	SOL		SOL
Kinsevere phase 4	TCRC173	13	72	DLL	SLT	GRAT
Kinsevere phase 4	TCRC173	72	78	SST		RATB
Kinsevere phase 4	TCRC173	78	90	DLH	SST	GRAT
Kinsevere phase 4	TCRC173	90	96	SST		RATB
Kinsevere phase 4	TCRC173	96	106	DLH	SST	GRAT
Kinsevere phase 4	TCRC173	106	116	SST		RATB
Kinsevere phase 4	TCRC173	116	138	SST		CMN
Kinsevere phase 4	TCRC173	138	145	DLM	SST	CMN
Kinsevere phase 4	TCRC174	0	7	NR		
Kinsevere phase 4	TCRC174	7	14	SOL		SOL
Kinsevere phase 4	TCRC174	14	23	SST		CMN
Kinsevere phase 4	TCRC174	23	38	DLH	SST	SD
Kinsevere phase 4	TCRC174	38	48	SST		CMN
Kinsevere phase 4	TCRC174	48	52	NR	NR	
Kinsevere phase 4	TCRC174	52	74	SST		CMN
Kinsevere phase 4	TCRC174	74	82	SST		CMN
Kinsevere phase 4	TCRC174	82	87	DLH	SST	CMN
Kinsevere phase 4	TCRC174	87	102	DLH	SST	CMN
Kinsevere phase 4	TCRC174	102	116	DLH	SST	CMN
Kinsevere phase 4	TCRC174	116	127	SST		CMN
Kinsevere phase 4	TCRC174	127	145	SST		CMN
Kinsevere phase 4	TCRC175	0	6	NR		
Kinsevere phase 4	TCRC175	6	11	SOL		SOL
Kinsevere phase 4	TCRC175	11	30	DLL	SLT	GRAT
Kinsevere phase 4	TCRC175	30	38	SST		RATB
Kinsevere phase 4	TCRC175	38	40	SST		RATB
Kinsevere phase 4	TCRC175	40	52	SST		HBX
Kinsevere phase 4	TCRC175	52	67	SST		HBX
Kinsevere phase 4	TCRC175	67	77	SST		HBX
Kinsevere phase 4	TCRC175	77	111	DLL	SLT	CMN
Kinsevere phase 4	TCRC175	111	113	DLM	SST	CMN
Kinsevere phase 4	TCRC175	113	150	DLM	SST	CMN
Kinsevere phase 4	TCRC176	0	3	NR		
Kinsevere phase 4	TCRC176	3	20	SOL		SOL
Kinsevere phase 4	TCRC176	20	23	SST		HBX
Kinsevere phase 4	TCRC176	23	25	SST	DLT	CMN
Kinsevere phase 4	TCRC176	25	26	DLH	SLT	CMN
Kinsevere phase 4	TCRC176	26	31	DLL	SLT	CMN
Kinsevere phase 4	TCRC176	31	34	SST		CMN
Kinsevere phase 4	TCRC176	34	37	DLL	SLT	GRAT
Kinsevere phase 4	TCRC176	37	39	SST		CMN
Kinsevere phase 4	TCRC176	39	81	DLL	SLT	GRAT

Kinsevere phase 4	TCRC176	81	88	SST		CMN
Kinsevere phase 4	TCRC176	88	89	DLH	SST	CMN
Kinsevere phase 4	TCRC176	89	93	SST		CMN
Kinsevere phase 4	TCRC177	0	2	NR		
Kinsevere phase 4	TCRC177	2	14	SOL		SOL
Kinsevere phase 4	TCRC177	14	20	SST		CMN
Kinsevere phase 4	TCRC177	20	26	SST	DLS	CMN
Kinsevere phase 4	TCRC177	26	36	SST	DLS	CMN
Kinsevere phase 4	TCRC177	36	44	DLM	SST	CMN
Kinsevere phase 4	TCRC177	44	56	DLL	SLT	RATB
Kinsevere phase 4	TCRC177	56	63	SST		CMN
Kinsevere phase 4	TCRC177	63	67	DLM		CMN
Kinsevere phase 4	TCRC177	67	87	DLM	SST	CMN
Kinsevere phase 4	TCRC177	87	98	DLM	SST	CMN
Kinsevere phase 4	TCRC177	98	100	DLM	SST	CMN
Kinsevere phase 4	TCRC177	100	106	DLM	SST	CMN
Kinsevere phase 4	TCRC178	0	2	NR		
Kinsevere phase 4	TCRC178	2	12	SST		CMN
Kinsevere phase 4	TCRC178	12	42	DLM	SST	CMN
Kinsevere phase 4	TCRC178	42	52	DLH		SD
Kinsevere phase 4	TCRC178	52	74	DLH		SD
Kinsevere phase 4	TCRC178	74	80	DLH		CMN
Kinsevere phase 4	TCRC178	80	84	DLH	SST	CMN
Kinsevere phase 4	TCRC178	84	85	DLH	SST	CMN
Kinsevere phase 4	TCRC179	0	12	SOL		SOL
Kinsevere phase 4	TCRC179	12	24	DLH	SST	CMN
Kinsevere phase 4	TCRC179	24	41	SST	DLH	CMN
Kinsevere phase 4	TCRC179	41	57	DLH	SST	CMN
Kinsevere phase 4	TCRC179	57	80	DLH	SST	CMN
Kinsevere phase 4	TCRC179	80	112	SST	DLH	CMN
Kinsevere phase 4	TCRC179	112	126	DLH	SST	CMN
Kinsevere phase 4	TCRC179	126	137	DLH	SST	CMN
Kinsevere phase 4	TCRC180	0	1	NR		
Kinsevere phase 4	TCRC180	1	10	SOL		SOL
Kinsevere phase 4	TCRC180	10	31	SST	DLH	CMN
Kinsevere phase 4	TCRC180	31	43	SST	DLH	CMN
Kinsevere phase 4	TCRC180	43	60	SST	DLH	CMN
Kinsevere phase 4	TCRC180	60	62	SST		CMN
Kinsevere phase 4	TCRC180	62	71	DLH	SST	CMN
Kinsevere phase 4	TCRC180	71	76	SST		CMN
Kinsevere phase 4	TCRC180	76	150	DLH	SST	CMN
Kinsevere phase 4	TCRC181	0	2	NR		
Kinsevere phase 4	TCRC181	2	5	SOL		SOL
Kinsevere phase 4	TCRC181	5	16	DLM	SST	CMN
Kinsevere phase 4	TCRC181	16	42	DLH		SD
Kinsevere phase 4	TCRC181	42	67	DLL	SLT	GRAT
Kinsevere phase 4	TCRC181	67	71	DLL	SLT	GRAT
Kinsevere phase 4	TCRC181	71	90	DLL	SLT	GRAT
Kinsevere phase 4	TCRC181	90	106	DLL	SLT	GRAT
Kinsevere phase 4	TCRC181	106	109	SST		CMN
Kinsevere phase 4	TCRC181	109	114	DLH		SD
Kinsevere phase 4	TCRC181	114	118	SST		HBX
Kinsevere phase 4	TCRC181	118	137	DLH	SLT	SD
Kinsevere phase 4	TCRC181	137	146	SST		CMN
Kinsevere phase 4	TCRC181	146	149	SST		CMN
Kinsevere phase 4	TCRC182	0	3	NR		
Kinsevere phase 4	TCRC182	3	15	SOL		SOL
Kinsevere phase 4	TCRC182	15	19	DLL	SLT	GRAT
Kinsevere phase 4	TCRC182	19	35	DLL	SLT	GRAT
Kinsevere phase 4	TCRC182	35	43	DLL	SLT	GRAT
Kinsevere phase 4	TCRC182	43	44	SST		HBX
Kinsevere phase 4	TCRC182	44	46	SST		CMN
Kinsevere phase 4	TCRC182	46	74	SST		CMN

Kinsevere phase 4	TCRC182	74	77	DLH		CMN
Kinsevere phase 4	TCRC182	77	83	DLH		CMN
Kinsevere phase 4	TCRC182	83	88	SST		CMN
Kinsevere phase 4	TCRC182	88	98	DLH	SST	CMN
Kinsevere phase 4	TCRC182	98	110	NR		
Kinsevere phase 4	TCRC183	0	2	NR		
Kinsevere phase 4	TCRC183	2	8	SOL		SOL
Kinsevere phase 4	TCRC183	8	12	SST		CMN
Kinsevere phase 4	TCRC183	12	22	DLM		CMN
Kinsevere phase 4	TCRC183	22	29	SST		CMN
Kinsevere phase 4	TCRC183	29	31	DLM	SLT	CMN
Kinsevere phase 4	TCRC183	31	40	SST		CMN
Kinsevere phase 4	TCRC183	40	44	DLH	SLT	SD
Kinsevere phase 4	TCRC183	44	56	SST		CMN
Kinsevere phase 4	TCRC183	56	60	SST		CMN
Kinsevere phase 4	TCRC183	60	62	SST		CMN
Kinsevere phase 4	TCRC183	62	66	DLH	SST	CMN
Kinsevere phase 4	TCRC183	66	72	SST		CMN
Kinsevere phase 4	TCRC183	72	77	DLH		CMN
Kinsevere phase 4	TCRC183	77	98	SST		CMN
Kinsevere phase 4	TCRC183	98	111	DLM	SST	CMN
Kinsevere phase 4	TCRC183	111	113	NR		
Kinsevere phase 4	TCRC183	113	118	DLH	SLT	CMN
Kinsevere phase 4	TCRC183	118	122	DLM		CMN
Kinsevere phase 4	TCRC183	122	125	SST		CMN
Kinsevere phase 4	TCRC183	125	126	NR		
Kinsevere phase 4	TCRC183	126	127	SST		CMN
Kinsevere phase 4	TCRC184	0	2	NR		
Kinsevere phase 4	TCRC184	2	33	SOL		SOL
Kinsevere phase 4	TCRC184	33	46	SST		CMN
Kinsevere phase 4	TCRC184	46	48	SST		CMN
Kinsevere phase 4	TCRC184	48	55	SST		CMN
Kinsevere phase 4	TCRC184	55	59	DLM	SST	CMN
Kinsevere phase 4	TCRC184	59	70	SST		CMN
Kinsevere phase 4	TCRC184	70	76	SST		CMN
Kinsevere phase 4	TCRC185	0	2	NR		
Kinsevere phase 4	TCRC185	2	10	SLT		CMN
Kinsevere phase 4	TCRC185	10	35	DLH		SD
Kinsevere phase 4	TCRC185	35	43	DLT	SST	RATB
Kinsevere phase 4	TCRC185	43	48	DLL		GRAT
Kinsevere phase 4	TCRC185	48	49	NR		
Kinsevere phase 4	TCRC185	49	51	DLL		GRAT
Kinsevere phase 4	TCRC185	51	52	NR		
Kinsevere phase 4	TCRC185	52	78	DLL	SLT	GRAT
Kinsevere phase 4	TCRC185	78	87	DLL	SLT	GRAT
Kinsevere phase 4	TCRC185	87	116	DLL	SLT	GRAT
Kinsevere phase 4	TCRC185	116	120	DLL	SLT	GRAT
Kinsevere phase 4	TCRC185	120	143	DLM		CMN
Kinsevere phase 4	TCRC185	143	150	DLL		CMN
Kinsevere phase 4	TCRC186	0	2	NR	NR	
Kinsevere phase 4	TCRC186	2	8	SOL		SOL
Kinsevere phase 4	TCRC186	8	14	DLH	SST	SD
Kinsevere phase 4	TCRC186	14	57	DLH		SD
Kinsevere phase 4	TCRC186	57	69	DLH		SD
Kinsevere phase 4	TCRC186	69	89	DLH	SST	SD
Kinsevere phase 4	TCRC186	89	95	DLH	SST	SD
Kinsevere phase 4	TCRC186	95	101	DLH		SD
Kinsevere phase 4	TCRC187	0	1	NR		
Kinsevere phase 4	TCRC187	1	13	DLH		SD
Kinsevere phase 4	TCRC187	13	15	DLH		SD
Kinsevere phase 4	TCRC187	15	28	DLH		SD
Kinsevere phase 4	TCRC187	28	45	DLL	SLT	GRAT
Kinsevere phase 4	TCRC187	45	49	SST		CMN

Kinsevere phase 4	TCRC187	49	57	DLH	SST	CMN
Kinsevere phase 4	TCRC187	57	61	SST		CMN
Kinsevere phase 4	TCRC187	61	87	DLH	SST	SD
Kinsevere phase 4	TCRC187	87	88	DLH		SD
Kinsevere phase 4	TCRC187	88	111	DLH		SD
Kinsevere phase 4	TCRC187	111	121	DLH		CMN
Kinsevere phase 4	TCRC187	121	130	SST		CMN
Kinsevere phase 4	TCRC187	130	138	DLH		CMN
Kinsevere phase 4	TCRC187	138	147	SST		CMN
Kinsevere phase 4	TCRC187	147	148	NR		
Kinsevere phase 4	TCRC187	148	149	SST		CMN
Kinsevere phase 4	TCRC188	0	1	NR		
Kinsevere phase 4	TCRC188	1	37	DLH	SLT	SD
Kinsevere phase 4	TCRC188	37	38	DLH	SLT	SD
Kinsevere phase 4	TCRC188	38	40	DLH	SLT	SD
Kinsevere phase 4	TCRC188	40	42	DLH	SLT	SD
Kinsevere phase 4	TCRC188	42	47	DLH	SLT	SD
Kinsevere phase 4	TCRC188	47	54	DLH	SLT	SD
Kinsevere phase 4	TCRC188	54	59	DLH	DLM	SD
Kinsevere phase 4	TCRC188	59	60	DLH	DLM	SD
Kinsevere phase 4	TCRC188	60	67	DLH	SLT	SD
Kinsevere phase 4	TCRC188	67	76	DLH	SLT	SD
Kinsevere phase 4	TCRC188	76	89	DLH		SD
Kinsevere phase 4	TCRC188	89	99	DLH		SD
Kinsevere phase 4	TCRC188	99	119	DLH		SD
Kinsevere phase 4	TCRC188	119	128	SST		CMN
Kinsevere phase 4	TCRC188	128	140	DLH	SST	HBX
Kinsevere phase 4	TCRC188	140	149	SST		HBX
Kinsevere phase 4	TCRC189	0	1	NR		
Kinsevere phase 4	TCRC189	1	6	SOL		SOL
Kinsevere phase 4	TCRC189	6	20	SOL		
Kinsevere phase 4	TCRC189	20	32	DLT	DLH	SD
Kinsevere phase 4	TCRC189	32	47	DLH		SD
Kinsevere phase 4	TCRC189	47	78	DLL	SLT	GRAT
Kinsevere phase 4	TCRC189	78	121	DLL	SLT	GRAT
Kinsevere phase 4	TCRC189	121	149	DLL	SLT	GRAT
Kinsevere phase 4	TCRC190	0	7	SOL		SOL
Kinsevere phase 4	TCRC190	7	32	DLL	SLT	GRAT
Kinsevere phase 4	TCRC190	32	41	DLL		RATB
Kinsevere phase 4	TCRC190	41	55	DLL	SLT	GRAT
Kinsevere phase 4	TCRC190	55	61	DLL	SLT	RATB
Kinsevere phase 4	TCRC190	61	146	DLL	SLT	GRAT
Kinsevere phase 4	TCRC190	146	150	DLL	SLT	GRAT
Kinsevere phase 4	TCRC191	0	1	NR		
Kinsevere phase 4	TCRC191	1	13	SOL		SOL
Kinsevere phase 4	TCRC191	13	16	DLS	SST	CMN
Kinsevere phase 4	TCRC191	16	25	DLS	SST	CMN
Kinsevere phase 4	TCRC191	25	33	DLH	SST	SD
Kinsevere phase 4	TCRC191	33	78	DLL	SLT	GRAT
Kinsevere phase 4	TCRC191	78	118	DLL	SLT	GRAT
Kinsevere phase 4	TCRC191	118	150	DLL	DLM	GRAT
Kinsevere phase 4	TCRC192	0	8	SOL		SOL
Kinsevere phase 4	TCRC192	8	32	DLL	SLT	GRAT
Kinsevere phase 4	TCRC192	32	37	DLL		GRAT
Kinsevere phase 4	TCRC192	37	80	DLL	SLT	GRAT
Kinsevere phase 4	TCRC192	80	91	DLL	SLT	GRAT
Kinsevere phase 4	TCRC192	91	100	DLL		RATB
Kinsevere phase 4	TCRC192	100	112	DLL	SLT	GRAT
Kinsevere phase 4	TCRC192	112	140	DLL	SLT	GRAT
Kinsevere phase 4	TCRC193	0	2	NR		
Kinsevere phase 4	TCRC193	2	23	SOL		SOL
Kinsevere phase 4	TCRC193	23	48	SST		CMN
Kinsevere phase 4	TCRC193	48	74	DLH		CMN

Kinsevere phase 4	TCRC193	74	78	DLM		CMN
Kinsevere phase 4	TCRC193	78	83	DLH		CMN
Kinsevere phase 4	TCRC193	83	97	SST		CMN
Kinsevere phase 4	TCRC193	97	101	DLM	SST	CMN
Kinsevere phase 4	TCRC193	101	109	DLM	SST	CMN
Kinsevere phase 4	TCRC194	0	10	SOL		SOL
Kinsevere phase 4	TCRC194	10	15	SOL		SOL
Kinsevere phase 4	TCRC194	15	28	SST		CMN
Kinsevere phase 4	TCRC194	28	40	DLS		GRAT
Kinsevere phase 4	TCRC194	40	82	DLS	SLT	GRAT
Kinsevere phase 4	TCRC195	0	24	SOL		SOL
Kinsevere phase 4	TCRC195	24	32	SOL	SST	SOL
Kinsevere phase 4	TCRC195	32	79	SLT	SST	RATB
Kinsevere phase 4	TCRC195	79	101	SLT	DLM	GRAT
Kinsevere phase 4	TCRC196	0	1	NR		
Kinsevere phase 4	TCRC196	1	3	SOL		SOL
Kinsevere phase 4	TCRC196	3	13	SLT	DLM	GRAT
Kinsevere phase 4	TCRC196	13	22	SLT	DLM	GRAT
Kinsevere phase 4	TCRC196	22	49	SLT	DLM	GRAT
Kinsevere phase 4	TCRC196	49	85	SLT	DLM	GRAT
Kinsevere phase 4	TCRC196	85	127	SLT	DLM	GRAT
Kinsevere phase 4	TCRC196	127	150	SLT	DLM	GRAT
Kinsevere phase 4	TCRC197	0	19	SOL		SOL
Kinsevere phase 4	TCRC197	19	30	SOL		SOL
Kinsevere phase 4	TCRC197	30	47	SLT	DLM	GRAT
Kinsevere phase 4	TCRC197	47	96	SLT	CBS	CMN
Kinsevere phase 4	TCRC197	96	101	SLT	DLM	GRAT
Kinsevere phase 4	TCRC197	101	110	SST	CBS	CMN
Kinsevere phase 4	TCRC198	0	34	SOL		SOL
Kinsevere phase 4	TCRC198	34	49	SLT	SST	HBX
Kinsevere phase 4	TCRC198	49	87	SLT	DLM	GRAT
Kinsevere phase 4	TCRC198	87	97	SLT	DLM	GRAT
Kinsevere phase 4	TCRC198	97	109	SLT	DLM	GRAT
Kinsevere phase 4	TCRC199	0	1	NR		
Kinsevere phase 4	TCRC199	1	16	SOL		SOL
Kinsevere phase 4	TCRC199	16	28	SOL		SOL
Kinsevere phase 4	TCRC199	28	49	SST	SLT	CMN
Kinsevere phase 4	TCRC199	49	50	SST	SLT	CMN
Kinsevere phase 4	TCRC200	0	10	SOL		
Kinsevere phase 4	TCRC200	10	91	SLT	DLM	
Kinsevere phase 4	TCRC200	91	110	SLT	SST	
Kinsevere phase 4	TCRC200	110	127	SLT	SST	
Kinsevere phase 4	TCRC200	127	128	NR		
Kinsevere phase 4	TCRC200	128	145	SLT	SST	
Kinsevere phase 4	TCRC200	145	146	SLT	SST	
Kinsevere phase 4	TCRC200	146	150	SLT	SST	
Kinsevere phase 4	TCRC201	0	27	SOL		SOL
Kinsevere phase 4	TCRC201	27	66	SLT	SST	GRAT
Kinsevere phase 4	TCRC201	66	150	SLT	SST	Ku
Kinsevere phase 4	TCRC202	0	22	SOL		SOL
Kinsevere phase 4	TCRC202	22	29	SOL		SOL
Kinsevere phase 4	TCRC202	29	40	SLT	SST	UNK
Kinsevere phase 4	TCRC202	40	127	SLT	SST	RATB
Kinsevere phase 4	TCRC202	127	131	SLT	SST	HBX
Kinsevere phase 4	TCRC202	131	150	SLT	SST	HBX
Kinsevere phase 4	TCRC203	0	7	SOL		SOL
Kinsevere phase 4	TCRC203	7	15	SLT	CBL	CMN
Kinsevere phase 4	TCRC203	15	18	SLT	SST	GRAT
Kinsevere phase 4	TCRC203	18	25	SLT	SST	GRAT
Kinsevere phase 4	TCRC203	25	43	SLT	SST	GRAT
Kinsevere phase 4	TCRC203	43	67	SST	SLT	HBX
Kinsevere phase 4	TCRC203	67	133	DLS		GRAT
Kinsevere phase 4	TCRD001	0	10	Dump		OVB

Kinsevere phase 4	TCRD001	10	34	DLH		CMN
Kinsevere phase 4	TCRD001	34	35	DLM		CMN
Kinsevere phase 4	TCRD001	35	43	CSH		RAT
Kinsevere phase 4	TCRD001	43	52	DLH		CMN
Kinsevere phase 4	TCRD001	52	70	CBM		CMN
Kinsevere phase 4	TCRD001	70	100.5	CBM		CMN
Kinsevere phase 4	TCRD001	100.5	126	SLT	DLM	CMN
Kinsevere phase 4	TCRD001	126	137	SLT	SHA	CMN
Kinsevere phase 4	TCRD001	137	172	SLT	DLM	CMN
Kinsevere phase 4	TCRD001	172	179.3	HBX		RATB
Kinsevere phase 4	TCRD001	179.3	205	SLT	DLS	CMN
Kinsevere phase 4	TCRD001	205	208	SLT	SHA	CMN
Kinsevere phase 4	TCRD001	208	229	SLT	DLS	CMN
Kinsevere phase 4	TCRD001	229	230.25	SLT	SHA	CMN
Kinsevere phase 4	TCRD001	230.25	249	SLT	DLT	CMN
Kinsevere phase 4	TCRD001	249	254.60001	SLT	SHA	CMN
Kinsevere phase 4	TCRD001	254.60001	280.79999	SLT	DLS	CMN
Kinsevere phase 4	TCRD001DT	100.5	126	SLT	DLM	CMN
Kinsevere phase 4	TCRD001DT	126	137	SLT	SHA	CMN
Kinsevere phase 4	TCRD001DT	137	172	SLT	DLM	CMN
Kinsevere phase 4	TCRD001DT	172	179.3	HBX		RATB
Kinsevere phase 4	TCRD001DT	179.3	205	SLT	DLS	CMN
Kinsevere phase 4	TCRD001DT	205	208	SLT	SHA	CMN
Kinsevere phase 4	TCRD001DT	208	229	SLT	DLS	CMN
Kinsevere phase 4	TCRD001DT	229	230.25	SLT	SHA	CMN
Kinsevere phase 4	TCRD001DT	230.25	249	SLT	DLT	CMN
Kinsevere phase 4	TCRD001DT	249	254.60001	SLT	SHA	CMN
Kinsevere phase 4	TCRD001DT	254.60001	280.79999	SLT	DLS	CMN
Kinsevere phase 4	TCRD002	0	9	SOL		SOL
Kinsevere phase 4	TCRD002	9	17	CSS		CMN
Kinsevere phase 4	TCRD002	17	23	CBM		CMN
Kinsevere phase 4	TCRD002	23	26	CBS		CMN
Kinsevere phase 4	TCRD002	26	27	CBM		CMN
Kinsevere phase 4	TCRD002	27	33	CBM		CMN
Kinsevere phase 4	TCRD002	33	50	CBM		CMN
Kinsevere phase 4	TCRD002	50	57	CBS		CMN
Kinsevere phase 4	TCRD002	57	69	CBM		CMN
Kinsevere phase 4	TCRD002	69	75	BRC		CMN
Kinsevere phase 4	TCRD002	75	96	CBM		CMN
Kinsevere phase 4	TCRD002	96	100	CBM		CMN
Kinsevere phase 4	TCRD002	100	111	CBM		CMN
Kinsevere phase 4	TCRD002	111	118	CSS		CMN
Kinsevere phase 4	TCRD002	118	124	CBM		CMN
Kinsevere phase 4	TCRD002	124	130	BRC		CMN
Kinsevere phase 4	TCRD003	0	1	NR		NR
Kinsevere phase 4	TCRD003	1	11	DLH		SD
Kinsevere phase 4	TCRD003	11	13	DLH		SD
Kinsevere phase 4	TCRD003	13	16	DLH		SD
Kinsevere phase 4	TCRD003	16	39	DLH		SD
Kinsevere phase 4	TCRD003	39	43	DLH		SD
Kinsevere phase 4	TCRD003	43	129	DLH		SD
Kinsevere phase 4	TCRD003	129	139	DLH		SD
Kinsevere phase 4	TCRD003	139	140	DLH		SD
Kinsevere phase 4	TCRD003	140	141.39999	SLT	SHA	SD2b2c
Kinsevere phase 4	TCRD003	141.39999	159.3	SLT	SHA	SD2d
Kinsevere phase 4	TCRD003	159.3	167.8	SLT	DLM	SD2d
Kinsevere phase 4	TCRD003	167.8	181.5	SLT	SHA	SD3a
Kinsevere phase 4	TCRD003	181.5	190	SLT	SHA	SD3b
Kinsevere phase 4	TCRD003	190	244.8	SLT	SHA	SD3b
Kinsevere phase 4	TCRD003	244.8	299	SLT	DLM	CMN
Kinsevere phase 4	TCRD003	299	318.70001	SLT	DLS	CMN
Kinsevere phase 4	TCRD003	318.70001	331.5	SLT	SHA	CMN
Kinsevere phase 4	TCRD003	331.5	336	SLT	DLM	CMN

Kinsevere phase 4	TCRD003	336	363.39999	SLT	DLM	CMN
Kinsevere phase 4	TCRD003	363.39999	373.10001	SLT	DLM	CMN
Kinsevere phase 4	TCRD003	373.10001	378.64999	SLT	DLM	CMN
Kinsevere phase 4	TCRD003	378.64999	409.60001	SLT	SLT	RRAT
Kinsevere phase 4	TCRD003DT	138.60001	150.2	SHC		SD
Kinsevere phase 4	TCRD003DT	150.2	152.78	SHDL		SD
Kinsevere phase 4	TCRD003DT	152.78	154	SHC	CARS	SD
Kinsevere phase 4	TCRD003DT	154	156.09	SHDL		SD
Kinsevere phase 4	TCRD003DT	156.09	163.34	SHC	SHDL	SD
Kinsevere phase 4	TCRD003DT	163.34	165	SHDL	DLH	SD
Kinsevere phase 4	TCRD003DT	165	169.89999	SHC	DLC	SD
Kinsevere phase 4	TCRD003DT	169.89999	313.70001	SHC	CARS	SD
Kinsevere phase 4	TCRD003DT	313.70001	317.54999	DLM		SD
Kinsevere phase 4	TCRD003DT	317.54999	345.79999	SHC	DLC	SD
Kinsevere phase 4	TCRD003DT	345.79999	348.39999	QZ		UNK
Kinsevere phase 4	TCRD003DT	348.39999	364.20001	CARS	DLB	SD
Kinsevere phase 4	TCRD003DT	364.20001	366.73001	DLH		RSF
Kinsevere phase 4	TCRD003DT	366.73001	373.10001	DLB		DSTR
Kinsevere phase 4	TCRD003DT	373.10001	374.56	ARG	DARG	GRAT
Kinsevere phase 4	TCRD003DT	374.56	378.63	ARG	DARG	GRAT
Kinsevere phase 4	TCRD003DT	378.63	379.23001	ARG		GRAT
Kinsevere phase 4	TCRD003DT	379.23001	389.20001	ARG		GRAT
Kinsevere phase 4	TCRD003DT	389.20001	409.60001	ARG		RRAT
Kinsevere phase 4	TCRD004	0	2	SOL		SOL
Kinsevere phase 4	TCRD004	2	7	DLM		RAT
Kinsevere phase 4	TCRD004	7	78	DLM		RAT
Kinsevere phase 4	TCRD004	78	83	DLM		RAT
Kinsevere phase 4	TCRD004	83	107	DLM		RAT
Kinsevere phase 4	TCRD004	107	137.5	DLM		RAT
Kinsevere phase 4	TCRD004DT	137.5	161.34	SLT	SLT	RAT
Kinsevere phase 4	TCRD004DT	161.34	170.42	SLT	SLT	RAT
Kinsevere phase 4	TCRD004DT	170.42	176.3	SLT	SLT	RAT
Kinsevere phase 4	TCRD004DT	176.3	182	SLT	SLT	RAT
Kinsevere phase 4	TCRD004DT	182	219.8	SLT	SLT	RAT
Kinsevere phase 4	TCRD004DT	219.8	248	SLT	SLT	RAT
Kinsevere phase 4	TCRD004DT	248	251	SLT	SLT	RATB
Kinsevere phase 4	TCRD005	0	2	SOL		SOL
Kinsevere phase 4	TCRD005	2	3	SOL		SOL
Kinsevere phase 4	TCRD005	3	7	DLM		RAT
Kinsevere phase 4	TCRD005	7	13	DLH		RAT
Kinsevere phase 4	TCRD005	13	40	DLH		RAT
Kinsevere phase 4	TCRD005	40	140	DLH		RAT
Kinsevere phase 4	TCRD006	0	5	SOL		SOL
Kinsevere phase 4	TCRD006	5	20	DLH		RAT
Kinsevere phase 4	TCRD006	20	40	DLH		RRAT
Kinsevere phase 4	TCRD006	40	43	BARG		RAT
Kinsevere phase 4	TCRD006	43	47	DLM		RAT
Kinsevere phase 4	TCRD006	47	50	DLS		DSTR
Kinsevere phase 4	TCRD006	50	51	DLS		RSF
Kinsevere phase 4	TCRD006	51	62	DLH		SD
Kinsevere phase 4	TCRD006	62	67	DLH		SD
Kinsevere phase 4	TCRD006	67	83	DLH		SD
Kinsevere phase 4	TCRD006	83	130	DLH		SD
Kinsevere phase 4	TCRD006	130	140	DLH		SD
Kinsevere phase 4	TCRD006DT	140	140.10001	SLT	SLT	SD
Kinsevere phase 4	TCRD006DT	140.10001	143.38	SLT	DLM	CMN
Kinsevere phase 4	TCRD006DT	143.38	143.74001	SLT		RAT
Kinsevere phase 4	TCRD006DT	143.74001	145	SLT	DLM	CMN
Kinsevere phase 4	TCRD006DT	145	147.72	SLT	SLT	RAT
Kinsevere phase 4	TCRD006DT	147.72	156.39	SLT	SLT	RAT
Kinsevere phase 4	TCRD006DT	156.39	177	SLT	SLT	RAT
Kinsevere phase 4	TCRD006DT	177	200	SLT	SLT	RAT
Kinsevere phase 4	TCRD007	0	4	SOL		SOL

Kinsevere phase 4	TCRD007	4	60	DLM		RAT
Kinsevere phase 4	TCRD007	60	65	DLM		RAT
Kinsevere phase 4	TCRD007	65	83	DLM		RAT
Kinsevere phase 4	TCRD007	83	106	DLM		RAT
Kinsevere phase 4	TCRD007	106	118	DLM		RAT
Kinsevere phase 4	TCRD007	118	134	DLS		DSTR
Kinsevere phase 4	TCRD007	134	137	DLS		RSF
Kinsevere phase 4	TCRD007	137	140.5	DLM		SDB
Kinsevere phase 4	TCRD007	140.5	152	SLT		SD
Kinsevere phase 4	TCRD007	152	158.86	SLT		SD
Kinsevere phase 4	TCRD007	158.86	161.23	SLT		SD
Kinsevere phase 4	TCRD007	161.23	170.2	SLT		SD
Kinsevere phase 4	TCRD007	170.2	174	SLT		SD
Kinsevere phase 4	TCRD007	174	187	UNK	SLT	SD
Kinsevere phase 4	TCRD007	187	190.2	SLT		SD
Kinsevere phase 4	TCRD007	190.2	198	SLT		SD
Kinsevere phase 4	TCRD007	198	284.60001	NR	NR	NR
Kinsevere phase 4	TCRD007DT	140.5	152	SLT		SD
Kinsevere phase 4	TCRD007DT	152	158.86	SLT		SD
Kinsevere phase 4	TCRD007DT	158.86	161.23	SLT		SD
Kinsevere phase 4	TCRD007DT	161.23	171.39999	SLT		SD
Kinsevere phase 4	TCRD007DT	171.39999	174	SLT		SD
Kinsevere phase 4	TCRD007DT	174	176	SLT		SD
Kinsevere phase 4	TCRD007DT	176	187	SLT		SD
Kinsevere phase 4	TCRD007DT	187	190.2	SLT		SD
Kinsevere phase 4	TCRD007DT	190.2	198	SLT		SD
Kinsevere phase 4	TCRD007DT	198	206	NR		NR
Kinsevere phase 4	TCRD008	0	3	SOL		SOL
Kinsevere phase 4	TCRD008	3	45	DLM		RRAT
Kinsevere phase 4	TCRD008	45	140	DLM		RRAT
Kinsevere phase 4	TCRD009	0	5	SOL		SOL
Kinsevere phase 4	TCRD009	5	8	SOL		SOL
Kinsevere phase 4	TCRD009	8	16	DLM		RAT
Kinsevere phase 4	TCRD009	16	34	DLM		RAT
Kinsevere phase 4	TCRD009	34	35	HBX		RAT
Kinsevere phase 4	TCRD009	35	42	CBS		CMN
Kinsevere phase 4	TCRD009	42	46	CSH		CMN
Kinsevere phase 4	TCRD009	46	50	CBS		CMN
Kinsevere phase 4	TCRD009	50	64	CSH		CMN
Kinsevere phase 4	TCRD009	64	65	NR		NR
Kinsevere phase 4	TCRD009	65	71	CBS		CMN
Kinsevere phase 4	TCRD009	71	87	CSH		CMN
Kinsevere phase 4	TCRD009	87	107	CBM		CMN
Kinsevere phase 4	TCRD009	107	109	CBS		CMN
Kinsevere phase 4	TCRD009	109	115	NR		NR
Kinsevere phase 4	TCRD009DT	115	121.69	SLT		CMN
Kinsevere phase 4	TCRD009DT	121.69	126	SLT		CMN
Kinsevere phase 4	TCRD009DT	126	134.89999	SLT		CMN
Kinsevere phase 4	TCRD009DT	134.89999	138.08	SLT		CMN
Kinsevere phase 4	TCRD009DT	138.08	140.10001	SLT		CMN
Kinsevere phase 4	TCRD009DT	140.10001	143.27	SLT		CMN
Kinsevere phase 4	TCRD009DT	143.27	148.48	SLT		CMN
Kinsevere phase 4	TCRD009DT	148.48	157.38	SLT		CMN
Kinsevere phase 4	TCRD009DT	157.38	160.38	SLT		CMN
Kinsevere phase 4	TCRD009DT	160.38	170.8	SLT		CMN
Kinsevere phase 4	TCRD009DT	170.8	173.10001	SLT		CMN
Kinsevere phase 4	TCRD009DT	173.10001	177.12	SLT		CMN
Kinsevere phase 4	TCRD009DT	177.12	182.64	SLT		CMN
Kinsevere phase 4	TCRD009DT	182.64	187.63	SLT		CMN
Kinsevere phase 4	TCRD009DT	187.63	193.45	SLT		CMN
Kinsevere phase 4	TCRD009DT	193.45	202.35001	SLT		CMN
Kinsevere phase 4	TCRD009DT	202.35001	212.14999	SLT		CMN
Kinsevere phase 4	TCRD009DT	212.14999	217	SLT		CMN

Kinsevere phase 4	TCRD009DT	217	220.28	SLT		CMN
Kinsevere phase 4	TCRD009DT	220.28	237.36	SLT		CMN
Kinsevere phase 4	TCRD009DT	237.36	244	SLT		CMN
Kinsevere phase 4	TCRD009DT	244	253.22	SLT		RAT
Kinsevere phase 4	TCRD009DT	253.22	265.17999	SLT		CMN
Kinsevere phase 4	TCRD009DT	265.17999	273.56	SLT		CMN
Kinsevere phase 4	TCRD009DT	273.56	278.39999	SLT		CMN
Kinsevere phase 4	TCRD009DT	278.39999	283	SLT		CMN
Kinsevere phase 4	TCRD009DT	283	287.10001	SLT		CMN
Kinsevere phase 4	TCRD009DT	287.10001	291.32999	SLT		CMN
Kinsevere phase 4	TCRD009DT	291.32999	301.45001	SLT		CMN
Kinsevere phase 4	TCRD009DT	301.45001	313	SLT		CMN
Kinsevere phase 4	TCRD009DT	313	328	SLT		CMN
Kinsevere phase 4	TCRD009DT	328	336	SLT		CMN
Kinsevere phase 4	TCRD009DT	336	344.10001	SLT		CMN
Kinsevere phase 4	TCRD009DT	344.10001	350.64001	SLT		CMN
Kinsevere phase 4	TCRD009DT	350.64001	353.64001	SLT		CMN
Kinsevere phase 4	TCRD009DT	353.64001	357.62	SLT		CMN
Kinsevere phase 4	TCRD009DT	357.62	365	SLT		CMN
Kinsevere phase 4	TCRD009DT	365	366	SLT		RAT
Kinsevere phase 4	TCRD009DT	366	372.95001	SLT		RAT
Kinsevere phase 4	TCRD009DT	372.95001	392.10001	SLT		RAT
Kinsevere phase 4	TCRD010	0	1	NR		NR
Kinsevere phase 4	TCRD010	1	12	SOL		CMN
Kinsevere phase 4	TCRD010	12	27	CBS		RAT
Kinsevere phase 4	TCRD010	27	37	DLM		CMN
Kinsevere phase 4	TCRD010	37	40	CSS		CMN
Kinsevere phase 4	TCRD010	40	45	CBM		CMN
Kinsevere phase 4	TCRD010	45	49	CSS		CMN
Kinsevere phase 4	TCRD010	49	53	CSS		CMN
Kinsevere phase 4	TCRD010	53	55	CSS		CMN
Kinsevere phase 4	TCRD010	55	100	CBM		CMN
Kinsevere phase 4	TCRD010	100	201	SLT	CBS	CMN
Kinsevere phase 4	TCRD010	201	232	SLT	CBS	CMN
Kinsevere phase 4	TCRD010	232	293	SLT	CBS	CMN
Kinsevere phase 4	TCRD010	293	311	SLT	CBS	CMN
Kinsevere phase 4	TCRD010	311	318.5	SLT	CBS	CMN
Kinsevere phase 4	TCRD010	318.5	366	SLT	CBS	CMN
Kinsevere phase 4	TCRD010	366	373.5	SLT	CBS	CMN
Kinsevere phase 4	TCRD010	373.5	388	SLT	CBS	CMN
Kinsevere phase 4	TCRD010	388	398	SLT	CBS	CMN
Kinsevere phase 4	TCRD010	398	450	DLM		GRAT
Kinsevere phase 4	TCRD011	0	1	NR		NR
Kinsevere phase 4	TCRD011	1	8	SOL		SOL
Kinsevere phase 4	TCRD011	8	15	DLH		SD
Kinsevere phase 4	TCRD011	15	18	DLH		SD
Kinsevere phase 4	TCRD011	18	21	DBX		SD
Kinsevere phase 4	TCRD011	21	26	CBS		CMN
Kinsevere phase 4	TCRD011	26	34	CBS		CMN
Kinsevere phase 4	TCRD011	34	70	CBM		CMN
Kinsevere phase 4	TCRD011DT	70	90.099998	SLT		CMN
Kinsevere phase 4	TCRD011DT	90.099998	102	SLT		CMN
Kinsevere phase 4	TCRD011DT	102	132	SLT		CMN
Kinsevere phase 4	TCRD011DT	132	147	SLT		CMN
Kinsevere phase 4	TCRD011DT	147	156	SLT		CMN
Kinsevere phase 4	TCRD011DT	156	176	SLT		CMN
Kinsevere phase 4	TCRD011DT	176	191	SLT		CMN
Kinsevere phase 4	TCRD011DT	191	200	SLT		CMN
Kinsevere phase 4	TCRD011DT	200	232	SLT		CMN
Kinsevere phase 4	TCRD011DT	232	266	SLT		CMN
Kinsevere phase 4	TCRD011DT	266	289	SLT		CMN
Kinsevere phase 4	TCRD011DT	289	329	SLT		CMN
Kinsevere phase 4	TCRD011DT	329	349	SLT		CMN

Kinsevere phase 4	TCRD011DT	349	383.5	SLT		CMN
Kinsevere phase 4	TCRD012	0	1	NR		NR
Kinsevere phase 4	TCRD012	1	7	SOL		SOL
Kinsevere phase 4	TCRD012	7	22	CBL		CMN
Kinsevere phase 4	TCRD012	22	42	CSS		CMN
Kinsevere phase 4	TCRD012	42	69	CSS		CMN
Kinsevere phase 4	TCRD012	69	79	DLH		CMN
Kinsevere phase 4	TCRD012	79	83	DLH		CMN
Kinsevere phase 4	TCRD012	83	100	DLH		CMN
Kinsevere phase 4	TCRD012	100	201	SLT	CBS	CMN
Kinsevere phase 4	TCRD012	201	232	SLT	CBS	CMN
Kinsevere phase 4	TCRD012	232	293	SLT	CBS	CMN
Kinsevere phase 4	TCRD012	293	311	SLT	CBS	CMN
Kinsevere phase 4	TCRD012	311	318.5	SLT	CBS	CMN
Kinsevere phase 4	TCRD012	318.5	366	SLT	CBS	CMN
Kinsevere phase 4	TCRD012	366	373.5	SLT	CBS	CMN
Kinsevere phase 4	TCRD012	373.5	388	SLT	CBS	CMN
Kinsevere phase 4	TCRD012	388	398	SLT	CBS	CMN
Kinsevere phase 4	TCRD012	398	450	DLM		RATB
Kinsevere phase 4	TCRD013	0	1	NR		NR
Kinsevere phase 4	TCRD013	1	9	SOL		SOL
Kinsevere phase 4	TCRD013	9	46	DLH		SD3a
Kinsevere phase 4	TCRD013	46	54	DLH		SD3a
Kinsevere phase 4	TCRD013	54	61	DLH		SD2d
Kinsevere phase 4	TCRD013	61	62	DLH		SD2d
Kinsevere phase 4	TCRD013	62	140	DLH		SD2d
Kinsevere phase 4	TCRD014	0	8	SOL		SOL
Kinsevere phase 4	TCRD014	8	18	CSS		CMN
Kinsevere phase 4	TCRD014	18	21	CSS		CMN
Kinsevere phase 4	TCRD014	21	25	CBM		CMN
Kinsevere phase 4	TCRD014	25	28	CSS		CMN
Kinsevere phase 4	TCRD014	28	34	CBM		CMN
Kinsevere phase 4	TCRD014	34	38	CSS		CMN
Kinsevere phase 4	TCRD014	38	45	CBM		CMN
Kinsevere phase 4	TCRD014	45	48	BARG		CMN
Kinsevere phase 4	TCRD014	48	60	DLM		RATB
Kinsevere phase 4	TCRD014	60	61	NR		NR
Kinsevere phase 4	TCRD015	0	2	NR		NR
Kinsevere phase 4	TCRD015	2	7	SOL		SOL
Kinsevere phase 4	TCRD015	7	25	DLH		SD3a
Kinsevere phase 4	TCRD015	25	31	DLH		SD3a
Kinsevere phase 4	TCRD015	31	32	NR		NR
Kinsevere phase 4	TCRD015	32	62	DLH		SD3a
Kinsevere phase 4	TCRD015	62	63	NR		NR
Kinsevere phase 4	TCRD015	63	70	DLH		SD3b
Kinsevere phase 4	TCRD015	70	77	CBX		CMN
Kinsevere phase 4	TCRD016	0	1	NR		NR
Kinsevere phase 4	TCRD016	1	9	SOL		SOL
Kinsevere phase 4	TCRD016	9	20	DLM		RAT
Kinsevere phase 4	TCRD016	20	40	DLM		RAT
Kinsevere phase 4	TCRD016	40	56	CSS		CMN
Kinsevere phase 4	TCRD016	56	57	NR		CMN
Kinsevere phase 4	TCRD016	57	82	CSS		CMN
Kinsevere phase 4	TCRD016	82	85	CBM		CMN
Kinsevere phase 4	TCRD016DT	85	94.599998	SLT	CARG	CMN
Kinsevere phase 4	TCRD016DT	94.599998	109.6	SLT		CMN
Kinsevere phase 4	TCRD016DT	109.6	124.4	SLT	SHA	CMN
Kinsevere phase 4	TCRD016DT	124.4	148.10001	SLT	SHA	CMN
Kinsevere phase 4	TCRD016DT	148.10001	151.10001	SLT	SHA	CMN
Kinsevere phase 4	TCRD016DT	151.10001	180	SLT	SHA	CMN
Kinsevere phase 4	TCRD016DT	180	199	SLT		CMN
Kinsevere phase 4	TCRD016DT	199	215.75	SLT		CMN
Kinsevere phase 4	TCRD016DT	215.75	225.3	SLT		CMN

Kinsevere phase 4	TCRD016DT	225.3	234	SLT		CMN
Kinsevere phase 4	TCRD016DT	234	241	SLT		CMN
Kinsevere phase 4	TCRD016DT	241	276	SLT		CMN
Kinsevere phase 4	TCRD016DT	276	288.73999	SLT		CMN
Kinsevere phase 4	TCRD016DT	288.73999	297.39999	SLT		GRAT
Kinsevere phase 4	TCRD016DT	297.39999	308.10001	SLT		GRAT
Kinsevere phase 4	TCRD017	0	5	SOL		SOL
Kinsevere phase 4	TCRD017	5	108	DLH		SD3a
Kinsevere phase 4	TCRD017	108	110	DLH		SD3a
Kinsevere phase 4	TCRD017	110	140	DLH		SD3b
Kinsevere phase 4	TCRD017	140	177	DLH		CMN
Kinsevere phase 4	TCRD017	177	202.39999	DLL		CMN
Kinsevere phase 4	TCRD017	202.39999	231	DLL	DLM	CMN
Kinsevere phase 4	TCRD017	231	334.20001	DLL		CMN
Kinsevere phase 4	TCRD017	334.20001	346.10001	DLL		CMN
Kinsevere phase 4	TCRD017	346.10001	403.5	DLL		CMN
Kinsevere phase 4	TCRD017	403.5	404.60001	DLL		CMN
Kinsevere phase 4	TCRD017	404.60001	430.39999	DLL		CMN
Kinsevere phase 4	TCRD018	0	2	NR		SOL
Kinsevere phase 4	TCRD018	2	10	SOL		SD
Kinsevere phase 4	TCRD018	10	18	DLH		CMN
Kinsevere phase 4	TCRD018	18	42	CSH		CMN
Kinsevere phase 4	TCRD018	42	48	CSH		CMN
Kinsevere phase 4	TCRD018	48	54	CSH		CMN
Kinsevere phase 4	TCRD018	54	60	CBM		CMN
Kinsevere phase 4	TCRD018	60	69	CBM		CMN
Kinsevere phase 4	TCRD018	69	80	CSH		CMN
Kinsevere phase 4	TCRD018DT	81.300003	84	SLT	SHA	CMN
Kinsevere phase 4	TCRD018DT	84	91.199997	SLT	SHA	CMN
Kinsevere phase 4	TCRD018DT	91.199997	93.5	SLT	SHA	CMN
Kinsevere phase 4	TCRD018DT	93.5	96	SLT	SLT	CMN
Kinsevere phase 4	TCRD018DT	96	105.5	SLT	SHA	CMN
Kinsevere phase 4	TCRD018DT	105.5	111.3	SLT	SLT	CMN
Kinsevere phase 4	TCRD018DT	111.3	114.7	SLT	SLT	CMN
Kinsevere phase 4	TCRD018DT	114.7	122.05	SLT	SLT	CMN
Kinsevere phase 4	TCRD018DT	122.05	127	SLT	SLT	CMN
Kinsevere phase 4	TCRD018DT	127	132.60001	SLT	SLT	CMN
Kinsevere phase 4	TCRD018DT	132.60001	137	SLT	SLT	CMN
Kinsevere phase 4	TCRD018DT	137	143	SLT	SLT	CMN
Kinsevere phase 4	TCRD018DT	143	146.7	SLT	SLT	CMN
Kinsevere phase 4	TCRD018DT	146.7	168.7	SLT	SLT	CMN
Kinsevere phase 4	TCRD018DT	168.7	170	SLT	SLT	CMN
Kinsevere phase 4	TCRD018DT	170	176	SLT	SLT	CMN
Kinsevere phase 4	TCRD018DT	176	182	SLT	SLT	CMN
Kinsevere phase 4	TCRD018DT	182	189	SLT	SLT	CMN
Kinsevere phase 4	TCRD018DT	189	195.67999	SLT	SLT	CMN
Kinsevere phase 4	TCRD018DT	195.67999	204.39999	SLT	SLT	CMN
Kinsevere phase 4	TCRD018DT	204.39999	210	SLT	SLT	CMN
Kinsevere phase 4	TCRD018DT	210	220.10001	SLT	SLT	CMN
Kinsevere phase 4	TCRD018DT	220.10001	237.32001	SLT	SLT	CMN
Kinsevere phase 4	TCRD018DT	237.32001	258.39001	SLT	SLT	CMN
Kinsevere phase 4	TCRD018DT	258.39001	262.63	SLT	SLT	CMN
Kinsevere phase 4	TCRD018DT	262.63	276.89999	SLT	SLT	CMN
Kinsevere phase 4	TCRD018DT	276.89999	282	SLT	SLT	CMN
Kinsevere phase 4	TCRD018DT	282	295	SLT	SLT	CMN
Kinsevere phase 4	TCRD018DT	295	305	SLT	SLT	CMN
Kinsevere phase 4	TCRD018DT	305	314.14999	SLT	SLT	CMN
Kinsevere phase 4	TCRD018DT	314.14999	319.42999	SLT	SLT	CMN
Kinsevere phase 4	TCRD018DT	319.42999	327	SLT	SLT	CMN
Kinsevere phase 4	TCRD018DT	327	337.57999	SLT	SLT	CMN
Kinsevere phase 4	TCRD018DT	337.59	344	SLT	SLT	CMN
Kinsevere phase 4	TCRD018DT	344	376.34	SLT	SLT	CMN
Kinsevere phase 4	TCRD018DT	376.34	391	SLT	SLT	CMN

Kinsevere phase 4	TCRD018DT	391	394	SLT	SLT	CMN
Kinsevere phase 4	TCRD018DT	394	396	SLT	SLT	CMN
Kinsevere phase 4	TCRD018DT	396	401.04999	SLT	SLT	CMN
Kinsevere phase 4	TCRD018DT	401.04999	420.70001	SLT	SLT	RATB
Kinsevere phase 4	TCRD019	0	2	NR		NR
Kinsevere phase 4	TCRD019	2	12	SOL		SOL
Kinsevere phase 4	TCRD019	12	30	DLH		SD
Kinsevere phase 4	TCRD019	30	47	CSS		CMN
Kinsevere phase 4	TCRD019	47	64	CBM		CMN
Kinsevere phase 4	TCRD019	64	69	CSS		CMN
Kinsevere phase 4	TCRD019	69	72	CBM		CMN
Kinsevere phase 4	TCRD019	72	82	CSS		CMN
Kinsevere phase 4	TCRD019	82	100	CBM		CMN
Kinsevere phase 4	TCRD019	100	112	SLT	SST	GRAT
Kinsevere phase 4	TCRD019	112	121	SLT	DLM	GRAT
Kinsevere phase 4	TCRD019	121	127	SST	CBS	CMN
Kinsevere phase 4	TCRD019	127	139	SLT	CBS	CMN
Kinsevere phase 4	TCRD019	139	160	SST	SLT	CMN
Kinsevere phase 4	TCRD019	160	161.5	SLT	DLM	GRAT
Kinsevere phase 4	TCRD020	0	7	SOL		SOL
Kinsevere phase 4	TCRD020	7	42	DLH		SD
Kinsevere phase 4	TCRD020	42	43	NR		NR
Kinsevere phase 4	TCRD020	43	50	DLH		SD
Kinsevere phase 4	TCRD020	50	55	DLH		SD
Kinsevere phase 4	TCRD020	55	58	DLS		RSF
Kinsevere phase 4	TCRD020	58	64	DLM		DSTR
Kinsevere phase 4	TCRD020	64	67	DLM		RAT
Kinsevere phase 4	TCRD020	67	100	DLM		RAT
Kinsevere phase 4	TCRD020	100	140	DBX		RAT
Kinsevere phase 4	TCRD021	0	2	Dump		OVB
Kinsevere phase 4	TCRD021	2	5	DLM		DSTR
Kinsevere phase 4	TCRD021	5	10	DLS		RSF
Kinsevere phase 4	TCRD021	10	43	DLM		SDB
Kinsevere phase 4	TCRD021	43	84	DLM		SD
Kinsevere phase 4	TCRD021	84	100	DLM		SD
Kinsevere phase 4	TCRD021DT	101	120.6	SLT		SD
Kinsevere phase 4	TCRD021DT	120.6	173	SLT		CMN
Kinsevere phase 4	TCRD021DT	173	212	SLT		CMN
Kinsevere phase 4	TCRD021DT	212	258.29999	SLT		CMN
Kinsevere phase 4	TCRD022	0	1	NR		NR
Kinsevere phase 4	TCRD022	1	8	SOL		SOL
Kinsevere phase 4	TCRD022	8	45	DLM		RAT
Kinsevere phase 4	TCRD022	45	96	DLM		RAT
Kinsevere phase 4	TCRD023	0	5	SOL		NR
Kinsevere phase 4	TCRD023	5	20	DLM		RAT
Kinsevere phase 4	TCRD023	20	140	DLM		RAT
Kinsevere phase 4	TCRD024	0	1	NR		NR
Kinsevere phase 4	TCRD024	1	6	SOL		SOL
Kinsevere phase 4	TCRD024	6	7	NR		NR
Kinsevere phase 4	TCRD024	7	14	SOL		SOL
Kinsevere phase 4	TCRD024	14	42	DLH		SD3a
Kinsevere phase 4	TCRD024	42	47	DLH		SD3a
Kinsevere phase 4	TCRD024	47	56	DLH		SD3a
Kinsevere phase 4	TCRD024	56	86	DLH		SD2d
Kinsevere phase 4	TCRD024	86	88	NR		
Kinsevere phase 4	TCRD024	88	188.5	SLT	CBS	CMN
Kinsevere phase 4	TCRD024	188.5	260.5	SLT	CBS	CMN
Kinsevere phase 4	TCRD024	260.5	266	SLT	CBS	CMN
Kinsevere phase 4	TCRD024	266	290.5	SLT	CBS	CMN
Kinsevere phase 4	TCRD024	290.5	294.5	SLT	CBS	CMN
Kinsevere phase 4	TCRD024	294.5	308	SLT	CBS	CMN
Kinsevere phase 4	TCRD024	308	314.5	SST	CBS	CMN
Kinsevere phase 4	TCRD024	314.5	322	SLT	DLM	GRAT

Kinsevere phase 4	TCRD024	322	350	SLT	DLM	GRAT
Kinsevere phase 4	TCRD025	0	1	NR		NR
Kinsevere phase 4	TCRD025	1	11	SOL		SOL
Kinsevere phase 4	TCRD025	11	19	CBM		CMN
Kinsevere phase 4	TCRD025	19	68	CSS		CMN
Kinsevere phase 4	TCRD025	68	69	NR		NR
Kinsevere phase 4	TCRD025	69	72	CSS		CMN
Kinsevere phase 4	TCRD025	72	112	DLH		SD3b
Kinsevere phase 4	TCRD025DT	112	113.6	SLT		CMN
Kinsevere phase 4	TCRD025DT	113.6	127	SLT		CMN
Kinsevere phase 4	TCRD025DT	127	139	SLT		CMN
Kinsevere phase 4	TCRD025DT	139	155.5	SLT		CMN
Kinsevere phase 4	TCRD025DT	155.5	163	SLT		CMN
Kinsevere phase 4	TCRD025DT	163	169.5	SLT		CMN
Kinsevere phase 4	TCRD025DT	169.5	178	SLT		CMN
Kinsevere phase 4	TCRD025DT	178	199	SLT		CMN
Kinsevere phase 4	TCRD025DT	199	208	SLT		CMN
Kinsevere phase 4	TCRD025DT	208	215	SLT		CMN
Kinsevere phase 4	TCRD025DT	215	260	SLT		CMN
Kinsevere phase 4	TCRD025DT	260	279.5	SLT		CMN
Kinsevere phase 4	TCRD025DT	279.5	289.79999	SLT		RAT
Kinsevere phase 4	TCRD026	0	1	NR		
Kinsevere phase 4	TCRD026	1	6	SOL		SOL
Kinsevere phase 4	TCRD026	6	7	NR		
Kinsevere phase 4	TCRD026	7	30	CSS		CMN
Kinsevere phase 4	TCRD026	30	55	CSS		CMN
Kinsevere phase 4	TCRD026	55	58	CSS		CMN
Kinsevere phase 4	TCRD026	58	72	CSS		CMN
Kinsevere phase 4	TCRD026DT	72	89.800003	SLT		CMN
Kinsevere phase 4	TCRD026DT	89.800003	94.5	SLT		CMN
Kinsevere phase 4	TCRD026DT	94.5	101	SLT		CMN
Kinsevere phase 4	TCRD026DT	101	129	SLT		CMN
Kinsevere phase 4	TCRD026DT	129	141	SLT		CMN
Kinsevere phase 4	TCRD026DT	141	150	SLT		CMN
Kinsevere phase 4	TCRD026DT	150	180	SLT		CMN
Kinsevere phase 4	TCRD026DT	180	184.5	SLT		CMN
Kinsevere phase 4	TCRD026DT	184.5	196	SLT		CMN
Kinsevere phase 4	TCRD026DT	196	202.5	SLT		CMN
Kinsevere phase 4	TCRD026DT	202.5	205.75	SLT		CMN
Kinsevere phase 4	TCRD026DT	205.75	212	SLT		CMN
Kinsevere phase 4	TCRD026DT	212	225	SLT		CMN
Kinsevere phase 4	TCRD026DT	225	240	SLT		CMN
Kinsevere phase 4	TCRD026DT	240	254	SLT		CMN
Kinsevere phase 4	TCRD026DT	254	269	SLT		CMN
Kinsevere phase 4	TCRD026DT	269	283.5	SLT		CMN
Kinsevere phase 4	TCRD026DT	283.5	286	SLT		CMN
Kinsevere phase 4	TCRD026DT	286	302	SLT		CMN
Kinsevere phase 4	TCRD026DT	302	312	SLT		CMN
Kinsevere phase 4	TCRD026DT	312	318	SLT		GRAT
Kinsevere phase 4	TCRD027	0	18	SOL		SOL
Kinsevere phase 4	TCRD027	18	30	DLM		RAT
Kinsevere phase 4	TCRD027	30	44	CSS		CMN
Kinsevere phase 4	TCRD027	44	80	DLM		CMN
Kinsevere phase 4	TCRD027	80	81	NR		NR
Kinsevere phase 4	TCRD027	81	100	DLM		CMN
Kinsevere phase 4	TCRD028	0	26	SOL		SOL
Kinsevere phase 4	TCRD028	26	41	CBM		CMN
Kinsevere phase 4	TCRD028	41	120	CBM		CMN
Kinsevere phase 4	TCRD029	0	5	Dump		OVB
Kinsevere phase 4	TCRD029	5	32	DLM		RAT
Kinsevere phase 4	TCRD029	32	37	HBX		RAT
Kinsevere phase 4	TCRD029	37	49	DLM		RAT
Kinsevere phase 4	TCRD029	49	67	DLM		SD3a

Kinsevere phase 4	TCRD029	67	91	DLM	SD2d
Kinsevere phase 4	TCRD029	91	124	DLM	SD2b2c
Kinsevere phase 4	TCRD029DT	124	174	SLT	SD
Kinsevere phase 4	TCRD029DT	174	219	SLT	CMN
Kinsevere phase 4	TCRD029DT	219	279.29999	SLT	CMN
Kinsevere phase 4	TCRD029DT	279.29999	304.29999	SLT	RATB
Kinsevere phase 4	TCRD030	0	8	SOL	SOL
Kinsevere phase 4	TCRD030	8	23	CSS	CMN
Kinsevere phase 4	TCRD030	23	32	CSS	CMN
Kinsevere phase 4	TCRD030	32	38	CSS	CMN
Kinsevere phase 4	TCRD030	38	60	CSS	CMN
Kinsevere phase 4	TCRD030	60	64	CSS	CMN
Kinsevere phase 4	TCRD030DT	64	72	SLT	CMN
Kinsevere phase 4	TCRD030DT	72	102	SLT	CMN
Kinsevere phase 4	TCRD030DT	102	114.3	SLT	CMN
Kinsevere phase 4	TCRD030DT	114.5	118.5	SLT	CMN
Kinsevere phase 4	TCRD030DT	118.5	134.3	SLT	CMN
Kinsevere phase 4	TCRD030DT	134.3	161	SLT	RAT
Kinsevere phase 4	TCRD030DT	161	164	SLT	CMN
Kinsevere phase 4	TCRD030DT	164	226	SLT	RAT
Kinsevere phase 4	TCRD030DT	226	234	SLT	CMN
Kinsevere phase 4	TCRD030DT	234	292.5	SLT	RAT
Kinsevere phase 4	TCRD031	0	5	Dump	OVB
Kinsevere phase 4	TCRD031	5	26	DLM	RAT
Kinsevere phase 4	TCRD031	26	34	DLM	RAT
Kinsevere phase 4	TCRD031	34	40	CSS	CMN
Kinsevere phase 4	TCRD031	40	84	CBM	CMN
Kinsevere phase 4	TCRD031	84	88	NR	NR
Kinsevere phase 4	TCRD032	0	5	Dump	OVB
Kinsevere phase 4	TCRD032	5	140	DLM	RAT
Kinsevere phase 4	TCRD033	0	6	SOL	SOL
Kinsevere phase 4	TCRD033	6	51	DLM	SD3a
Kinsevere phase 4	TCRD033	51	58	DLM	SD3b
Kinsevere phase 4	TCRD033	58	104	CSS	CMN
Kinsevere phase 4	TCRD033DT	104	130.45	CBS	CMN
Kinsevere phase 4	TCRD033DT	130.45	151.3	CBS	CMN
Kinsevere phase 4	TCRD033DT	151.3	165.39999	CBS	CMN
Kinsevere phase 4	TCRD033DT	165.39999	173	CBS	CMN
Kinsevere phase 4	TCRD033DT	173	176	CBS	CMN
Kinsevere phase 4	TCRD033DT	176	186.89999	CBS	CMN
Kinsevere phase 4	TCRD034	0	3	NR	NR
Kinsevere phase 4	TCRD034	3	9	Dump	OVB
Kinsevere phase 4	TCRD034	9	30	CBS	CMN
Kinsevere phase 4	TCRD034	30	31	CBM	CMN
Kinsevere phase 4	TCRD034	31	45	CSS	CMN
Kinsevere phase 4	TCRD034	45	74	CSS	CMN
Kinsevere phase 4	TCRD034	74	87	CSS	CMN
Kinsevere phase 4	TCRD034DT	87	152.5	SLT	CMN
Kinsevere phase 4	TCRD034DT	152.5	179.5	SLT	CMN
Kinsevere phase 4	TCRD034DT	179.5	190.5	SLT	SD
Kinsevere phase 4	TCRD034DT	190.5	199.5	SLT	RSF
Kinsevere phase 4	TCRD034DT	199.5	202.5	SLT	DSTR
Kinsevere phase 4	TCRD034DT	202.5	235.5	SLT	RAT
Kinsevere phase 4	TCRD035	0	7	Dump	OVB
Kinsevere phase 4	TCRD035	7	30	CSS	CMN
Kinsevere phase 4	TCRD035	30	64	CBM	CMN
Kinsevere phase 4	TCRD035	64	101	CBM	CMN
Kinsevere phase 4	TCRD035	101	105.5	NR	NR
Kinsevere phase 4	TCRD035DT	105.5	209	SLT	CMN
Kinsevere phase 4	TCRD035DT	209	279	SLT	CMN
Kinsevere phase 4	TCRD035DT	279	285	SLT	CMN
Kinsevere phase 4	TCRD035DT	285	323	SLT	CMN
Kinsevere phase 4	TCRD036	0	3	Dump	OVB

Kinsevere phase 4	TCRD036	3	25	CBM		CMN
Kinsevere phase 4	TCRD036	25	28	CBM		CMN
Kinsevere phase 4	TCRD036	28	70	CBM		CMN
Kinsevere phase 4	TCRD036	76	91.199997	SLT	DLM	GRAT
Kinsevere phase 4	TCRD036	91.199997	121	SLT	SST	GRAT
Kinsevere phase 4	TCRD036	121	128.5	SST		GRAT
Kinsevere phase 4	TCRD037	0	1	NR		NR
Kinsevere phase 4	TCRD037	1	11	SOL		SOL
Kinsevere phase 4	TCRD037	11	24	DLM		RAT
Kinsevere phase 4	TCRD037	24	35	CSS		CMN
Kinsevere phase 4	TCRD037	35	104	CSS		CMN
Kinsevere phase 4	TCRD038	0	4	Dump		OVB
Kinsevere phase 4	TCRD038	4	60	DLM		SD
Kinsevere phase 4	TCRD038	60	71	BRC		RATB
Kinsevere phase 4	TCRD038	71	136	DLM		RAT
Kinsevere phase 4	TCRD038	136	140	CBM		CMN
Kinsevere phase 4	TCRD039	0	10	SOL		SOL
Kinsevere phase 4	TCRD039	10	56	CSS		CMN
Kinsevere phase 4	TCRD039	56	72	CSS		CMN
Kinsevere phase 4	TCRD040	0	1	SLT	CBM	CMN
Kinsevere phase 4	TCRD040	1	2	SLT	CBM	CMN
Kinsevere phase 4	TCRD040	2	3	SLT	CBM	CMN
Kinsevere phase 4	TCRD040	3	4	SLT	CBM	CMN
Kinsevere phase 4	TCRD040	4	9	SST	CBS	CMN
Kinsevere phase 4	TCRD040	9	10	SST	CBL	CMN
Kinsevere phase 4	TCRD040	10	12	SLT	CBM	CMN
Kinsevere phase 4	TCRD040	12	14	SLT	CBS	CMN
Kinsevere phase 4	TCRD040	14	22	SST	DLL	CMN
Kinsevere phase 4	TCRD040	22	23	SLT	DLL	CMN
Kinsevere phase 4	TCRD040	23	25	SST	CBS	CMN
Kinsevere phase 4	TCRD040	25	28	SST	CBM	CMN
Kinsevere phase 4	TCRD040	28	30	SST	CBS	CMN
Kinsevere phase 4	TCRD040	30	31	SST	CBS	CMN
Kinsevere phase 4	TCRD040	31	37	SLT	CBM	CMN
Kinsevere phase 4	TCRD040	37	68	SST	CBS	CMN
Kinsevere phase 4	TCRD040	68	71	SLT	CBL	CMN
Kinsevere phase 4	TCRD040	71	76	SLT	CBS	CMN
Kinsevere phase 4	TCRD040	76	77	SLT	CBS	CMN
Kinsevere phase 4	TCRD040	77	81	SLT	CBL	CMN
Kinsevere phase 4	TCRD040	81	83	SLT	CBS	CMN
Kinsevere phase 4	TCRD040	83	84	SLT	CBS	CMN
Kinsevere phase 4	TCRD040	84	90	SLT	CBS	CMN
Kinsevere phase 4	TCRD041	0	1	SLT	DLM	RATB
Kinsevere phase 4	TCRD041	1	2	SLT	DLM	RATB
Kinsevere phase 4	TCRD041	2	4	SLT	DLM	RATB
Kinsevere phase 4	TCRD041	4	9	SLT	DLM	RATB
Kinsevere phase 4	TCRD041	9	13	SLT	DLM	RATB
Kinsevere phase 4	TCRD041	13	16	SST	CBS	CMN
Kinsevere phase 4	TCRD041	16	18	SLT	DLM	GRAT
Kinsevere phase 4	TCRD041	18	21	SLT	DLM	GRAT
Kinsevere phase 4	TCRD041	21	22	SLT	DLM	GRAT
Kinsevere phase 4	TCRD041	22	27	SLT	CBL	CMN
Kinsevere phase 4	TCRD041	27	28	UNK	DLM	GRAT
Kinsevere phase 4	TCRD041	28	34	SLT	DLM	GRAT
Kinsevere phase 4	TCRD041	34	40	SLT	DLM	GRAT
Kinsevere phase 4	TCRD041	40	52	SST	CBS	CMN
Kinsevere phase 4	TCRD041	52	58	SLT	CBL	CMN
Kinsevere phase 4	TCRD041	58	65	SST	CBS	CMN
Kinsevere phase 4	TCRD041	65	68	NR	NR	
Kinsevere phase 4	TCRD041	68	75	SST	CBS	CMN
Kinsevere phase 4	TCRD041	75	82	SST	CBS	CMN
Kinsevere phase 4	TCRD041	82	93	SST	CBS	CMN
Kinsevere phase 4	TCRD042	0	12	DLH		SD

Kinsevere phase 4	TCRD042	12	26	DLH		SD
Kinsevere phase 4	TCRD042	26	27	DLH		SD
Kinsevere phase 4	TCRD042	27	46	DLH		SD
Kinsevere phase 4	TCRD042	46	94	CBS		CMN
Kinsevere phase 4	TCRD042	94	99.900002	SST	DLH	CMN
Kinsevere phase 4	TCRD042	99.900002	106.08	SST	CBS	CMN
Kinsevere phase 4	TCRD042	106.08	108.15	SST	CBS	CMN
Kinsevere phase 4	TCRD042	108.15	117	SST	CBS	CMN
Kinsevere phase 4	TCRD042	117	124	SST	CBS	CMN
Kinsevere phase 4	TCRD042	124	130	SST	CBS	CMN
Kinsevere phase 4	TCRD042	130	137	SST	CBS	CMN
Kinsevere phase 4	TCRD042	137	139	SST	CBS	CMN
Kinsevere phase 4	TCRD042	139	145.5	SST	CBS	CMN
Kinsevere phase 4	TCRD043	0	28	DLH		SD
Kinsevere phase 4	TCRD043	28	35	DLH		SD
Kinsevere phase 4	TCRD043	35	39	CBS		SD
Kinsevere phase 4	TCRD043	39	47	CBS	SST	CMN
Kinsevere phase 4	TCRD043	47	57	CBS	SST	CMN
Kinsevere phase 4	TCRD043	57	65	CBS		CMN
Kinsevere phase 4	TCRD043	65	73.5	SLT	CBL	CMN
Kinsevere phase 4	TCRD043	73.5	77	SLT	CBL	CMN
Kinsevere phase 4	TCRD043	77	98.120003	SLT	CBL	CMN
Kinsevere phase 4	TCRD043	98.120003	102.1	SLT	CBL	CMN
Kinsevere phase 4	TCRD043	102.1	110.87	SLT	CBL	CMN
Kinsevere phase 4	TCRD043	110.87	128	SST	CBS	CMN
Kinsevere phase 4	TCRD043	128	154.5	SST	CBS	CMN
Kinsevere phase 4	TCRD043	154.5	183.5	SST	CBS	CMN
Kinsevere phase 4	TCRD043	183.5	204.3	SST	CBS	CMN
Kinsevere phase 4	TCRD043	204.3	220.39999	SST	CBS	CMN
Kinsevere phase 4	TCRD043	220.39999	239.7	SST	CBS	CMN
Kinsevere phase 4	TCRD043	239.7	242.7	SST	CBS	CMN
Kinsevere phase 4	TCRD043	242.7	267.5	SST	CBS	CMN
Kinsevere phase 4	TCRD043	267.5	271.10001	SST	CBS	CMN
Kinsevere phase 4	TCRD043	271.10001	273.29999	SST	CBS	CMN
Kinsevere phase 4	TCRD043	273.29999	279	SST	CBS	CMN
Kinsevere phase 4	TCRD043	279	290	SLT	CBM	GRAT
Kinsevere phase 4	TCRD043	290	314	SLT	CBM	GRAT
Kinsevere phase 4	TCRD043	314	319	SST	CBS	GRAT
Kinsevere phase 4	TCRD043	319	321.5	SST	CBS	GRAT
Kinsevere phase 4	TCRD043	321.5	328.5	SLT	CBM	GRAT
Kinsevere phase 4	TCRD043	328.5	334	SLT	CBM	GRAT
Kinsevere phase 4	TCRD043	334	353.79999	SLT	CBM	GRAT
Kinsevere phase 4	TCRD043	353.79999	375.79999	SLT	CBM	GRAT
Kinsevere phase 4	TCRD044	0	3	DLH	SLT	SD
Kinsevere phase 4	TCRD044	3	17	DLH	SST	SD
Kinsevere phase 4	TCRD044	17	31	DLH		SD
Kinsevere phase 4	TCRD044	31	34	DLH		SD
Kinsevere phase 4	TCRD044	34	41	DLH		SD
Kinsevere phase 4	TCRD044	41	47	DLH		SD
Kinsevere phase 4	TCRD044	47	82	DLH		SD
Kinsevere phase 4	TCRD044	82	117	DLH		SD
Kinsevere phase 4	TCRD045	0	7	DLH		SD
Kinsevere phase 4	TCRD045	7	16	DLH		SD
Kinsevere phase 4	TCRD045	16	47	BX	SST	HBX
Kinsevere phase 4	TCRD045	47	52	SHA	SLT	SD
Kinsevere phase 4	TCRD045	52	60	BX		HBX
Kinsevere phase 4	TCRD046	0	1	NR		
Kinsevere phase 4	TCRD046	1	3	DLH		SD
Kinsevere phase 4	TCRD046	3	16	DLH		SD
Kinsevere phase 4	TCRD046	16	18	NR		
Kinsevere phase 4	TCRD046	18	34	BX		HBX
Kinsevere phase 4	TCRD046	34	53	CBS		CMN
Kinsevere phase 4	TCRD046	53	85	CBS		CMN

Kinsevere phase 4	TCRD046	85	92	CBS		CMN
Kinsevere phase 4	TCRD046	92	95	NR		
Kinsevere phase 4	TCRD046	95	100	CBS		CMN
Kinsevere phase 4	TCRD047					
Kinsevere phase 4	TCRD047DT	105.6	123	SHDL		SD
Kinsevere phase 4	TCRD047DT	123	127.5	DLB		CMN
Kinsevere phase 4	TCRD047DT	127.5	132	NR		
Kinsevere phase 4	TCRD047DT	132	138.05	SHC		CMN
Kinsevere phase 4	TCRD047DT	138.05	173.2	DLB	DLC	CMN
Kinsevere phase 4	TCRD047DT	173.2	180.2	CARS	DLC	CMN
Kinsevere phase 4	TCRD047DT	180.2	194	DLB		CMN
Kinsevere phase 4	TCRD047DT	194	207.60001	DLB		CMN
Kinsevere phase 4	TCRD047DT	207.60001	208.85001	MX		FZ
Kinsevere phase 4	TCRD047DT	208.85001	215.49001	DBX	DLM	CMN
Kinsevere phase 4	TCRD047DT	215.49001	220.16	DLB		CMN
Kinsevere phase 4	TCRD047DT	220.16	221.55	DBX		CMN
Kinsevere phase 4	TCRD047DT	221.55	230.61	DBX	DLM	CMN
Kinsevere phase 4	TCRD047DT	230.61	235.71001	DLB		CMN
Kinsevere phase 4	TCRD047DT	235.71001	237	DBX		CMN
Kinsevere phase 4	TCRD048					
Kinsevere phase 4	TCRD048DT	0	104	CF	RATB	RATB
Kinsevere phase 4	TCRD048DT	104	118.5	RATB		RATB
Kinsevere phase 4	TCRD048DT	118.5	137.60001	ARG		GRAT
Kinsevere phase 4	TCRD048DT	137.60001	150.3	ARG		GRAT
Kinsevere phase 4	TCRD048DT	150.3	156.8	DLB	DLL	DSTR
Kinsevere phase 4	TCRD048DT	156.8	162.5	DLB		DSTR
Kinsevere phase 4	TCRD048DT	162.5	165	DLB	DLH	RSF
Kinsevere phase 4	TCRD048DT	165	176.37	SLT		SD
Kinsevere phase 4	TCRD048DT	176.37	223.5	CARS	SHC	SD
Kinsevere phase 4	TCRD048DT	223.5	266	SHC		SD
Kinsevere phase 4	TCRD048DT	266	286.29999	SHC	DLC	SD
Kinsevere phase 4	TCRD048DT	286.29999	290	SHDL		SD
Kinsevere phase 4	TCRD048DT	290	290.35001	MX	SHR	FZ
Kinsevere phase 4	TCRD048DT	290.35001	290.60001	RATB		RATB
Kinsevere phase 4	TCRD048DT	290.60001	291.95001	HBX		FZ
Kinsevere phase 4	TCRD048DT	291.95001	293	RATB		RATB
Kinsevere phase 4	TCRD048DT	293	293.94	SHC		SD
Kinsevere phase 4	TCRD048DT	293.94	297.5	RATB		RATB
Kinsevere phase 4	TCRD049					
Kinsevere phase 4	TCRD049DT	105	109.5	ARG		RAT
Kinsevere phase 4	TCRD049DT	109.5	135.35001	RARG		RATB
Kinsevere phase 4	TCRD049DT	135.35001	141.60001	ARG		RAT
Kinsevere phase 4	TCRD049DT	141.60001	161	BARG		RATB
Kinsevere phase 4	TCRD049DT	161	259.70001	ARG	DARG	RRAT
Kinsevere phase 4	TCRD049DT	259.70001	265.60001	ARG		RAT
Kinsevere phase 4	TCRD050					
Kinsevere phase 4	TCRD050DT	101	152.60001	ARG		RAT
Kinsevere phase 4	TCRD050DT	152.60001	154.5	BARG		RATB
Kinsevere phase 4	TCRD050DT	154.5	209	ARG		RAT
Kinsevere phase 4	TCRD050DT	209	215.17999	BARG		RATB
Kinsevere phase 4	TCRD050DT	215.17999	233	ARG		RAT
Kinsevere phase 4	TCRD051					
Kinsevere phase 4	TCRD052					
Kinsevere phase 4	TCRD053					
Kinsevere phase 4	TCRD054					
Kinsevere phase 4	TCRD055					
Kinsevere phase 4	TFDH008					
Kinsevere phase 4	TFDH009	0	7	SOL		OVB
Kinsevere phase 4	TFDH009	7	22	SPR		OVB
Kinsevere phase 4	TFDH009	22	38.5	SLT	SHDL	SD
Kinsevere phase 4	TFDH009	38.5	39	DLH	SHDL	SD
Kinsevere phase 4	TFDH009	39	59	CARS		SD
Kinsevere phase 4	TFDH009	59	104.5	SHC	CARS	SD

Kinsevere phase 4	TFDH009	104.5	107.2	SHC		SD
Kinsevere phase 4	TFDH009	107.2	112.5	BARG		RATB
Kinsevere phase 4	TFDH009	112.5	114.9	HBX	SHC	FZ
Kinsevere phase 4	TFDH009	114.9	133	SHC	CARS	SD
Kinsevere phase 4	TFDH009	133	136	BARG		FZ
Kinsevere phase 4	TFDH009	136	200.2	ARG	DARG	RRAT
Kinsevere phase 4	TFDH010	0	1	SOL		OVB
Kinsevere phase 4	TFDH010	1	18.700001	ARG		RGS
Kinsevere phase 4	TFDH010	18.700001	25	ARG		RGS
Kinsevere phase 4	TFDH010	25	33.5	ARG		RGS
Kinsevere phase 4	TFDH010	33.5	116.43	ARG		RGS
Kinsevere phase 4	TFDH010	116.43	117.4	SST	ARG	RGS
Kinsevere phase 4	TFDH010	117.4	152.5	ARG	SST	RGS
Kinsevere phase 4	TFDH010	152.5	155.35001	ARG		RGS
Kinsevere phase 4	TFDH010	155.35001	175.8	ARG		RGS
Kinsevere phase 4	TFDH010	175.8	180.89999	ARG	DLM	CMN
Kinsevere phase 4	TFDH010	180.89999	189.57001	DLM		CMN
Kinsevere phase 4	TFDH010	189.57001	191.7	SHA		CMN
Kinsevere phase 4	TFDH010	191.7	204.2	DLB		CMN
Kinsevere phase 4	TFDH010	204.2	218	SHA	VC	CMN
Kinsevere phase 4	TFDH010	218	221.7	DLB		CMN
Kinsevere phase 4	TFDH010	221.7	223.7	HBX		FZ
Kinsevere phase 4	TFDH010	223.7	241.42	DLB	SHA	CMN
Kinsevere phase 4	TFDH010	241.42	251.75	SHDL	SHA	CMN
Kinsevere phase 4	TFDH010	251.75	257	DLB		CMN
Kinsevere phase 4	TFDH010	257	269	DLB	SHA	CMN
Kinsevere phase 4	TFDH010	269	270.60999	DLB		CMN
Kinsevere phase 4	TFDH010	270.60999	291.48001	DLB	SHDL	CMN
Kinsevere phase 4	TFDH010	291.48001	295.89999	VC	DLB	CMN
Kinsevere phase 4	TFDH010	295.89999	297.89999	DLB		CMN
Kinsevere phase 4	TFDH010	297.89999	300.64001	VC		UNK
Kinsevere phase 4	TFDH010	300.64001	304.57001	VC		UNK
Kinsevere phase 4	TFDH010	304.57001	313.87	DLB		CMN
Kinsevere phase 4	TFDH010	313.87	316.5	SHA	ARG	CMN
Kinsevere phase 4	TFDH010	316.5	350.25	DLB		CMN
Kinsevere phase 4	TFDH010	350.25	351.75	DBX	HBX	CMN
Kinsevere phase 4	TFDH010	351.75	395	DLB		CMN
Kinsevere phase 4	TFDH010	395	441	DLB		CMN
Kinsevere phase 4	TFDH010	441	457.5	DLB		CMN
Kinsevere phase 4	TFDH010	457.5	462	DLC	SHC	CMN
Kinsevere phase 4	TFDH010	462	473.29999	DLB		CMN
Kinsevere phase 4	TFDH010	473.29999	475.70001	SHC	DLC	CMN
Kinsevere phase 4	TFDH010	475.70001	478.38	DLB		CMN
Kinsevere phase 4	TFDH010	478.38	496.70001	RATB		RATB
Kinsevere phase 4	TFDH010	496.70001	503.20001	ARG		RAT
Kinsevere phase 4	TFRC105	0	2	NR		
Kinsevere phase 4	TFRC105	2	4	SOL		SOL
Kinsevere phase 4	TFRC105	4	33	SST	DLM	GRAT
Kinsevere phase 4	TFRC105	33	78	SLT	DLM	GRAT
Kinsevere phase 4	TFRC105	78	94	SLT	DLM	GRAT
Kinsevere phase 4	TFRC105	94	113	SLT	DLM	GRAT
Kinsevere phase 4	TFRC105	113	124	SLT	DLM	GRAT
Kinsevere phase 4	TFRC105	124	126	SLT	DLM	GRAT
Kinsevere phase 4	TFRC105	126	128	SLT	DLM	GRAT
Kinsevere phase 4	TFRC105	128	150	SLT	DLM	GRAT
Kinsevere phase 4	TFRC106	0	6	SST	DLM	SOL
Kinsevere phase 4	TFRC106	6	54	SST	DLM	RATB
Kinsevere phase 4	TFRC106	54	112	SST	DLM	GRAT
Kinsevere phase 4	TFRC106	112	140	SST	DLM	GRAT
Kinsevere phase 4	TFRC107	0	7	SOL		Ku
Kinsevere phase 4	TFRC107	7	28	SST		Ku
Kinsevere phase 4	TFRC107	28	44	SST		Ku
Kinsevere phase 4	TFRC107	44	50	NR		

Kinsevere phase 4	TFRC107	50	53	SST		Ku
Kinsevere phase 4	TFRC107	53	58	CBL	SLT	Ku
Kinsevere phase 4	TFRC107	58	70	SST		Ku
Kinsevere phase 4	TFRC107	70	75	CBL	SLT	Ku
Kinsevere phase 4	TFRC108	0	3	SOL		SOL
Kinsevere phase 4	TFRC108	3	15	SLT	DLM	GRAT
Kinsevere phase 4	TFRC108	15	18	SLT	DLM	GRAT
Kinsevere phase 4	TFRC108	18	26	DLH		DSTR
Kinsevere phase 4	TFRC108	26	28	DLS		DSTR
Kinsevere phase 4	TFRC108	28	35	DLH		SD
Kinsevere phase 4	TFRC108	35	37	DLH		SD
Kinsevere phase 4	TFRC108	37	47	SLT	DLM	GRAT
Kinsevere phase 4	TFRC108	47	53	BX	DLM	RATB
Kinsevere phase 4	TFRC108	53	69	BX	DLM	RATB
Kinsevere phase 4	TFRC108	69	89	SST		CMN
Kinsevere phase 4	TFRC108	89	95	SST		CMN
Kinsevere phase 4	TFRC108	95	106	SST		CMN
Kinsevere phase 4	TFRC108	106	107	SST		CMN
Kinsevere phase 4	TFRC108	107	108	NR		
Kinsevere phase 4	TFRC108	108	128	SST		CMN
Kinsevere phase 4	TFRC109	0	1	NR	NR	
Kinsevere phase 4	TFRC109	1	3	SOL		SOL
Kinsevere phase 4	TFRC109	3	11	DLM		RATB
Kinsevere phase 4	TFRC109	11	21	DLM		GRAT
Kinsevere phase 4	TFRC109	21	24	SLT	DLM	GRAT
Kinsevere phase 4	TFRC109	24	46	SST	DLM	GRAT
Kinsevere phase 4	TFRC109	46	49	DLM		GRAT
Kinsevere phase 4	TFRC109	49	132	SLT	DLM	GRAT
Kinsevere phase 4	TFRC110	0	1	NR		
Kinsevere phase 4	TFRC110	1	7	SOL		SOL
Kinsevere phase 4	TFRC110	7	65	SST	DLM	GRAT
Kinsevere phase 4	TFRC110	65	109	SLT	DLM	GRAT
Kinsevere phase 4	TFRC110	109	129	SLT	DLM	GRAT
Kinsevere phase 4	TFRC110	129	136	SLT	DLM	GRAT
Kinsevere phase 4	TFRC110	136	150	SLT	DLM	GRAT
Kinsevere phase 4	TFRC111	0	1	NR		
Kinsevere phase 4	TFRC111	1	23	SOL		SOL
Kinsevere phase 4	TFRC111	23	50	SST		CMN
Kinsevere phase 4	TFRC111	50	57	DLM		GRAT
Kinsevere phase 4	TFRC111	57	59	NR		
Kinsevere phase 4	TFRC111	59	88	SST	BX	RATB
Kinsevere phase 4	TFRC111	88	100	SLT	DLM	GRAT
Kinsevere phase 4	TFRC112	0	9	SOL		SOL
Kinsevere phase 4	TFRC112	9	24	DLM		CMN
Kinsevere phase 4	TFRC112	24	70	SST		CMN
Kinsevere phase 4	TFRC112	70	74	SST		CMN
Kinsevere phase 4	TFRC112	74	81	SST		CMN
Kinsevere phase 4	TFRC113	0	3	NR		
Kinsevere phase 4	TFRC113	3	19	SOL		SOL
Kinsevere phase 4	TFRC113	19	33	SOL		SOL
Kinsevere phase 4	TFRC113	33	42	SST		CMN
Kinsevere phase 4	TFRC113	42	51	SST		CMN
Kinsevere phase 4	TFRC113	51	52	NR		
Kinsevere phase 4	TFRC113	52	62	SST		CMN
Kinsevere phase 4	TFRC113	62	69	SST		HBX
Kinsevere Sulphide Program	STCDH_001	0	1.5	NR		NR
Kinsevere Sulphide Program	STCDH_001	1.5	5.3400002	SHDL	DLB	CMN
Kinsevere Sulphide Program	STCDH_001	5.3400002	6	DLB		CMN
Kinsevere Sulphide Program	STCDH_001	6	12	NR		NR
Kinsevere Sulphide Program	STCDH_001	12	24	DLB		CMN
Kinsevere Sulphide Program	STCDH_001	24	25	NR		NR
Kinsevere Sulphide Program	STCDH_001	25	26	DLB		CMN
Kinsevere Sulphide Program	STCDH_001	26	27	NR		NR

Kinsevere Sulphide Program	STCDH_001	27	30	HBX		FZ
Kinsevere Sulphide Program	STCDH_001	30	33	NR		NR
Kinsevere Sulphide Program	STCDH_001	33	76.5	HBX		FZ
Kinsevere Sulphide Program	STCDH_001	33	76.5	HBX		FZ
Kinsevere Sulphide Program	STCDH_001	33	76.5	HBX		FZ
Kinsevere Sulphide Program	STCDH_001	76.5	80	HBX		FZ
Kinsevere Sulphide Program	STCDH_001	76.5	80	HBX		FZ
Kinsevere Sulphide Program	STCDH_001	80	86	HBX		FZ
Kinsevere Sulphide Program	STCDH_001	80	86	HBX		FZ
Kinsevere Sulphide Program	STCDH_001	80	86	HBX		FZ
Kinsevere Sulphide Program	STCDH_001	86	88	SHA		CMN
Kinsevere Sulphide Program	STCDH_001	86	88	SHA		CMN
Kinsevere Sulphide Program	STCDH_001	88	91	HBX		CMN
Kinsevere Sulphide Program	STCDH_001	91	94	SHA		CMN
Kinsevere Sulphide Program	STCDH_001	91	94	SHA		CMN
Kinsevere Sulphide Program	STCDH_001	94	96	HBX		FZ
Kinsevere Sulphide Program	STCDH_001	96	103	DBX	MX	CMN
Kinsevere Sulphide Program	STCDH_001	96	103	DBX	MX	CMN
Kinsevere Sulphide Program	STCDH_001	103	116	SHA		CMN
Kinsevere Sulphide Program	STCDH_001	103	116	SHA		CMN
Kinsevere Sulphide Program	STCDH_001	103	116	SHA		CMN
Kinsevere Sulphide Program	STCDH_001	116	125.47	DLB		CMN
Kinsevere Sulphide Program	STCDH_001	125.47	128.32001	HBX		FZ
Kinsevere Sulphide Program	STCDH_001	125.47	128.32001	HBX		FZ
Kinsevere Sulphide Program	STCDH_001	128.32001	163.36	DLB	DLL	CMN
Kinsevere Sulphide Program	STCDH_001	128.32001	163.36	DLB	DLL	CMN
Kinsevere Sulphide Program	STCDH_001	128.32001	163.36	DLB	DLL	CMN
Kinsevere Sulphide Program	STCDH_001	128.32001	163.36	DLB	DLL	CMN
Kinsevere Sulphide Program	STCDH_001	163.36	172	DLC		CMN
Kinsevere Sulphide Program	STCDH_001	163.36	172	DLC		CMN
Kinsevere Sulphide Program	STCDH_001	163.36	172	DLC		CMN
Kinsevere Sulphide Program	STCDH_001	172	193.14999	DLB		CMN
Kinsevere Sulphide Program	STCDH_001	172	193.14999	DLB		CMN
Kinsevere Sulphide Program	STCDH_001	172	193.14999	DLB		CMN
Kinsevere Sulphide Program	STCDH_001	193.14999	195.27	DLC		CMN
Kinsevere Sulphide Program	STCDH_001	193.14999	195.27	DLC		CMN
Kinsevere Sulphide Program	STCDH_001	193.14999	195.27	DLC		CMN
Kinsevere Sulphide Program	STCDH_001	193.14999	195.27	DLC		CMN
Kinsevere Sulphide Program	STCDH_001	195.27	197.07001	DLB		CMN
Kinsevere Sulphide Program	STCDH_001	195.27	197.07001	DLB		CMN
Kinsevere Sulphide Program	STCDH_001	195.27	197.07001	DLB		CMN
Kinsevere Sulphide Program	STCDH_001	197.07001	197.92	SHC		CMN
Kinsevere Sulphide Program	STCDH_001	197.92	216.8	DLB	DBX	CMN
Kinsevere Sulphide Program	STCDH_001	197.92	216.8	DLB	DBX	CMN
Kinsevere Sulphide Program	STCDH_001	216.8	243	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_001	216.8	243	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_001	243	244.32001	DLH	SHDL	SD
Kinsevere Sulphide Program	STCDH_001	243	244.32001	DLH	SHDL	SD
Kinsevere Sulphide Program	STCDH_001	244.32001	247.55	SHC		SD
Kinsevere Sulphide Program	STCDH_001	247.55	261.5	SHA	SHC	SD
Kinsevere Sulphide Program	STCDH_001	247.55	261.5	SHA	SHC	SD
Kinsevere Sulphide Program	STCDH_001	261.5	285	SHC		SD
Kinsevere Sulphide Program	STCDH_001	261.5	285	SHC		SD
Kinsevere Sulphide Program	STCDH_001	261.5	285	SHC		SD
Kinsevere Sulphide Program	STCDH_001	285	285.95001	DLC		RSF
Kinsevere Sulphide Program	STCDH_001	285.95001	291.31	DLC		DSTR
Kinsevere Sulphide Program	STCDH_001	285.95001	291.31	DLC		DSTR
Kinsevere Sulphide Program	STCDH_001	291.31	294.48999	DLL		DSTR
Kinsevere Sulphide Program	STCDH_001	291.31	294.48999	DLL		DSTR
Kinsevere Sulphide Program	STCDH_001	291.31	294.48999	DLL		DSTR
Kinsevere Sulphide Program	STCDH_001	294.48999	297	RATB		RATB
Kinsevere Sulphide Program	STCDH_002	0	2.2	SHA		SD
Kinsevere Sulphide Program	STCDH_002	2.2	3	SHC		SD

Kinsevere Sulphide Program	STCDH_002	3	4.3299999	SHC		SD
Kinsevere Sulphide Program	STCDH_002	4.3299999	4.9099998	SHC		SD
Kinsevere Sulphide Program	STCDH_002	4.9099998	22.5	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_002	22.5	44	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_002	44	48.18	SHC		SD
Kinsevere Sulphide Program	STCDH_002	48.18	49.470001	SHDL	SHA	SD
Kinsevere Sulphide Program	STCDH_002	49.470001	51	SHC		SD
Kinsevere Sulphide Program	STCDH_002	51	61.5	HBX	RATB	FZ
Kinsevere Sulphide Program	STCDH_002	61.5	80	ARG		GRAT
Kinsevere Sulphide Program	STCDH_003	0	32.360001	SHA	DLB	SD
Kinsevere Sulphide Program	STCDH_003	32.360001	38	SHA	SHC	SD
Kinsevere Sulphide Program	STCDH_003	38	46.5	SHDL		SD
Kinsevere Sulphide Program	STCDH_003	46.5	59	SHDL		SD
Kinsevere Sulphide Program	STCDH_003	59	71.120003	SHDL	CARS	SD
Kinsevere Sulphide Program	STCDH_003	71.120003	89	SHA	SHDL	SD
Kinsevere Sulphide Program	STCDH_003	89	101.4	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_003	89	101.4	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_003	101.4	132.05	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_003	101.4	132.05	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_003	101.4	132.05	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_003	101.4	132.05	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_003	132.05	134.08	SHDL	DLM	SD
Kinsevere Sulphide Program	STCDH_003	132.05	134.08	SHDL	DLM	SD
Kinsevere Sulphide Program	STCDH_003	134.08	152	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_003	134.08	152	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_003	134.08	152	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_003	151	155.36	DLM	DBX	SD
Kinsevere Sulphide Program	STCDH_003	152	155.36	DLH	SHDL	SD
Kinsevere Sulphide Program	STCDH_003	152	155.36	DLH	SHDL	SD
Kinsevere Sulphide Program	STCDH_003	155.36	170.12	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_003	170.12	187.56	DLM		SD
Kinsevere Sulphide Program	STCDH_003	170.12	187.56	DLM		SD
Kinsevere Sulphide Program	STCDH_003	170.12	187.56	DLM		SD
Kinsevere Sulphide Program	STCDH_003	187.56	191.07001	SHC		SD
Kinsevere Sulphide Program	STCDH_003	187.56	191.07001	SHC		SD
Kinsevere Sulphide Program	STCDH_003	187.56	191.07001	SHC		SD
Kinsevere Sulphide Program	STCDH_003	191.07001	198.86	DLM	DLB	SD
Kinsevere Sulphide Program	STCDH_003	191.07001	198.86	DLM	DLB	SD
Kinsevere Sulphide Program	STCDH_003	198.86	200.21001	SHC	DLC	SD
Kinsevere Sulphide Program	STCDH_003	200.21001	202.60001	DLB	DLM	SD
Kinsevere Sulphide Program	STCDH_003	202.60001	203	QZ	MX	FZ
Kinsevere Sulphide Program	STCDH_003	202.60001	203	QZ	MX	FZ
Kinsevere Sulphide Program	STCDH_003	202.60001	203	QZ	MX	FZ
Kinsevere Sulphide Program	STCDH_003	203	203.25999	RATB		FZ
Kinsevere Sulphide Program	STCDH_003	203.25999	203.86	HBX	VC	FZ
Kinsevere Sulphide Program	STCDH_003	203.25999	203.86	HBX	VC	FZ
Kinsevere Sulphide Program	STCDH_003	203.86	222.08	RATB		RATB
Kinsevere Sulphide Program	STCDH_003	203.86	222.08	RATB		RATB
Kinsevere Sulphide Program	STCDH_003	222.08	223.7	ARG		RRAT
Kinsevere Sulphide Program	STCDH_003	223.7	234	ARG		RRAT
Kinsevere Sulphide Program	STCDH_004	0	25.5	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_004	25.5	40.5	SHA	SHDL	SD
Kinsevere Sulphide Program	STCDH_004	40.5	47	SHC		SD
Kinsevere Sulphide Program	STCDH_004	47	51	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_004	51	56	SHC		SD
Kinsevere Sulphide Program	STCDH_004	56	71	SHC		SD
Kinsevere Sulphide Program	STCDH_004	71	89	CARS	CARS	SD
Kinsevere Sulphide Program	STCDH_004	89	123.5	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_004	123.5	129	SHA	SLT	SD
Kinsevere Sulphide Program	STCDH_004	129	133	SHDL	DLH	RSF
Kinsevere Sulphide Program	STCDH_004	133	144	DLB		DSTR
Kinsevere Sulphide Program	STCDH_004	133	144	DLB		DSTR
Kinsevere Sulphide Program	STCDH_004	144	151	ARG		GRAT

Kinsevere Sulphide Program	STCDH_004	151	157	ARG		GRAT
Kinsevere Sulphide Program	STCDH_005	0	3	SHC		SD
Kinsevere Sulphide Program	STCDH_005	3	4.5	NR		
Kinsevere Sulphide Program	STCDH_005	4.5	18	SHC	DLH	SD
Kinsevere Sulphide Program	STCDH_006	0	17.700001	SHC		SD
Kinsevere Sulphide Program	STCDH_006	17.700001	24	SHA		SD
Kinsevere Sulphide Program	STCDH_006	24	28	SHC		SD
Kinsevere Sulphide Program	STCDH_006	28	30.5	SHA	SHDL	SD
Kinsevere Sulphide Program	STCDH_006	30.5	34.700001	SHC		SD
Kinsevere Sulphide Program	STCDH_006	34.700001	40.5	SHC	SHDL	SD
Kinsevere Sulphide Program	STCDH_006	34.700001	40.5	SHC	SHDL	SD
Kinsevere Sulphide Program	STCDH_006	40.5	46.799999	SHDL	SHA	SD
Kinsevere Sulphide Program	STCDH_006	40.5	46.799999	SHDL	SHA	SD
Kinsevere Sulphide Program	STCDH_006	40.5	46.799999	SHDL	SHA	SD
Kinsevere Sulphide Program	STCDH_006	46.799999	48.599998	SHA	SHC	SD
Kinsevere Sulphide Program	STCDH_006	48.599998	54	SHA	SHC	SD
Kinsevere Sulphide Program	STCDH_006	54	56.5	NR		
Kinsevere Sulphide Program	STCDH_006	56.5	74	SHC		SD
Kinsevere Sulphide Program	STCDH_006	74	106.9	SHA	SHC	SD
Kinsevere Sulphide Program	STCDH_006	106.9	117.5	SHC		SD
Kinsevere Sulphide Program	STCDH_006	117.5	120.25	SHDL	SLT	SD
Kinsevere Sulphide Program	STCDH_006	120.25	126	SHC		SD
Kinsevere Sulphide Program	STCDH_006	126	134	SHDL	SHA	SD
Kinsevere Sulphide Program	STCDH_006	134	136.60001	DLH	SHDL	
Kinsevere Sulphide Program	STCDH_006	136.60001	144.8	DLB	DLH	DSTR
Kinsevere Sulphide Program	STCDH_006	144.8	146	NR		NR
Kinsevere Sulphide Program	STCDH_006	146	151	ARG		GRAT
Kinsevere Sulphide Program	STCDH_007	0	1.5	NR		
Kinsevere Sulphide Program	STCDH_007	1.5	6	DBX		CMN
Kinsevere Sulphide Program	STCDH_007	6	7.5	NR		
Kinsevere Sulphide Program	STCDH_007	7.5	13.5	DBX		CMN
Kinsevere Sulphide Program	STCDH_007	13.5	18	NR		
Kinsevere Sulphide Program	STCDH_008	0	12	DBX		CMN
Kinsevere Sulphide Program	STCDH_008	12	17	HBX	MUD	FZ
Kinsevere Sulphide Program	STCDH_008	12	17	HBX	MUD	FZ
Kinsevere Sulphide Program	STCDH_008	17	22.5	HBX	MUD	FZ
Kinsevere Sulphide Program	STCDH_008	22.5	24	NR		
Kinsevere Sulphide Program	STCDH_008	24	33	HBX		FZ
Kinsevere Sulphide Program	STCDH_008	33	34.599998	DBX		CMN
Kinsevere Sulphide Program	STCDH_008	34.599998	37.5	DBX		FZ
Kinsevere Sulphide Program	STCDH_008	37.5	39	NR		
Kinsevere Sulphide Program	STCDH_008	39	48	DBX		CMN
Kinsevere Sulphide Program	STCDH_008	48	49.5	NR		
Kinsevere Sulphide Program	STCDH_008	49.5	59	DBX	HBX	CMN
Kinsevere Sulphide Program	STCDH_008	49.5	59	DBX	HBX	CMN
Kinsevere Sulphide Program	STCDH_009	0	4	DBX		CMN
Kinsevere Sulphide Program	STCDH_009	4	12	DLM		CMN
Kinsevere Sulphide Program	STCDH_009	12	19.5	HBX		FZ
Kinsevere Sulphide Program	STCDH_009	19.5	21	NR		NR
Kinsevere Sulphide Program	STCDH_009	21	24	DBX		FZ
Kinsevere Sulphide Program	STCDH_009	24	25.5	NR		NR
Kinsevere Sulphide Program	STCDH_009	25.5	28.5	DBX		CMN
Kinsevere Sulphide Program	STCDH_009	28.5	30	NR		NR
Kinsevere Sulphide Program	STCDH_009	30	33	DBX	DLM	CMN
Kinsevere Sulphide Program	STCDH_009	33	36	NR		NR
Kinsevere Sulphide Program	STCDH_009	36	40.299999	DLM		CMN
Kinsevere Sulphide Program	STCDH_009	40.299999	41.220001	DLM		CMN
Kinsevere Sulphide Program	STCDH_009	41.220001	42	HBX		FZ
Kinsevere Sulphide Program	STCDH_009	42	43.5	NR		NR
Kinsevere Sulphide Program	STCDH_009	43.5	45.5	HBX		FZ
Kinsevere Sulphide Program	STCDH_009	45.5	47.5	DLB		CMN
Kinsevere Sulphide Program	STCDH_009	47.5	69	DBX	HBX	FZ
Kinsevere Sulphide Program	STCDH_009	47.5	69	DBX	HBX	FZ

Kinsevere Sulphide Program	STCDH_009	69	73.800003	DLM		CMN
Kinsevere Sulphide Program	STCDH_009	73.800003	77.370003	DLB		CMN
Kinsevere Sulphide Program	STCDH_009	77.370003	81	SHDL		CMN
Kinsevere Sulphide Program	STCDH_009	81	88.400002	DLB		CMN
Kinsevere Sulphide Program	STCDH_009	81	88.400002	DLB		CMN
Kinsevere Sulphide Program	STCDH_009	88.400002	104.1	DLC	SHC	CMN
Kinsevere Sulphide Program	STCDH_009	104.1	115	DLB	DLC	CMN
Kinsevere Sulphide Program	STCDH_009	115	121	SHC		CMN
Kinsevere Sulphide Program	STCDH_009	121	141	DLB		CMN
Kinsevere Sulphide Program	STCDH_009	121	141	DLB		CMN
Kinsevere Sulphide Program	STCDH_009	141	147.25	SHC	DLC	SD
Kinsevere Sulphide Program	STCDH_009	141	147.25	SHC	DLC	SD
Kinsevere Sulphide Program	STCDH_009	141	147.25	SHC	DLC	SD
Kinsevere Sulphide Program	STCDH_009	147.25	151.75	DLM	DLH	SD
Kinsevere Sulphide Program	STCDH_009	147.25	151.75	DLM	DLH	SD
Kinsevere Sulphide Program	STCDH_009	151.75	153	SHC		SD
Kinsevere Sulphide Program	STCDH_009	153	183.7	SHDL	DLH	SD
Kinsevere Sulphide Program	STCDH_009	153	183.7	SHDL	DLH	SD
Kinsevere Sulphide Program	STCDH_009	153	183.7	SHDL	DLH	SD
Kinsevere Sulphide Program	STCDH_009	183.7	208.23	SHC		SD
Kinsevere Sulphide Program	STCDH_009	208.23	210.33	SHDL		SD
Kinsevere Sulphide Program	STCDH_009	210.33	211.25	SHC		SD
Kinsevere Sulphide Program	STCDH_009	211.25	212.5	SHDL	VC	SD
Kinsevere Sulphide Program	STCDH_009	212.5	218.8	SHC	SHDL	SD
Kinsevere Sulphide Program	STCDH_009	212.5	218.8	SHC	SHDL	SD
Kinsevere Sulphide Program	STCDH_009	218.8	222	DLC	SHC	SD
Kinsevere Sulphide Program	STCDH_009	222	234	SHC		SD
Kinsevere Sulphide Program	STCDH_009	234	237	NR		NR
Kinsevere Sulphide Program	STCDH_009	237	240	ARG		RRAT
Kinsevere Sulphide Program	STCDH_009	237	240	ARG		RRAT
Kinsevere Sulphide Program	STCDH_009	240	246	ARG		RRAT
Kinsevere Sulphide Program	STCDH_009	240.60001	246	ARG		RRAT
Kinsevere Sulphide Program	STCDH_009	246	252	BARG		RATB
Kinsevere Sulphide Program	STCDH_009	246	252	BARG		RATB
Kinsevere Sulphide Program	STCDH_010	0	1.5	SHA		SD
Kinsevere Sulphide Program	STCDH_010	1.5	4.0999999	NR		NR
Kinsevere Sulphide Program	STCDH_010	4.0999999	7.0999999	SHA	SHDL	SD
Kinsevere Sulphide Program	STCDH_010	7.0999999	10	NR		NR
Kinsevere Sulphide Program	STCDH_010	10	15.7	SHA		SD
Kinsevere Sulphide Program	STCDH_010	15.7	35.599998	SHC	MX	SD
Kinsevere Sulphide Program	STCDH_011	0	4.5	SHC		SD
Kinsevere Sulphide Program	STCDH_011	4.5	6	NR		NR
Kinsevere Sulphide Program	STCDH_011	6	9	SHC		SD
Kinsevere Sulphide Program	STCDH_011	9	12	NR		NR
Kinsevere Sulphide Program	STCDH_011	12	13.5	SHC		SD
Kinsevere Sulphide Program	STCDH_011	13.5	16.65	SHA	SHC	SD
Kinsevere Sulphide Program	STCDH_011	16.65	19.5	SHC		SD
Kinsevere Sulphide Program	STCDH_011	19.5	41.720001	SHA		SD
Kinsevere Sulphide Program	STCDH_011	41.720001	46.599998	SHC		SD
Kinsevere Sulphide Program	STCDH_011	46.599998	49.099998	SHC		SD
Kinsevere Sulphide Program	STCDH_011	49.099998	60	SHC		SD
Kinsevere Sulphide Program	STCDH_012	0	6.3499999	SHDL		SD
Kinsevere Sulphide Program	STCDH_012	6.3499999	12.25	SHDL		SD
Kinsevere Sulphide Program	STCDH_012	12.25	20	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_012	20	39.5	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_012	39.5	40	NR		NR
Kinsevere Sulphide Program	STCDH_012	40	52	SHC		SD
Kinsevere Sulphide Program	STCDH_012	52	56.459999	SHDL		SD
Kinsevere Sulphide Program	STCDH_012	52	56.459999	SHDL		SD
Kinsevere Sulphide Program	STCDH_012	56.459999	75.300003	SHC	SHA	SD
Kinsevere Sulphide Program	STCDH_012	75.300003	89.300003	SHDL	SHC	SD
Kinsevere Sulphide Program	STCDH_012	75.300003	89.300003	SHDL	SHC	SD
Kinsevere Sulphide Program	STCDH_012	75.300003	89.300003	SHDL	SHC	SD

Kinsevere Sulphide Program	STCDH_012	89.300003	92.699997	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_012	92.699997	96.720001	SHA		SD
Kinsevere Sulphide Program	STCDH_012	96.720001	100.7	SHC	SHA	SD
Kinsevere Sulphide Program	STCDH_012	100.7	117.8	SHA		SD
Kinsevere Sulphide Program	STCDH_012	117.8	123.5	SHC		SD
Kinsevere Sulphide Program	STCDH_012	123.5	128.89999	CF		FZ
Kinsevere Sulphide Program	STCDH_012	128.89999	146.45	SHC	SHA	SD
Kinsevere Sulphide Program	STCDH_012	146.45	164.89999	SHC	SHA	SD
Kinsevere Sulphide Program	STCDH_012	146.45	164.89999	SHC	SHA	SD
Kinsevere Sulphide Program	STCDH_012	164.89999	186.46001	SHC		SD
Kinsevere Sulphide Program	STCDH_012	169.2	169.39999	MX	FZ	FZ
Kinsevere Sulphide Program	STCDH_012	169.39999	181.3	DLB		CMN
Kinsevere Sulphide Program	STCDH_012	169.39999	181.3	DLB		CMN
Kinsevere Sulphide Program	STCDH_012	169.39999	181.3	DLB		CMN
Kinsevere Sulphide Program	STCDH_012	181.3	185.55	SHR	DLB	CMN
Kinsevere Sulphide Program	STCDH_012	181.3	185.55	SHR	DLB	CMN
Kinsevere Sulphide Program	STCDH_012	185.55	186.10001	HBX		FZ
Kinsevere Sulphide Program	STCDH_012	185.55	186.10001	HBX		FZ
Kinsevere Sulphide Program	STCDH_012	186.10001	192.5	DLB		CMN
Kinsevere Sulphide Program	STCDH_012	186.46001	189.2	SHA		SD
Kinsevere Sulphide Program	STCDH_012	192.5	194.60001	SHC		CMN
Kinsevere Sulphide Program	STCDH_012	192.5	194.60001	SHC		CMN
Kinsevere Sulphide Program	STCDH_012	194.60001	210	DLB		CMN
Kinsevere Sulphide Program	STCDH_013	0	7.5799999	SHDL		SD
Kinsevere Sulphide Program	STCDH_013	7.5799999	15	NR		FZ
Kinsevere Sulphide Program	STCDH_013	15	33	MEL	HBX	FZ
Kinsevere Sulphide Program	STCDH_013	15	33	MEL	HBX	FZ
Kinsevere Sulphide Program	STCDH_013	33	34.5	NR		NR
Kinsevere Sulphide Program	STCDH_013	34.5	36	HBX		FZ
Kinsevere Sulphide Program	STCDH_013	36	40.5	NR		FZ
Kinsevere Sulphide Program	STCDH_013	40.5	42	DBX		FZ
Kinsevere Sulphide Program	STCDH_013	42	47.650002	DLB		CMN
Kinsevere Sulphide Program	STCDH_013	47.650002	49.450001	NR		NR
Kinsevere Sulphide Program	STCDH_013	49.450001	50.400002	MUD		UNK
Kinsevere Sulphide Program	STCDH_013	50.400002	72.449997	DLB		CMN
Kinsevere Sulphide Program	STCDH_013	72.449997	75.050003	CF		FZ
Kinsevere Sulphide Program	STCDH_013	75.050003	84.449997	DLB		CMN
Kinsevere Sulphide Program	STCDH_013	75.050003	84.449997	DLB		CMN
Kinsevere Sulphide Program	STCDH_013	84.449997	102.45	DLB		CMN
Kinsevere Sulphide Program	STCDH_013	84.449997	102.45	DLB		CMN
Kinsevere Sulphide Program	STCDH_013	102.45	103.75	SHC		CMN
Kinsevere Sulphide Program	STCDH_013	102.45	103.75	SHC		CMN
Kinsevere Sulphide Program	STCDH_013	103.75	106.45	NR		NR
Kinsevere Sulphide Program	STCDH_013	106.45	110.2	DLB	SHC	CMN
Kinsevere Sulphide Program	STCDH_013	106.45	110.2	DLB	SHC	CMN
Kinsevere Sulphide Program	STCDH_013	110.2	111	DLC		SD
Kinsevere Sulphide Program	STCDH_013	110.2	111	DLC		SD
Kinsevere Sulphide Program	STCDH_013	110.2	111	DLC		SD
Kinsevere Sulphide Program	STCDH_013	111	119.2	SHDL	DLH	SD
Kinsevere Sulphide Program	STCDH_013	111	119.2	SHDL	DLH	SD
Kinsevere Sulphide Program	STCDH_013	111	119.2	SHDL	DLH	SD
Kinsevere Sulphide Program	STCDH_013	119.2	121	SHC		SD
Kinsevere Sulphide Program	STCDH_013	119.2	121	SHC		SD
Kinsevere Sulphide Program	STCDH_013	121	125.6	SHC		SD
Kinsevere Sulphide Program	STCDH_013	121	125.6	SHC		SD
Kinsevere Sulphide Program	STCDH_013	125.6	153.39999	DLC	SHC	SD
Kinsevere Sulphide Program	STCDH_013	125.6	153.39999	DLC	SHC	SD
Kinsevere Sulphide Program	STCDH_013	125.6	153.39999	DLC	SHC	SD
Kinsevere Sulphide Program	STCDH_013	153.39999	163.95	DLM	DLC	SD
Kinsevere Sulphide Program	STCDH_013	153.39999	163.95	DLM	DLC	SD
Kinsevere Sulphide Program	STCDH_013	163.95	183.55	DLC	SHC	CMN
Kinsevere Sulphide Program	STCDH_013	163.95	183.55	DLC	SHC	CMN
Kinsevere Sulphide Program	STCDH_013	183.55	194.45	DLC	SHC	CMN

Kinsevere Sulphide Program	STCDH_013	183.55	194.45	DLC	SHC	CMN
Kinsevere Sulphide Program	STCDH_013	194.45	204.45	DLC	DLM	CMN
Kinsevere Sulphide Program	STCDH_013	194.45	204.45	DLC	DLM	CMN
Kinsevere Sulphide Program	STCDH_014	0	3	SHA		SD
Kinsevere Sulphide Program	STCDH_014	3	3.75	NR		NR
Kinsevere Sulphide Program	STCDH_014	3.75	6.75	SHA		SD
Kinsevere Sulphide Program	STCDH_014	6.75	7.5	NR		NR
Kinsevere Sulphide Program	STCDH_014	7.5	20	SHC		SD
Kinsevere Sulphide Program	STCDH_014	15	16.5	NR		
Kinsevere Sulphide Program	STCDH_014	16.5	29.1	SHC		SD
Kinsevere Sulphide Program	STCDH_014	20	28	SHC		SD
Kinsevere Sulphide Program	STCDH_014	28	36	SHDL		SD
Kinsevere Sulphide Program	STCDH_014	29.1	36	SHDL		SD
Kinsevere Sulphide Program	STCDH_014	36	43.5	NR		NR
Kinsevere Sulphide Program	STCDH_014	43.5	46.5	SHDL		SD
Kinsevere Sulphide Program	STCDH_014	46.5	48	NR		NR
Kinsevere Sulphide Program	STCDH_014	48	51	SHDL		SD
Kinsevere Sulphide Program	STCDH_014	51	54	NR		NR
Kinsevere Sulphide Program	STCDH_014	54	54.75	SHDL	SHA	SD
Kinsevere Sulphide Program	STCDH_014	54.75	55.5	NR		NR
Kinsevere Sulphide Program	STCDH_014	55.5	57	SHDL	MX	SD
Kinsevere Sulphide Program	STCDH_014	57	62.599998	DLB		CMN
Kinsevere Sulphide Program	STCDH_014	57	62.599998	DLB		CMN
Kinsevere Sulphide Program	STCDH_014	62.599998	63	NR		NR
Kinsevere Sulphide Program	STCDH_014	63	66.900002	DLB		CMN
Kinsevere Sulphide Program	STCDH_014	66.900002	68.5	SHC		CMN
Kinsevere Sulphide Program	STCDH_014	68.5	71.599998	DLB	DLC	CMN
Kinsevere Sulphide Program	STCDH_014	71.599998	73.099998	NR		NR
Kinsevere Sulphide Program	STCDH_014	73.099998	104.7	DLM		CMN
Kinsevere Sulphide Program	STCDH_014	104.7	107.45	SHC		CMN
Kinsevere Sulphide Program	STCDH_014	104.7	107.45	SHC		CMN
Kinsevere Sulphide Program	STCDH_014	107.45	190	DLB		CMN
Kinsevere Sulphide Program	STCDH_014	190	192.39999	DBX	VC	FZ
Kinsevere Sulphide Program	STCDH_014	190	192.39999	DBX	VC	FZ
Kinsevere Sulphide Program	STCDH_014	192.39999	231	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_014	231	247.8	DLH	SHDL	SD
Kinsevere Sulphide Program	STCDH_014	231	247.8	DLH	SHDL	SD
Kinsevere Sulphide Program	STCDH_014	247.8	256	SHC		SD
Kinsevere Sulphide Program	STCDH_015					
Kinsevere Sulphide Program	STCDH_016	0	9	NR		
Kinsevere Sulphide Program	STCDH_016	9	10.5	DLB		CMN
Kinsevere Sulphide Program	STCDH_016	9	10.5	DLB		CMN
Kinsevere Sulphide Program	STCDH_016	10.5	12	NR		
Kinsevere Sulphide Program	STCDH_016	12	13.5	DLB		CMN
Kinsevere Sulphide Program	STCDH_016	12	13.5	DLB		CMN
Kinsevere Sulphide Program	STCDH_016	13.5	20.700001	DLB		CMN
Kinsevere Sulphide Program	STCDH_016	13.5	20.700001	DLB		CMN
Kinsevere Sulphide Program	STCDH_016	13.5	20.700001	DLB		CMN
Kinsevere Sulphide Program	STCDH_016	20.700001	33.799999	DLH	DLB	CMN
Kinsevere Sulphide Program	STCDH_016	33.799999	45.400002	DLH	SHDL	CMN
Kinsevere Sulphide Program	STCDH_016	45.400002	65.5	DLM		CMN
Kinsevere Sulphide Program	STCDH_016	45.400002	65.5	DLM		CMN
Kinsevere Sulphide Program	STCDH_017	0	18.1	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_017	18.1	32.549999	SHA	SHC	SD
Kinsevere Sulphide Program	STCDH_017	18.1	32.549999	SHA	SHC	SD
Kinsevere Sulphide Program	STCDH_017	32.549999	35.700001	MX	SHA	SD
Kinsevere Sulphide Program	STCDH_017	32.549999	35.700001	MX	SHA	SD
Kinsevere Sulphide Program	STCDH_017	35.700001	36	DLB		DSTR
Kinsevere Sulphide Program	STCDH_017	36	37.5	NR		NR
Kinsevere Sulphide Program	STCDH_017	37.5	44	ARG	BARG	GRAT
Kinsevere Sulphide Program	STCDH_017	44	104	RATB		RATB
Kinsevere Sulphide Program	STCDH_017	44	104	RATB		RATB
Kinsevere Sulphide Program	STCDH_017	44	104	RATB		RATB

Kinsevere Sulphide Program	STCDH_017	44	104	RATB		RATB
Kinsevere Sulphide Program	STCDH_018	0	81	BARG		RATB
Kinsevere Sulphide Program	STCDH_018	81	86.099998	ARG		RAT
Kinsevere Sulphide Program	STCDH_018	81	86.099998	ARG		RAT
Kinsevere Sulphide Program	STCDH_018	81	86.099998	ARG		RAT
Kinsevere Sulphide Program	STCDH_018	81	86.099998	ARG		RAT
Kinsevere Sulphide Program	STCDH_018	86.099998	90	DARG		RAT
Kinsevere Sulphide Program	STCDH_018	86.099998	90	DARG		RAT
Kinsevere Sulphide Program	STCDH_019	0	6	SHDL		SD
Kinsevere Sulphide Program	STCDH_019	6	7.3000002	SHC		SD
Kinsevere Sulphide Program	STCDH_019	7.3000002	9.5	SHDL	SHC	SD
Kinsevere Sulphide Program	STCDH_019	9.5	21	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_019	9.5	21	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_019	21	29	CARS		SD
Kinsevere Sulphide Program	STCDH_019	29	54.5	SHC	DLC	SD
Kinsevere Sulphide Program	STCDH_019	54.5	56.400002	SHC		SD
Kinsevere Sulphide Program	STCDH_019	54.5	56.400002	SHC		SD
Kinsevere Sulphide Program	STCDH_019	56.400002	61.560001	SHA	HBX	SD
Kinsevere Sulphide Program	STCDH_019	56.400002	61.560001	SHA	HBX	SD
Kinsevere Sulphide Program	STCDH_019	61.560001	69.5	RATB		RATB
Kinsevere Sulphide Program	STCDH_019	61.560001	69.5	RATB		RATB
Kinsevere Sulphide Program	STCDH_019	61.560001	69.5	RATB		RATB
Kinsevere Sulphide Program	STCDH_019	69.5	70.349998	HBX	SHR	FZ
Kinsevere Sulphide Program	STCDH_019	69.5	70.349998	HBX	SHR	FZ
Kinsevere Sulphide Program	STCDH_019	70.349998	119	RATB		RATB
Kinsevere Sulphide Program	STCDH_019	70.349998	119	RATB		RATB
Kinsevere Sulphide Program	STCDH_019	70.349998	119	RATB		RATB
Kinsevere Sulphide Program	STCDH_020	0	24.9	ARG		RAT
Kinsevere Sulphide Program	STCDH_020	24.9	42.5	ARG		GRAT
Kinsevere Sulphide Program	STCDH_020	24.9	42.5	ARG		GRAT
Kinsevere Sulphide Program	STCDH_020	24.9	42.5	ARG		GRAT
Kinsevere Sulphide Program	STCDH_020	42.5	45.799999	ARG		GRAT
Kinsevere Sulphide Program	STCDH_020	42.5	45.799999	ARG		GRAT
Kinsevere Sulphide Program	STCDH_020	45.799999	47.900002	DLB	DLH	DSTR
Kinsevere Sulphide Program	STCDH_020	47.900002	48.900002	NR		NR
Kinsevere Sulphide Program	STCDH_020	48.900002	50	DLH		RSF
Kinsevere Sulphide Program	STCDH_020	50	61.5	SHA		SD
Kinsevere Sulphide Program	STCDH_020	61.5	63.5	NR		NR
Kinsevere Sulphide Program	STCDH_020	63.5	69	SHA	SHDL	SD
Kinsevere Sulphide Program	STCDH_021	0	3	NR		NR
Kinsevere Sulphide Program	STCDH_021	3	6	SHA		SD
Kinsevere Sulphide Program	STCDH_021	6	7.5	NR		NR
Kinsevere Sulphide Program	STCDH_021	7.5	9	CF		UNK
Kinsevere Sulphide Program	STCDH_021	9	13.5	NR		NR
Kinsevere Sulphide Program	STCDH_021	13.5	17.23	ARG		RAT
Kinsevere Sulphide Program	STCDH_021	17.23	18.299999	SHA	SHC	SD
Kinsevere Sulphide Program	STCDH_021	18.299999	31.33	RATB		SD
Kinsevere Sulphide Program	STCDH_021	18.299999	31.33	RATB		SD
Kinsevere Sulphide Program	STCDH_021	18.299999	31.33	RATB		SD
Kinsevere Sulphide Program	STCDH_021	18.299999	31.33	RATB		SD
Kinsevere Sulphide Program	STCDH_021	31.33	32.200001	ARG	RATB	SD
Kinsevere Sulphide Program	STCDH_021	32.200001	32.900002	RATB	HBX	RATB
Kinsevere Sulphide Program	STCDH_021	32.200001	32.900002	RATB	HBX	RATB
Kinsevere Sulphide Program	STCDH_021	32.900002	34.200001	RATB		RATB
Kinsevere Sulphide Program	STCDH_021	34.200001	98.230003	ARG		RAT
Kinsevere Sulphide Program	STCDH_021	34.200001	98.230003	ARG		RAT
Kinsevere Sulphide Program	STCDH_021	34.200001	98.230003	ARG		RAT
Kinsevere Sulphide Program	STCDH_022	0	11	SHA		SD
Kinsevere Sulphide Program	STCDH_022	11	15.15	SHC		SD
Kinsevere Sulphide Program	STCDH_022	15.15	27.9	SHA	SHDL	SD
Kinsevere Sulphide Program	STCDH_022	27.9	35.130001	MX		SD
Kinsevere Sulphide Program	STCDH_022	27.9	35.130001	MX		SD
Kinsevere Sulphide Program	STCDH_022	35.130001	38	SHA		SD

Kinsevere Sulphide Program	STCDH_022	38	47.299999	SHC		SD
Kinsevere Sulphide Program	STCDH_022	47.299999	48.799999	RATB		FZ
Kinsevere Sulphide Program	STCDH_022	48.799999	55.740002	SHC	MX	SD
Kinsevere Sulphide Program	STCDH_022	55.740002	83.75	RATB	ARG	RATB
Kinsevere Sulphide Program	STCDH_022	55.740002	83.75	RATB	ARG	RATB
Kinsevere Sulphide Program	STCDH_022	83.75	88.580002	HBX		FZ
Kinsevere Sulphide Program	STCDH_022	83.75	88.580002	HBX		FZ
Kinsevere Sulphide Program	STCDH_022	83.75	88.580002	HBX		FZ
Kinsevere Sulphide Program	STCDH_022	88.580002	95	SHC		SD
Kinsevere Sulphide Program	STCDH_022	95	106.9	SHA	SHDL	SD
Kinsevere Sulphide Program	STCDH_022	95	106.9	SHA	SHDL	SD
Kinsevere Sulphide Program	STCDH_022	106.9	125.85	SHA	SHC	SD
Kinsevere Sulphide Program	STCDH_022	106.9	125.85	SHA	SHC	SD
Kinsevere Sulphide Program	STCDH_022	106.9	125.85	SHA	SHC	SD
Kinsevere Sulphide Program	STCDH_022	125.85	141.34	DLB		CMN
Kinsevere Sulphide Program	STCDH_022	125.85	141.34	DLB		CMN
Kinsevere Sulphide Program	STCDH_022	141.34	145.75	SHC		CMN
Kinsevere Sulphide Program	STCDH_022	145.75	170	DLB	DLH	CMN
Kinsevere Sulphide Program	STCDH_022	170	171.5	DLB		CMN
Kinsevere Sulphide Program	STCDH_022	171.5	172.14	HBX		FZ
Kinsevere Sulphide Program	STCDH_022	171.5	172.14	HBX		FZ
Kinsevere Sulphide Program	STCDH_022	171.5	172.14	HBX		FZ
Kinsevere Sulphide Program	STCDH_022	172.14	182.85001	RATB		RATB
Kinsevere Sulphide Program	STCDH_022	172.14	182.85001	RATB		RATB
Kinsevere Sulphide Program	STCDH_023	0	21.200001	SHA		SD
Kinsevere Sulphide Program	STCDH_023	21.200001	28.75	SHA	MX	SD
Kinsevere Sulphide Program	STCDH_023	28.75	30	HBX	RATB	FZ
Kinsevere Sulphide Program	STCDH_023	28.75	30	HBX	RATB	FZ
Kinsevere Sulphide Program	STCDH_023	30	36	MX		SD
Kinsevere Sulphide Program	STCDH_023	36	39.169998	SHC		SD
Kinsevere Sulphide Program	STCDH_023	39.169998	57	SHA		SD
Kinsevere Sulphide Program	STCDH_023	57	59	SHC		SD
Kinsevere Sulphide Program	STCDH_023	59	66	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_023	66	72	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_023	72	93.800003	SHA	SHDL	SD
Kinsevere Sulphide Program	STCDH_023	93.800003	95.300003	NR		NR
Kinsevere Sulphide Program	STCDH_023	95.300003	98.300003	SHDL	MX	SD
Kinsevere Sulphide Program	STCDH_023	98.300003	99.800003	NR		NR
Kinsevere Sulphide Program	STCDH_023	99.800003	108.8	SHC	DLC	SD
Kinsevere Sulphide Program	STCDH_023	108.8	118.8	NR		NR
Kinsevere Sulphide Program	STCDH_023	118.8	123.3	DLB		CMN
Kinsevere Sulphide Program	STCDH_023	118.8	123.3	DLB		CMN
Kinsevere Sulphide Program	STCDH_023	123.3	124.9	SHC		CMN
Kinsevere Sulphide Program	STCDH_023	124.9	140.3	DLB		CMN
Kinsevere Sulphide Program	STCDH_023	124.9	140.3	DLB		CMN
Kinsevere Sulphide Program	STCDH_023	140.3	142.89999	SHC	DLC	CMN
Kinsevere Sulphide Program	STCDH_023	142.89999	158.78	DLB	SHC	CMN
Kinsevere Sulphide Program	STCDH_023	158.78	159.8	RATB		FZ
Kinsevere Sulphide Program	STCDH_023	158.78	159.8	RATB		FZ
Kinsevere Sulphide Program	STCDH_023	159.8	160.60001	DBX		CMN
Kinsevere Sulphide Program	STCDH_023	160.60001	162.5	DLB		CMN
Kinsevere Sulphide Program	STCDH_023	162.5	164.74001	HBX	RATB	FZ
Kinsevere Sulphide Program	STCDH_023	162.5	164.74001	HBX	RATB	FZ
Kinsevere Sulphide Program	STCDH_023	164.74001	170	DBX		FZ
Kinsevere Sulphide Program	STCDH_023	170	174.3	BARG		RAT
Kinsevere Sulphide Program	STCDH_023	170	174.3	BARG		RAT
Kinsevere Sulphide Program	STCDH_023	170	174.3	BARG		RAT
Kinsevere Sulphide Program	STCDH_023	174.3	179.55	SHC		SD
Kinsevere Sulphide Program	STCDH_023	179.55	180.85001	VC		UNK
Kinsevere Sulphide Program	STCDH_023	180.85001	182.7	SHC		SD
Kinsevere Sulphide Program	STCDH_023	182.7	199.5	ARG	BARG	RAT
Kinsevere Sulphide Program	STCDH_023	182.7	199.5	ARG	BARG	RAT
Kinsevere Sulphide Program	STCDH_023	199.5	207.5	HBX		FZ

Kinsevere Sulphide Program	STCDH_023	199.5	207.5	HBX		FZ
Kinsevere Sulphide Program	STCDH_023	207.5	231.8	SHDL	DLB	CMN
Kinsevere Sulphide Program	STCDH_023	207.5	231.8	SHDL	DLB	CMN
Kinsevere Sulphide Program	STCDH_023	207.5	231.8	SHDL	DLB	CMN
Kinsevere Sulphide Program	STCDH_024					
Kinsevere Sulphide Program	STCDH_025	0	20.1	SHC		SD
Kinsevere Sulphide Program	STCDH_025	20.1	39.700001	SHDL		SD
Kinsevere Sulphide Program	STCDH_025	39.700001	65.900002	SHC	SHA	SD
Kinsevere Sulphide Program	STCDH_025	65.900002	75.5	SHA	SHDL	SD
Kinsevere Sulphide Program	STCDH_025	75.5	78.5	NR		
Kinsevere Sulphide Program	STCDH_025	78.5	81.5	SHA		SD
Kinsevere Sulphide Program	STCDH_025	81.5	84.5	FIL	FZ	UNK
Kinsevere Sulphide Program	STCDH_025	84.5	133.3	DLM	SHC	CMN
Kinsevere Sulphide Program	STCDH_025	84.5	133.3	DLM	SHC	CMN
Kinsevere Sulphide Program	STCDH_025	84.5	133.3	DLM	SHC	CMN
Kinsevere Sulphide Program	STCDH_025	133.3	153.03999	MEL		FZ
Kinsevere Sulphide Program	STCDH_025	133.3	153.03999	MEL		FZ
Kinsevere Sulphide Program	STCDH_025	133.3	153.03999	MEL		FZ
Kinsevere Sulphide Program	STCDH_025	153.03999	164	SHC	SHDL	SD
Kinsevere Sulphide Program	STCDH_025	153.03999	164	SHC	SHDL	SD
Kinsevere Sulphide Program	STCDH_025	164	168.3	ARG		GRAT
Kinsevere Sulphide Program	STCDH_026	0	7.4000001	SHA		SD
Kinsevere Sulphide Program	STCDH_026	7.4000001	8.5	SHC		SD
Kinsevere Sulphide Program	STCDH_026	8.5	9	SHC		SD
Kinsevere Sulphide Program	STCDH_026	9	12	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_026	12	30	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_026	30	32.400002	SHC		SD
Kinsevere Sulphide Program	STCDH_026	32.400002	34.560001	SHDL	SHA	SD
Kinsevere Sulphide Program	STCDH_026	34.560001	36.439999	SHC		SD
Kinsevere Sulphide Program	STCDH_026	36.439999	38.650002	SHDL		SD
Kinsevere Sulphide Program	STCDH_026	38.650002	43.400002	SHC		SD
Kinsevere Sulphide Program	STCDH_026	43.400002	46.970001	SHC		SD
Kinsevere Sulphide Program	STCDH_026	46.970001	47.080002	SHDL	SHC	SD
Kinsevere Sulphide Program	STCDH_026	47.080002	58	SHC		SD
Kinsevere Sulphide Program	STCDH_027	0	15	SOL		OVB
Kinsevere Sulphide Program	STCDH_027	15	25	SP		OVB
Kinsevere Sulphide Program	STCDH_027	25	60	ARG		GRAT
Kinsevere Sulphide Program	STCDH_027	25	60	ARG		GRAT
Kinsevere Sulphide Program	STCDH_027	60	85.5	DLB		CMN
Kinsevere Sulphide Program	STCDH_027	60	85.5	DLB		CMN
Kinsevere Sulphide Program	STCDH_027	85.5	113	DLM	DLB	CMN
Kinsevere Sulphide Program	STCDH_027	113	148.5	DLB	CHT	CMN
Kinsevere Sulphide Program	STCDH_027	148.5	228.8	DLB	SHA	CMN
Kinsevere Sulphide Program	STCDH_027	148.5	228.8	DLB	SHA	CMN
Kinsevere Sulphide Program	STCDH_027	228.8	230.11	DLH	DLL	CMN
Kinsevere Sulphide Program	STCDH_027	230.11	239.2	DBX	DLM	CMN
Kinsevere Sulphide Program	STCDH_027	230.11	239.2	DBX	DLM	CMN
Kinsevere Sulphide Program	STCDH_027	239.2	247	DLB		CMN
Kinsevere Sulphide Program	STCDH_027	247	259	DLB		CMN
Kinsevere Sulphide Program	STCDH_027	259	265.89999	DLB	DLH	CMN
Kinsevere Sulphide Program	STCDH_027	265.89999	268.29999	SHDL		CMN
Kinsevere Sulphide Program	STCDH_027	265.89999	268.29999	SHDL		CMN
Kinsevere Sulphide Program	STCDH_027	268.29999	279	DLB	DLH	CMN
Kinsevere Sulphide Program	STCDH_027	279	281.20001	DLB	DLH	CMN
Kinsevere Sulphide Program	STCDH_027	281.20001	282.28	SHDL		CMN
Kinsevere Sulphide Program	STCDH_027	281.20001	282.28	SHDL		CMN
Kinsevere Sulphide Program	STCDH_027	282.28	305.60001	DLB	SHDL	CMN
Kinsevere Sulphide Program	STCDH_027	282.28	305.60001	DLB	SHDL	CMN
Kinsevere Sulphide Program	STCDH_027	305.60001	324.39001	DLB		CMN
Kinsevere Sulphide Program	STCDH_027	324.39001	352.17999	DLC	SHC	CMN
Kinsevere Sulphide Program	STCDH_027	329.41	334.35999	DLB		CMN
Kinsevere Sulphide Program	STCDH_027	334.35999	337.88	SHA		CMN
Kinsevere Sulphide Program	STCDH_027	334.35999	337.88	SHA		CMN

Kinsevere Sulphide Program	STCDH_027	337.88	340.85001	DLB		CMN
Kinsevere Sulphide Program	STCDH_027	340.85001	341.39001	HBX		FZ
Kinsevere Sulphide Program	STCDH_027	340.85001	341.39001	HBX		FZ
Kinsevere Sulphide Program	STCDH_027	340.85001	341.39001	HBX		FZ
Kinsevere Sulphide Program	STCDH_027	341.39001	386	DLB	DLC	CMN
Kinsevere Sulphide Program	STCDH_027	341.39001	386	DLB	DLC	CMN
Kinsevere Sulphide Program	STCDH_028	0	50	ARG	RATB	RAT
Kinsevere Sulphide Program	STCDH_028	50	58.5	ARG		RAT
Kinsevere Sulphide Program	STCDH_028	50	58.5	ARG		RAT
Kinsevere Sulphide Program	STCDH_028	50	58.5	ARG		RAT
Kinsevere Sulphide Program	STCDH_028	58.5	115	RATB		RATB
Kinsevere Sulphide Program	STCDH_028	58.5	115	RATB		RATB
Kinsevere Sulphide Program	STCDH_028	58.5	115	RATB		RATB
Kinsevere Sulphide Program	STCDH_028	58.5	115	RATB		RATB
Kinsevere Sulphide Program	STCDH_028	115	129.10001	ARG		RAT
Kinsevere Sulphide Program	STCDH_028	115	129.10001	ARG		RAT
Kinsevere Sulphide Program	STCDH_028	115	129.10001	ARG		RAT
Kinsevere Sulphide Program	STCDH_028	115	129.10001	ARG		RAT
Kinsevere Sulphide Program	STCDH_028	129.10001	130.89999	SHR		FZ
Kinsevere Sulphide Program	STCDH_028	130.89999	132.55	RATB		RATB
Kinsevere Sulphide Program	STCDH_028	130.89999	132.55	RATB		RATB
Kinsevere Sulphide Program	STCDH_028	132.55	136	DLB	DLC	CMN
Kinsevere Sulphide Program	STCDH_028	136	152.5	DLB		CMN
Kinsevere Sulphide Program	STCDH_028	136	152.5	DLB		CMN
Kinsevere Sulphide Program	STCDH_028	152.5	155.39999	DLB	SHR	CMN
Kinsevere Sulphide Program	STCDH_028	152.5	155.39999	DLB	SHR	CMN
Kinsevere Sulphide Program	STCDH_028	155.39999	156	RATB		FZ
Kinsevere Sulphide Program	STCDH_028	155.39999	156	RATB		FZ
Kinsevere Sulphide Program	STCDH_028	155.39999	156	RATB		FZ
Kinsevere Sulphide Program	STCDH_028	156	167.2	ARG		RAT
Kinsevere Sulphide Program	STCDH_029	0	30	RATB		RATB
Kinsevere Sulphide Program	STCDH_029	30	36.5	RATB		RATB
Kinsevere Sulphide Program	STCDH_029	36.5	61.5	RATB		RATB
Kinsevere Sulphide Program	STCDH_029	36.5	61.5	RATB		RATB
Kinsevere Sulphide Program	STCDH_029	36.5	61.5	RATB		RATB
Kinsevere Sulphide Program	STCDH_029	61.5	64.699997	HBX	SHC	FZ
Kinsevere Sulphide Program	STCDH_029	61.5	64.699997	HBX	SHC	FZ
Kinsevere Sulphide Program	STCDH_029	61.5	64.699997	HBX	SHC	FZ
Kinsevere Sulphide Program	STCDH_029	64.699997	74	ARG		GRAT
Kinsevere Sulphide Program	STCDH_029	74	75.5	RATB	SHR	RATB
Kinsevere Sulphide Program	STCDH_029	74	75.5	RATB	SHR	RATB
Kinsevere Sulphide Program	STCDH_029	74	75.5	RATB	SHR	RATB
Kinsevere Sulphide Program	STCDH_029	74	75.5	RATB	SHR	RATB
Kinsevere Sulphide Program	STCDH_029	75.5	78.059998	SHC	SHDL	SD
Kinsevere Sulphide Program	STCDH_029	75.5	78.059998	SHC	SHDL	SD
Kinsevere Sulphide Program	STCDH_029	78.059998	81.120003	RATB		RATB
Kinsevere Sulphide Program	STCDH_029	78.059998	81.120003	RATB		RATB
Kinsevere Sulphide Program	STCDH_029	78.059998	81.120003	RATB		RATB
Kinsevere Sulphide Program	STCDH_029	78.059998	81.120003	RATB		RATB
Kinsevere Sulphide Program	STCDH_029	81.120003	83.139999	DLL	DLB	RSF
Kinsevere Sulphide Program	STCDH_029	83.139999	84.669998	DLB		DSTR
Kinsevere Sulphide Program	STCDH_029	84.669998	86.260002	HBX	DLB	FZ
Kinsevere Sulphide Program	STCDH_029	84.669998	86.260002	HBX	DLB	FZ
Kinsevere Sulphide Program	STCDH_029	86.260002	90.650002	ARG		GRAT
Kinsevere Sulphide Program	STCDH_029	86.260002	90.650002	ARG		GRAT
Kinsevere Sulphide Program	STCDH_029	90.650002	98	ARG		GRAT
Kinsevere Sulphide Program	STCDH_029	98	147.2	ARG		RRAT
Kinsevere Sulphide Program	STCDH_030	0	4.5	ARG		GRAT
Kinsevere Sulphide Program	STCDH_030	4.5	7.0999999	DLB	DLH	DSTR
Kinsevere Sulphide Program	STCDH_030	7.0999999	9	DLH	DLB	RSF
Kinsevere Sulphide Program	STCDH_030	9	45	SHA	SHDL	SD
Kinsevere Sulphide Program	STCDH_030	45	48.700001	MX	SHA	FZ
Kinsevere Sulphide Program	STCDH_030	45	48.700001	MX	SHA	FZ

Kinsevere Sulphide Program	STCDH_030	48.700001	54.400002	RATB	ARG	RATB
Kinsevere Sulphide Program	STCDH_030	48.700001	54.400002	RATB	ARG	RATB
Kinsevere Sulphide Program	STCDH_030	48.700001	54.400002	RATB	ARG	RATB
Kinsevere Sulphide Program	STCDH_030	54.400002	79.199997	BARG	ARG	RATB
Kinsevere Sulphide Program	STCDH_030	54.400002	79.199997	BARG	ARG	RATB
Kinsevere Sulphide Program	STCDH_030	54.400002	79.199997	BARG	ARG	RATB
Kinsevere Sulphide Program	STCDH_030	79.199997	89.360001	ARG		RAT
Kinsevere Sulphide Program	STCDH_030	89.360001	123.1	ARG	RATB	RAT
Kinsevere Sulphide Program	STCDH_030	89.360001	123.1	ARG	RATB	RAT
Kinsevere Sulphide Program	STCDH_030	89.360001	123.1	ARG	RATB	RAT
Kinsevere Sulphide Program	STCDH_031	0	26.559999	ARG		GRAT
Kinsevere Sulphide Program	STCDH_031	25.549999	29.700001	RATB	HBX	FZ
Kinsevere Sulphide Program	STCDH_031	26.559999	29.700001	RATB	HBX	FZ
Kinsevere Sulphide Program	STCDH_031	26.559999	29.700001	RATB	HBX	FZ
Kinsevere Sulphide Program	STCDH_031	29.700001	36	SHC		SD
Kinsevere Sulphide Program	STCDH_031	36	66.230003	SHA		SD
Kinsevere Sulphide Program	STCDH_031	66.230003	68.699997	RATB		RATB
Kinsevere Sulphide Program	STCDH_031	68.699997	71.699997	HBX		FZ
Kinsevere Sulphide Program	STCDH_031	71.699997	73.199997	SHA		SD
Kinsevere Sulphide Program	STCDH_031	71.699997	73.199997	SHA		SD
Kinsevere Sulphide Program	STCDH_031	73.199997	74.699997	HBX		FZ
Kinsevere Sulphide Program	STCDH_031	74.699997	78.699997	RATB		RATB
Kinsevere Sulphide Program	STCDH_031	74.699997	78.699997	RATB		RATB
Kinsevere Sulphide Program	STCDH_031	74.699997	78.699997	RATB		RATB
Kinsevere Sulphide Program	STCDH_031	78.699997	80.699997	NR		NR
Kinsevere Sulphide Program	STCDH_031	80.699997	87.919998	DBX	DLB	CMN
Kinsevere Sulphide Program	STCDH_031	80.699997	87.919998	DBX	DLB	CMN
Kinsevere Sulphide Program	STCDH_031	87.919998	93	RATB		RATB
Kinsevere Sulphide Program	STCDH_031	87.919998	93	RATB		RATB
Kinsevere Sulphide Program	STCDH_031	87.919998	93	RATB		RATB
Kinsevere Sulphide Program	STCDH_031	93	102	SLT	SST	RRAT
Kinsevere Sulphide Program	STCDH_031	93	102	SLT	SST	RRAT
Kinsevere Sulphide Program	STCDH_031	102	108	RATB	SLT	RATB
Kinsevere Sulphide Program	STCDH_031	102	108	RATB	SLT	RATB
Kinsevere Sulphide Program	STCDH_032	0	32.099998	ARG		RAT
Kinsevere Sulphide Program	STCDH_032	32.099998	65.099998	ARG	HBX	RATB
Kinsevere Sulphide Program	STCDH_032	32.099998	65.099998	ARG	HBX	RATB
Kinsevere Sulphide Program	STCDH_032	65.099998	71.300003	DLB		SD
Kinsevere Sulphide Program	STCDH_032	65.099998	71.300003	DLB		SD
Kinsevere Sulphide Program	STCDH_032	71.300003	74.849998	SHC	SHDL	SD
Kinsevere Sulphide Program	STCDH_032	74.849998	76.900002	SHA		SD
Kinsevere Sulphide Program	STCDH_032	76.900002	78.300003	DLB		SD
Kinsevere Sulphide Program	STCDH_032	78.300003	79.099998	SHC		SD
Kinsevere Sulphide Program	STCDH_032	79.099998	98	DLB		SD
Kinsevere Sulphide Program	STCDH_032	79.099998	98	DLB		SD
Kinsevere Sulphide Program	STCDH_032	98	108.2	RATB		RATB
Kinsevere Sulphide Program	STCDH_032	98	108.2	RATB		RATB
Kinsevere Sulphide Program	STCDH_032	98	108.2	RATB		RATB
Kinsevere Sulphide Program	STCDH_032	98	108.2	RATB		RATB
Kinsevere Sulphide Program	STCDH_032	108.2	116.7	DBX		CMN
Kinsevere Sulphide Program	STCDH_032	108.2	116.7	DBX		CMN
Kinsevere Sulphide Program	STCDH_032	116.7	137	DLB	DBX	CMN
Kinsevere Sulphide Program	STCDH_032	116.7	137	DLB	DBX	CMN
Kinsevere Sulphide Program	STCDH_032	137	143.5	DBX	HBX	CMN
Kinsevere Sulphide Program	STCDH_032	137	143.5	DBX	HBX	CMN
Kinsevere Sulphide Program	STCDH_032	143.5	145.35001	RATB		RATB
Kinsevere Sulphide Program	STCDH_032	143.5	145.35001	RATB		RATB
Kinsevere Sulphide Program	STCDH_032	143.5	145.35001	RATB		RATB
Kinsevere Sulphide Program	STCDH_032	143.5	145.35001	RATB		RATB
Kinsevere Sulphide Program	STCDH_032	145.35001	147.60001	ARG		RAT
Kinsevere Sulphide Program	STCDH_032	145.35001	147.60001	ARG		RAT
Kinsevere Sulphide Program	STCDH_032	145.35001	147.60001	ARG		RAT
Kinsevere Sulphide Program	STCDH_033	0	61.82	SHA	SHDL	SD

Kinsevere Sulphide Program	STCDH_033	61.82	67	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_033	67	81.199997	SHC		SD
Kinsevere Sulphide Program	STCDH_033	81.199997	86.5	RATB		RATB
Kinsevere Sulphide Program	STCDH_033	81.199997	86.5	RATB		RATB
Kinsevere Sulphide Program	STCDH_033	81.199997	86.5	RATB		RATB
Kinsevere Sulphide Program	STCDH_033	86.5	116.85	ARG		RAT
Kinsevere Sulphide Program	STCDH_033	116.85	118.16	ARG		GRAT
Kinsevere Sulphide Program	STCDH_033	116.85	118.16	ARG		GRAT
Kinsevere Sulphide Program	STCDH_033	116.85	118.16	ARG		GRAT
Kinsevere Sulphide Program	STCDH_033	118.16	125.2	ARG	SLT	GRAT
Kinsevere Sulphide Program	STCDH_033	118.16	125.2	ARG	SLT	GRAT
Kinsevere Sulphide Program	STCDH_033	118.16	125.2	ARG	SLT	GRAT
Kinsevere Sulphide Program	STCDH_033	118.16	125.2	ARG	SLT	GRAT
Kinsevere Sulphide Program	STCDH_033	125.2	130.89999	ARG	SLT	GRAT
Kinsevere Sulphide Program	STCDH_033	125.2	130.89999	ARG	SLT	GRAT
Kinsevere Sulphide Program	STCDH_033	130.89999	155.7	DLB	DLH	DSTR
Kinsevere Sulphide Program	STCDH_033	130.89999	155.7	DLB	DLH	DSTR
Kinsevere Sulphide Program	STCDH_033	155.7	164.39999	DLC		DSTR
Kinsevere Sulphide Program	STCDH_033	155.7	164.39999	DLC		DSTR
Kinsevere Sulphide Program	STCDH_033	155.7	164.39999	DLC		DSTR
Kinsevere Sulphide Program	STCDH_033	164.39999	165.77	ARG	MX	GRAT
Kinsevere Sulphide Program	STCDH_033	164.39999	165.77	ARG	MX	GRAT
Kinsevere Sulphide Program	STCDH_033	165.77	172	DLB	DLC	DSTR
Kinsevere Sulphide Program	STCDH_033	165.77	172	DLB	DLC	DSTR
Kinsevere Sulphide Program	STCDH_033	165.77	172	DLB	DLC	DSTR
Kinsevere Sulphide Program	STCDH_033	172	179.95	ARG		RATB
Kinsevere Sulphide Program	STCDH_033	179.95	188.45	DLB		DSTR
Kinsevere Sulphide Program	STCDH_033	179.95	188.45	DLB		DSTR
Kinsevere Sulphide Program	STCDH_033	179.95	188.45	DLB		DSTR
Kinsevere Sulphide Program	STCDH_033	188.45	189.85001	RATB		RATB
Kinsevere Sulphide Program	STCDH_033	188.45	189.85001	RATB		RATB
Kinsevere Sulphide Program	STCDH_033	189.85001	195.38	DLB	SHC	DSTR
Kinsevere Sulphide Program	STCDH_033	189.85001	195.38	DLB	SHC	DSTR
Kinsevere Sulphide Program	STCDH_033	189.85001	195.38	DLB	SHC	DSTR
Kinsevere Sulphide Program	STCDH_033	195.38	197	ARG		GRAT
Kinsevere Sulphide Program	STCDH_033	195.38	197	ARG		GRAT
Kinsevere Sulphide Program	STCDH_033	197	207.16	RATB		RATB
Kinsevere Sulphide Program	STCDH_033	197	207.16	RATB		RATB
Kinsevere Sulphide Program	STCDH_033	197	207.16	RATB		RATB
Kinsevere Sulphide Program	STCDH_033	197	207.16	RATB		RATB
Kinsevere Sulphide Program	STCDH_033	207.16	222	ARG		RAT
Kinsevere Sulphide Program	STCDH_033	207.16	222	ARG		RAT
Kinsevere Sulphide Program	STCDH_033	207.16	222	ARG		RAT
Kinsevere Sulphide Program	STCDH_033	207.16	222	ARG		RAT
Kinsevere Sulphide Program	STCDH_034	0	11.2	SLT	SHC	SD
Kinsevere Sulphide Program	STCDH_034	11.2	16.1	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_034	16.1	19.6	SHA		SD
Kinsevere Sulphide Program	STCDH_034	19.6	23.65	SHA		SD
Kinsevere Sulphide Program	STCDH_034	19.6	23.65	SHA		SD
Kinsevere Sulphide Program	STCDH_034	23.65	36.799999	SHA	SHC	SD
Kinsevere Sulphide Program	STCDH_034	36.799999	46	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_034	46	64	CARS		SD
Kinsevere Sulphide Program	STCDH_034	64	70.599998	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_034	64	70.599998	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_034	70.599998	78	SHC		SD
Kinsevere Sulphide Program	STCDH_034	70.599998	78	SHC		SD
Kinsevere Sulphide Program	STCDH_034	78	80.599998	HBX		FZ
Kinsevere Sulphide Program	STCDH_034	78	80.599998	HBX		FZ
Kinsevere Sulphide Program	STCDH_034	78	80.599998	HBX		FZ
Kinsevere Sulphide Program	STCDH_034	78	80.599998	HBX		FZ
Kinsevere Sulphide Program	STCDH_034	80.599998	82.599998	GARG		GRAT
Kinsevere Sulphide Program	STCDH_034	80.599998	82.599998	GARG		GRAT
Kinsevere Sulphide Program	STCDH_034	82.599998	91.800003	RATB		RATB

Kinsevere Sulphide Program	STCDH_034	82.599998	91.800003	RATB		RATB
Kinsevere Sulphide Program	STCDH_034	82.599998	91.800003	RATB		RATB
Kinsevere Sulphide Program	STCDH_034	91.800003	113.05	ARG		RAT
Kinsevere Sulphide Program	STCDH_034	91.800003	113.05	ARG		RAT
Kinsevere Sulphide Program	STCDH_034	113.05	127.6	RATB		RATB
Kinsevere Sulphide Program	STCDH_034	113.05	127.6	RATB		RATB
Kinsevere Sulphide Program	STCDH_034	113.05	127.6	RATB		RATB
Kinsevere Sulphide Program	STCDH_035	0	2.9000001	SLT		SD
Kinsevere Sulphide Program	STCDH_035	2.9000001	4.5999999	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_035	4.5999999	22.5	SLT	SHA	SD
Kinsevere Sulphide Program	STCDH_035	22.5	25.5	NR		
Kinsevere Sulphide Program	STCDH_035	25.5	27	SHA		SD
Kinsevere Sulphide Program	STCDH_035	27	28.5	SHA		SD
Kinsevere Sulphide Program	STCDH_035	28.5	30	NR		
Kinsevere Sulphide Program	STCDH_035	30	33	SHA		SD
Kinsevere Sulphide Program	STCDH_035	33	51	NR		
Kinsevere Sulphide Program	STCDH_035	51	66	SHA		SD
Kinsevere Sulphide Program	STCDH_035	51	66	SHA		SD
Kinsevere Sulphide Program	STCDH_035	66	71.199997	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_035	66	71.199997	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_035	71.199997	81	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_035	81	90.199997	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_035	81	90.199997	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_035	90.199997	96	DLL		RSF
Kinsevere Sulphide Program	STCDH_035	96	103.5	DLB	DLH	RSF
Kinsevere Sulphide Program	STCDH_035	103.5	135	DLC		DSTR
Kinsevere Sulphide Program	STCDH_035	135	145.5	DLC		DSTR
Kinsevere Sulphide Program	STCDH_035	135	145.5	DLC		DSTR
Kinsevere Sulphide Program	STCDH_035	145.5	197.89999	ARG		GRAT
Kinsevere Sulphide Program	STCDH_035	145.5	197.89999	ARG		GRAT
Kinsevere Sulphide Program	STCDH_035	197.89999	205.8	DLB	DLC	DSTR
Kinsevere Sulphide Program	STCDH_035	197.89999	205.8	DLB	DLC	DSTR
Kinsevere Sulphide Program	STCDH_035	205.8	207.8	DLB		DSTR
Kinsevere Sulphide Program	STCDH_035	205.8	207.8	DLB		DSTR
Kinsevere Sulphide Program	STCDH_035	207.8	213.3	DLB	DLH	RSF
Kinsevere Sulphide Program	STCDH_035	207.8	213.3	DLB	DLH	RSF
Kinsevere Sulphide Program	STCDH_035	207.8	213.3	DLB	DLH	RSF
Kinsevere Sulphide Program	STCDH_035	213.3	227	SHC	UNK	SD
Kinsevere Sulphide Program	STCDH_035	227	231	SHC		SD
Kinsevere Sulphide Program	STCDH_035	227	231	SHC		SD
Kinsevere Sulphide Program	STCDH_035	231	240	ARG	BARG	RATB
Kinsevere Sulphide Program	STCDH_036	0	10.5	SHC		SD
Kinsevere Sulphide Program	STCDH_036	10.5	14.5	SHA	SHA	SD
Kinsevere Sulphide Program	STCDH_036	14.5	62	SHA		SD
Kinsevere Sulphide Program	STCDH_036	62	62.5	NR		NR
Kinsevere Sulphide Program	STCDH_036	62.5	98.5	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_036	98.5	100	NR		NR
Kinsevere Sulphide Program	STCDH_036	100	103	SHC		SD
Kinsevere Sulphide Program	STCDH_036	103	113	SHC		SD
Kinsevere Sulphide Program	STCDH_036	103	113	SHC		SD
Kinsevere Sulphide Program	STCDH_036	103	113	SHC		SD
Kinsevere Sulphide Program	STCDH_036	113	203.2	SHC	DLC	SD
Kinsevere Sulphide Program	STCDH_036	113	203.2	SHC	DLC	SD
Kinsevere Sulphide Program	STCDH_036	203.2	209.7	DLC		SD
Kinsevere Sulphide Program	STCDH_036	209.7	228	SHC	DLC	SD
Kinsevere Sulphide Program	STCDH_036	228	232.7	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_036	232.7	235.25	HBX		FZ
Kinsevere Sulphide Program	STCDH_036	232.7	235.25	HBX		FZ
Kinsevere Sulphide Program	STCDH_036	232.7	235.25	HBX		FZ
Kinsevere Sulphide Program	STCDH_036	235.25	250	RATB		RAT
Kinsevere Sulphide Program	STCDH_036	235.25	250	RATB		RAT
Kinsevere Sulphide Program	STCDH_037	0	23.1	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_037	23.1	26.700001	NR		

Kinsevere Sulphide Program	STCDH_037	26.700001	31.299999	SHC		SD
Kinsevere Sulphide Program	STCDH_037	31.299999	33.700001	DLC	SHC	SD
Kinsevere Sulphide Program	STCDH_037	33.700001	36.700001	NR		
Kinsevere Sulphide Program	STCDH_037	36.700001	39.700001	DLC	SHC	SD
Kinsevere Sulphide Program	STCDH_037	39.700001	41.200001	NR		
Kinsevere Sulphide Program	STCDH_037	41.200001	51.700001	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_037	51.700001	62.700001	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_037	62.700001	66.099998	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_037	66.099998	83	SHA	SLT	SD
Kinsevere Sulphide Program	STCDH_037	83	89.449997	SHC		SD
Kinsevere Sulphide Program	STCDH_037	89.449997	92.349998	SLT		SD
Kinsevere Sulphide Program	STCDH_037	92.349998	93.099998	CARS		SD
Kinsevere Sulphide Program	STCDH_037	93.099998	96	SHDL	DLH	SD
Kinsevere Sulphide Program	STCDH_037	96	100	DLB	DLL	RSF
Kinsevere Sulphide Program	STCDH_037	100	101.7	DLB		DSTR
Kinsevere Sulphide Program	STCDH_037	101.7	103.2	NR		
Kinsevere Sulphide Program	STCDH_037	103.2	105	DLH	DLB	SD
Kinsevere Sulphide Program	STCDH_037	103.2	105	DLH	DLB	SD
Kinsevere Sulphide Program	STCDH_037	105	106.7	DLB		DSTR
Kinsevere Sulphide Program	STCDH_037	106.7	110	ARG		GRAT
Kinsevere Sulphide Program	STCDH_037	106.7	110	ARG		GRAT
Kinsevere Sulphide Program	STCDH_037	106.7	110	ARG		GRAT
Kinsevere Sulphide Program	STCDH_037	110	111.9	ARG		GRAT
Kinsevere Sulphide Program	STCDH_037	110	111.9	ARG		GRAT
Kinsevere Sulphide Program	STCDH_037	110	111.9	ARG		GRAT
Kinsevere Sulphide Program	STCDH_037	111.9	136.7	BARG		RATB
Kinsevere Sulphide Program	STCDH_037	111.9	136.7	BARG		RATB
Kinsevere Sulphide Program	STCDH_037	111.9	136.7	BARG		RATB
Kinsevere Sulphide Program	STCDH_038	0	23.5	DLB		CMN
Kinsevere Sulphide Program	STCDH_038	23.5	27	CF	MUD	FZ
Kinsevere Sulphide Program	STCDH_038	27	34.599998	SHDL	ARG	CMN
Kinsevere Sulphide Program	STCDH_038	27	34.599998	SHDL	ARG	CMN
Kinsevere Sulphide Program	STCDH_038	27	34.599998	SHDL	ARG	CMN
Kinsevere Sulphide Program	STCDH_038	34.599998	44.599998	SHDL	DLH	CMN
Kinsevere Sulphide Program	STCDH_038	44.599998	69	HBX	MX	FZ
Kinsevere Sulphide Program	STCDH_038	44.599998	69	HBX	MX	FZ
Kinsevere Sulphide Program	STCDH_038	44.599998	69	HBX	MX	FZ
Kinsevere Sulphide Program	STCDH_038	69	72	NR		
Kinsevere Sulphide Program	STCDH_038	72	73.5	DBX	CF	CMN
Kinsevere Sulphide Program	STCDH_038	72	73.5	DBX	CF	CMN
Kinsevere Sulphide Program	STCDH_038	73.5	75	NR		
Kinsevere Sulphide Program	STCDH_038	75	82.5	SHDL	DLH	CMN
Kinsevere Sulphide Program	STCDH_038	82.5	88.5	DLB	DBX	CMN
Kinsevere Sulphide Program	STCDH_038	88.5	90	NR		
Kinsevere Sulphide Program	STCDH_038	90	94.199997	DBX	MUD	FZ
Kinsevere Sulphide Program	STCDH_038	94.199997	105.5	DBX		CMN
Kinsevere Sulphide Program	STCDH_038	94.199997	105.5	DBX		CMN
Kinsevere Sulphide Program	STCDH_038	105.5	114	SHDL	DLH	CMN
Kinsevere Sulphide Program	STCDH_038	105.5	114	SHDL	DLH	CMN
Kinsevere Sulphide Program	STCDH_038	114	121.5	DBX		FZ
Kinsevere Sulphide Program	STCDH_038	114	121.5	DBX		FZ
Kinsevere Sulphide Program	STCDH_038	121.5	123	NR		
Kinsevere Sulphide Program	STCDH_038	123	124.5	DBX		FZ
Kinsevere Sulphide Program	STCDH_038	124.5	126	SHDL	DLB	CMN
Kinsevere Sulphide Program	STCDH_038	126	129	NR		
Kinsevere Sulphide Program	STCDH_038	129	130.5	CF		FZ
Kinsevere Sulphide Program	STCDH_038	130.5	132	NR		
Kinsevere Sulphide Program	STCDH_038	132	138	SHDL	DLB	CMN
Kinsevere Sulphide Program	STCDH_038	138	152.89999	DLB	SHC	CMN
Kinsevere Sulphide Program	STCDH_038	138	152.89999	DLB	SHC	CMN
Kinsevere Sulphide Program	STCDH_038	152.89999	155.2	DLB		CMN
Kinsevere Sulphide Program	STCDH_038	152.89999	155.2	DLB		CMN
Kinsevere Sulphide Program	STCDH_038	152.89999	155.2	DLB		CMN

Kinsevere Sulphide Program	STCDH_038	155.2	157.5	DLC	DLH	CMN
Kinsevere Sulphide Program	STCDH_038	155.2	157.5	DLC	DLH	CMN
Kinsevere Sulphide Program	STCDH_038	155.2	157.5	DLC	DLH	CMN
Kinsevere Sulphide Program	STCDH_038	155.2	157.5	DLC	DLH	CMN
Kinsevere Sulphide Program	STCDH_038	157.5	159.10001	DLB		CMN
Kinsevere Sulphide Program	STCDH_038	157.5	159.10001	DLB		CMN
Kinsevere Sulphide Program	STCDH_038	159.10001	159.8	SHC	DLC	CMN
Kinsevere Sulphide Program	STCDH_038	159.10001	159.8	SHC	DLC	CMN
Kinsevere Sulphide Program	STCDH_038	159.10001	159.8	SHC	DLC	CMN
Kinsevere Sulphide Program	STCDH_038	159.8	169.3	DLB		CMN
Kinsevere Sulphide Program	STCDH_038	159.8	169.3	DLB		CMN
Kinsevere Sulphide Program	STCDH_038	169.3	170.7	SHC		CMN
Kinsevere Sulphide Program	STCDH_038	170.7	186.89999	DLB		CMN
Kinsevere Sulphide Program	STCDH_038	186.89999	191	SHC		CMN
Kinsevere Sulphide Program	STCDH_038	191	202.5	DLB	SHC	CMN
Kinsevere Sulphide Program	STCDH_038	202.5	211.5	DLB	SHC	SD
Kinsevere Sulphide Program	STCDH_038	202.5	211.5	DLB	SHC	SD
Kinsevere Sulphide Program	STCDH_038	202.5	211.5	DLB	SHC	SD
Kinsevere Sulphide Program	STCDH_038	211.5	232.8	DLH	DLC	SD
Kinsevere Sulphide Program	STCDH_038	211.5	232.8	DLH	DLC	SD
Kinsevere Sulphide Program	STCDH_038	232.8	242.60001	SHC		SD
Kinsevere Sulphide Program	STCDH_039	0	12.6	DLB		CMN
Kinsevere Sulphide Program	STCDH_039	12.6	14.1	NR		
Kinsevere Sulphide Program	STCDH_039	14.1	21.6	DLB	DLH	CMN
Kinsevere Sulphide Program	STCDH_039	14.1	21.6	DLB	DLH	CMN
Kinsevere Sulphide Program	STCDH_039	21.6	23.1	NR		
Kinsevere Sulphide Program	STCDH_039	23.1	26.1	DLB	DLH	CMN
Kinsevere Sulphide Program	STCDH_039	26.1	27.6	NR		
Kinsevere Sulphide Program	STCDH_039	27.6	40.599998	DLB	DLH	CMN
Kinsevere Sulphide Program	STCDH_039	27.6	40.599998	DLB	DLH	CMN
Kinsevere Sulphide Program	STCDH_039	27.6	40.599998	DLB	DLH	CMN
Kinsevere Sulphide Program	STCDH_039	40.599998	43.599998	NR		
Kinsevere Sulphide Program	STCDH_039	43.599998	45.599998	DLM		CMN
Kinsevere Sulphide Program	STCDH_039	45.599998	46.099998	NR		
Kinsevere Sulphide Program	STCDH_039	46.099998	59.220001	DLB	DLC	CMN
Kinsevere Sulphide Program	STCDH_039	59.220001	62.5	SHA		CMN
Kinsevere Sulphide Program	STCDH_039	62.5	76.949997	DLB	SHC	CMN
Kinsevere Sulphide Program	STCDH_039	62.5	76.949997	DLB	SHC	CMN
Kinsevere Sulphide Program	STCDH_039	76.949997	87.099998	SHA		CMN
Kinsevere Sulphide Program	STCDH_039	87.099998	88.599998	NR		
Kinsevere Sulphide Program	STCDH_039	88.599998	93.400002	DLH		CMN
Kinsevere Sulphide Program	STCDH_039	93.400002	100.1	DLB		CMN
Kinsevere Sulphide Program	STCDH_039	100.1	107.73	SHA		CMN
Kinsevere Sulphide Program	STCDH_039	107.73	111.6	DLB	SHC	CMN
Kinsevere Sulphide Program	STCDH_039	111.6	117	SHA		CMN
Kinsevere Sulphide Program	STCDH_039	117	141.25	DLH	DLC	CMN
Kinsevere Sulphide Program	STCDH_039	117	141.25	DLH	DLC	CMN
Kinsevere Sulphide Program	STCDH_039	141.25	148	SHA	G	CMN
Kinsevere Sulphide Program	STCDH_039	148	165.7	SHDL		CMN
Kinsevere Sulphide Program	STCDH_039	148	165.7	SHDL		CMN
Kinsevere Sulphide Program	STCDH_039	165.7	179.17999	DLB	SHC	CMN
Kinsevere Sulphide Program	STCDH_039	165.7	179.17999	DLB	SHC	CMN
Kinsevere Sulphide Program	STCDH_039	179.17999	181.58	SHC	DLB	CMN
Kinsevere Sulphide Program	STCDH_039	179.17999	181.58	SHC	DLB	CMN
Kinsevere Sulphide Program	STCDH_039	179.17999	181.58	SHC	DLB	CMN
Kinsevere Sulphide Program	STCDH_039	181.58	207.7	DLB	SHC	CMN
Kinsevere Sulphide Program	STCDH_039	181.58	207.7	DLB	SHC	CMN
Kinsevere Sulphide Program	STCDH_039	207.7	220.10001	DLB		CMN
Kinsevere Sulphide Program	STCDH_039	207.7	220.10001	DLB		CMN
Kinsevere Sulphide Program	STCDH_039	220.10001	223.89999	DLB		CMN
Kinsevere Sulphide Program	STCDH_039	220.10001	223.89999	DLB		CMN
Kinsevere Sulphide Program	STCDH_039	223.89999	227.39999	SHC		CMN
Kinsevere Sulphide Program	STCDH_039	227.39999	248	DLB	DLH	CMN

Kinsevere Sulphide Program	STCDH_039	227.39999	248	DLB	DLH	CMN
Kinsevere Sulphide Program	STCDH_039	227.39999	248	DLB	DLH	CMN
Kinsevere Sulphide Program	STCDH_039	248	251.85001	SHC		CMN
Kinsevere Sulphide Program	STCDH_039	251.85001	259	DLB		CMN
Kinsevere Sulphide Program	STCDH_039	259	266.14999	DLB	SHC	CMN
Kinsevere Sulphide Program	STCDH_039	259	266.14999	DLB	SHC	CMN
Kinsevere Sulphide Program	STCDH_039	259	266.14999	DLB	SHC	CMN
Kinsevere Sulphide Program	STCDH_039	266.14999	281	SHA	SHDL	SD
Kinsevere Sulphide Program	STCDH_039	266.14999	281	SHA	SHDL	SD
Kinsevere Sulphide Program	STCDH_039	281	287	SHC		SD
Kinsevere Sulphide Program	STCDH_039	281	287	SHC		SD
Kinsevere Sulphide Program	STCDH_039	281	287	SHC		SD
Kinsevere Sulphide Program	STCDH_039	287	293.60001	CARS		SD
Kinsevere Sulphide Program	STCDH_039	287	293.60001	CARS		SD
Kinsevere Sulphide Program	STCDH_039	293.60001	296.60001	CARS		SD
Kinsevere Sulphide Program	STCDH_039	293.60001	296.60001	CARS		SD
Kinsevere Sulphide Program	STCDH_039	296.60001	298.29999	DLH	DLC	RSF
Kinsevere Sulphide Program	STCDH_039	296.60001	298.29999	DLH	DLC	RSF
Kinsevere Sulphide Program	STCDH_039	296.60001	298.29999	DLH	DLC	RSF
Kinsevere Sulphide Program	STCDH_039	298.29999	301.10001	DLC	DLH	DSTR
Kinsevere Sulphide Program	STCDH_039	298.29999	301.10001	DLC	DLH	DSTR
Kinsevere Sulphide Program	STCDH_039	301.10001	303	DLB	DLH	DSTR
Kinsevere Sulphide Program	STCDH_039	301.10001	303	DLB	DLH	DSTR
Kinsevere Sulphide Program	STCDH_039	303	306.5	ARG		GRAT
Kinsevere Sulphide Program	STCDH_039	303	306.5	ARG		GRAT
Kinsevere Sulphide Program	STCDH_039	306.5	312.5	ARG		GRAT
Kinsevere Sulphide Program	STCDH_039	306.5	312.5	ARG		GRAT
Kinsevere Sulphide Program	STCDH_039	306.5	312.5	ARG		GRAT
Kinsevere Sulphide Program	STCDH_039	312.5	319.10001	ARG		RRAT
Kinsevere Sulphide Program	STCDH_040	0	12.1	SHDL	SHA	CMN
Kinsevere Sulphide Program	STCDH_040	12.1	19.5	HBX		FZ
Kinsevere Sulphide Program	STCDH_040	12.1	19.5	HBX		FZ
Kinsevere Sulphide Program	STCDH_041	0	7.27	DLM		CMN
Kinsevere Sulphide Program	STCDH_041	7.27	12.62	SHA		CMN
Kinsevere Sulphide Program	STCDH_041	12.62	24.799999	HBX		FZ
Kinsevere Sulphide Program	STCDH_041	12.62	24.799999	HBX		FZ
Kinsevere Sulphide Program	STCDH_041	12.62	24.799999	HBX		FZ
Kinsevere Sulphide Program	STCDH_041	24.799999	51.599998	ARG		RAT
Kinsevere Sulphide Program	STCDH_041	51.599998	55.599998	HBX		FZ
Kinsevere Sulphide Program	STCDH_041	55.599998	60	SHA		CMN
Kinsevere Sulphide Program	STCDH_041	60	60.5	NR		
Kinsevere Sulphide Program	STCDH_041	60.5	66	DLM		CMN
Kinsevere Sulphide Program	STCDH_041	60.5	66	DLM		CMN
Kinsevere Sulphide Program	STCDH_041	60.5	66	DLM		CMN
Kinsevere Sulphide Program	STCDH_041	66	81.599998	SHA		CMN
Kinsevere Sulphide Program	STCDH_041	81.599998	88.230003	DLB	SHC	CMN
Kinsevere Sulphide Program	STCDH_041	88.230003	96.559998	SHC		CMN
Kinsevere Sulphide Program	STCDH_041	96.559998	122.4	DLB	DLH	CMN
Kinsevere Sulphide Program	STCDH_041	96.559998	122.4	DLB	DLH	CMN
Kinsevere Sulphide Program	STCDH_041	122.4	125.6	SHA		CMN
Kinsevere Sulphide Program	STCDH_041	125.6	145.7	SHA	DLH	CMN
Kinsevere Sulphide Program	STCDH_041	125.6	145.7	SHA	DLH	CMN
Kinsevere Sulphide Program	STCDH_041	145.7	151.25	SHA		CMN
Kinsevere Sulphide Program	STCDH_041	145.7	151.25	SHA		CMN
Kinsevere Sulphide Program	STCDH_041	151.25	156.39999	DBX	DLB	CMN
Kinsevere Sulphide Program	STCDH_041	151.25	156.39999	DBX	DLB	CMN
Kinsevere Sulphide Program	STCDH_041	151.25	156.39999	DBX	DLB	CMN
Kinsevere Sulphide Program	STCDH_041	156.39999	158.13	HBX	RATB	FZ
Kinsevere Sulphide Program	STCDH_041	156.39999	158.13	HBX	RATB	FZ
Kinsevere Sulphide Program	STCDH_041	158.13	160.34	DBX		CMN
Kinsevere Sulphide Program	STCDH_041	158.13	160.34	DBX		CMN
Kinsevere Sulphide Program	STCDH_041	160.34	161.25999	DBX		CMN
Kinsevere Sulphide Program	STCDH_041	160.34	161.25999	DBX		CMN

Kinsevere Sulphide Program	STCDH_041	161.25999	162.39999	HBX		FZ
Kinsevere Sulphide Program	STCDH_041	162.39999	163.89999	DLB	DLM	CMN
Kinsevere Sulphide Program	STCDH_041	162.39999	163.89999	DLB	DLM	CMN
Kinsevere Sulphide Program	STCDH_041	163.89999	165.8	SHA		CMN
Kinsevere Sulphide Program	STCDH_041	163.89999	165.8	SHA		CMN
Kinsevere Sulphide Program	STCDH_041	165.8	168.45	DLB		CMN
Kinsevere Sulphide Program	STCDH_041	165.8	168.45	DLB		CMN
Kinsevere Sulphide Program	STCDH_041	168.45	169.60001	SHA		CMN
Kinsevere Sulphide Program	STCDH_041	169.60001	171.17999	DLB		CMN
Kinsevere Sulphide Program	STCDH_041	169.60001	171.17999	DLB		CMN
Kinsevere Sulphide Program	STCDH_041	171.17999	177.05	DLB		CMN
Kinsevere Sulphide Program	STCDH_041	177.05	184.02	DLB		CMN
Kinsevere Sulphide Program	STCDH_041	184.02	185.88	SHC	DLC	CMN
Kinsevere Sulphide Program	STCDH_041	184.02	185.88	SHC	DLC	CMN
Kinsevere Sulphide Program	STCDH_041	185.88	190.63	DLB		CMN
Kinsevere Sulphide Program	STCDH_041	190.63	192.3	DLC	DLC	CMN
Kinsevere Sulphide Program	STCDH_041	190.63	192.3	DLC	DLC	CMN
Kinsevere Sulphide Program	STCDH_041	190.63	192.3	DLC	DLC	CMN
Kinsevere Sulphide Program	STCDH_041	190.63	192.3	DLC	DLC	CMN
Kinsevere Sulphide Program	STCDH_041	192.3	209.3	DLB		CMN
Kinsevere Sulphide Program	STCDH_041	192.3	209.3	DLB		CMN
Kinsevere Sulphide Program	STCDH_041	209.3	215.5	DLB		CMN
Kinsevere Sulphide Program	STCDH_041	209.3	215.5	DLB		CMN
Kinsevere Sulphide Program	STCDH_041	209.3	215.5	DLB		CMN
Kinsevere Sulphide Program	STCDH_041	215.5	217.39999	SHC		CMN
Kinsevere Sulphide Program	STCDH_041	217.39999	232.39999	DLB		CMN
Kinsevere Sulphide Program	STCDH_041	217.39999	232.39999	DLB		CMN
Kinsevere Sulphide Program	STCDH_041	217.39999	232.39999	DLB		CMN
Kinsevere Sulphide Program	STCDH_041	232.39999	242.39999	SHC		CMN
Kinsevere Sulphide Program	STCDH_041	232.39999	242.39999	SHC		CMN
Kinsevere Sulphide Program	STCDH_041	242.39999	253.8	DLB		CMN
Kinsevere Sulphide Program	STCDH_041	242.39999	253.8	DLB		CMN
Kinsevere Sulphide Program	STCDH_041	242.39999	253.8	DLB		CMN
Kinsevere Sulphide Program	STCDH_041	253.8	266.75	DLB	SHC	SD
Kinsevere Sulphide Program	STCDH_041	253.8	266.75	DLB	SHC	SD
Kinsevere Sulphide Program	STCDH_041	253.8	266.75	DLB	SHC	SD
Kinsevere Sulphide Program	STCDH_041	266.75	274.75	DLM		SD
Kinsevere Sulphide Program	STCDH_041	266.75	274.75	DLM		SD
Kinsevere Sulphide Program	STCDH_041	266.75	274.75	DLM		SD
Kinsevere Sulphide Program	STCDH_041	274.75	286.5	CARS		SD
Kinsevere Sulphide Program	STCDH_041	274.75	286.5	CARS		SD
Kinsevere Sulphide Program	STCDH_041	274.75	286.5	CARS		SD
Kinsevere Sulphide Program	STCDH_041	286.5	289.95001	DLB	DLL	RSF
Kinsevere Sulphide Program	STCDH_041	289.95001	294.75	DLB		DSTR
Kinsevere Sulphide Program	STCDH_041	289.95001	294.75	DLB		DSTR
Kinsevere Sulphide Program	STCDH_041	294.75	298.29999	ARG		GRAT
Kinsevere Sulphide Program	STCDH_041	298.29999	299.60001	ARG		GRAT
Kinsevere Sulphide Program	STCDH_041	298.29999	299.60001	ARG		GRAT
Kinsevere Sulphide Program	STCDH_041	299.60001	309.82001	ARG		GRAT
Kinsevere Sulphide Program	STCDH_041	309.82001	329.85001	RARG		RRAT
Kinsevere Sulphide Program	STCDH_041	309.82001	329.85001	RARG		RRAT
Kinsevere Sulphide Program	STCDH_041	309.82001	329.85001	RARG		RRAT
Kinsevere Sulphide Program	STCDH_041	329.85001	331.51999	NR		NR
Kinsevere Sulphide Program	STCDH_041	331.51999	334.20001	RATB		FZ
Kinsevere Sulphide Program	STCDH_041	331.51999	334.20001	RATB		FZ
Kinsevere Sulphide Program	STCDH_041	334.20001	350.54999	CARG		RRAT
Kinsevere Sulphide Program	STCDH_041	334.20001	350.54999	CARG		RRAT
Kinsevere Sulphide Program	STCDH_041	334.20001	350.54999	CARG		RRAT
Kinsevere Sulphide Program	STCDH_041	350.54999	360	GARG		RAT
Kinsevere Sulphide Program	STCDH_042					
Kinsevere Sulphide Program	STCDH_043	0	16.799999	SHA		SD
Kinsevere Sulphide Program	STCDH_043	16.799999	21	SHA	HBX	SD
Kinsevere Sulphide Program	STCDH_043	21	33	SHA		SD

Kinsevere Sulphide Program	STCDH_043	33	34.5	NR		NR
Kinsevere Sulphide Program	STCDH_043	34.5	39.700001	SHA		SD
Kinsevere Sulphide Program	STCDH_043	39.700001	40	NR		NR
Kinsevere Sulphide Program	STCDH_043	40	57.200001	SHA		SD
Kinsevere Sulphide Program	STCDH_043	57.200001	84.959999	ARG		RATB
Kinsevere Sulphide Program	STCDH_043	84.959999	89.690002	DLM	DLC	CMN
Kinsevere Sulphide Program	STCDH_043	85.5	86.099998	MX		FZ
Kinsevere Sulphide Program	STCDH_043	86.099998	87	DLB		DSTR
Kinsevere Sulphide Program	STCDH_043	87	88.900002	VC		UNK
Kinsevere Sulphide Program	STCDH_043	88.900002	90.849998	DLB	DLL	RSF
Kinsevere Sulphide Program	STCDH_043	89.690002	98.300003	SHC		SD
Kinsevere Sulphide Program	STCDH_043	90.849998	98.300003	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_043	98.300003	105.3	DLM	DBX	CMN
Kinsevere Sulphide Program	STCDH_043	98.300003	105.3	DLM	DBX	CMN
Kinsevere Sulphide Program	STCDH_043	105.3	110.5	ARG		RAT
Kinsevere Sulphide Program	STCDH_043	105.3	110.5	ARG		RAT
Kinsevere Sulphide Program	STCDH_044	0	22.5	SHA	DLH	CMN
Kinsevere Sulphide Program	STCDH_044	22.5	25.5	DLB	DBX	CMN
Kinsevere Sulphide Program	STCDH_044	25.5	27	NR		
Kinsevere Sulphide Program	STCDH_044	27	34.5	HBX		FZ
Kinsevere Sulphide Program	STCDH_044	27	34.5	HBX		FZ
Kinsevere Sulphide Program	STCDH_044	27	34.5	HBX		FZ
Kinsevere Sulphide Program	STCDH_044	34.5	43.200001	ARG	RATB	RAT
Kinsevere Sulphide Program	STCDH_044	34.5	43.200001	ARG	RATB	RAT
Kinsevere Sulphide Program	STCDH_044	43.200001	51.5	SHDL	ARG	UNK
Kinsevere Sulphide Program	STCDH_044	43.200001	51.5	SHDL	ARG	UNK
Kinsevere Sulphide Program	STCDH_044	43.200001	51.5	SHDL	ARG	UNK
Kinsevere Sulphide Program	STCDH_044	51.5	58	RATB		RATB
Kinsevere Sulphide Program	STCDH_044	51.5	58	RATB		RATB
Kinsevere Sulphide Program	STCDH_044	51.5	58	RATB		RATB
Kinsevere Sulphide Program	STCDH_044	58	61	MX		FZ
Kinsevere Sulphide Program	STCDH_044	58	61	MX		FZ
Kinsevere Sulphide Program	STCDH_044	61	65.800003	DLB		CMN
Kinsevere Sulphide Program	STCDH_044	65.800003	77.5	DLB		CMN
Kinsevere Sulphide Program	STCDH_044	77.5	80.199997	DLC	DLB	CMN
Kinsevere Sulphide Program	STCDH_044	80.199997	83.5	DLC	SHC	CMN
Kinsevere Sulphide Program	STCDH_044	83.5	89.5	SHC		CMN
Kinsevere Sulphide Program	STCDH_044	89.5	95.5	DLB		CMN
Kinsevere Sulphide Program	STCDH_044	95.5	98.5	NR		
Kinsevere Sulphide Program	STCDH_044	98.5	100.5	CF		FZ
Kinsevere Sulphide Program	STCDH_044	100.5	104.5	DLH	SHA	CMN
Kinsevere Sulphide Program	STCDH_044	104.5	108	SHC		CMN
Kinsevere Sulphide Program	STCDH_044	108	116.85	SHA	SHDL	CMN
Kinsevere Sulphide Program	STCDH_044	116.85	119.75	SHC		CMN
Kinsevere Sulphide Program	STCDH_044	119.75	127	SHDL	SHC	CMN
Kinsevere Sulphide Program	STCDH_044	119.75	127	SHDL	SHC	CMN
Kinsevere Sulphide Program	STCDH_044	127	128.5	NR		
Kinsevere Sulphide Program	STCDH_044	128.5	133	SHA	ARG	UNK
Kinsevere Sulphide Program	STCDH_044	133	134.5	NR		
Kinsevere Sulphide Program	STCDH_044	134.5	141.39999	HBX		FZ
Kinsevere Sulphide Program	STCDH_044	134.5	141.39999	HBX		FZ
Kinsevere Sulphide Program	STCDH_044	141.39999	148.60001	RATB		RATB
Kinsevere Sulphide Program	STCDH_044	141.39999	148.60001	RATB		RATB
Kinsevere Sulphide Program	STCDH_044	148.60001	151.5	ARG		RAT
Kinsevere Sulphide Program	STCDH_045	0	12.1	DLB	SHA	CMN
Kinsevere Sulphide Program	STCDH_045	0	12.1	DLB	SHA	CMN
Kinsevere Sulphide Program	STCDH_045	12.1	19.5	SHA	DLB	CMN
Kinsevere Sulphide Program	STCDH_045	12.1	19.5	SHA	DLB	CMN
Kinsevere Sulphide Program	STCDH_045	19.5	51.799999	DLB	DLM	CMN
Kinsevere Sulphide Program	STCDH_046	0	12.1	SHDL	DLB	CMN
Kinsevere Sulphide Program	STCDH_046	12.1	16.4	HBX		CMN
Kinsevere Sulphide Program	STCDH_046	12.1	16.4	HBX		CMN
Kinsevere Sulphide Program	STCDH_046	16.4	18	SHDL		CMN

Kinsevere Sulphide Program	STCDH_046	18	19.299999	HBX		FZ
Kinsevere Sulphide Program	STCDH_046	18	19.299999	HBX		FZ
Kinsevere Sulphide Program	STCDH_046	19.299999	24.209999	SHA	ARG	CMN
Kinsevere Sulphide Program	STCDH_046	19.299999	24.209999	SHA	ARG	CMN
Kinsevere Sulphide Program	STCDH_046	24.209999	26.85	DBX	SHDL	CMN
Kinsevere Sulphide Program	STCDH_046	26.85	32.099998	MX		CMN
Kinsevere Sulphide Program	STCDH_046	32.099998	33.599998	NR		NR
Kinsevere Sulphide Program	STCDH_046	33.599998	35.150002	MX	SHA	CMN
Kinsevere Sulphide Program	STCDH_046	35.150002	47	SHA	MX	CMN
Kinsevere Sulphide Program	STCDH_046	47	51.5	DBX	DLB	CMN
Kinsevere Sulphide Program	STCDH_046	47	51.5	DBX	DLB	CMN
Kinsevere Sulphide Program	STCDH_046	51.5	59.099998	SHDL	DLH	CMN
Kinsevere Sulphide Program	STCDH_046	51.5	59.099998	SHDL	DLH	CMN
Kinsevere Sulphide Program	STCDH_046	59.099998	76.800003	RATB	BARG	RATB
Kinsevere Sulphide Program	STCDH_046	59.099998	76.800003	RATB	BARG	RATB
Kinsevere Sulphide Program	STCDH_046	59.099998	76.800003	RATB	BARG	RATB
Kinsevere Sulphide Program	STCDH_046	59.099998	76.800003	RATB	BARG	RATB
Kinsevere Sulphide Program	STCDH_046	76.800003	88.370003	DBX	RATB	FZ
Kinsevere Sulphide Program	STCDH_046	76.800003	88.370003	DBX	RATB	FZ
Kinsevere Sulphide Program	STCDH_046	88.370003	90	NR		NR
Kinsevere Sulphide Program	STCDH_046	90	98.599998	HBX		FZ
Kinsevere Sulphide Program	STCDH_046	90	98.599998	HBX		FZ
Kinsevere Sulphide Program	STCDH_046	90	98.599998	HBX		FZ
Kinsevere Sulphide Program	STCDH_046	98.599998	101.6	NR		NR
Kinsevere Sulphide Program	STCDH_046	101.6	105	DLB		CMN
Kinsevere Sulphide Program	STCDH_046	105	107	CF		FZ
Kinsevere Sulphide Program	STCDH_046	107	107.6	CARS		CMN
Kinsevere Sulphide Program	STCDH_046	107.6	109.1	NR		NR
Kinsevere Sulphide Program	STCDH_046	109.1	110.6	CARS	SLT	CMN
Kinsevere Sulphide Program	STCDH_046	110.6	119.6	DLB		CMN
Kinsevere Sulphide Program	STCDH_046	119.6	125.6	DLB	MUD	CMN
Kinsevere Sulphide Program	STCDH_046	125.6	128.10001	DLB		CMN
Kinsevere Sulphide Program	STCDH_046	128.10001	130.10001	CARS	SHC	CMN
Kinsevere Sulphide Program	STCDH_046	130.10001	131.60001	NR		FZ
Kinsevere Sulphide Program	STCDH_046	131.60001	143.2	ARG		RAT
Kinsevere Sulphide Program	STCDH_046	143.2	146.60001	RATB	HBX	RATB
Kinsevere Sulphide Program	STCDH_046	143.2	146.60001	RATB	HBX	RATB
Kinsevere Sulphide Program	STCDH_046	143.2	146.60001	RATB	HBX	RATB
Kinsevere Sulphide Program	STCDH_046	146.60001	152.25	ARG	SLT	RAT
Kinsevere Sulphide Program	STCDH_046	146.60001	152.25	ARG	SLT	RAT
Kinsevere Sulphide Program	STCDH_046	152.25	155.85001	DBX	DLB	CMN
Kinsevere Sulphide Program	STCDH_046	152.25	155.85001	DBX	DLB	CMN
Kinsevere Sulphide Program	STCDH_046	155.85001	170.35001	DLB		CMN
Kinsevere Sulphide Program	STCDH_046	155.85001	170.35001	DLB		CMN
Kinsevere Sulphide Program	STCDH_046	155.85001	170.35001	DLB		CMN
Kinsevere Sulphide Program	STCDH_046	155.85001	170.35001	DLB		CMN
Kinsevere Sulphide Program	STCDH_046	170.35001	174.7	ARG	DLM	FZ
Kinsevere Sulphide Program	STCDH_046	170.35001	174.7	ARG	DLM	FZ
Kinsevere Sulphide Program	STCDH_046	174.7	177.64999	ARG		RAT
Kinsevere Sulphide Program	STCDH_046	174.7	177.64999	ARG		RAT
Kinsevere Sulphide Program	STCDH_046	177.64999	178.39999	HBX		FZ
Kinsevere Sulphide Program	STCDH_046	177.64999	178.39999	HBX		FZ
Kinsevere Sulphide Program	STCDH_046	178.39999	181.25	SHC	DLC	CMN
Kinsevere Sulphide Program	STCDH_046	181.25	185.39999	HBX		FZ
Kinsevere Sulphide Program	STCDH_046	181.25	185.39999	HBX		FZ
Kinsevere Sulphide Program	STCDH_046	181.25	185.39999	HBX		FZ
Kinsevere Sulphide Program	STCDH_046	185.39999	232.72	DLB	SHC	CMN
Kinsevere Sulphide Program	STCDH_046	185.39999	232.72	DLB	SHC	CMN
Kinsevere Sulphide Program	STCDH_046	185.39999	232.72	DLB	SHC	CMN
Kinsevere Sulphide Program	STCDH_046	232.72	237.67999	SHC		SD
Kinsevere Sulphide Program	STCDH_046	232.72	237.67999	SHC		SD
Kinsevere Sulphide Program	STCDH_046	237.67999	239.60001	DLM		SD
Kinsevere Sulphide Program	STCDH_046	239.60001	241	SHC	DLC	SD

Kinsevere Sulphide Program	STCDH_046	239.60001	241	SHC	DLC	SD
Kinsevere Sulphide Program	STCDH_046	239.60001	241	SHC	DLC	SD
Kinsevere Sulphide Program	STCDH_046	241	255.7	SHDL	SHC	SD
Kinsevere Sulphide Program	STCDH_046	241	255.7	SHDL	SHC	SD
Kinsevere Sulphide Program	STCDH_046	241	255.7	SHDL	SHC	SD
Kinsevere Sulphide Program	STCDH_046	255.7	284.89999	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_046	255.7	284.89999	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_046	255.7	284.89999	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_046	284.89999	287	DLL	SHC	RSF
Kinsevere Sulphide Program	STCDH_046	284.89999	287	DLL	SHC	RSF
Kinsevere Sulphide Program	STCDH_046	284.89999	287	DLL	SHC	RSF
Kinsevere Sulphide Program	STCDH_046	287	288.29999	DLB		DSTR
Kinsevere Sulphide Program	STCDH_046	287	288.29999	DLB		DSTR
Kinsevere Sulphide Program	STCDH_046	287	288.29999	DLB		DSTR
Kinsevere Sulphide Program	STCDH_046	288.29999	291.07001	DLB		DSTR
Kinsevere Sulphide Program	STCDH_046	291.07001	294.79999	ARG		GRAT
Kinsevere Sulphide Program	STCDH_046	291.07001	294.79999	ARG		GRAT
Kinsevere Sulphide Program	STCDH_046	294.79999	297.75	ARG		GRAT
Kinsevere Sulphide Program	STCDH_046	294.79999	297.75	ARG		GRAT
Kinsevere Sulphide Program	STCDH_046	294.79999	297.75	ARG		GRAT
Kinsevere Sulphide Program	STCDH_046	294.79999	297.75	ARG		GRAT
Kinsevere Sulphide Program	STCDH_046	297.75	307.29999	ARG	SLT	GRAT
Kinsevere Sulphide Program	STCDH_046	297.75	307.29999	ARG	SLT	GRAT
Kinsevere Sulphide Program	STCDH_046	297.75	307.29999	ARG	SLT	GRAT
Kinsevere Sulphide Program	STCDH_046	307.29999	330.60001	RATB	ARG	RATB
Kinsevere Sulphide Program	STCDH_046	307.29999	330.60001	RATB	ARG	RATB
Kinsevere Sulphide Program	STCDH_047	0	25.200001	SHC		SD
Kinsevere Sulphide Program	STCDH_047	25.200001	26.549999	SHC		SD
Kinsevere Sulphide Program	STCDH_047	26.549999	29	DLH	SHDL	SD
Kinsevere Sulphide Program	STCDH_047	29	30.9	SHC		SD
Kinsevere Sulphide Program	STCDH_047	30.9	32.75	DLH	SHDL	SD
Kinsevere Sulphide Program	STCDH_047	32.75	42.400002	SHC		SD
Kinsevere Sulphide Program	STCDH_047	42.400002	43.200001	SHDL		SD
Kinsevere Sulphide Program	STCDH_047	43.200001	50	SHC	DLC	SD
Kinsevere Sulphide Program	STCDH_048	0	54	DLB	DLH	CMN
Kinsevere Sulphide Program	STCDH_048	54	54.599998	HBX		FZ
Kinsevere Sulphide Program	STCDH_048	54	54.599998	HBX		FZ
Kinsevere Sulphide Program	STCDH_048	54.599998	57	DBX		FZ
Kinsevere Sulphide Program	STCDH_048	57	58.5	RATB		RATB
Kinsevere Sulphide Program	STCDH_048	57	58.5	RATB		RATB
Kinsevere Sulphide Program	STCDH_048	58.5	74.5	SHA		CMN
Kinsevere Sulphide Program	STCDH_048	74.5	76	NR		NR
Kinsevere Sulphide Program	STCDH_048	76	77	DLH		CMN
Kinsevere Sulphide Program	STCDH_048	77	81	DBX		CMN
Kinsevere Sulphide Program	STCDH_048	81	89.199997	DLB		CMN
Kinsevere Sulphide Program	STCDH_048	89.199997	104.5	SHA		CMN
Kinsevere Sulphide Program	STCDH_048	89.199997	104.5	SHA		CMN
Kinsevere Sulphide Program	STCDH_048	104.5	107.5	NR		NR
Kinsevere Sulphide Program	STCDH_048	107.5	113.5	SHA	SHDL	CMN
Kinsevere Sulphide Program	STCDH_048	107.5	113.5	SHA	SHDL	CMN
Kinsevere Sulphide Program	STCDH_048	113.5	132	DLB	SHA	CMN
Kinsevere Sulphide Program	STCDH_048	132	153.25999	DLB		CMN
Kinsevere Sulphide Program	STCDH_048	132	153.25999	DLB		CMN
Kinsevere Sulphide Program	STCDH_048	153.25999	155.46001	DLB	SHA	CMN
Kinsevere Sulphide Program	STCDH_048	153.25999	155.46001	DLB	SHA	CMN
Kinsevere Sulphide Program	STCDH_048	155.46001	167.64999	DLB	SHA	CMN
Kinsevere Sulphide Program	STCDH_048	167.64999	177	SHA	DLB	CMN
Kinsevere Sulphide Program	STCDH_048	167.64999	177	SHA	DLB	CMN
Kinsevere Sulphide Program	STCDH_048	167.64999	177	SHA	DLB	CMN
Kinsevere Sulphide Program	STCDH_048	177	190.5	SHA	DLB	CMN
Kinsevere Sulphide Program	STCDH_048	177	190.5	SHA	DLB	CMN
Kinsevere Sulphide Program	STCDH_048	177	190.5	SHA	DLB	CMN
Kinsevere Sulphide Program	STCDH_048	177	190.5	SHA	DLB	CMN

Kinsevere Sulphide Program	STCDH_049	0	16.5	SHDL	DLL	CMN
Kinsevere Sulphide Program	STCDH_049	16.5	29.1	DLB		CMN
Kinsevere Sulphide Program	STCDH_049	16.5	29.1	DLB		CMN
Kinsevere Sulphide Program	STCDH_049	29.1	32.799999	SHA	SHDL	CMN
Kinsevere Sulphide Program	STCDH_049	29.1	32.799999	SHA	SHDL	CMN
Kinsevere Sulphide Program	STCDH_049	32.799999	39.599998	DLL	SHDL	CMN
Kinsevere Sulphide Program	STCDH_049	32.799999	39.599998	DLL	SHDL	CMN
Kinsevere Sulphide Program	STCDH_049	39.599998	47.099998	SHDL	DLL	CMN
Kinsevere Sulphide Program	STCDH_049	47.099998	50.099998	NR		NR
Kinsevere Sulphide Program	STCDH_049	50.099998	54.200001	SHDL	DLL	CMN
Kinsevere Sulphide Program	STCDH_049	54.200001	63	DLB	DLH	CMN
Kinsevere Sulphide Program	STCDH_049	63	83.099998	DLB		CMN
Kinsevere Sulphide Program	STCDH_049	63	83.099998	DLB		CMN
Kinsevere Sulphide Program	STCDH_049	83.099998	84.599998	NR		NR
Kinsevere Sulphide Program	STCDH_049	84.599998	89.099998	SHDL	DLH	CMN
Kinsevere Sulphide Program	STCDH_049	84.599998	89.099998	SHDL	DLH	CMN
Kinsevere Sulphide Program	STCDH_049	89.099998	90.599998	NR		NR
Kinsevere Sulphide Program	STCDH_049	90.599998	96	DLB	SHC	CMN
Kinsevere Sulphide Program	STCDH_049	96	157	DLB		CMN
Kinsevere Sulphide Program	STCDH_049	157	171.42	SHC	CARS	CMN
Kinsevere Sulphide Program	STCDH_049	171.42	183	DLB	DLC	CMN
Kinsevere Sulphide Program	STCDH_049	183	199.3	SHC	DLB	SD
Kinsevere Sulphide Program	STCDH_049	183	199.3	SHC	DLB	SD
Kinsevere Sulphide Program	STCDH_049	183	199.3	SHC	DLB	SD
Kinsevere Sulphide Program	STCDH_049	199.3	206.2	DLC	SHC	SD
Kinsevere Sulphide Program	STCDH_049	199.3	206.2	DLC	SHC	SD
Kinsevere Sulphide Program	STCDH_049	206.2	211.60001	SHC		SD
Kinsevere Sulphide Program	STCDH_049	211.60001	216.69	SHA	SHDL	SD
Kinsevere Sulphide Program	STCDH_049	211.60001	216.69	SHA	SHDL	SD
Kinsevere Sulphide Program	STCDH_049	216.69	219.28	SHC		SD
Kinsevere Sulphide Program	STCDH_049	216.69	219.28	SHC		SD
Kinsevere Sulphide Program	STCDH_049	216.69	219.28	SHC		SD
Kinsevere Sulphide Program	STCDH_049	219.28	246.3	SHA		SD
Kinsevere Sulphide Program	STCDH_049	219.28	246.3	SHA		SD
Kinsevere Sulphide Program	STCDH_049	246.3	277.20001	SHC		SD
Kinsevere Sulphide Program	STCDH_049	277.20001	279	SHA		SD
Kinsevere Sulphide Program	STCDH_049	279	294.39999	SHC	SHA	SD
Kinsevere Sulphide Program	STCDH_049	279	294.39999	SHC	SHA	SD
Kinsevere Sulphide Program	STCDH_049	294.39999	297.29999	MX	VC	FZ
Kinsevere Sulphide Program	STCDH_049	297.29999	311.89999	CARS		SD
Kinsevere Sulphide Program	STCDH_049	297.29999	311.89999	CARS		SD
Kinsevere Sulphide Program	STCDH_049	311.89999	314.60001	DLB	DLH	RSF
Kinsevere Sulphide Program	STCDH_049	311.89999	314.60001	DLB	DLH	RSF
Kinsevere Sulphide Program	STCDH_049	311.89999	314.60001	DLB	DLH	RSF
Kinsevere Sulphide Program	STCDH_049	314.60001	318.70001	DLB		DSTR
Kinsevere Sulphide Program	STCDH_049	314.60001	318.70001	DLB		DSTR
Kinsevere Sulphide Program	STCDH_049	314.60001	318.70001	DLB		DSTR
Kinsevere Sulphide Program	STCDH_049	318.70001	332.45001	ARG	SLT	GRAT
Kinsevere Sulphide Program	STCDH_049	329	332.5	ARG		RRAT
Kinsevere Sulphide Program	STCDH_049	329	332.5	ARG		RRAT
Kinsevere Sulphide Program	STCDH_049	332.45001	333.5	ARG		RRAT
Kinsevere Sulphide Program	STCDH_050	0	2.5	NR		NR
Kinsevere Sulphide Program	STCDH_050	2.5	10	DBX	MUD	CMN
Kinsevere Sulphide Program	STCDH_050	10	19	MX		CMN
Kinsevere Sulphide Program	STCDH_050	10	19	MX		CMN
Kinsevere Sulphide Program	STCDH_050	19	40	NR		NR
Kinsevere Sulphide Program	STCDH_050	40	55.700001	DLL	DLB	CMN
Kinsevere Sulphide Program	STCDH_050	40	55.700001	DLL	DLB	CMN
Kinsevere Sulphide Program	STCDH_050	55.700001	63	DLL	DLH	CMN
Kinsevere Sulphide Program	STCDH_050	55.700001	63	DLL	DLH	CMN
Kinsevere Sulphide Program	STCDH_050	63	64.699997	NR		NR
Kinsevere Sulphide Program	STCDH_050	64.699997	66	DLM		CMN
Kinsevere Sulphide Program	STCDH_050	66	72	NR		NR

Kinsevere Sulphide Program	STCDH_050	72	78	SHA		CMN
Kinsevere Sulphide Program	STCDH_050	72	78	SHA		CMN
Kinsevere Sulphide Program	STCDH_050	78	79	NR		NR
Kinsevere Sulphide Program	STCDH_050	79	84	SHA		CMN
Kinsevere Sulphide Program	STCDH_050	79	84	SHA		CMN
Kinsevere Sulphide Program	STCDH_050	84	85.5	NR		NR
Kinsevere Sulphide Program	STCDH_050	85.5	90	DLH		CMN
Kinsevere Sulphide Program	STCDH_050	85.5	90	DLH		CMN
Kinsevere Sulphide Program	STCDH_050	90	91.5	NR		NR
Kinsevere Sulphide Program	STCDH_050	91.5	94.5	DLH		CMN
Kinsevere Sulphide Program	STCDH_050	91.5	94.5	DLH		CMN
Kinsevere Sulphide Program	STCDH_050	94.5	96	NR		NR
Kinsevere Sulphide Program	STCDH_050	96	106.5	SHA	DLB	CMN
Kinsevere Sulphide Program	STCDH_050	96	106.5	SHA	DLB	CMN
Kinsevere Sulphide Program	STCDH_050	106.5	110.1	NR		NR
Kinsevere Sulphide Program	STCDH_050	110.1	117	SHA	SHDL	CMN
Kinsevere Sulphide Program	STCDH_050	110.1	117	SHA	SHDL	CMN
Kinsevere Sulphide Program	STCDH_050	117	118.5	NR		NR
Kinsevere Sulphide Program	STCDH_050	118.5	129	DLH		CMN
Kinsevere Sulphide Program	STCDH_050	118.5	129	DLH		CMN
Kinsevere Sulphide Program	STCDH_050	129	130.5	NR		NR
Kinsevere Sulphide Program	STCDH_050	130.5	136.7	DBX	DLB	CMN
Kinsevere Sulphide Program	STCDH_050	130.5	136.7	DBX	DLB	CMN
Kinsevere Sulphide Program	STCDH_050	136.7	140.47	DLB	DLL	CMN
Kinsevere Sulphide Program	STCDH_050	136.7	140.47	DLB	DLL	CMN
Kinsevere Sulphide Program	STCDH_050	140.47	144	DLB	DLL	CMN
Kinsevere Sulphide Program	STCDH_050	140.47	144	DLB	DLL	CMN
Kinsevere Sulphide Program	STCDH_050	144	145.5	NR		NR
Kinsevere Sulphide Program	STCDH_050	145.5	147	DBX		CMN
Kinsevere Sulphide Program	STCDH_050	147	151.5	NR		NR
Kinsevere Sulphide Program	STCDH_050	151.5	155.5	FIL		FIL
Kinsevere Sulphide Program	STCDH_050	155.5	157.5	NR		NR
Kinsevere Sulphide Program	STCDH_050	157.5	162.5	SHC	DLC	CMN
Kinsevere Sulphide Program	STCDH_050	157.5	162.5	SHC	DLC	CMN
Kinsevere Sulphide Program	STCDH_050	157.5	162.5	SHC	DLC	CMN
Kinsevere Sulphide Program	STCDH_050	162.5	168	SHC	DLC	CMN
Kinsevere Sulphide Program	STCDH_050	162.5	168	SHC	DLC	CMN
Kinsevere Sulphide Program	STCDH_050	168	177.2	DLC	SHC	CMN
Kinsevere Sulphide Program	STCDH_050	168	177.2	DLC	SHC	CMN
Kinsevere Sulphide Program	STCDH_050	174	182	DLB	DLC	CMN
Kinsevere Sulphide Program	STCDH_050	177.2	180.5	NR		NR
Kinsevere Sulphide Program	STCDH_050	180.5	182	DLB	DLC	CMN
Kinsevere Sulphide Program	STCDH_050	182	183	DLB		CMN
Kinsevere Sulphide Program	STCDH_050	183	225	DLB	SHC	CMN
Kinsevere Sulphide Program	STCDH_050	183	225	DLB	SHC	CMN
Kinsevere Sulphide Program	STCDH_050	183	225	DLB	SHC	CMN
Kinsevere Sulphide Program	STCDH_050	225	240.5	DLB		CMN
Kinsevere Sulphide Program	STCDH_050	240.5	243.5	HBX		FZ
Kinsevere Sulphide Program	STCDH_050	243.5	250.5	DLB		CMN
Kinsevere Sulphide Program	STCDH_050	250.5	254.5	MEL	HBX	FZ
Kinsevere Sulphide Program	STCDH_050	254.5	256.63	DLB		CMN
Kinsevere Sulphide Program	STCDH_050	254.5	256.63	DLB		CMN
Kinsevere Sulphide Program	STCDH_050	254.5	256.63	DLB		CMN
Kinsevere Sulphide Program	STCDH_050	254.5	256.63	DLB		CMN
Kinsevere Sulphide Program	STCDH_050	256.63	262.67999	SHC	SHDL	SD
Kinsevere Sulphide Program	STCDH_050	256.63	262.67999	SHC	SHDL	SD
Kinsevere Sulphide Program	STCDH_050	262.67999	276.79999	SHA		SD
Kinsevere Sulphide Program	STCDH_050	262.67999	276.79999	SHA		SD
Kinsevere Sulphide Program	STCDH_050	276.79999	288	SHC		SD
Kinsevere Sulphide Program	STCDH_050	288	297	SHA	SHC	SD
Kinsevere Sulphide Program	STCDH_050	297	333	CARS		SD
Kinsevere Sulphide Program	STCDH_050	297	333	CARS		SD
Kinsevere Sulphide Program	STCDH_050	333	333.60001	DLH		RSF

Kinsevere Sulphide Program	STCDH_050	333	333.60001	DLH		RSF
Kinsevere Sulphide Program	STCDH_050	333	333.60001	DLH		RSF
Kinsevere Sulphide Program	STCDH_050	333.60001	354.5	RATB		RATB
Kinsevere Sulphide Program	STCDH_050	333.60001	354.5	RATB		RATB
Kinsevere Sulphide Program	STCDH_050	333.60001	354.5	RATB		RATB
Kinsevere Sulphide Program	STCDH_051	0	5.0999999	SHDL	DLS	SD
Kinsevere Sulphide Program	STCDH_051	0	5.0999999	SHDL	DLS	SD
Kinsevere Sulphide Program	STCDH_051	5.0999999	8.1000004	NR		
Kinsevere Sulphide Program	STCDH_051	8.1000004	17.1	SHDL	DLL	SD
Kinsevere Sulphide Program	STCDH_051	8.1000004	17.1	SHDL	DLL	SD
Kinsevere Sulphide Program	STCDH_051	17.1	21.549999	DBX		FZ
Kinsevere Sulphide Program	STCDH_051	17.1	21.549999	DBX		FZ
Kinsevere Sulphide Program	STCDH_051	21.549999	74.099998	DLL	DLH	CMN
Kinsevere Sulphide Program	STCDH_051	21.549999	74.099998	DLL	DLH	CMN
Kinsevere Sulphide Program	STCDH_051	74.099998	83.099998	DLL	DLB	CMN
Kinsevere Sulphide Program	STCDH_051	83.099998	95.099998	DLL		CMN
Kinsevere Sulphide Program	STCDH_051	83.099998	95.099998	DLL		CMN
Kinsevere Sulphide Program	STCDH_051	95.099998	101.1	NR		
Kinsevere Sulphide Program	STCDH_051	101.1	110.1	SHDL	DLH	CMN
Kinsevere Sulphide Program	STCDH_051	110.1	113.1	NR		
Kinsevere Sulphide Program	STCDH_051	113.1	116.1	SHDL	DLM	CMN
Kinsevere Sulphide Program	STCDH_051	116.1	123	DLB	DLM	CMN
Kinsevere Sulphide Program	STCDH_051	116.1	123	DLB	DLM	CMN
Kinsevere Sulphide Program	STCDH_051	123	125.35	DLB	DLM	CMN
Kinsevere Sulphide Program	STCDH_051	125.35	136.36	HBX		FZ
Kinsevere Sulphide Program	STCDH_052	0	3	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_052	0	3	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_052	0	3	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_052	3	42.099998	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_052	3	42.099998	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_052	3	42.099998	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_052	42.099998	70	DLH	SHDL	SD
Kinsevere Sulphide Program	STCDH_052	42.099998	70	DLH	SHDL	SD
Kinsevere Sulphide Program	STCDH_052	42.099998	70	DLH	SHDL	SD
Kinsevere Sulphide Program	STCDH_052	70	151	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_052	70	151	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_052	151	154	NR		NR
Kinsevere Sulphide Program	STCDH_052	154	172	SHC	DLC	SD
Kinsevere Sulphide Program	STCDH_052	154	172	SHC	DLC	SD
Kinsevere Sulphide Program	STCDH_052	172	228.5	DLB	SHC	CMN
Kinsevere Sulphide Program	STCDH_052	172	228.5	DLB	SHC	CMN
Kinsevere Sulphide Program	STCDH_052	228.5	275	SHC		CMN
Kinsevere Sulphide Program	STCDH_052	228.5	275	SHC		CMN
Kinsevere Sulphide Program	STCDH_052	228.5	275	SHC		CMN
Kinsevere Sulphide Program	STCDH_052	275	304.64999	DLC	SHC	CMN
Kinsevere Sulphide Program	STCDH_052	304.64999	308.5	DBX		CMN
Kinsevere Sulphide Program	STCDH_052	308.5	320.54999	SHC	DLH	SD
Kinsevere Sulphide Program	STCDH_052	308.5	320.54999	SHC	DLH	SD
Kinsevere Sulphide Program	STCDH_052	320.54999	349	BARG		GRAT
Kinsevere Sulphide Program	STCDH_053	0	26.6	DLB	DLL	CMN
Kinsevere Sulphide Program	STCDH_053	0	26.6	DLB	DLL	CMN
Kinsevere Sulphide Program	STCDH_053	26.6	51.5	DLB	SHDL	CMN
Kinsevere Sulphide Program	STCDH_053	26.6	51.5	DLB	SHDL	CMN
Kinsevere Sulphide Program	STCDH_053	26.6	51.5	DLB	SHDL	CMN
Kinsevere Sulphide Program	STCDH_053	51.5	57	SHC		CMN
Kinsevere Sulphide Program	STCDH_053	51.5	57	SHC		CMN
Kinsevere Sulphide Program	STCDH_053	51.5	57	SHC		CMN
Kinsevere Sulphide Program	STCDH_053	57	58.5	NR		
Kinsevere Sulphide Program	STCDH_053	58.5	64	SHC	DLC	CMN
Kinsevere Sulphide Program	STCDH_053	58.5	64	SHC	DLC	CMN
Kinsevere Sulphide Program	STCDH_053	64	66	NR		
Kinsevere Sulphide Program	STCDH_053	66	71	DLB	DLC	CMN
Kinsevere Sulphide Program	STCDH_053	71	75.5	SHC		CMN

Kinsevere Sulphide Program	STCDH_053	75.5	76.699997	NR		
Kinsevere Sulphide Program	STCDH_053	76.699997	97	SHC		CMN
Kinsevere Sulphide Program	STCDH_053	97	101.4	SHC	MX	CMN
Kinsevere Sulphide Program	STCDH_053	101.4	103.3	DBX		CMN
Kinsevere Sulphide Program	STCDH_053	103.3	104.5	MX	SHC	FZ
Kinsevere Sulphide Program	STCDH_053	104.5	107.4	HBX		FZ
Kinsevere Sulphide Program	STCDH_053	104.5	107.4	HBX		FZ
Kinsevere Sulphide Program	STCDH_053	107.4	113	DLB	BARG	CMN
Kinsevere Sulphide Program	STCDH_053	107.4	113	DLB	BARG	CMN
Kinsevere Sulphide Program	STCDH_053	113	116.05	HBX		FZ
Kinsevere Sulphide Program	STCDH_053	113	116.05	HBX		FZ
Kinsevere Sulphide Program	STCDH_053	113	116.05	HBX		FZ
Kinsevere Sulphide Program	STCDH_053	116.05	117	MX		RATB
Kinsevere Sulphide Program	STCDH_053	117	140	ARG		RATB
Kinsevere Sulphide Program	STCDH_053	140	164.25	BARG		RATB
Kinsevere Sulphide Program	STCDH_053	164.25	177	DBX	DLB	CMN
Kinsevere Sulphide Program	STCDH_053	164.25	177	DBX	DLB	CMN
Kinsevere Sulphide Program	STCDH_053	177	179.86	HBX		FZ
Kinsevere Sulphide Program	STCDH_053	177	179.86	HBX		FZ
Kinsevere Sulphide Program	STCDH_053	177	179.86	HBX		FZ
Kinsevere Sulphide Program	STCDH_053	179.86	180.89999	BARG		RATB
Kinsevere Sulphide Program	STCDH_053	180.89999	192.7	DBX		CMN
Kinsevere Sulphide Program	STCDH_053	192.7	204	DLB	DLC	CMN
Kinsevere Sulphide Program	STCDH_053	204	216.2	BARG		RATB
Kinsevere Sulphide Program	STCDH_053	216.2	227.8	DBX		CMN
Kinsevere Sulphide Program	STCDH_053	216.2	227.8	DBX		CMN
Kinsevere Sulphide Program	STCDH_053	227.8	251.89999	DLB	SHA	CMN
Kinsevere Sulphide Program	STCDH_053	227.8	251.89999	DLB	SHA	CMN
Kinsevere Sulphide Program	STCDH_053	227.8	251.89999	DLB	SHA	CMN
Kinsevere Sulphide Program	STCDH_053	251.89999	330	DLB	SHA	CMN
Kinsevere Sulphide Program	STCDH_053	251.89999	330	DLB	SHA	CMN
Kinsevere Sulphide Program	STCDH_053	251.89999	330	DLB	SHA	CMN
Kinsevere Sulphide Program	STCDH_054	0	18	SHDL		CMN
Kinsevere Sulphide Program	STCDH_054	0	18	SHDL		CMN
Kinsevere Sulphide Program	STCDH_054	0	18	SHDL		CMN
Kinsevere Sulphide Program	STCDH_054	18	19.5	NR		
Kinsevere Sulphide Program	STCDH_054	19.5	30	SHDL		CMN
Kinsevere Sulphide Program	STCDH_054	30	31.5	NR		
Kinsevere Sulphide Program	STCDH_054	31.5	55	DLB		CMN
Kinsevere Sulphide Program	STCDH_054	31.5	55	DLB		CMN
Kinsevere Sulphide Program	STCDH_054	55	92.599998	DLM	MX	CMN
Kinsevere Sulphide Program	STCDH_054	55	92.599998	DLM	MX	CMN
Kinsevere Sulphide Program	STCDH_054	92.599998	99.599998	DLB	SHC	CMN
Kinsevere Sulphide Program	STCDH_054	99.599998	104.4	MX		CMN
Kinsevere Sulphide Program	STCDH_054	99.599998	104.4	MX		CMN
Kinsevere Sulphide Program	STCDH_054	99.599998	104.4	MX		CMN
Kinsevere Sulphide Program	STCDH_054	104.4	109.5	DLB		CMN
Kinsevere Sulphide Program	STCDH_054	109.5	117.25	DLC	SHC	SD
Kinsevere Sulphide Program	STCDH_054	117.25	122.3	DLM	DLB	SD
Kinsevere Sulphide Program	STCDH_054	122.3	135.2	DLC		SD
Kinsevere Sulphide Program	STCDH_054	135.2	143.3	DLB		CMN
Kinsevere Sulphide Program	STCDH_054	143.3	147.8	ARG		GRAT
Kinsevere Sulphide Program	STCDH_054	147.8	148.8	BARG		RATB
Kinsevere Sulphide Program	STCDH_054	147.8	148.8	BARG		RATB
Kinsevere Sulphide Program	STCDH_054	148.8	160.14999	DBX		CMN
Kinsevere Sulphide Program	STCDH_054	160.14999	163.10001	MX		SD
Kinsevere Sulphide Program	STCDH_054	163.10001	173.60001	ARG		RAT
Kinsevere Sulphide Program	STCDH_054	173.60001	225	BARG		RATB
Kinsevere Sulphide Program	STCDH_055	0	12	SHC		CMN
Kinsevere Sulphide Program	STCDH_055	0	12	SHC		CMN
Kinsevere Sulphide Program	STCDH_055	0	12	SHC		CMN
Kinsevere Sulphide Program	STCDH_055	12	19.5	NR		
Kinsevere Sulphide Program	STCDH_055	19.5	24	DLB		CMN

Kinsevere Sulphide Program	STCDH_055	19.5	24	DLB		CMN
Kinsevere Sulphide Program	STCDH_055	19.5	24	DLB		CMN
Kinsevere Sulphide Program	STCDH_055	24	28	NR		
Kinsevere Sulphide Program	STCDH_055	28	31	DLB		CMN
Kinsevere Sulphide Program	STCDH_055	28	31	DLB		CMN
Kinsevere Sulphide Program	STCDH_055	31	33	SHDL		CMN
Kinsevere Sulphide Program	STCDH_055	31	33	SHDL		CMN
Kinsevere Sulphide Program	STCDH_055	33	34.5	NR		
Kinsevere Sulphide Program	STCDH_055	34.5	36	CARS	SLT	CMN
Kinsevere Sulphide Program	STCDH_055	36	39	DLB	DLH	CMN
Kinsevere Sulphide Program	STCDH_055	36	39	DLB	DLH	CMN
Kinsevere Sulphide Program	STCDH_055	36	39	DLB	DLH	CMN
Kinsevere Sulphide Program	STCDH_055	39	40.5	NR		
Kinsevere Sulphide Program	STCDH_055	40.5	43.25	DLB		CMN
Kinsevere Sulphide Program	STCDH_055	40.5	43.25	DLB		CMN
Kinsevere Sulphide Program	STCDH_055	40.5	43.25	DLB		CMN
Kinsevere Sulphide Program	STCDH_055	43.25	46.400002	SHC	SHA	CMN
Kinsevere Sulphide Program	STCDH_055	43.25	46.400002	SHC	SHA	CMN
Kinsevere Sulphide Program	STCDH_055	46.400002	66	DLB		CMN
Kinsevere Sulphide Program	STCDH_055	46.400002	66	DLB		CMN
Kinsevere Sulphide Program	STCDH_055	46.400002	66	DLB		CMN
Kinsevere Sulphide Program	STCDH_055	66	71	SHC	SHDL	CMN
Kinsevere Sulphide Program	STCDH_055	66	71	SHC	SHDL	CMN
Kinsevere Sulphide Program	STCDH_055	66	71	SHC	SHDL	CMN
Kinsevere Sulphide Program	STCDH_055	71	110.4	DLB		CMN
Kinsevere Sulphide Program	STCDH_055	71	110.4	DLB		CMN
Kinsevere Sulphide Program	STCDH_055	71	110.4	DLB		CMN
Kinsevere Sulphide Program	STCDH_055	110.4	119.6	DLC	SHC	CMN
Kinsevere Sulphide Program	STCDH_055	110.4	119.6	DLC	SHC	CMN
Kinsevere Sulphide Program	STCDH_055	110.4	119.6	DLC	SHC	CMN
Kinsevere Sulphide Program	STCDH_055	119.6	137.12	DLB		CMN
Kinsevere Sulphide Program	STCDH_055	119.6	137.12	DLB		CMN
Kinsevere Sulphide Program	STCDH_055	137.12	142.2	DLH	SHDL	CMN
Kinsevere Sulphide Program	STCDH_055	142.2	147	DLB		CMN
Kinsevere Sulphide Program	STCDH_055	142.2	147	DLB		CMN
Kinsevere Sulphide Program	STCDH_055	147	158.8	DLB		CMN
Kinsevere Sulphide Program	STCDH_055	147	158.8	DLB		CMN
Kinsevere Sulphide Program	STCDH_055	147	158.8	DLB		CMN
Kinsevere Sulphide Program	STCDH_055	158.8	173	DLB	DLH	CMN
Kinsevere Sulphide Program	STCDH_055	158.8	173	DLB	DLH	CMN
Kinsevere Sulphide Program	STCDH_055	173	176	DBX	HBX	FZ
Kinsevere Sulphide Program	STCDH_055	173	176	DBX	HBX	FZ
Kinsevere Sulphide Program	STCDH_055	176	184	DLB	DLC	CMN
Kinsevere Sulphide Program	STCDH_055	184	201.14999	SHDL	DLL	SD
Kinsevere Sulphide Program	STCDH_055	184	201.14999	SHDL	DLL	SD
Kinsevere Sulphide Program	STCDH_055	201.14999	212.10001	SHC		SD
Kinsevere Sulphide Program	STCDH_055	201.14999	212.10001	SHC		SD
Kinsevere Sulphide Program	STCDH_055	201.14999	212.10001	SHC		SD
Kinsevere Sulphide Program	STCDH_055	212.10001	225	BARG		RATB
Kinsevere Sulphide Program	STCDH_055	225	267	ARG	SLT	RAT
Kinsevere Sulphide Program	STCDH_056	0	8.3199997	SHA		SD
Kinsevere Sulphide Program	STCDH_056	0	8.3199997	SHA		SD
Kinsevere Sulphide Program	STCDH_056	8.3199997	31	SHC		SD
Kinsevere Sulphide Program	STCDH_056	8.3199997	31	SHC		SD
Kinsevere Sulphide Program	STCDH_056	8.3199997	31	SHC		SD
Kinsevere Sulphide Program	STCDH_056	31	42.419998	SHDL	SHC	SD
Kinsevere Sulphide Program	STCDH_056	31	42.419998	SHDL	SHC	SD
Kinsevere Sulphide Program	STCDH_056	31	42.419998	SHDL	SHC	SD
Kinsevere Sulphide Program	STCDH_056	42.419998	48	SHC		SD
Kinsevere Sulphide Program	STCDH_056	42.419998	48	SHC		SD
Kinsevere Sulphide Program	STCDH_056	42.419998	48	SHC		SD
Kinsevere Sulphide Program	STCDH_056	48	49	SHC	SHA	SD
Kinsevere Sulphide Program	STCDH_056	48	49	SHC	SHA	SD

Kinsevere Sulphide Program	STCDH_056	49	63	SHA		SD
Kinsevere Sulphide Program	STCDH_056	49	63	SHA		SD
Kinsevere Sulphide Program	STCDH_056	63	69	SHC		SD
Kinsevere Sulphide Program	STCDH_056	63	69	SHC		SD
Kinsevere Sulphide Program	STCDH_056	63	69	SHC		SD
Kinsevere Sulphide Program	STCDH_056	69	93.150002	SHC	DLC	SD
Kinsevere Sulphide Program	STCDH_056	69	93.150002	SHC	DLC	SD
Kinsevere Sulphide Program	STCDH_056	69	93.150002	SHC	DLC	SD
Kinsevere Sulphide Program	STCDH_056	93.150002	100.5	SHA		SD
Kinsevere Sulphide Program	STCDH_056	93.150002	100.5	SHA		SD
Kinsevere Sulphide Program	STCDH_056	93.150002	100.5	SHA		SD
Kinsevere Sulphide Program	STCDH_056	100.5	108	SHC		SD
Kinsevere Sulphide Program	STCDH_056	108	117.2	ARG		GRAT
Kinsevere Sulphide Program	STCDH_056	108	117.2	ARG		GRAT
Kinsevere Sulphide Program	STCDH_056	117.2	174.78999	DLC	SHC	SD
Kinsevere Sulphide Program	STCDH_056	174.78999	179.25999	DBX		FZ
Kinsevere Sulphide Program	STCDH_056	179.25999	185.5	DLB	DBX	CMN
Kinsevere Sulphide Program	STCDH_056	185.5	188.89999	DLB		CMN
Kinsevere Sulphide Program	STCDH_056	188.89999	193.39999	DLH	DLB	CMN
Kinsevere Sulphide Program	STCDH_056	193.39999	208.3	DLB	DBX	CMN
Kinsevere Sulphide Program	STCDH_056	193.39999	208.3	DLB	DBX	CMN
Kinsevere Sulphide Program	STCDH_056	208.3	210	RATB	DBX	FZ
Kinsevere Sulphide Program	STCDH_056	210	214.7	DBX		CMN
Kinsevere Sulphide Program	STCDH_056	210	214.7	DBX		CMN
Kinsevere Sulphide Program	STCDH_056	214.7	216.10001	SHA		CMN
Kinsevere Sulphide Program	STCDH_056	214.7	216.10001	SHA		CMN
Kinsevere Sulphide Program	STCDH_056	216.10001	261	DLM	SHA	CMN
Kinsevere Sulphide Program	STCDH_057	0	8	SOL		OVB
Kinsevere Sulphide Program	STCDH_057	8	17	DLM		CMN
Kinsevere Sulphide Program	STCDH_057	17	44	DLB		CMN
Kinsevere Sulphide Program	STCDH_057	17	44	DLB		CMN
Kinsevere Sulphide Program	STCDH_057	44	46	DBX		FZ
Kinsevere Sulphide Program	STCDH_057	44	46	DBX		FZ
Kinsevere Sulphide Program	STCDH_057	46	56	DLB		CMN
Kinsevere Sulphide Program	STCDH_057	46	56	DLB		CMN
Kinsevere Sulphide Program	STCDH_057	46	56	DLB		CMN
Kinsevere Sulphide Program	STCDH_057	56	58	NR		
Kinsevere Sulphide Program	STCDH_057	58	67	DLM		CMN
Kinsevere Sulphide Program	STCDH_057	58	67	DLM		CMN
Kinsevere Sulphide Program	STCDH_057	85	91	NR		
Kinsevere Sulphide Program	STCDH_057	91	96	DLB		CMN
Kinsevere Sulphide Program	STCDH_057	96	98.5	NR		
Kinsevere Sulphide Program	STCDH_057	98.5	115	DLB		CMN
Kinsevere Sulphide Program	STCDH_057	98.5	115	DLB		CMN
Kinsevere Sulphide Program	STCDH_058	0	3	SOL		OVB
Kinsevere Sulphide Program	STCDH_058	3	7.5	NR		
Kinsevere Sulphide Program	STCDH_058	7.5	87	SHDL		SD
Kinsevere Sulphide Program	STCDH_058	7.5	87	SHDL		SD
Kinsevere Sulphide Program	STCDH_058	7.5	87	SHDL		SD
Kinsevere Sulphide Program	STCDH_058	87	91.650002	SHC		SD
Kinsevere Sulphide Program	STCDH_058	91.650002	97.099998	SHA	SHDL	SD
Kinsevere Sulphide Program	STCDH_058	91.650002	97.099998	SHA	SHDL	SD
Kinsevere Sulphide Program	STCDH_058	97.099998	99	SHC		SD
Kinsevere Sulphide Program	STCDH_058	97.099998	99	SHC		SD
Kinsevere Sulphide Program	STCDH_058	97.099998	99	SHC		SD
Kinsevere Sulphide Program	STCDH_058	99	123	SHC		SD
Kinsevere Sulphide Program	STCDH_058	123	124	NR		
Kinsevere Sulphide Program	STCDH_058	124	139	SHC	DLC	SD
Kinsevere Sulphide Program	STCDH_058	124	139	SHC	DLC	SD
Kinsevere Sulphide Program	STCDH_058	124	139	SHC	DLC	SD
Kinsevere Sulphide Program	STCDH_058	139	141	DLB		SD
Kinsevere Sulphide Program	STCDH_058	141	142.5	NR		
Kinsevere Sulphide Program	STCDH_058	142.5	145	DLB		SD

Kinsevere Sulphide Program	STCDH_058	145	161.24001	DLC	SHC	SD
Kinsevere Sulphide Program	STCDH_058	145	161.24001	DLC	SHC	SD
Kinsevere Sulphide Program	STCDH_058	161.24001	162.53	NR		
Kinsevere Sulphide Program	STCDH_058	162.53	195	DLB	DLC	CMN
Kinsevere Sulphide Program	STCDH_058	195	207	SHC		CMN
Kinsevere Sulphide Program	STCDH_058	195	207	SHC		CMN
Kinsevere Sulphide Program	STCDH_058	195	207	SHC		CMN
Kinsevere Sulphide Program	STCDH_058	207	209.2	DLB		CMN
Kinsevere Sulphide Program	STCDH_058	207	209.2	DLB		CMN
Kinsevere Sulphide Program	STCDH_059	0	6	LAT	SOL	OVB
Kinsevere Sulphide Program	STCDH_059	6	40.5	SHA	SHDL	SD
Kinsevere Sulphide Program	STCDH_059	40.5	43.5	NR		
Kinsevere Sulphide Program	STCDH_059	43.5	45	SHA		SD
Kinsevere Sulphide Program	STCDH_059	45	52.5	NR		
Kinsevere Sulphide Program	STCDH_059	52.5	54	SHA		SD
Kinsevere Sulphide Program	STCDH_059	54	55	HBX		FZ
Kinsevere Sulphide Program	STCDH_059	55	58.5	SHA		SD
Kinsevere Sulphide Program	STCDH_059	58.5	60	NR		NR
Kinsevere Sulphide Program	STCDH_059	60	63	SHDL	DLH	SD
Kinsevere Sulphide Program	STCDH_059	63	66	DLL	DLH	RSF
Kinsevere Sulphide Program	STCDH_059	69	84	NR		
Kinsevere Sulphide Program	STCDH_059	84	93	ARG		GRAT
Kinsevere Sulphide Program	STCDH_059	84	93	ARG		GRAT
Kinsevere Sulphide Program	STCDH_059	93	97.5	NR		
Kinsevere Sulphide Program	STCDH_059	97.5	101.25	ARG	SLT	SD
Kinsevere Sulphide Program	STCDH_059	101.25	105	SLT	ARG	GRAT
Kinsevere Sulphide Program	STCDH_059	105	112.5	NR		
Kinsevere Sulphide Program	STCDH_059	112.5	142.39999	ARG		GRAT
Kinsevere Sulphide Program	STCDH_059	112.5	142.39999	ARG		GRAT
Kinsevere Sulphide Program	STCDH_059	142.39999	146.5	DLM	DBX	FZ
Kinsevere Sulphide Program	STCDH_059	142.39999	146.5	DLM	DBX	FZ
Kinsevere Sulphide Program	STCDH_059	142.39999	146.5	DLM	DBX	FZ
Kinsevere Sulphide Program	STCDH_059	146.5	148	NR		
Kinsevere Sulphide Program	STCDH_059	148	155.5	DBX	DLM	FZ
Kinsevere Sulphide Program	STCDH_059	148	155.5	DBX	DLM	FZ
Kinsevere Sulphide Program	STCDH_059	148	155.5	DBX	DLM	FZ
Kinsevere Sulphide Program	STCDH_059	155.5	161.5	NR		
Kinsevere Sulphide Program	STCDH_059	161.5	165	ARG		GRAT
Kinsevere Sulphide Program	STCDH_059	165	170.5	NR		
Kinsevere Sulphide Program	STCDH_059	170.5	172	ARG		GRAT
Kinsevere Sulphide Program	STCDH_059	172	173.5	NR		
Kinsevere Sulphide Program	STCDH_060	0	20.26	SHA	SLT	SD
Kinsevere Sulphide Program	STCDH_060	20.26	21.200001	SHC		SD
Kinsevere Sulphide Program	STCDH_060	20.26	21.200001	SHC		SD
Kinsevere Sulphide Program	STCDH_060	20.26	21.200001	SHC		SD
Kinsevere Sulphide Program	STCDH_060	21.200001	31	SLT	SHA	SD
Kinsevere Sulphide Program	STCDH_060	31	37.5	SHC		SD
Kinsevere Sulphide Program	STCDH_060	31	37.5	SHC		SD
Kinsevere Sulphide Program	STCDH_060	31	37.5	SHC		SD
Kinsevere Sulphide Program	STCDH_060	37.5	64	SHC		SD
Kinsevere Sulphide Program	STCDH_060	37.5	64	SHC		SD
Kinsevere Sulphide Program	STCDH_060	64	66.300003	SHC		SD
Kinsevere Sulphide Program	STCDH_060	64	66.300003	SHC		SD
Kinsevere Sulphide Program	STCDH_060	64	66.300003	SHC		SD
Kinsevere Sulphide Program	STCDH_060	66.300003	74	SHA		SD
Kinsevere Sulphide Program	STCDH_060	74	75.900002	CARS		SD
Kinsevere Sulphide Program	STCDH_060	74	75.900002	CARS		SD
Kinsevere Sulphide Program	STCDH_060	74	75.900002	CARS		SD
Kinsevere Sulphide Program	STCDH_060	75.900002	81	SHA		SD
Kinsevere Sulphide Program	STCDH_060	75.900002	81	SHA		SD
Kinsevere Sulphide Program	STCDH_060	81	90.5	SHC	SHDL	SD
Kinsevere Sulphide Program	STCDH_060	81	90.5	SHC	SHDL	SD
Kinsevere Sulphide Program	STCDH_060	81	90.5	SHC	SHDL	SD

Kinsevere Sulphide Program	STCDH_060	90.5	95.300003	SHDL		SD
Kinsevere Sulphide Program	STCDH_060	90.5	95.300003	SHDL		SD
Kinsevere Sulphide Program	STCDH_060	90.5	95.300003	SHDL		SD
Kinsevere Sulphide Program	STCDH_060	95.300003	99	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_060	95.300003	99	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_060	95.300003	99	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_060	99	126	SHC		SD
Kinsevere Sulphide Program	STCDH_060	99	126	SHC		SD
Kinsevere Sulphide Program	STCDH_060	99	126	SHC		SD
Kinsevere Sulphide Program	STCDH_060	126	169	SHDL	SHC	SD
Kinsevere Sulphide Program	STCDH_060	126	169	SHDL	SHC	SD
Kinsevere Sulphide Program	STCDH_060	169	195	SHC	DLC	SD
Kinsevere Sulphide Program	STCDH_060	169	195	SHC	DLC	SD
Kinsevere Sulphide Program	STCDH_060	169	195	SHC	DLC	SD
Kinsevere Sulphide Program	STCDH_060	195	283	DLB		CMN
Kinsevere Sulphide Program	STCDH_060	195	283	DLB		CMN
Kinsevere Sulphide Program	STCDH_060	195	283	DLB		CMN
Kinsevere Sulphide Program	STCDH_060	283	299	DLB	SHDL	CMN
Kinsevere Sulphide Program	STCDH_060	283	299	DLB	SHDL	CMN
Kinsevere Sulphide Program	STCDH_060	283	299	DLB	SHDL	CMN
Kinsevere Sulphide Program	STCDH_060	299	307	SHC		CMN
Kinsevere Sulphide Program	STCDH_060	307	325	SHDL	DLH	CMN
Kinsevere Sulphide Program	STCDH_060	325	351.29999	SHC		CMN
Kinsevere Sulphide Program	STCDH_060	325	351.29999	SHC		CMN
Kinsevere Sulphide Program	STCDH_060	351.29999	352	QZ	SHR	FZ
Kinsevere Sulphide Program	STCDH_060	352	361	BARG		RATB
Kinsevere Sulphide Program	STCDH_061	0	39	SHC		SD
Kinsevere Sulphide Program	STCDH_061	39	40.299999	SHC		SD
Kinsevere Sulphide Program	STCDH_061	39	40.299999	SHC		SD
Kinsevere Sulphide Program	STCDH_061	39	40.299999	SHC		SD
Kinsevere Sulphide Program	STCDH_061	40.299999	45	SHDL	DLH	SD
Kinsevere Sulphide Program	STCDH_061	40.299999	45	SHDL	DLH	SD
Kinsevere Sulphide Program	STCDH_061	40.299999	45	SHDL	DLH	SD
Kinsevere Sulphide Program	STCDH_061	45	57.200001	SHDL	CARS	SD
Kinsevere Sulphide Program	STCDH_061	45	57.200001	SHDL	CARS	SD
Kinsevere Sulphide Program	STCDH_061	45	57.200001	SHDL	CARS	SD
Kinsevere Sulphide Program	STCDH_061	57.200001	86.199997	SHC		SD
Kinsevere Sulphide Program	STCDH_061	57.200001	86.199997	SHC		SD
Kinsevere Sulphide Program	STCDH_061	57.200001	86.199997	SHC		SD
Kinsevere Sulphide Program	STCDH_061	86.199997	88	DLH		SD
Kinsevere Sulphide Program	STCDH_061	86.199997	88	DLH		SD
Kinsevere Sulphide Program	STCDH_061	86.199997	88	DLH		SD
Kinsevere Sulphide Program	STCDH_061	88	100	SHA	SHDL	SD
Kinsevere Sulphide Program	STCDH_061	88	100	SHA	SHDL	SD
Kinsevere Sulphide Program	STCDH_061	100	103	CARS	DLC	SD
Kinsevere Sulphide Program	STCDH_061	100	103	CARS	DLC	SD
Kinsevere Sulphide Program	STCDH_061	103	139	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_061	103	139	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_061	103	139	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_061	139	157	DLB	DLC	SD
Kinsevere Sulphide Program	STCDH_061	139	157	DLB	DLC	SD
Kinsevere Sulphide Program	STCDH_061	157	167.5	SHC		SD
Kinsevere Sulphide Program	STCDH_061	167.5	175	NR		NR
Kinsevere Sulphide Program	STCDH_061	175	175.60001	SHC		NR
Kinsevere Sulphide Program	STCDH_061	175.60001	274.5	DLB		CMN
Kinsevere Sulphide Program	STCDH_061	175.60001	274.5	DLB		CMN
Kinsevere Sulphide Program	STCDH_061	175.60001	274.5	DLB		CMN
Kinsevere Sulphide Program	STCDH_061	274.5	278.64999	SHC		CMN
Kinsevere Sulphide Program	STCDH_061	278.64999	289.26999	DBX		FZ
Kinsevere Sulphide Program	STCDH_061	289.26999	291.70001	RATB		RATB
Kinsevere Sulphide Program	STCDH_061	289.26999	291.70001	RATB		RATB
Kinsevere Sulphide Program	STCDH_061	291.70001	301	SHDL	SHC	SD
Kinsevere Sulphide Program	STCDH_061	291.70001	301	SHDL	SHC	SD

Kinsevere Sulphide Program	STCDH_062	0	66	DLB	SHDL	CMN
Kinsevere Sulphide Program	STCDH_062	66	67.5	NR		
Kinsevere Sulphide Program	STCDH_062	67.5	76.5	SHDL		CMN
Kinsevere Sulphide Program	STCDH_062	76.5	79.5	NR		
Kinsevere Sulphide Program	STCDH_062	79.5	85.5	DLB		CMN
Kinsevere Sulphide Program	STCDH_062	85.5	97.5	SHDL		CMN
Kinsevere Sulphide Program	STCDH_062	97.5	99	NR		
Kinsevere Sulphide Program	STCDH_062	99	100.5	DLB		CMN
Kinsevere Sulphide Program	STCDH_062	100.5	105	NR		
Kinsevere Sulphide Program	STCDH_062	105	106	SHDL		CMN
Kinsevere Sulphide Program	STCDH_062	106	127	DLB		CMN
Kinsevere Sulphide Program	STCDH_062	106	127	DLB		CMN
Kinsevere Sulphide Program	STCDH_062	127	167.7	DLC	SHC	CMN
Kinsevere Sulphide Program	STCDH_062	167.7	177	DLB		CMN
Kinsevere Sulphide Program	STCDH_062	177	181.7	BARG		FZ
Kinsevere Sulphide Program	STCDH_062	181.7	183	SHC	MX	CMN
Kinsevere Sulphide Program	STCDH_062	183	250	DLB	SHC	CMN
Kinsevere Sulphide Program	STCDH_062	183	250	DLB	SHC	CMN
Kinsevere Sulphide Program	STCDH_062	183	250	DLB	SHC	CMN
Kinsevere Sulphide Program	STCDH_063	0	21	SHC		SD
Kinsevere Sulphide Program	STCDH_063	0	21	SHC		SD
Kinsevere Sulphide Program	STCDH_063	0	21	SHC		SD
Kinsevere Sulphide Program	STCDH_063	21	24.5	SHDL		SD
Kinsevere Sulphide Program	STCDH_063	21	24.5	SHDL		SD
Kinsevere Sulphide Program	STCDH_063	24.5	27.200001	SHC		SD
Kinsevere Sulphide Program	STCDH_063	24.5	27.200001	SHC		SD
Kinsevere Sulphide Program	STCDH_063	27.200001	60	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_063	27.200001	60	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_063	60	60.5	NR		
Kinsevere Sulphide Program	STCDH_063	60.5	69	SHDL		SD
Kinsevere Sulphide Program	STCDH_063	60.5	69	SHDL		SD
Kinsevere Sulphide Program	STCDH_063	69	121	SHC	DLC	SD
Kinsevere Sulphide Program	STCDH_063	69	121	SHC	DLC	SD
Kinsevere Sulphide Program	STCDH_063	69	121	SHC	DLC	SD
Kinsevere Sulphide Program	STCDH_063	121	246.5	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_063	121	246.5	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_063	121	246.5	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_063	246.5	250	SHDL		SD
Kinsevere Sulphide Program	STCDH_064	0	13	ARG		GRAT
Kinsevere Sulphide Program	STCDH_064	0	13	ARG		GRAT
Kinsevere Sulphide Program	STCDH_064	0	13	ARG		GRAT
Kinsevere Sulphide Program	STCDH_064	13	19	DLB	DLH	DSTR
Kinsevere Sulphide Program	STCDH_064	13	19	DLB	DLH	DSTR
Kinsevere Sulphide Program	STCDH_064	19	22	DLL	DLB	RSF
Kinsevere Sulphide Program	STCDH_064	22	29	SLT	SHA	SD
Kinsevere Sulphide Program	STCDH_064	22	29	SLT	SHA	SD
Kinsevere Sulphide Program	STCDH_064	29	38.299999	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_064	29	38.299999	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_064	38.299999	45	SLT	SHA	SD
Kinsevere Sulphide Program	STCDH_064	38.299999	45	SLT	SHA	SD
Kinsevere Sulphide Program	STCDH_064	45	54	CARS		SD
Kinsevere Sulphide Program	STCDH_064	45	54	CARS		SD
Kinsevere Sulphide Program	STCDH_064	45	54	CARS		SD
Kinsevere Sulphide Program	STCDH_064	54	55.25	NR		
Kinsevere Sulphide Program	STCDH_064	55.25	60	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_064	55.25	60	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_064	55.25	60	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_064	60	154	SHC	DLH	SD
Kinsevere Sulphide Program	STCDH_064	60	154	SHC	DLH	SD
Kinsevere Sulphide Program	STCDH_064	60	154	SHC	DLH	SD
Kinsevere Sulphide Program	STCDH_064	154	181	SHDL	DLC	SD
Kinsevere Sulphide Program	STCDH_064	154	181	SHDL	DLC	SD
Kinsevere Sulphide Program	STCDH_064	181	213	DLM	DLB	SD

Kinsevere Sulphide Program	STCDH_064	181	213	DLM	DLB	SD
Kinsevere Sulphide Program	STCDH_064	181	213	DLM	DLB	SD
Kinsevere Sulphide Program	STCDH_064	213	226	DLB	DLC	SD
Kinsevere Sulphide Program	STCDH_064	213	226	DLB	DLC	SD
Kinsevere Sulphide Program	STCDH_064	213	226	DLB	DLC	SD
Kinsevere Sulphide Program	STCDH_064	226	237	DLB		CMN
Kinsevere Sulphide Program	STCDH_064	226	237	DLB		CMN
Kinsevere Sulphide Program	STCDH_064	237	238.60001	MX		FZ
Kinsevere Sulphide Program	STCDH_064	238.60001	322.39999	SHC	DLB	CMN
Kinsevere Sulphide Program	STCDH_064	238.60001	322.39999	SHC	DLB	CMN
Kinsevere Sulphide Program	STCDH_065	0	22.5	SHDL	DLH	SD
Kinsevere Sulphide Program	STCDH_065	22.5	24	NR		
Kinsevere Sulphide Program	STCDH_065	24	28.799999	SHDL	SLT	SD
Kinsevere Sulphide Program	STCDH_065	28.799999	48	CARS	DLC	SD
Kinsevere Sulphide Program	STCDH_065	28.799999	48	CARS	DLC	SD
Kinsevere Sulphide Program	STCDH_065	28.799999	48	CARS	DLC	SD
Kinsevere Sulphide Program	STCDH_065	48	49.400002	NR		
Kinsevere Sulphide Program	STCDH_065	49.400002	72	CARS	DLC	SD
Kinsevere Sulphide Program	STCDH_065	49.400002	72	CARS	DLC	SD
Kinsevere Sulphide Program	STCDH_065	72	88	SHDL	SHA	SD
Kinsevere Sulphide Program	STCDH_065	72	88	SHDL	SHA	SD
Kinsevere Sulphide Program	STCDH_065	88	116	SHC		SD
Kinsevere Sulphide Program	STCDH_065	88	116	SHC		SD
Kinsevere Sulphide Program	STCDH_065	88	116	SHC		SD
Kinsevere Sulphide Program	STCDH_065	116	118	SHDL		SD
Kinsevere Sulphide Program	STCDH_065	116	118	SHDL		SD
Kinsevere Sulphide Program	STCDH_065	116	118	SHDL		SD
Kinsevere Sulphide Program	STCDH_065	118	127	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_065	118	127	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_065	127	135.05	CARS		SD
Kinsevere Sulphide Program	STCDH_065	127	135.05	CARS		SD
Kinsevere Sulphide Program	STCDH_065	127	135.05	CARS		SD
Kinsevere Sulphide Program	STCDH_065	135.05	152	SLT	SHA	SD
Kinsevere Sulphide Program	STCDH_065	135.05	152	SLT	SHA	SD
Kinsevere Sulphide Program	STCDH_065	135.05	152	SLT	SHA	SD
Kinsevere Sulphide Program	STCDH_065	152	157	DLH	SHDL	RSF
Kinsevere Sulphide Program	STCDH_065	152	157	DLH	SHDL	RSF
Kinsevere Sulphide Program	STCDH_065	157	163.3	SHDL		DSTR
Kinsevere Sulphide Program	STCDH_065	157	163.3	SHDL		DSTR
Kinsevere Sulphide Program	STCDH_065	163.3	171	ARG		GRAT
Kinsevere Sulphide Program	STCDH_065	163.3	171	ARG		GRAT
Kinsevere Sulphide Program	STCDH_065	171	190	ARG	SLT	RRAT
Kinsevere Sulphide Program	STCDH_066	0	34	SHC		SD
Kinsevere Sulphide Program	STCDH_066	0	34	SHC		SD
Kinsevere Sulphide Program	STCDH_066	0	34	SHC		SD
Kinsevere Sulphide Program	STCDH_066	34	36.599998	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_066	34	36.599998	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_066	34	36.599998	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_066	42.669998	46	SHC		SD
Kinsevere Sulphide Program	STCDH_066	42.669998	46	SHC		SD
Kinsevere Sulphide Program	STCDH_066	42.669998	46	SHC		SD
Kinsevere Sulphide Program	STCDH_066	46	99.900002	SHC	DLC	SD
Kinsevere Sulphide Program	STCDH_066	46	99.900002	SHC	DLC	SD
Kinsevere Sulphide Program	STCDH_066	99.900002	102	NR		
Kinsevere Sulphide Program	STCDH_066	102	114	SHC		SD
Kinsevere Sulphide Program	STCDH_066	102	114	SHC		SD
Kinsevere Sulphide Program	STCDH_066	102	114	SHC		SD
Kinsevere Sulphide Program	STCDH_066	114	120	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_066	114	120	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_066	114	120	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_066	120	130.60001	SHC		SD
Kinsevere Sulphide Program	STCDH_066	120	130.60001	SHC		SD
Kinsevere Sulphide Program	STCDH_066	120	130.60001	SHC		SD

Kinsevere Sulphide Program	STCDH_066	130.60001	144	SLT	SHA	SD
Kinsevere Sulphide Program	STCDH_066	130.60001	144	SLT	SHA	SD
Kinsevere Sulphide Program	STCDH_066	144	150	DLL		RSF
Kinsevere Sulphide Program	STCDH_066	150	153.56	DLB		DSTR
Kinsevere Sulphide Program	STCDH_066	150	153.56	DLB		DSTR
Kinsevere Sulphide Program	STCDH_066	153.56	159	ARG		GRAT
Kinsevere Sulphide Program	STCDH_066	153.56	159	ARG		GRAT
Kinsevere Sulphide Program	STCDH_066	159	180	ARG		GRAT
Kinsevere Sulphide Program	STCDH_066	159	180	ARG		GRAT
Kinsevere Sulphide Program	STCDH_066	180	205	ARG		RAT
Kinsevere Sulphide Program	STCDH_067	0	6	SOL		OVB
Kinsevere Sulphide Program	STCDH_067	6	7.5	NR		
Kinsevere Sulphide Program	STCDH_067	7.5	10.9	SOL		OVB
Kinsevere Sulphide Program	STCDH_067	57	75	DLB		CMN
Kinsevere Sulphide Program	STCDH_067	75	78	NR		
Kinsevere Sulphide Program	STCDH_067	78	97	SHDL	DLB	CMN
Kinsevere Sulphide Program	STCDH_067	78	97	SHDL	DLB	CMN
Kinsevere Sulphide Program	STCDH_067	97	102	NR		
Kinsevere Sulphide Program	STCDH_067	102	108	DLB		CMN
Kinsevere Sulphide Program	STCDH_067	102	108	DLB		CMN
Kinsevere Sulphide Program	STCDH_067	108	111	SHC	DLC	CMN
Kinsevere Sulphide Program	STCDH_067	108	111	SHC	DLC	CMN
Kinsevere Sulphide Program	STCDH_067	111	112.5	NR		
Kinsevere Sulphide Program	STCDH_067	112.5	115.5	DLC	SHC	CMN
Kinsevere Sulphide Program	STCDH_067	115.5	117	NR		
Kinsevere Sulphide Program	STCDH_067	117	121.5	DLB		CMN
Kinsevere Sulphide Program	STCDH_067	117	121.5	DLB		CMN
Kinsevere Sulphide Program	STCDH_067	117	121.5	DLB		CMN
Kinsevere Sulphide Program	STCDH_067	121.5	123	NR		
Kinsevere Sulphide Program	STCDH_067	123	124.5	SHC		CMN
Kinsevere Sulphide Program	STCDH_067	124.5	126	NR		
Kinsevere Sulphide Program	STCDH_067	126	133.5	DLB		CMN
Kinsevere Sulphide Program	STCDH_067	133.5	135	NR		
Kinsevere Sulphide Program	STCDH_067	135	136.5	DLC	SHC	CMN
Kinsevere Sulphide Program	STCDH_067	136.5	138	NR		
Kinsevere Sulphide Program	STCDH_067	138	167.3	DLB		CMN
Kinsevere Sulphide Program	STCDH_068	0	6.4499998	SOL	Dump	OVB
Kinsevere Sulphide Program	STCDH_068	6.4499998	37.900002	SLT	SHA	SD
Kinsevere Sulphide Program	STCDH_068	37.900002	47	SLT	SHA	SD
Kinsevere Sulphide Program	STCDH_068	37.900002	47	SLT	SHA	SD
Kinsevere Sulphide Program	STCDH_068	47	56.299999	SHC	SHA	SD
Kinsevere Sulphide Program	STCDH_068	56.299999	79.099998	SLT	SHA	SD
Kinsevere Sulphide Program	STCDH_068	79.099998	111	SHC		SD
Kinsevere Sulphide Program	STCDH_068	79.099998	111	SHC		SD
Kinsevere Sulphide Program	STCDH_068	79.099998	111	SHC		SD
Kinsevere Sulphide Program	STCDH_068	111	126	SHA	SHDL	SD
Kinsevere Sulphide Program	STCDH_068	111	126	SHA	SHDL	SD
Kinsevere Sulphide Program	STCDH_068	126	214.89999	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_068	126	214.89999	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_068	126	214.89999	SHC	CARS	SD
Kinsevere Sulphide Program	STCDH_069	0	59.5	SLT	SHA	SD
Kinsevere Sulphide Program	STCDH_069	59.5	91	SHC		SD
Kinsevere Sulphide Program	STCDH_069	59.5	91	SHC		SD
Kinsevere Sulphide Program	STCDH_069	91	94	ARG		GRAT
Kinsevere Sulphide Program	STCDH_069	91	94	ARG		GRAT
Kinsevere Sulphide Program	STCDH_069	94	140	DLB	DLH	DSTR
Kinsevere Sulphide Program	STCDH_069	94	140	DLB	DLH	DSTR
Kinsevere Sulphide Program	STCDH_069	140	146.75	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_069	140	146.75	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_069	146.75	162.33	SLT	SHA	SD
Kinsevere Sulphide Program	STCDH_069	162.33	180.5	SHC		SD
Kinsevere Sulphide Program	STCDH_069	162.33	180.5	SHC		SD
Kinsevere Sulphide Program	STCDH_069	162.33	180.5	SHC		SD

Kinsevere Sulphide Program	STCDH_069	180.5	216	SHC		SD
Kinsevere Sulphide Program	STCDH_069	180.5	216	SHC		SD
Kinsevere Sulphide Program	STCDH_070	0	6	NR		
Kinsevere Sulphide Program	STCDH_070	6	15	SPR		OVB
Kinsevere Sulphide Program	STCDH_070	15	64.900002	SHDL	SHA	SD
Kinsevere Sulphide Program	STCDH_070	15	64.900002	SHDL	SHA	SD
Kinsevere Sulphide Program	STCDH_070	64.900002	69	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_070	64.900002	69	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_070	64.900002	69	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_070	69	72	NR		NR
Kinsevere Sulphide Program	STCDH_070	72	84	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_070	72	84	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_070	72	84	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_070	84	137	DLC	DLB	CMN
Kinsevere Sulphide Program	STCDH_070	84	137	DLC	DLB	CMN
Kinsevere Sulphide Program	STCDH_070	137	155.67	SHC		
Kinsevere Sulphide Program	STCDH_070	155.67	190.5	DLB	DLC	CMN
Kinsevere Sulphide Program	STCDH_070	155.67	190.5	DLB	DLC	CMN
Kinsevere Sulphide Program	STCDH_070	190.5	196.5	NR		
Kinsevere Sulphide Program	STCDH_070	196.5	202.5	FZ		
Kinsevere Sulphide Program	STCDH_070	202.5	210	DLB		CMN
Kinsevere Sulphide Program	STCDH_070	202.5	210	DLB		CMN
Kinsevere Sulphide Program	STCDH_070	210	216	DLB		CMN
Kinsevere Sulphide Program	STCDH_070	216	226.5	DLB		CMN
Kinsevere Sulphide Program	STCDH_070	226.5	228	NR		NR
Kinsevere Sulphide Program	STCDH_070	228	237	SHA		CMN
Kinsevere Sulphide Program	STCDH_070	228	237	SHA		CMN
Kinsevere Sulphide Program	STCDH_070	228	237	SHA		CMN
Kinsevere Sulphide Program	STCDH_070	237	315	DLB	SHA	CMN
Kinsevere Sulphide Program	STCDH_070	237	315	DLB	SHA	CMN
Kinsevere Sulphide Program	STCDH_070	237	315	DLB	SHA	CMN
Kinsevere Sulphide Program	STCDH_071	0	32.5	SLT	SHDL	SD
Kinsevere Sulphide Program	STCDH_071	0	32.5	SLT	SHDL	SD
Kinsevere Sulphide Program	STCDH_071	32.5	121	CARS		SD
Kinsevere Sulphide Program	STCDH_071	32.5	121	CARS		SD
Kinsevere Sulphide Program	STCDH_071	121	149.60001	SHDL		SD
Kinsevere Sulphide Program	STCDH_071	121	149.60001	SHDL		SD
Kinsevere Sulphide Program	STCDH_071	121	149.60001	SHDL		SD
Kinsevere Sulphide Program	STCDH_071	149.60001	240	SHDL	SHC	SD
Kinsevere Sulphide Program	STCDH_071	149.60001	240	SHDL	SHC	SD
Kinsevere Sulphide Program	STCDH_071	240	300	SHC		SD
Kinsevere Sulphide Program	STCDH_071	240	300	SHC		SD
Kinsevere Sulphide Program	STCDH_072	0	34	SHA	SLT	SD
Kinsevere Sulphide Program	STCDH_072	0	34	SHA	SLT	SD
Kinsevere Sulphide Program	STCDH_072	34	171.5	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_072	34	171.5	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_072	34	171.5	CARS	SHC	SD
Kinsevere Sulphide Program	STCDH_073	0	15	SPR		OVB
Kinsevere Sulphide Program	STCDH_073	15	54	DLH	SHA	CMN
Kinsevere Sulphide Program	STCDH_073	54	149	DLB	SHA	CMN
Kinsevere Sulphide Program	STCDH_073	54	149	DLB	SHA	CMN
Kinsevere Sulphide Program	STCDH_073	54	149	DLB	SHA	CMN
Kinsevere Sulphide Program	STCDH_073	149	154	HBX	DBX	FZ
Kinsevere Sulphide Program	STCDH_073	149	154	HBX	DBX	FZ
Kinsevere Sulphide Program	STCDH_074	0	33	SHA	SPR	CMN
Kinsevere Sulphide Program	STCDH_074	33	34.5	NR		NR
Kinsevere Sulphide Program	STCDH_074	34.5	39	SHDL	DLH	CMN
Kinsevere Sulphide Program	STCDH_074	39	52	SHA		CMN
Kinsevere Sulphide Program	STCDH_074	52	118.33	DLB	SHA	CMN
Kinsevere Sulphide Program	STCDH_074	52	118.33	DLB	SHA	CMN
Kinsevere Sulphide Program	STCDH_074	52	118.33	DLB	SHA	CMN
Kinsevere Sulphide Program	STCDH_074	118.33	160	SHA	DLB	CMN
Kinsevere Sulphide Program	STCDH_074	118.33	160	SHA	DLB	CMN

Kinsevere Sulphide Program	STCDH_074	160	239	DLB		CMN
Kinsevere Sulphide Program	STCDH_074	160	239	DLB		CMN
Kinsevere Sulphide Program	STCDH_074	239	244	SHC		CMN
Kinsevere Sulphide Program	STCDH_074	239	244	SHC		CMN
Kinsevere Sulphide Program	STCDH_074	244	264	DLB	DLC	CMN
Kinsevere Sulphide Program	STCDH_074	244	264	DLB	DLC	CMN
Kinsevere Sulphide Program	STCDH_074	244	264	DLB	DLC	CMN
Kinsevere Sulphide Program	STCDH_074	264	295.25	SHC	DLB	SD
Kinsevere Sulphide Program	STCDH_074	264	295.25	SHC	DLB	SD
Kinsevere Sulphide Program	STCDH_074	264	295.25	SHC	DLB	SD
Kinsevere Sulphide Program	STCDH_074	295.25	328	SHA	SHDL	SD
Kinsevere Sulphide Program	STCDH_074	295.25	328	SHA	SHDL	SD
Kinsevere Sulphide Program	STFDH_001	0	19.700001	ARG		RAT
Kinsevere Sulphide Program	STFDH_001	19.700001	23.200001	ARG		RAT
Kinsevere Sulphide Program	STFDH_001	23.200001	127.4	ARG		RAT
Kinsevere Sulphide Program	STFDH_001	127.4	131.2	ARG		RATB
Kinsevere Sulphide Program	STFDH_001	131.2	146.39999	DBX		CMN
Kinsevere Sulphide Program	STFDH_001	131.2	146.39999	DBX		CMN
Kinsevere Sulphide Program	STFDH_001	131.2	146.39999	DBX		CMN
Kinsevere Sulphide Program	STFDH_001	146.39999	155.2	DLB		CMN
Kinsevere Sulphide Program	STFDH_001	155.2	164.5	DBX	ARG	CMN
Kinsevere Sulphide Program	STFDH_001	164.5	237.89999	DLB		CMN
Kinsevere Sulphide Program	STFDH_001	237.89999	244	HBX	ARG	CMN
Kinsevere Sulphide Program	STFDH_001	244	257.29999	DLB		CMN
Kinsevere Sulphide Program	STFDH_001	257.29999	270.04999	DBX	ARG	CMN
Kinsevere Sulphide Program	STFDH_001	257.29999	270.04999	DBX	ARG	CMN
Kinsevere Sulphide Program	STFDH_001	270.04999	283	ARG		RATB
Kinsevere Sulphide Program	STFDH_001	283	350	ARG		RAT
Kinsevere Sulphide Program	STFDH_002	0	1.8	SOL		OVB
Kinsevere Sulphide Program	STFDH_002	1.8	47.450001	ARG		RATB
Kinsevere Sulphide Program	STFDH_002	47.450001	81.5	ARG		RAT
Kinsevere Sulphide Program	STFDH_002	81.5	350	ARG		RATB
Kinsevere Sulphide Program	STFDH_003	0	30	SHA		SD
Kinsevere Sulphide Program	STFDH_003	0	30	SHA		SD
Kinsevere Sulphide Program	STFDH_003	0	30	SHA		SD
Kinsevere Sulphide Program	STFDH_003	30	34.299999	MX	SLT	SD
Kinsevere Sulphide Program	STFDH_003	30	34.299999	MX	SLT	SD
Kinsevere Sulphide Program	STFDH_003	30	34.299999	MX	SLT	SD
Kinsevere Sulphide Program	STFDH_003	34.299999	36.900002	DLB	DLH	RSF
Kinsevere Sulphide Program	STFDH_003	34.299999	36.900002	DLB	DLH	RSF
Kinsevere Sulphide Program	STFDH_003	34.299999	36.900002	DLB	DLH	RSF
Kinsevere Sulphide Program	STFDH_003	36.900002	39.599998	DLB		DSTR
Kinsevere Sulphide Program	STFDH_003	36.900002	39.599998	DLB		DSTR
Kinsevere Sulphide Program	STFDH_003	36.900002	39.599998	DLB		DSTR
Kinsevere Sulphide Program	STFDH_003	39.599998	42	ARG		GRAT
Kinsevere Sulphide Program	STFDH_003	42	65.5	ARG		GRAT
Kinsevere Sulphide Program	STFDH_003	65.5	75	RATB	ARG	RATB
Kinsevere Sulphide Program	STFDH_003	75	77.800003	ARG	BARG	RAT
Kinsevere Sulphide Program	STFDH_003	75	77.800003	ARG	BARG	RAT
Kinsevere Sulphide Program	STFDH_003	77.800003	85	ARG		RAT
Kinsevere Sulphide Program	STFDH_004	0	4.5	DLB		DSTR
Kinsevere Sulphide Program	STFDH_004	0	4.5	DLB		DSTR
Kinsevere Sulphide Program	STFDH_004	4.9499998	6.1500001	DLL		RSF
Kinsevere Sulphide Program	STFDH_004	4.9499998	6.1500001	DLL		RSF
Kinsevere Sulphide Program	STFDH_004	4.9499998	6.1500001	DLL		RSF
Kinsevere Sulphide Program	STFDH_004	6.1500001	25.700001	SHA		SD
Kinsevere Sulphide Program	STFDH_004	6.1500001	25.700001	SHA		SD
Kinsevere Sulphide Program	STFDH_004	6.1500001	25.700001	SHA		SD
Kinsevere Sulphide Program	STFDH_004	25.700001	52.5	SHDL	SHA	SD
Kinsevere Sulphide Program	STFDH_004	25.700001	52.5	SHDL	SHA	SD
Kinsevere Sulphide Program	STFDH_004	25.700001	52.5	SHDL	SHA	SD
Kinsevere Sulphide Program	STFDH_004	52.5	67.5	SHC		SD
Kinsevere Sulphide Program	STFDH_004	52.5	67.5	SHC		SD

Kinsevere Sulphide Program	STFDH_004	67.5	69	SHC		SD
Kinsevere Sulphide Program	STFDH_004	67.5	69	SHC		SD
Kinsevere Sulphide Program	STFDH_004	69	94	CARS		SD
Kinsevere Sulphide Program	STFDH_004	69	94	CARS		SD
Kinsevere Sulphide Program	STFDH_004	69	94	CARS		SD
Kinsevere Sulphide Program	STFDH_004	94	119.6	CARS		SD
Kinsevere Sulphide Program	STFDH_004	94	119.6	CARS		SD
Kinsevere Sulphide Program	STFDH_004	94	119.6	CARS		SD
Kinsevere Sulphide Program	STFDH_004	119.6	124.5	SHC	DLC	SD
Kinsevere Sulphide Program	STFDH_004	119.6	124.5	SHC	DLC	SD
Kinsevere Sulphide Program	STFDH_004	119.6	124.5	SHC	DLC	SD
Kinsevere Sulphide Program	STFDH_004	124.5	137.42999	DLB	DLC	CMN
Kinsevere Sulphide Program	STFDH_004	124.5	137.42999	DLB	DLC	CMN
Kinsevere Sulphide Program	STFDH_004	124.5	137.42999	DLB	DLC	CMN
Kinsevere Sulphide Program	STFDH_004	137.42999	143.5	RATB	ARG	RATB
Kinsevere Sulphide Program	STFDH_004	143.5	144.10001	DBX		CMN
Kinsevere Sulphide Program	STFDH_004	144.10001	144.7	RATB		RATB
Kinsevere Sulphide Program	STFDH_004	144.7	146	DLB	DLM	CMN
Kinsevere Sulphide Program	STFDH_004	146	148.10001	RATB		RATB
Kinsevere Sulphide Program	STFDH_004	148.10001	204	SHDL	SHC	SD
Kinsevere Sulphide Program	STFDH_004	148.10001	204	SHDL	SHC	SD
Kinsevere Sulphide Program	STFDH_004	204	240	CARS	SHC	SD
Kinsevere Sulphide Program	STFDH_004	204	240	CARS	SHC	SD
Kinsevere Sulphide Program	STFDH_005	0	5.5999999	DLB	DLH	CMN
Kinsevere Sulphide Program	STFDH_005	0	5.5999999	DLB	DLH	CMN
Kinsevere Sulphide Program	STFDH_005	0	5.5999999	DLB	DLH	CMN
Kinsevere Sulphide Program	STFDH_005	5.5999999	7.0999999	NR		
Kinsevere Sulphide Program	STFDH_005	7.0999999	33.599998	DLB	SHDL	CMN
Kinsevere Sulphide Program	STFDH_005	7.0999999	33.599998	DLB	SHDL	CMN
Kinsevere Sulphide Program	STFDH_005	7.0999999	33.599998	DLB	SHDL	CMN
Kinsevere Sulphide Program	STFDH_005	33.599998	35.099998	NR		
Kinsevere Sulphide Program	STFDH_005	35.099998	43.700001	SHC	DLC	CMN
Kinsevere Sulphide Program	STFDH_005	35.099998	43.700001	SHC	DLC	CMN
Kinsevere Sulphide Program	STFDH_005	43.700001	57.299999	SHDL		CMN
Kinsevere Sulphide Program	STFDH_005	43.700001	57.299999	SHDL		CMN
Kinsevere Sulphide Program	STFDH_005	43.700001	57.299999	SHDL		CMN
Kinsevere Sulphide Program	STFDH_005	57.299999	59.200001	SHC		CMN
Kinsevere Sulphide Program	STFDH_005	57.299999	59.200001	SHC		CMN
Kinsevere Sulphide Program	STFDH_005	59.200001	65.199997	SHDL		CMN
Kinsevere Sulphide Program	STFDH_005	59.200001	65.199997	SHDL		CMN
Kinsevere Sulphide Program	STFDH_005	59.200001	65.199997	SHDL		CMN
Kinsevere Sulphide Program	STFDH_005	65.199997	70.5	SHC		CMN
Kinsevere Sulphide Program	STFDH_005	65.199997	70.5	SHC		CMN
Kinsevere Sulphide Program	STFDH_005	65.199997	70.5	SHC		CMN
Kinsevere Sulphide Program	STFDH_005	70.5	88.5	SHDL	SHC	CMN
Kinsevere Sulphide Program	STFDH_005	70.5	88.5	SHDL	SHC	CMN
Kinsevere Sulphide Program	STFDH_005	70.5	88.5	SHDL	SHC	CMN
Kinsevere Sulphide Program	STFDH_005	88.5	91.5	FZ	SHDL	FZ
Kinsevere Sulphide Program	STFDH_005	91.5	94	BARG		GRAT
Kinsevere Sulphide Program	STFDH_005	94	97.5	NR		NR
Kinsevere Sulphide Program	STFDH_005	97.5	118	ARG		GRAT
Kinsevere Sulphide Program	STFDH_006	0	5	Dump	SHDL	SD
Kinsevere Sulphide Program	STFDH_006	0	5	Dump	SHDL	SD
Kinsevere Sulphide Program	STFDH_006	5	21.75	SHDL	DLH	SD
Kinsevere Sulphide Program	STFDH_006	5	21.75	SHDL	DLH	SD
Kinsevere Sulphide Program	STFDH_006	5	21.75	SHDL	DLH	SD
Kinsevere Sulphide Program	STFDH_006	21.75	42.599998	SHC	SHA	SD
Kinsevere Sulphide Program	STFDH_006	21.75	42.599998	SHC	SHA	SD
Kinsevere Sulphide Program	STFDH_006	21.75	42.599998	SHC	SHA	SD
Kinsevere Sulphide Program	STFDH_006	42.599998	44.599998	SLT		SD
Kinsevere Sulphide Program	STFDH_006	42.599998	44.599998	SLT		SD
Kinsevere Sulphide Program	STFDH_006	44.599998	46.5	DLL		RSF
Kinsevere Sulphide Program	STFDH_006	46.5	51.259998	DLB		DSTR

Kinsevere Sulphide Program	STFDH_006	46.5	51.259998	DLB		DSTR
Kinsevere Sulphide Program	STFDH_006	51.259998	55	ARG		GRAT
Kinsevere Sulphide Program	STFDH_006	51.259998	55	ARG		GRAT
Kinsevere Sulphide Program	STFDH_006	55	110.5	ARG		GRAT
Kinsevere Sulphide Program	STFDH_006	110.5	117.4	HBX		FZ
Kinsevere Sulphide Program	STFDH_006	110.5	117.4	HBX		FZ
Kinsevere Sulphide Program	STFDH_006	117.4	119.2	NR		
Kinsevere Sulphide Program	STFDH_006	119.2	124.5	SHC		SD
Kinsevere Sulphide Program	STFDH_006	124.5	168.7	SHDL	SHA	SD
Kinsevere Sulphide Program	STFDH_006	124.5	168.7	SHDL	SHA	SD
Kinsevere Sulphide Program	STFDH_006	124.5	168.7	SHDL	SHA	SD
Kinsevere Sulphide Program	STFDH_006	168.7	180.2	SHC		SD
Kinsevere Sulphide Program	STFDH_006	168.7	180.2	SHC		SD
Kinsevere Sulphide Program	STFDH_007	0	4.4000001	SHDL	DLH	SD
Kinsevere Sulphide Program	STFDH_007	4.4000001	9.3000002	SHC	SHA	SD
Kinsevere Sulphide Program	STFDH_007	4.4000001	9.3000002	SHC	SHA	SD
Kinsevere Sulphide Program	STFDH_007	4.4000001	9.3000002	SHC	SHA	SD
Kinsevere Sulphide Program	STFDH_007	8	12.5	SHDL	SHC	SD
Kinsevere Sulphide Program	STFDH_007	12.5	21	SHC		SD
Kinsevere Sulphide Program	STFDH_007	12.5	21	SHC		SD
Kinsevere Sulphide Program	STFDH_007	12.5	21	SHC		SD
Kinsevere Sulphide Program	STFDH_007	21	33	SHA	SLT	SD
Kinsevere Sulphide Program	STFDH_007	33	34	NR		FZ
Kinsevere Sulphide Program	STFDH_007	34	37.5	ARG		GRAT
Kinsevere Sulphide Program	STFDH_007	34	37.5	ARG		GRAT
Kinsevere Sulphide Program	STFDH_007	37.5	75.5	ARG		GRAT
Kinsevere Sulphide Program	STFDH_007	75.5	78	NR		
Kinsevere Sulphide Program	STFDH_007	78	84.5	RATB	FZ	FZ
Kinsevere Sulphide Program	STFDH_007	84.5	138	SHC	SHC	SD
Kinsevere Sulphide Program	STFDH_007	84.5	138	SHC	SHC	SD
Kinsevere Sulphide Program	STFDH_007	84.5	138	SHC	SHC	SD
Kinsevere Sulphide Program	STFDH_008	0	3	ARG		RAT
Kinsevere Sulphide Program	STFDH_008	3	6	NR		
Kinsevere Sulphide Program	STFDH_008	6	32	ARG		RAT
Kinsevere Sulphide Program	STFDH_008	32	44	RATB		RATB
Kinsevere Sulphide Program	STFDH_008	44	44.799999	RATB		FZ
Kinsevere Sulphide Program	STFDH_008	44.799999	49	SHA		SD
Kinsevere Sulphide Program	STFDH_008	44.799999	49	SHA		SD
Kinsevere Sulphide Program	STFDH_008	49	54	CARS		SD
Kinsevere Sulphide Program	STFDH_008	49	54	CARS		SD
Kinsevere Sulphide Program	STFDH_008	49	54	CARS		SD
Kinsevere Sulphide Program	STFDH_008	54	130	CARS	SHC	SD
Kinsevere Sulphide Program	STFDH_008	54	130	CARS	SHC	SD
Kinsevere Sulphide Program	STFDH_008	54	130	CARS	SHC	SD
Kinsevere Sulphide Program	STFDH_009	0	17.6	BARG		RATB
Kinsevere Sulphide Program	STFDH_009	17.6	49	RATB		RATB
Kinsevere Sulphide Program	STFDH_009	49	58	SHDL	SHA	RATB
Kinsevere Sulphide Program	STFDH_009	49	58	SHDL	SHA	RATB
Kinsevere Sulphide Program	STFDH_009	58	139.8	SHA	SHDL	SD
Kinsevere Sulphide Program	STFDH_009	58	139.8	SHA	SHDL	SD
Kinsevere Sulphide Program	STFDH_009	58	139.8	SHA	SHDL	SD
Kinsevere Sulphide Program	STFDH_009	139.8	141.60001	NR		
Kinsevere Sulphide Program	STFDH_009	144.60001	200	SHC	SHDL	SD
Kinsevere Sulphide Program	STFDH_009	144.60001	200	SHC	SHDL	SD
Kinsevere Sulphide Program	STFDH_009	144.60001	200	SHC	SHDL	SD
Kinsevere Sulphide Program	STFDH_010	0	10.8	SHDL		SD
Kinsevere Sulphide Program	STFDH_010	10.8	14.5	SHC		SD
Kinsevere Sulphide Program	STFDH_010	10.8	14.5	SHC		SD
Kinsevere Sulphide Program	STFDH_010	10.8	14.5	SHC		SD
Kinsevere Sulphide Program	STFDH_010	14.5	20	SHDL	DLH	SD
Kinsevere Sulphide Program	STFDH_010	14.5	20	SHDL	DLH	SD
Kinsevere Sulphide Program	STFDH_010	20	22	SLT	SHA	SD
Kinsevere Sulphide Program	STFDH_010	22	25	DLL		RSF

Kinsevere Sulphide Program	STFDH_010	25	26.6	DLB	DLH	DSTR
Kinsevere Sulphide Program	STFDH_010	26.6	32.700001	ARG		GRAT
Kinsevere Sulphide Program	STFDH_010	26.6	32.700001	ARG		GRAT
Kinsevere Sulphide Program	STFDH_010	32.700001	46.650002	ARG		GRAT
Kinsevere Sulphide Program	STFDH_010	46.650002	57.5	BARG	RATB	RATB
Kinsevere Sulphide Program	STFDH_010	57.5	83	ARG		GRAT
Kinsevere Sulphide Program	STFDH_010	57.5	83	ARG		GRAT
Kinsevere Sulphide Program	STFDH_010	83	102	ARG		GRAT
Kinsevere Sulphide Program	STFDH_011	0	49.5	SHA		SD
Kinsevere Sulphide Program	STFDH_011	49.5	53.330002	CARS	SHC	SD
Kinsevere Sulphide Program	STFDH_011	49.5	53.330002	CARS	SHC	SD
Kinsevere Sulphide Program	STFDH_011	49.5	53.330002	CARS	SHC	SD
Kinsevere Sulphide Program	STFDH_011	53.330002	96.099998	SHA	SLT	SD
Kinsevere Sulphide Program	STFDH_011	53.330002	96.099998	SHA	SLT	SD
Kinsevere Sulphide Program	STFDH_012	0	24.6	CARS		SD
Kinsevere Sulphide Program	STFDH_012	0	24.6	CARS		SD
Kinsevere Sulphide Program	STFDH_012	0	24.6	CARS		SD
Kinsevere Sulphide Program	STFDH_012	24.6	27.4	SLT	SHA	SD
Kinsevere Sulphide Program	STFDH_012	24.6	27.4	SLT	SHA	SD
Kinsevere Sulphide Program	STFDH_012	24.6	27.4	SLT	SHA	SD
Kinsevere Sulphide Program	STFDH_012	27.4	63.5	SHA		SD
Kinsevere Sulphide Program	STFDH_012	27.4	63.5	SHA		SD
Kinsevere Sulphide Program	STFDH_012	63.5	66.5	NR		
Kinsevere Sulphide Program	STFDH_012	66.5	76.5	SHA	SLT	SD
Kinsevere Sulphide Program	STFDH_012	66.5	76.5	SHA	SLT	SD
Kinsevere Sulphide Program	STFDH_012	66.5	76.5	SHA	SLT	SD
Kinsevere Sulphide Program	STFDH_012	76.5	90	CARS	SHC	SD
Kinsevere Sulphide Program	STFDH_012	76.5	90	CARS	SHC	SD
Kinsevere Sulphide Program	STFDH_012	90	111.5	CARS	SHC	SD
Kinsevere Sulphide Program	STFDH_012	90	111.5	CARS	SHC	SD
Kinsevere Sulphide Program	STFDH_012	90	111.5	CARS	SHC	SD
Kinsevere Sulphide Program	STFDH_012	111.5	114.5	NR		
Kinsevere Sulphide Program	STFDH_012	114.5	137	SHA	SHDL	SD
Kinsevere Sulphide Program	STFDH_012	114.5	137	SHA	SHDL	SD
Kinsevere Sulphide Program	STFDH_012	114.5	137	SHA	SHDL	SD
Kinsevere Sulphide Program	STFDH_012	137	148	SHC	SHA	SD
Kinsevere Sulphide Program	STFDH_012	148	151	NR		NR
Kinsevere Sulphide Program	STFDH_012	151	152.5	FZ	FIL	FZ
Kinsevere Sulphide Program	STFDH_012	152.5	153	SHC		SD
Kinsevere Sulphide Program	STFDH_012	153	157.8	NR		NR
Kinsevere Sulphide Program	STFDH_013	0	93	SHA	SHC	SD
Kinsevere Sulphide Program	STFDH_013	0	93	SHA	SHC	SD
Kinsevere Sulphide Program	STFDH_013	93	95	MX	SHDL	FZ
Kinsevere Sulphide Program	STFDH_013	93	95	MX	SHDL	FZ
Kinsevere Sulphide Program	STFDH_013	93	95	MX	SHDL	FZ
Kinsevere Sulphide Program	STFDH_013	95	100.6	SLT	SHDL	SD
Kinsevere Sulphide Program	STFDH_013	95	100.6	SLT	SHDL	SD
Kinsevere Sulphide Program	STFDH_013	100.6	111	SHC	SHDL	SD
Kinsevere Sulphide Program	STFDH_013	100.6	111	SHC	SHDL	SD
Kinsevere Sulphide Program	STFDH_013	111	121	SHC		SD
Kinsevere Sulphide Program	STFDH_013	111	121	SHC		SD
Kinsevere Sulphide Program	STFDH_013	121	130	SHC		SD
Kinsevere Sulphide Program	STFDH_013	121	130	SHC		SD
Kinsevere Sulphide Program	STFDH_013	130	139	SHC		SD
Kinsevere Sulphide Program	STFDH_013	130	139	SHC		SD
Kinsevere Sulphide Program	STFDH_013	139	142	NR		
Kinsevere Sulphide Program	STFDH_013	142	145	HBX		FZ
Kinsevere Sulphide Program	STFDH_013	142	145	HBX		FZ
Kinsevere Sulphide Program	STFDH_013	145	168.7	SHC		SD
Kinsevere Sulphide Program	STFDH_013	145	168.7	SHC		SD
Kinsevere Sulphide Program	STFDH_013	145	168.7	SHC		SD
Kinsevere Sulphide Program	STFDH_013	168.7	223	SHDL	SHA	SD
Kinsevere Sulphide Program	STFDH_013	168.7	223	SHDL	SHA	SD

Kinsevere Sulphide Program	STFDH_013	223	268.25	SHC		SD
Kinsevere Sulphide Program	STFDH_013	223	268.25	SHC		SD
Kinsevere Sulphide Program	STFDH_013	268.25	284	SHA	SHDL	SD
Kinsevere Sulphide Program	STFDH_013	284	301.60001	SHC		SD
Kinsevere Sulphide Program	STFDH_013	284	301.60001	SHC		SD
Kinsevere Sulphide Program	STFDH_014	0	1.85	SHDL	SHA	SD
Kinsevere Sulphide Program	STFDH_014	0	1.85	SHDL	SHA	SD
Kinsevere Sulphide Program	STFDH_014	1.85	12	SHC		SD
Kinsevere Sulphide Program	STFDH_014	1.85	12	SHC		SD
Kinsevere Sulphide Program	STFDH_014	1.85	12	SHC		SD
Kinsevere Sulphide Program	STFDH_014	12	15.95	SHC		SD
Kinsevere Sulphide Program	STFDH_014	12	15.95	SHC		SD
Kinsevere Sulphide Program	STFDH_014	12	15.95	SHC		SD
Kinsevere Sulphide Program	STFDH_014	15.95	17.200001	SLT	SHA	SD
Kinsevere Sulphide Program	STFDH_014	15.95	17.200001	SLT	SHA	SD
Kinsevere Sulphide Program	STFDH_014	17.200001	19.5	DLH	SHDL	RSF
Kinsevere Sulphide Program	STFDH_014	19.5	23.5	DLB	DLH	DSTR
Kinsevere Sulphide Program	STFDH_014	19.5	23.5	DLB	DLH	DSTR
Kinsevere Sulphide Program	STFDH_014	19.5	23.5	DLB	DLH	DSTR
Kinsevere Sulphide Program	STFDH_014	23.5	24.700001	NR		NR
Kinsevere Sulphide Program	STFDH_014	24.700001	25	DLB		DSTR
Kinsevere Sulphide Program	STFDH_014	24.700001	25	DLB		DSTR
Kinsevere Sulphide Program	STFDH_014	25	32	ARG		GRAT
Kinsevere Sulphide Program	STFDH_014	25	32	ARG		GRAT
Kinsevere Sulphide Program	STFDH_014	25	32	ARG		GRAT
Kinsevere Sulphide Program	STFDH_014	32	55	BARG	ARG	GRAT
Kinsevere Sulphide Program	STFDH_014	32	55	BARG	ARG	GRAT
Kinsevere Sulphide Program	STFDH_014	55	93.5	BARG		GRAT
Kinsevere Sulphide Program	STFDH_014	55	93.5	BARG		GRAT
Kinsevere Sulphide Program	STFDH_014	55	93.5	BARG		GRAT
Kinsevere Sulphide Program	STFDH_014	93.5	96.699997	SHC		SD
Kinsevere Sulphide Program	STFDH_014	93.5	96.699997	SHC		SD
Kinsevere Sulphide Program	STFDH_014	93.5	96.699997	SHC		SD
Kinsevere Sulphide Program	STFDH_014	96.699997	98.099998	NR		NR
Kinsevere Sulphide Program	STFDH_014	98.099998	99.699997	SHC		SD
Kinsevere Sulphide Program	STFDH_014	98.099998	99.699997	SHC		SD
Kinsevere Sulphide Program	STFDH_014	99.699997	101.7	BARG		FZ
Kinsevere Sulphide Program	STFDH_014	99.699997	101.7	BARG		FZ
Kinsevere Sulphide Program	STFDH_014	99.699997	101.7	BARG		FZ
Kinsevere Sulphide Program	STFDH_014	101.7	111.7	SHC		SD
Kinsevere Sulphide Program	STFDH_014	101.7	111.7	SHC		SD
Kinsevere Sulphide Program	STFDH_014	101.7	111.7	SHC		SD
Kinsevere Sulphide Program	STFDH_014	111.7	181.89999	SHC	CARS	SD
Kinsevere Sulphide Program	STFDH_014	111.7	181.89999	SHC	CARS	SD
Kinsevere Sulphide Program	STFDH_014	111.7	181.89999	SHC	CARS	SD
Kinsevere Sulphide Program	STFDH_014	181.89999	205	SHDL	SHC	SD
Kinsevere Sulphide Program	STFDH_014	181.89999	205	SHDL	SHC	SD
Kinsevere Sulphide Program	STFDH_014	205	249.7	SHC	SHDL	SD
Kinsevere Sulphide Program	STFDH_014	205	249.7	SHC	SHDL	SD
Kinsevere Sulphide Program	STFDH_015	0	10.8	SHA		SD
Kinsevere Sulphide Program	STFDH_015	10.8	13	DLB	DLH	RSF
Kinsevere Sulphide Program	STFDH_015	10.8	13	DLB	DLH	RSF
Kinsevere Sulphide Program	STFDH_015	10.8	13	DLB	DLH	RSF
Kinsevere Sulphide Program	STFDH_015	13	19.299999	DLB	DLH	DSTR
Kinsevere Sulphide Program	STFDH_015	13	19.299999	DLB	DLH	DSTR
Kinsevere Sulphide Program	STFDH_015	13	19.299999	DLB	DLH	DSTR
Kinsevere Sulphide Program	STFDH_015	19.299999	23	ARG		GRAT
Kinsevere Sulphide Program	STFDH_015	19.299999	23	ARG		GRAT
Kinsevere Sulphide Program	STFDH_015	23	33.5	ARG		GRAT
Kinsevere Sulphide Program	STFDH_015	23	33.5	ARG		GRAT
Kinsevere Sulphide Program	STFDH_016	0	11.07	MX	SHC	SD
Kinsevere Sulphide Program	STFDH_016	11.07	12	HBX	MX	FZ
Kinsevere Sulphide Program	STFDH_016	11.07	12	HBX	MX	FZ

Kinsevere Sulphide Program	STFDH_016	12	13	SHA		SD
Kinsevere Sulphide Program	STFDH_016	12	13	SHA		SD
Kinsevere Sulphide Program	STFDH_016	12	13	SHA		SD
Kinsevere Sulphide Program	STFDH_016	13	24	SHA	SLT	SD
Kinsevere Sulphide Program	STFDH_016	13	24	SHA	SLT	SD
Kinsevere Sulphide Program	STFDH_016	13	24	SHA	SLT	SD
Kinsevere Sulphide Program	STFDH_016	24	33.200001	MX	SHA	SD
Kinsevere Sulphide Program	STFDH_016	24	33.200001	MX	SHA	SD
Kinsevere Sulphide Program	STFDH_016	24	33.200001	MX	SHA	SD
Kinsevere Sulphide Program	STFDH_016	33.200001	43	MX	SHA	FZ
Kinsevere Sulphide Program	STFDH_016	33.200001	43	MX	SHA	FZ
Kinsevere Sulphide Program	STFDH_016	33.200001	43	MX	SHA	FZ
Kinsevere Sulphide Program	STFDH_016	43	89.900002	SHA	SLT	SD
Kinsevere Sulphide Program	STFDH_016	43	89.900002	SHA	SLT	SD
Kinsevere Sulphide Program	STFDH_016	89.900002	110	CARS	SHA	SD
Kinsevere Sulphide Program	STFDH_016	89.900002	110	CARS	SHA	SD
Kinsevere Sulphide Program	STFDH_016	110	137.25	SHA	SHDL	SD
Kinsevere Sulphide Program	STFDH_016	110	137.25	SHA	SHDL	SD
Kinsevere Sulphide Program	STFDH_016	137.25	141	SHC		SD
Kinsevere Sulphide Program	STFDH_016	137.25	141	SHC		SD
Kinsevere Sulphide Program	STFDH_016	141	142.2	SHA	MX	SD
Kinsevere Sulphide Program	STFDH_016	141	142.2	SHA	MX	SD
Kinsevere Sulphide Program	STFDH_016	142.2	144	NR		NR
Kinsevere Sulphide Program	STFDH_016	144	145	SHA		SD
Kinsevere Sulphide Program	STFDH_016	144	145	SHA		SD
Kinsevere Sulphide Program	STFDH_016	145	147	NR		NR
Kinsevere Sulphide Program	STFDH_016	147	150	SHC		SD
Kinsevere Sulphide Program	STFDH_016	150	153	FZ		FZ
Kinsevere Sulphide Program	STFDH_016	153	156.7	DLB		CMN
Kinsevere Sulphide Program	STFDH_016	156.7	159	SHC		CMN
Kinsevere Sulphide Program	STFDH_016	156.7	159	SHC		CMN
Kinsevere Sulphide Program	STFDH_016	159	200.92999	MEL	HBX	FZ
Kinsevere Sulphide Program	STFDH_016	159	200.92999	MEL	HBX	FZ
Kinsevere Sulphide Program	STFDH_016	200.92999	202.36	SHC		CMN
Kinsevere Sulphide Program	STFDH_016	202.36	209.06	RATB		RATB
Kinsevere Sulphide Program	STFDH_016	209.06	211	DLB		CMN
Kinsevere Sulphide Program	STFDH_016	211	214	DLB		CMN
Kinsevere Sulphide Program	STFDH_016	214	228	SHA	SHDL	CMN
Kinsevere Sulphide Program	STFDH_017	0	1.8	SOL		OVB
Kinsevere Sulphide Program	STFDH_017	1.8	18	DLL	SPR	CMN
Kinsevere Sulphide Program	STFDH_017	18	30.4	RATB		RATB
Kinsevere Sulphide Program	STFDH_017	30.4	40	DLB	SHDL	CMN
Kinsevere Sulphide Program	STFDH_017	30.4	40	DLB	SHDL	CMN
Kinsevere Sulphide Program	STFDH_017	40	123	DLB		CMN
Kinsevere Sulphide Program	STFDH_017	123	135.5	DLB		CMN
Kinsevere Sulphide Program	STFDH_017	123	135.5	DLB		CMN
Kinsevere Sulphide Program	STFDH_017	123	135.5	DLB		CMN
Kinsevere Sulphide Program	STFDH_017	135.5	210	DLB		CMN
Kinsevere Sulphide Program	STFDH_017	135.5	210	DLB		CMN
Kinsevere Sulphide Program	STFDH_018	0	7.8099999	SOL		OVB
Kinsevere Sulphide Program	STFDH_018	7.8099999	29	DLB	SPR	CMN
Kinsevere Sulphide Program	STFDH_018	29	39.400002	HBX	DBX	FZ
Kinsevere Sulphide Program	STFDH_018	29	39.400002	HBX	DBX	FZ
Kinsevere Sulphide Program	STFDH_018	39.400002	42.400002	MX	ARG	GRAT
Kinsevere Sulphide Program	STFDH_018	42.400002	45.400002	NR		
Kinsevere Sulphide Program	STFDH_018	45.400002	48.400002	ARG		RAT
Kinsevere Sulphide Program	STFDH_018	48.400002	49.900002	NR		NR
Kinsevere Sulphide Program	STFDH_018	49.900002	51.400002	ARG		RAT
Kinsevere Sulphide Program	STFDH_018	51.400002	54.400002	NR		
Kinsevere Sulphide Program	STFDH_018	54.400002	55.900002	CF		
Kinsevere Sulphide Program	STFDH_018	55.900002	58.900002	NR		
Kinsevere Sulphide Program	STFDH_018	58.900002	96.400002	ARG		RAT
Kinsevere Sulphide Program	STFDH_019	0	7.5	SOL		OVB

Kinsevere Sulphide Program	STFDH_019	7.5	40.099998	SHA	SHDL	SD
Kinsevere Sulphide Program	STFDH_019	7.5	40.099998	SHA	SHDL	SD
Kinsevere Sulphide Program	STFDH_019	40.099998	44.200001	DLM	SHDL	SD
Kinsevere Sulphide Program	STFDH_019	40.099998	44.200001	DLM	SHDL	SD
Kinsevere Sulphide Program	STFDH_019	44.200001	79.599998	SHC		SD
Kinsevere Sulphide Program	STFDH_019	44.200001	79.599998	SHC		SD
Kinsevere Sulphide Program	STFDH_019	44.200001	79.599998	SHC		SD
Kinsevere Sulphide Program	STFDH_019	79.599998	106.6	SHDL	SHC	SD
Kinsevere Sulphide Program	STFDH_019	79.599998	106.6	SHDL	SHC	SD
Kinsevere Sulphide Program	STFDH_019	79.599998	106.6	SHDL	SHC	SD
Kinsevere Sulphide Program	STFDH_019	106.6	138	CARS	SHC	SD
Kinsevere Sulphide Program	STFDH_019	106.6	138	CARS	SHC	SD
Kinsevere Sulphide Program	STFDH_019	138	214	SHDL		SD
Kinsevere Sulphide Program	STFDH_019	138	214	SHDL		SD
Kinsevere Sulphide Program	STFDH_019	138	214	SHDL		SD
Kinsevere Sulphide Program	STFDH_019	214	238	SHC		SD
Kinsevere Sulphide Program	STFDH_019	214	238	SHC		SD
Kinsevere Sulphide Program	STFDH_019	214	238	SHC		SD
Kinsevere Sulphide Program	STFDH_020	0	26.200001	RATB		RATB
Kinsevere Sulphide Program	STFDH_020	26.200001	53	DLB	DLL	CMN
Kinsevere Sulphide Program	STFDH_020	53	64.300003	SHDL	SLT	SD
Kinsevere Sulphide Program	STFDH_020	53	64.300003	SHDL	SLT	SD
Kinsevere Sulphide Program	STFDH_020	53	64.300003	SHDL	SLT	SD
Kinsevere Sulphide Program	STFDH_020	64.300003	109.15	SHA	SHDL	SD
Kinsevere Sulphide Program	STFDH_020	64.300003	109.15	SHA	SHDL	SD
Kinsevere Sulphide Program	STFDH_020	64.300003	109.15	SHA	SHDL	SD
Kinsevere Sulphide Program	STFDH_020	109.15	149	SHDL	SHA	SD
Kinsevere Sulphide Program	STFDH_020	109.15	149	SHDL	SHA	SD
Kinsevere Sulphide Program	STFDH_021	0	25.799999	ARG		GRAT
Kinsevere Sulphide Program	STFDH_021	0	25.799999	ARG		GRAT
Kinsevere Sulphide Program	STFDH_021	0	25.799999	ARG		GRAT
Kinsevere Sulphide Program	STFDH_021	25.799999	29	MX	DLB	DSTR
Kinsevere Sulphide Program	STFDH_021	25.799999	29	MX	DLB	DSTR
Kinsevere Sulphide Program	STFDH_021	29	32	DLL	DLH	RSF
Kinsevere Sulphide Program	STFDH_021	29	32	DLL	DLH	RSF
Kinsevere Sulphide Program	STFDH_021	32	39	SHDL	SLT	SD
Kinsevere Sulphide Program	STFDH_021	32	39	SHDL	SLT	SD
Kinsevere Sulphide Program	STFDH_021	39	80	SLT	SHDL	SD
Kinsevere Sulphide Program	STFDH_021	39	80	SLT	SHDL	SD
Kinsevere Sulphide Program	STFDH_021	80	83	NR		
Kinsevere Sulphide Program	STFDH_021	83	87.400002	SHA		SD
Kinsevere Sulphide Program	STFDH_021	83	87.400002	SHA		SD
Kinsevere Sulphide Program	STFDH_021	87.400002	94.199997	SHC		SD
Kinsevere Sulphide Program	STFDH_021	87.400002	94.199997	SHC		SD
Kinsevere Sulphide Program	STFDH_021	87.400002	94.199997	SHC		SD
Kinsevere Sulphide Program	STFDH_021	94.199997	106	SHC		SD
Kinsevere Sulphide Program	STFDH_021	106	111.7	SHC		SD
Kinsevere Sulphide Program	STFDH_021	106	111.7	SHC		SD
Kinsevere Sulphide Program	STFDH_021	111.7	118.5	SHDL		SD
Kinsevere Sulphide Program	STFDH_021	111.7	118.5	SHDL		SD
Kinsevere Sulphide Program	STFDH_021	118.5	139.3	SHA		SD
Kinsevere Sulphide Program	STFDH_021	139.3	147.5	ARG		SD
Kinsevere Sulphide Program	STFDH_021	139.3	147.5	ARG		SD
Kinsevere Sulphide Program	STFDH_022	0	6.5	LAT		OVB
Kinsevere Sulphide Program	STFDH_022	6.5	28	RATB		RATB
Kinsevere Sulphide Program	STFDH_022	28	39	SHDL	DLH	CMN
Kinsevere Sulphide Program	STFDH_022	39	40.5	NR		
Kinsevere Sulphide Program	STFDH_022	40.5	75	DLB	DLH	CMN
Kinsevere Sulphide Program	STFDH_023	0	9.5	LAT		OVB
Kinsevere Sulphide Program	STFDH_023	9.5	24	RATB		RATB
Kinsevere Sulphide Program	STFDH_023	24	28.700001	HBX		FZ
Kinsevere Sulphide Program	STFDH_023	28.700001	69	SHDL	DLH	CMN
Kinsevere Sulphide Program	STFDH_023	69	84	DLB		CMN

Kinsevere Sulphide Program	STFDH_023	84	93	DLB		CMN
Kinsevere Sulphide Program	STFDH_023	84	93	DLB		CMN
Kinsevere Sulphide Program	STFDH_023	93	105	NR		
Kinsevere Sulphide Program	STFDH_023	105	108	DLB		CMN
Kinsevere Sulphide Program	STFDH_023	108	109.5	NR		
Kinsevere Sulphide Program	STFDH_023	109.5	121.5	DLB		CMN
Kinsevere Sulphide Program	STFDH_023	121.5	124.5	NR		
Kinsevere Sulphide Program	STFDH_023	124.5	179.5	DLB		CMN
Kinsevere Sulphide Program	STFDH_024	0	15	ARG		GRAT
Kinsevere Sulphide Program	STFDH_024	0	15	ARG		GRAT
Kinsevere Sulphide Program	STFDH_024	15	19.469999	DLB		DSTR
Kinsevere Sulphide Program	STFDH_024	15	19.469999	DLB		DSTR
Kinsevere Sulphide Program	STFDH_024	19.469999	21	DLH	SHDL	RSF
Kinsevere Sulphide Program	STFDH_024	21	23	SLT	SHDL	SD
Kinsevere Sulphide Program	STFDH_024	23	34.599998	RATB		RATB
Kinsevere Sulphide Program	STFDH_024	34.599998	36	DLB		CMN
Kinsevere Sulphide Program	STFDH_024	36	45	DLB		CMN
Kinsevere Sulphide Program	STFDH_024	36	45	DLB		CMN
Kinsevere Sulphide Program	STFDH_024	45	51	NR		
Kinsevere Sulphide Program	STFDH_024	51	57	SHDL		CMN
Kinsevere Sulphide Program	STFDH_024	57	66	NR		
Kinsevere Sulphide Program	STFDH_024	66	68.699997	DLM		CMN
Kinsevere Sulphide Program	STFDH_024	68.699997	78.5	DLB		CMN
Kinsevere Sulphide Program	STFDH_024	78.5	81.5	NR		
Kinsevere Sulphide Program	STFDH_024	81.5	99	DLB		CMN
Kinsevere Sulphide Program	STFDH_024	81.5	99	DLB		CMN
Kinsevere Sulphide Program	STFDH_024	99	173.5	DLB	DLC	CMN
Kinsevere Sulphide Program	STFDH_024	173.5	176.5	SHC		CMN
Kinsevere Sulphide Program	STFDH_024	176.5	179.8	DBX		CMN
Kinsevere Sulphide Program	STFDH_024	179.8	189	DLC	SHC	SD
Kinsevere Sulphide Program	STFDH_024	179.8	189	DLC	SHC	SD
Kinsevere Sulphide Program	STFDH_024	189	210	DLH	SHC	SD
Kinsevere Sulphide Program	STFDH_024	189	210	DLH	SHC	SD
Kinsevere Sulphide Program	STFDH_025	0	45.900002	ARG		RAT
Kinsevere Sulphide Program	STFDH_025	45.900002	51.5	ARG		RATB
Kinsevere Sulphide Program	STFDH_025	51.5	56.5	DLB	DLH	DSTR
Kinsevere Sulphide Program	STFDH_025	56.5	66.5	DLL		RSF
Kinsevere Sulphide Program	STFDH_025	66.5	68.519997	NR		
Kinsevere Sulphide Program	STFDH_025	68.519997	69.5	SHDL		SD
Kinsevere Sulphide Program	STFDH_025	69.5	70	NR		
Kinsevere Sulphide Program	STFDH_025	70	75.5	SHDL		SD
Kinsevere Sulphide Program	STFDH_025	75.5	77	NR		
Kinsevere Sulphide Program	STFDH_025	77	87.5	SHDL		SD
Kinsevere Sulphide Program	STFDH_025	87.5	88.5	NR		
Kinsevere Sulphide Program	STFDH_025	88.5	92.900002	SHDL		SD
Kinsevere Sulphide Program	STFDH_025	92.900002	93.5	NR		
Kinsevere Sulphide Program	STFDH_025	93.5	99.5	SHC		SD
Kinsevere Sulphide Program	STFDH_025	99.5	111.4	SHDL		SD
Kinsevere Sulphide Program	STFDH_025	111.4	135.60001	SHC		SD
Kinsevere Sulphide Program	STFDH_025	111.4	135.60001	SHC		SD
Kinsevere Sulphide Program	STFDH_025	111.4	135.60001	SHC		SD
Kinsevere Sulphide Program	STFDH_025	135.60001	148.3	ARG		GRAT
Kinsevere Sulphide Program	STFDH_025	148.3	151.5	SHC		SD
Kinsevere Sulphide Program	STFDH_025	151.5	152.5	NR		
Kinsevere Sulphide Program	STFDH_025	152.5	168.5	SHC	DLC	SD
Kinsevere Sulphide Program	STFDH_025	152.5	168.5	SHC	DLC	SD
Kinsevere Sulphide Program	STFDH_025	168.5	169.5	NR		
Kinsevere Sulphide Program	STFDH_025	169.5	171.5	SHC		SD
Kinsevere Sulphide Program	STFDH_026	0	35.5	ARG		GRAT
Kinsevere Sulphide Program	STFDH_026	35.5	48.84	HBX		RATB
Kinsevere Sulphide Program	STFDH_026	48.84	56.400002	SHC		SD
Kinsevere Sulphide Program	STFDH_026	48.84	56.400002	SHC		SD
Kinsevere Sulphide Program	STFDH_026	48.84	56.400002	SHC		SD

Kinsevere Sulphide Program	STFDH_026	56.400002	71.800003	SHA		SD
Kinsevere Sulphide Program	STFDH_026	56.400002	71.800003	SHA		SD
Kinsevere Sulphide Program	STFDH_026	71.800003	75	SHC		SD
Kinsevere Sulphide Program	STFDH_026	71.800003	75	SHC		SD
Kinsevere Sulphide Program	STFDH_026	71.800003	75	SHC		SD
Kinsevere Sulphide Program	STFDH_026	75	168	SHC	SHDL	SD
Kinsevere Sulphide Program	STFDH_026	75	168	SHC	SHDL	SD
Kinsevere Sulphide Program	STFDH_027	0	0.80000001	Dump		Dump
Kinsevere Sulphide Program	STFDH_027	0.80000001	6.8000002	SOL		OVB
Kinsevere Sulphide Program	STFDH_027	6.8000002	60	ARG		GRAT
Kinsevere Sulphide Program	STFDH_027	60	74	ARG		GRAT
Kinsevere Sulphide Program	STFDH_027	60	74	ARG		GRAT
Kinsevere Sulphide Program	STFDH_027	74	85.699997	DLB		DSTR
Kinsevere Sulphide Program	STFDH_027	85.699997	91	DLL	DLS	RSF
Kinsevere Sulphide Program	STFDH_027	91	93.900002	SLT		SD
Kinsevere Sulphide Program	STFDH_027	91	93.900002	SLT		SD
Kinsevere Sulphide Program	STFDH_027	93.900002	102	CARS		SD
Kinsevere Sulphide Program	STFDH_027	93.900002	102	CARS		SD
Kinsevere Sulphide Program	STFDH_027	93.900002	102	CARS		SD
Kinsevere Sulphide Program	STFDH_027	102	141	SHC	DLC	SD
Kinsevere Sulphide Program	STFDH_027	102	141	SHC	DLC	SD
Kinsevere Sulphide Program	STFDH_027	141	260	DLC	SHDL	SD
Kinsevere Sulphide Program	STFDH_027	260	292	SHDL	SHC	SD
Kinsevere Sulphide Program	STFDH_027	292	328	DLB	DLC	SD
Kinsevere Sulphide Program	STFDH_027	328	356	DLB	SHC	SD
Kinsevere Sulphide Program	STFDH_027	328	356	DLB	SHC	SD
Kinsevere Sulphide Program	STFDH_027	356	391.42001	DLB	DLC	CMN
Kinsevere Sulphide Program	STFDH_027	356	391.42001	DLB	DLC	CMN
Kinsevere Sulphide Program	STFDH_027	391.42001	393.29999	HBX	MEL	FZ
Kinsevere Sulphide Program	STFDH_027	391.42001	393.29999	HBX	MEL	FZ
Kinsevere Sulphide Program	STFDH_027	393.29999	394.16	DLB		CMN
Kinsevere Sulphide Program	STFDH_027	394.16	398.5	HBX	BARG	FZ
Kinsevere Sulphide Program	STFDH_027	398.5	408	DLB	DLC	CMN
Kinsevere Sulphide Program	STFDH_027	398.5	408	DLB	DLC	CMN
Kinsevere Sulphide Program	STFDH_027	408	410.14001	HBX		FZ
Kinsevere Sulphide Program	STFDH_027	410.14001	417.70001	DLB		CMN
Kinsevere Sulphide Program	STFDH_027	417.70001	419.10999	SHC		CMN
Kinsevere Sulphide Program	STFDH_027	419.10999	431.39999	DLB		CMN
Kinsevere Sulphide Program	STFDH_028	0	16	SHA		SD
Kinsevere Sulphide Program	STFDH_028	16	25.18	SHC		SD
Kinsevere Sulphide Program	STFDH_028	16	25.18	SHC		SD
Kinsevere Sulphide Program	STFDH_028	25.18	30.4	SHA		SD
Kinsevere Sulphide Program	STFDH_028	25.18	30.4	SHA		SD
Kinsevere Sulphide Program	STFDH_028	30.4	34.099998	SHC		SD
Kinsevere Sulphide Program	STFDH_028	30.4	34.099998	SHC		SD
Kinsevere Sulphide Program	STFDH_028	30.4	34.099998	SHC		SD
Kinsevere Sulphide Program	STFDH_028	34.099998	40.900002	SHA		SD
Kinsevere Sulphide Program	STFDH_028	34.099998	40.900002	SHA		SD
Kinsevere Sulphide Program	STFDH_028	34.099998	40.900002	SHA		SD
Kinsevere Sulphide Program	STFDH_028	40.900002	43	SHC		SD
Kinsevere Sulphide Program	STFDH_028	40.900002	43	SHC		SD
Kinsevere Sulphide Program	STFDH_028	43	76.400002	SHC		SD
Kinsevere Sulphide Program	STFDH_028	43	76.400002	SHC		SD
Kinsevere Sulphide Program	STFDH_028	43	76.400002	SHC		SD
Kinsevere Sulphide Program	STFDH_028	76.400002	90	SHA		SD
Kinsevere Sulphide Program	STFDH_028	76.400002	90	SHA		SD
Kinsevere Sulphide Program	STFDH_028	76.400002	90	SHA		SD
Kinsevere Sulphide Program	STFDH_029	0	35.900002	ARG		GRAT
Kinsevere Sulphide Program	STFDH_029	0	35.900002	ARG		GRAT
Kinsevere Sulphide Program	STFDH_029	35.900002	37.400002	MX		FZ
Kinsevere Sulphide Program	STFDH_029	37.400002	40	MX	BARG	FIL
Kinsevere Sulphide Program	STFDH_029	40	47.799999	ARG		GRAT
Kinsevere Sulphide Program	STFDH_029	40	47.799999	ARG		GRAT

Kinsevere Sulphide Program	STFDH_029	40	47.799999	ARG		GRAT
Kinsevere Sulphide Program	STFDH_029	47.799999	49.5	BARG		FZ
Kinsevere Sulphide Program	STFDH_029	49.5	52	MX		FZ
Kinsevere Sulphide Program	STFDH_029	52	57	DLB		DSTR
Kinsevere Sulphide Program	STFDH_029	57	61	DLH	DLB	RSF
Kinsevere Sulphide Program	STFDH_029	61	109.6	SLT	SHA	SD
Kinsevere Sulphide Program	STFDH_029	109.6	127	SHC		SD
Kinsevere Sulphide Program	STFDH_029	109.6	127	SHC		SD
Kinsevere Sulphide Program	STFDH_029	109.6	127	SHC		SD
Kinsevere Sulphide Program	STFDH_029	127	164	SHC	CARS	SD
Kinsevere Sulphide Program	STFDH_029	127	164	SHC	CARS	SD
Kinsevere Sulphide Program	STFDH_029	127	164	SHC	CARS	SD
Kinsevere Sulphide Program	STFDH_029	164	178.5	SHDL		SD
Kinsevere Sulphide Program	STFDH_029	164	178.5	SHDL		SD
Kinsevere Sulphide Program	STFDH_029	164	178.5	SHDL		SD
Kinsevere Sulphide Program	STFDH_029	178.5	187.3	SHC	SHA	SD
Kinsevere Sulphide Program	STFDH_029	178.5	187.3	SHC	SHA	SD
Kinsevere Sulphide Program	STFDH_029	187.3	189.5	SHA		SD
Kinsevere Sulphide Program	STFDH_029	187.3	189.5	SHA		SD
Kinsevere Sulphide Program	STFDH_029	189.5	190.5	ARG		GRAT
Kinsevere Sulphide Program	STFDH_029	189.5	190.5	ARG		GRAT
Kinsevere Sulphide Program	STFDH_029	190.5	191.5	NR		NR
Kinsevere Sulphide Program	STFDH_029	191.5	193	ARG		GRAT
Kinsevere Sulphide Program	STFDH_030	0	9	SOL		OVB
Kinsevere Sulphide Program	STFDH_030	9	32	ARG		RAT
Kinsevere Sulphide Program	STFDH_030	32	48	ARG		RAT
Kinsevere Sulphide Program	STFDH_030	48	97	ARG	BARG	RAT
Kinsevere Sulphide Program	STFDH_030	97	98	ARG	RATB	GRAT
Kinsevere Sulphide Program	STFDH_030	97	98	ARG	RATB	GRAT
Kinsevere Sulphide Program	STFDH_030	97	98	ARG	RATB	GRAT
Kinsevere Sulphide Program	STFDH_030	103.82	129	DLB		CMN
Kinsevere Sulphide Program	STFDH_030	103.82	129	DLB		CMN
Kinsevere Sulphide Program	STFDH_030	103.82	129	DLB		CMN
Kinsevere Sulphide Program	STFDH_030	129	132.2	FZ	DLB	CMN
Kinsevere Sulphide Program	STFDH_030	129	132.2	FZ	DLB	CMN
Kinsevere Sulphide Program	STFDH_030	129	132.2	FZ	DLB	CMN
Kinsevere Sulphide Program	STFDH_030	132.2	151.60001	DLB		CMN
Kinsevere Sulphide Program	STFDH_030	132.2	151.60001	DLB		CMN
Kinsevere Sulphide Program	STFDH_030	132.2	151.60001	DLB		CMN
Kinsevere Sulphide Program	STFDH_030	151.60001	159	ARG		RATB
Kinsevere Sulphide Program	STFDH_031	0	0.60000002	SOL	Dump	OVB
Kinsevere Sulphide Program	STFDH_031	0.60000002	72.400002	SHA		SD
Kinsevere Sulphide Program	STFDH_031	72.400002	84	SHA	SLT	SD
Kinsevere Sulphide Program	STFDH_031	72.400002	84	SHA	SLT	SD
Kinsevere Sulphide Program	STFDH_031	84	89.150002	SHC	CARS	SD
Kinsevere Sulphide Program	STFDH_031	84	89.150002	SHC	CARS	SD
Kinsevere Sulphide Program	STFDH_031	84	89.150002	SHC	CARS	SD
Kinsevere Sulphide Program	STFDH_031	89.150002	92	SHA		SD
Kinsevere Sulphide Program	STFDH_031	89.150002	92	SHA		SD
Kinsevere Sulphide Program	STFDH_031	92	155	ARG		RATB

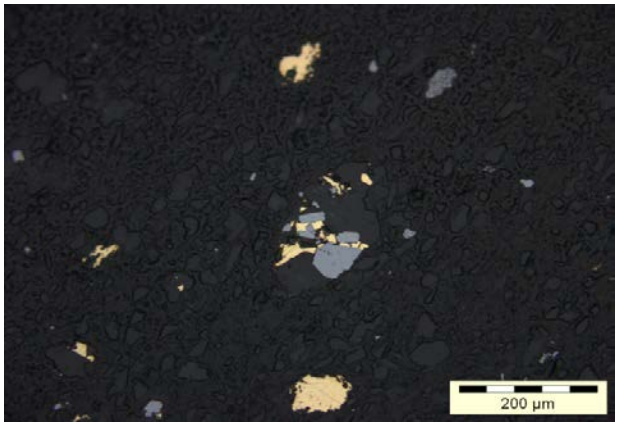
Appendix D – Core logs for Kinsevere

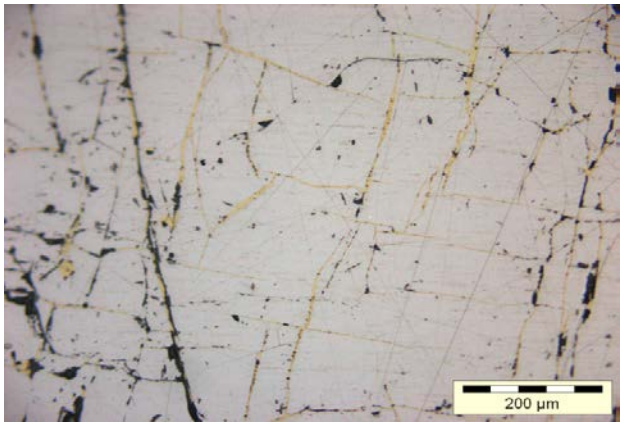
Drill Hole#	Formation	Mineralisation	Controlling feature
STCDH 009	G_RAT	Azurite	Bedding ∟Vein
STCDH 024	R_RAT	Pyrite, chalcopyrite, carrolite	Bedding ≡ Vein
STCDH 064	MV	Pyrite and Chalcopyrite	Boudanage
STCHD 071	DSTRAT	Pyrite	Disseminated
STFDH 001	RSF	Bornite, Chalcopyrite	Fault
STFDH 027	RSC	Bornite, Chalcopyrite and Carrc	Fold
TCDH 030	SD	Carrollite	Styololite
TCDH 048	BOMS	Chalcopyrite	∟ and ≡ veins
TCDH 050	CMN	Chalcopyrite and Carrollite	Hydraulic fractionation
TCRD 010	RAT Brec	Chrysocolla	∟/ ≡ veins and disseminated
		Malachite	Tectonic breccia
		None	N/A

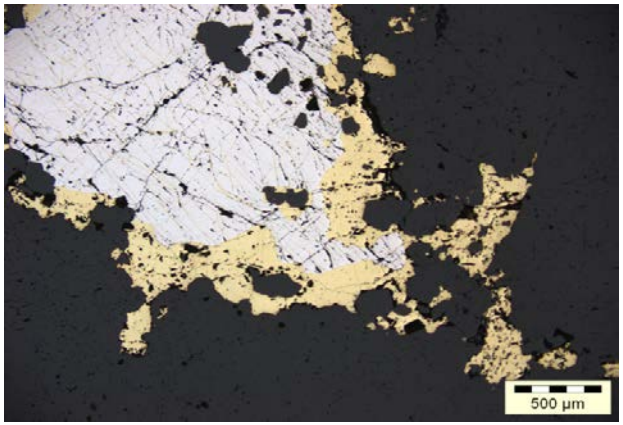
Appendix E – Petrographic and mineralogical descriptions for Kinsevere and Ruashi

Sample	Depth	Lithology	Mineralisation	Comments
STCDH-009	100	SD	Chalcopyrite, chalcocite and carrollite	Carrollite and chalcopyrite is represents the earlier sulphide phase as well as the most abundant ore mineral present. The later chalcocite is euhedral, overprinting the earlier generation of sulphides. There is a late, second phase of chalcopyrite minealisation seen rimming the carrollite and chalcocite

Paragenetic sequence: carrollite + chalcopyrite → chalcocite →chalcopyrite

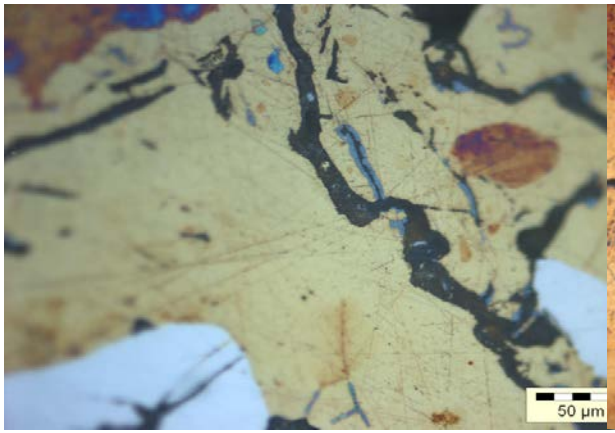


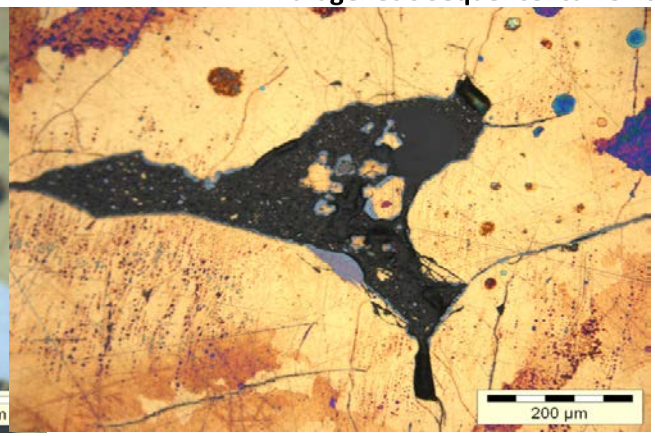




STCDH-009	127	SD	Carrollite, chalcopyrite, chalcocite,and bornite	Mineralisation is predominantly composed of carrollite and chalcopyrite, with alteration of the primary copper and cobalt sulphides into chalcocite and bornite. Chalcopyrite is found as a syn -post carrollite mineralisation.

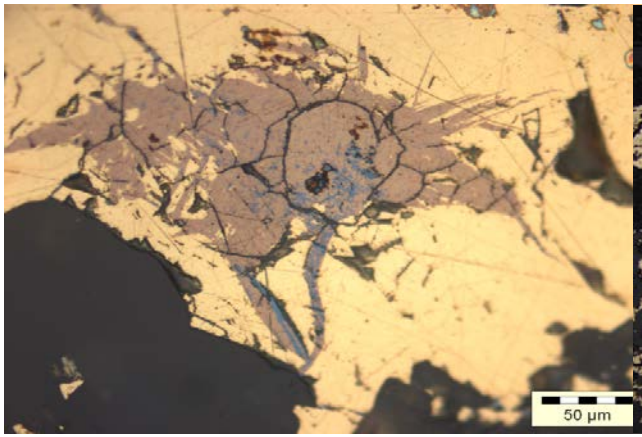
Paragenetic Sequence: carrollite → chalcopyrite → chalcocite → bornite

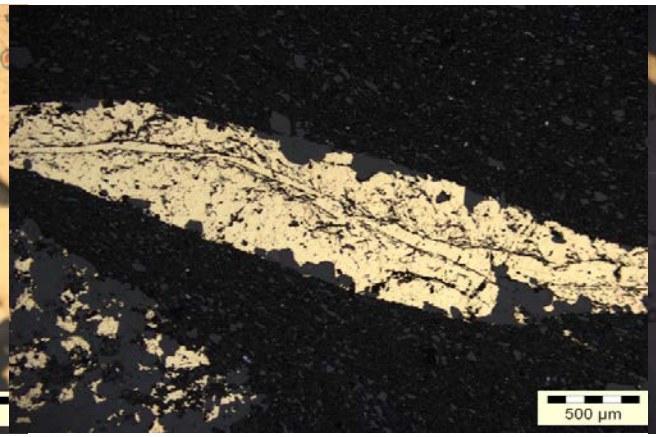


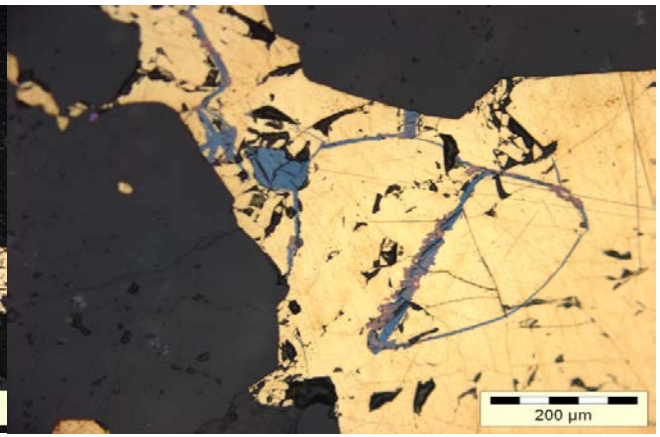


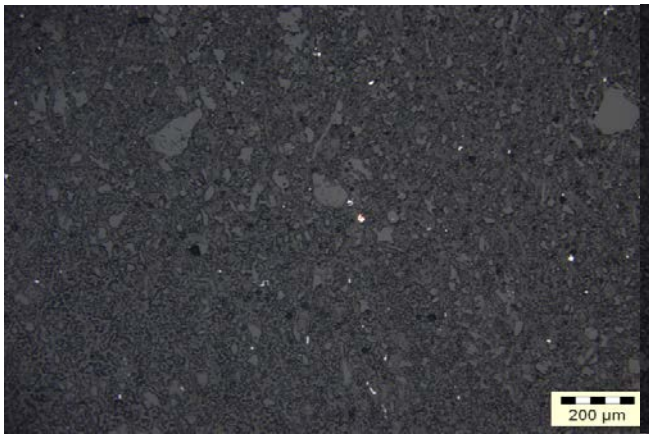
STCDH-009	138.5	SD	Carrollite, chalcopyrite, chalcocite, covellite and bornite	The blach dolomitic shale hosts primary carrollite and chalcopyrite mineralisation in conjunction with bornite and chalcocite copper sulphides which are the result of alteration. Negligable amounts of digenite are present with the bornite. The sulphides are also seen in a disseminated style, consisting of chalcopyrite and chalcocite. At least two phases of chalcopyrite mineralisation are highlighted by remineralised veins. Veins that are orientated perpendicularly to the bedding planes are show greater diversity in mineralisation which has a massive texture. There are disseminated occurences of mi8neralisation within the bedding planes which are presdominantly carrollite, chalcopyrite and chalcocite. The disseminated sulphides are cross-cut by the veins

Paragenetic sequence: carrollite → chalcopyrite → chalcocite →bornite →covellite



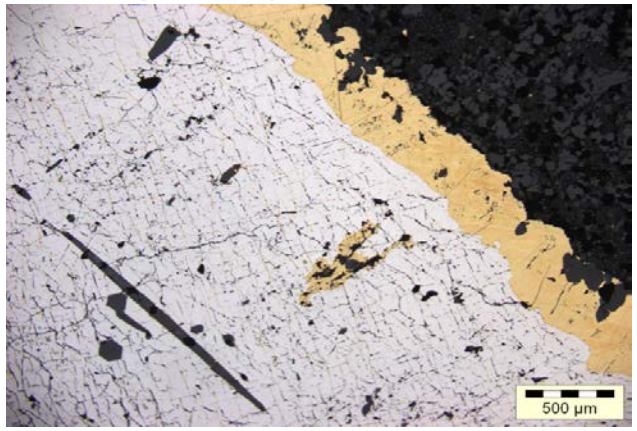




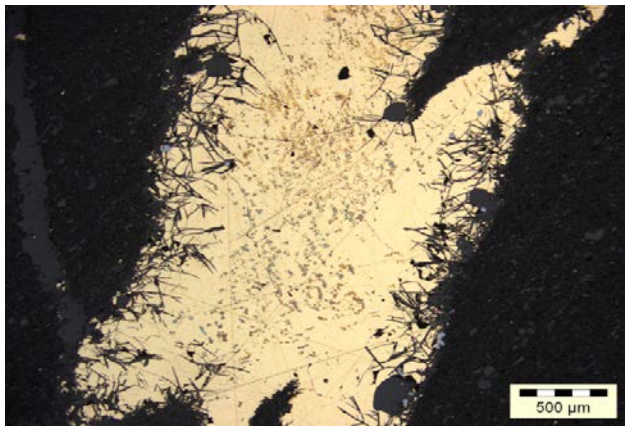




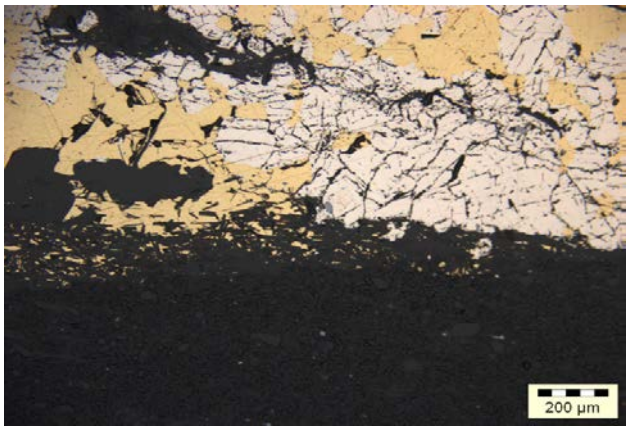
STCDH-009	138.7	SD	Carrollite and chalcopyrite	The carrollite is vein hosted and rimmed by a late stage chalcopyrite Tis chalcopyrite is also interstitial within the carrollite, filling the gaps created by the lattice structure. The mineralised vein is cross-cutting the bedding planes perpendicularly. This tends to be a common trend, where well mineralised veins are composed of carrollite and chalcopyrite with minor alteration bornite and cavellite. No chalcocite is identified in the veins **Paragenetic sequence: carrollite → chalcopyrite**



STCDH-009	201	SD/CMN	Carrollite, chalcopyrite and chalcocite	Veins of massive carrollite are rimmed by chalcopyrite. To boundary of the veins is highly fractured/shattered. The brecciated boundary might indicate a late deformation event that has been emphasised in the vein. The carrollite mineralisation is deposited before the chalcopyrite, with common interstitial chalcopyrite within the carrollite. **Paragenetic sequence: carrollite → chalcopyrite → chalcocite**

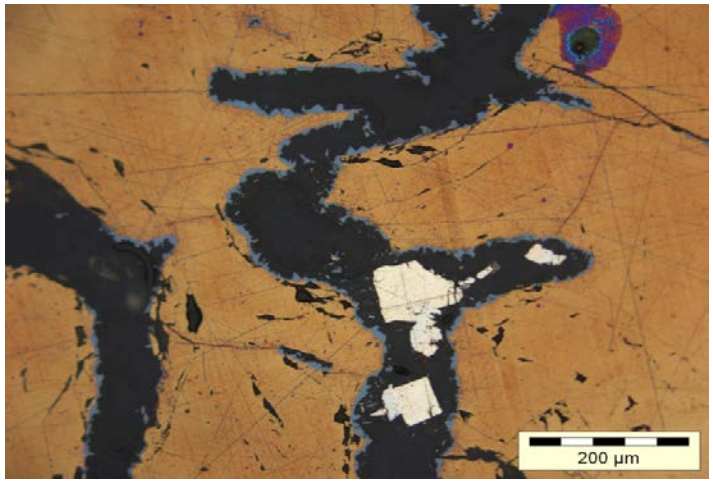


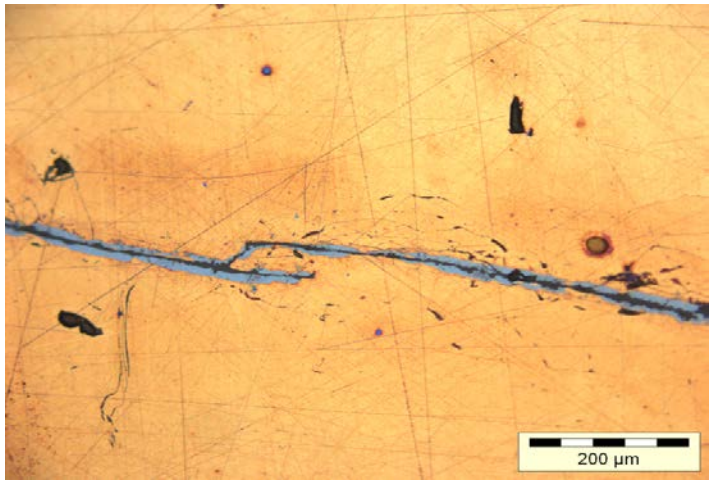




STCDH-012	180	SD	Carrollite, chalcopyrite, pyrite and chalcocite	Sample of a quartz-calcite vein mineralised with coarse grained chalcopyrite. Visible limonite and inclusions of host rock are combined with the mineralisation. There is the primary vein hosted chalcopyrite which makes up the vast majority of the mineralisation followed by late stage euhedral pyrite and minor carrollite within a vein. This vein has a clear alteration rim against the chalcopyrite which has resulted in the production of chalcocite.

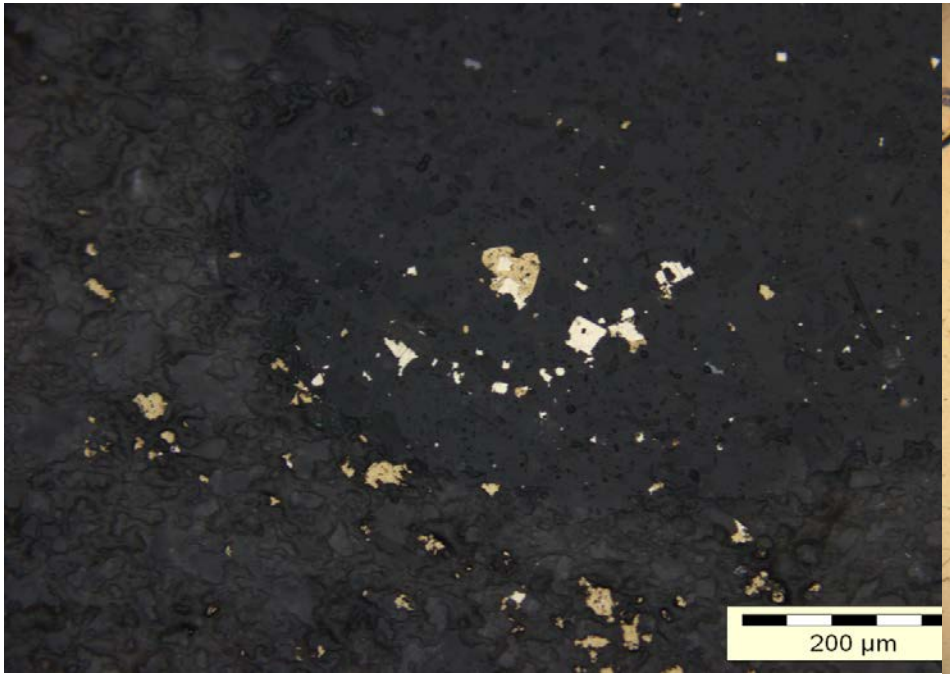
Paragenetic sequence: Chalcopyrite → carrollite →pyrite → chalcocite

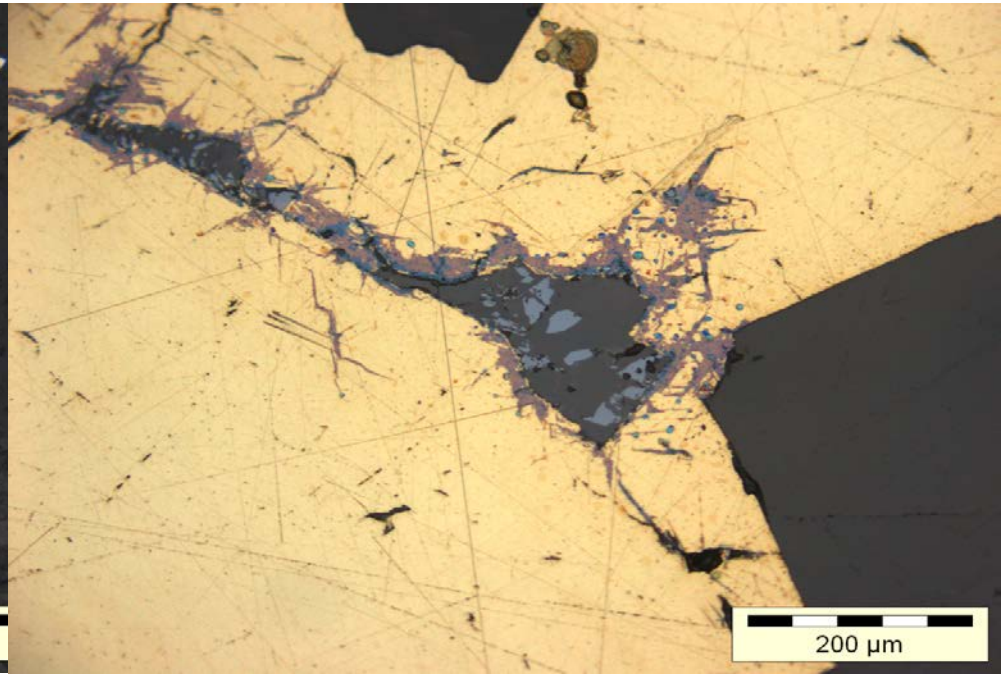




STCDH-022	107	Bleached SD	Carrollite, chalcopyrite, chalcocite, bornite, covellite	The stratabound mineralisation is composed of chalcocite, euhedral pyrite and a late stage rimming chalcopyrite. The chalcocite clearly formed first, followed by pyrite and a late chalcopyrite phase. In the perpendicularly oriented vein chalcopyrite is the main sulphide deposited. Within the vein the chalcopyrite hosts borniote, covellite, chalcocite and minor digenite in farctures and cracks. These are believed to a late stage alteration fo the chalcopyrite in the vein.

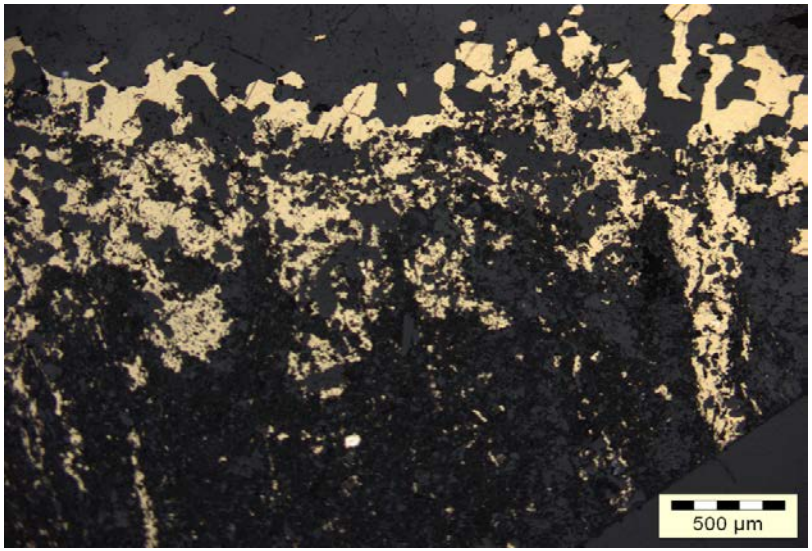
Paragentic sequence (disseminated): chalcocite → pyrite → chalcopyrite
Paragenetic sequence (vein): chalcopyrite → chalcocite →bornite →covellite→digenite

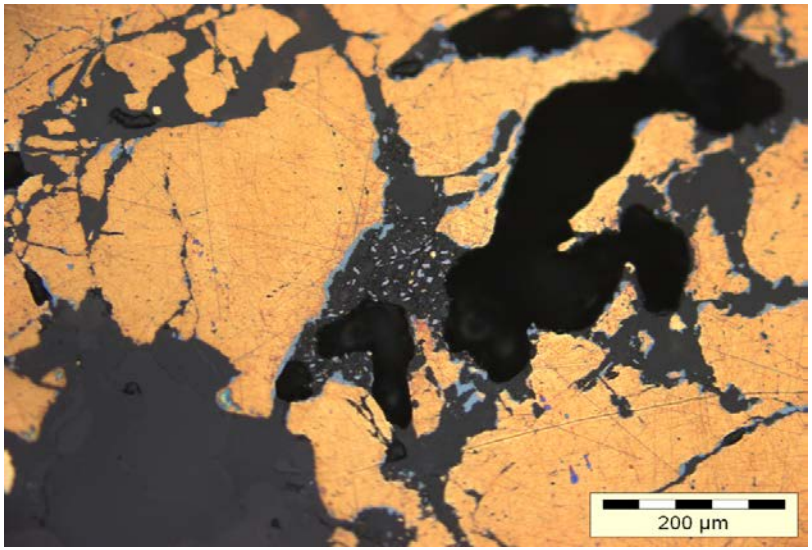




STCDH-022	113	SD	Carrollite, chalcopyrite, chalcocite	The disseminated and bedding parallel veins are strikingly similar in comparison to the perpendicular veins which are significantly different. The disseminated and bedding parallel vein mineralisation is predominantly composed of chalcopyrite and chalcocite. Potassic alteration is strongly ssociated with the quartz-calcite vein. Potassically altered areas are associated with chalcocite and chalcopyrite grains. The contact/boundary of the vein walls and the host rock are highly mineralised, possibly indicating a chemical control on sulphur precipitation. Alternatively this may be due to remobilisation of mineralised fluids along veins and bedding planes along the contact interface

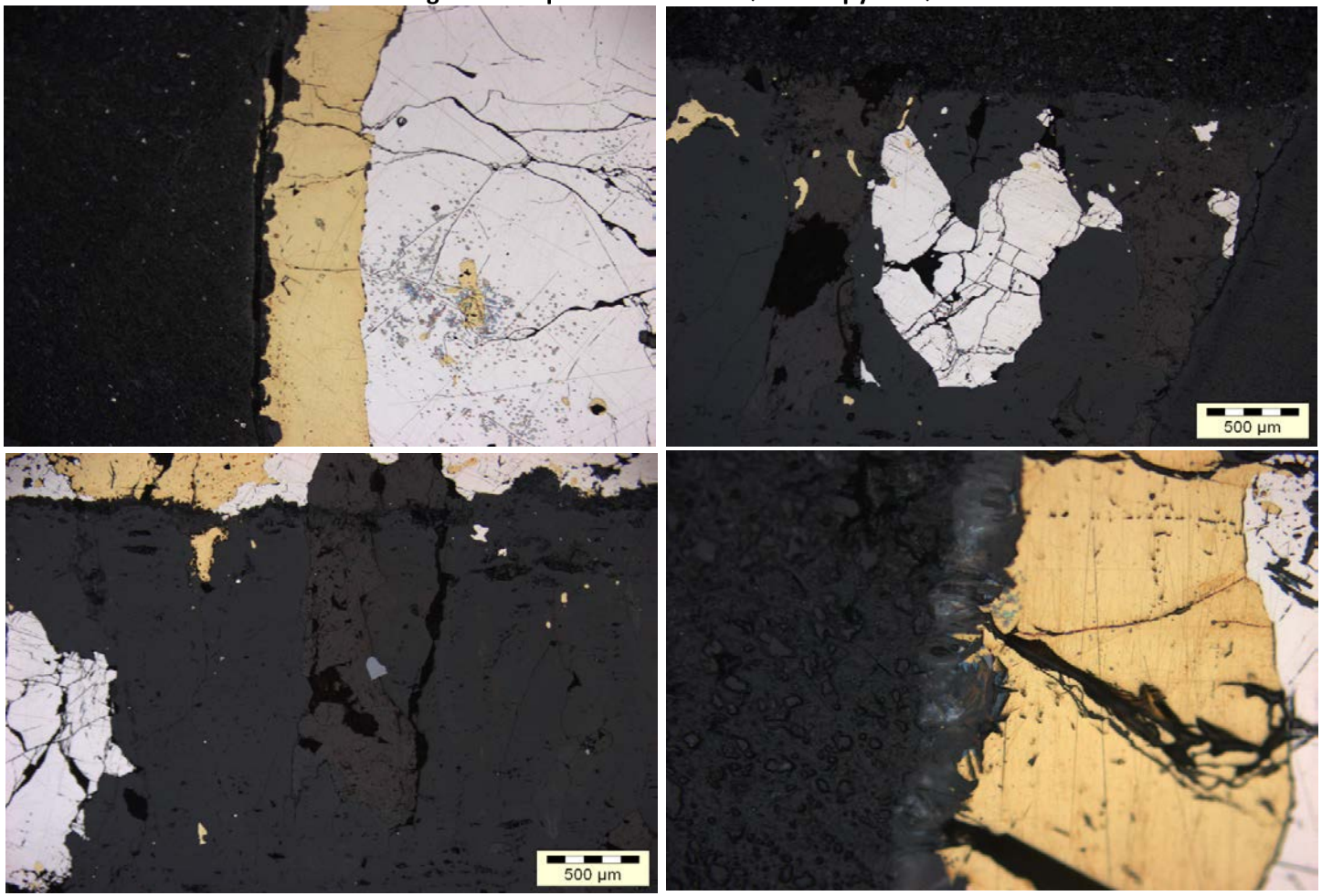
Paragenetic sequence: chalcopyrite + chalcocite
Paragenetic sequence (∟ vein): chalcopyrite + carrollite → chalcocite
Praragenetic sequence (|| vein): chalcopyrite → chalcocite



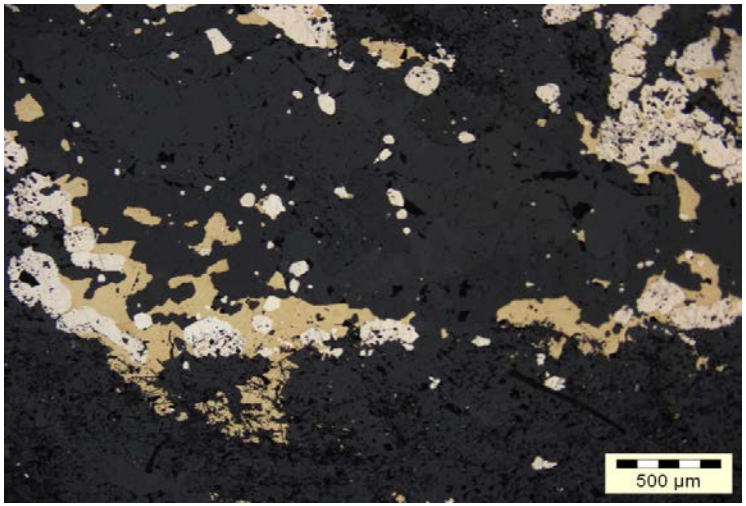


STCDH-024	311.5	SD (Black shale)	Carrollite, chalcopyrite, chalcocite, covellite and bornite	The veins in this section are oxidised and host carrollite and chalcopyrite minerlaisation, in addition to other minor sulphides. The veins in the section exhibit a primary carrollite which is thickly rimmed by chalcopyrite. Some interfaces show the recrystallisation of calcite and minor scapolite. The new crystals are oriented perpendicularly to the vein margin. The heavily oxidised portions do not exhibit strong mineralisation characteristics, but is rather associated with sparse disseminated chalcocite mineralisation.

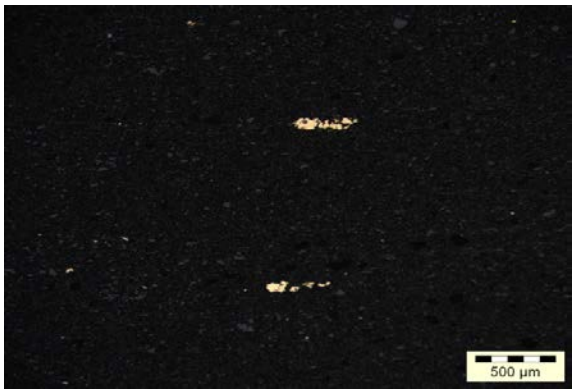
Paragenetic sequence: carrollite → chalcopyrite → chalcocite



STCDH-024	358	Evaporitic nodules in SD	Carrollite and chalcopyrite	Strong vein-host rock mineralisation with the core of the vein being mineralised with carrollite and the interface mineralised with chalcopyrite. There appears to minimal stratigraphich controls on the mineralisation. The chalcopyrite appears as a rim around calcite grains constraining it to being deposited either syn or post vein intrusion. No chalcocite is seen in this sample in disseminiated or vein style mineralisation. little visible alteration is also seen. **Paragenetic sequence: carrollite → chalcopyrite**

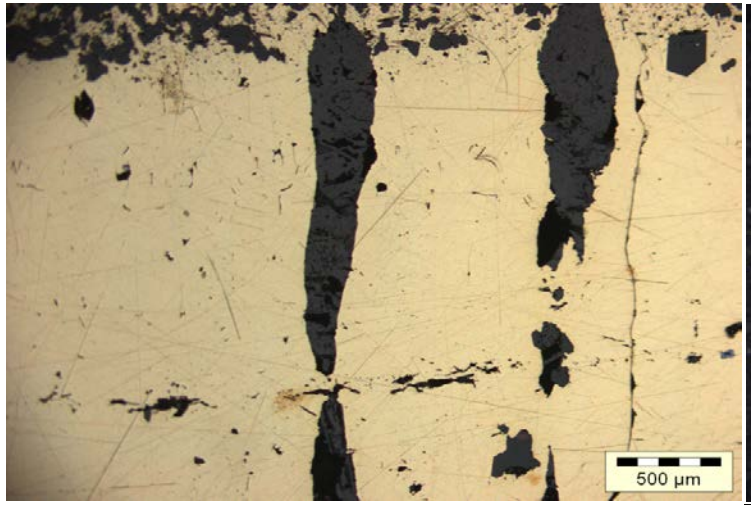


STCDH-064	91	Laddered calcite vein	Chalcopyrite and chalcocite	Disseminated blebs of sulphide that are controlled by the bedding planes. Minimal mineralisation associated with this sample. The sample is associated with minor potassically alteration. **Paragenetic sequence: chaclopyrite + chalcocite**

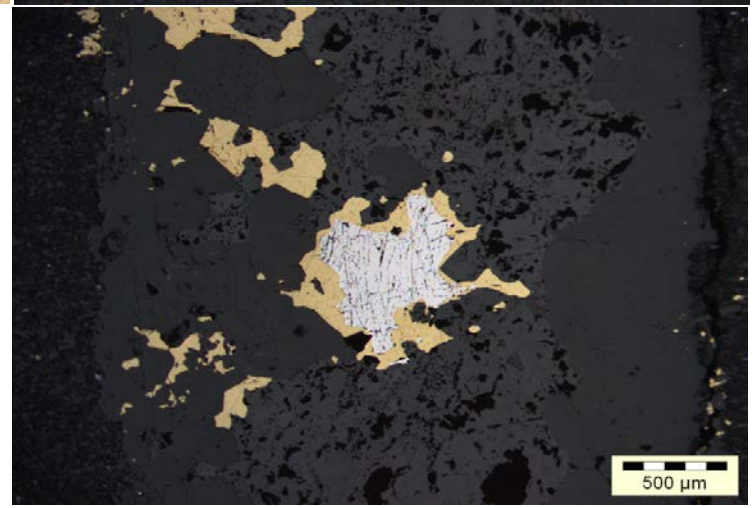


STCDH-064	113.5	Cross-sutting veins	Chalcocite, carrollite and chalcopyrite	The bedding parallel vein is strongly mineralised with chalcopyrite. By comparison the perpendicular vein is poorly mineralised. The perpendicular vein is potassically altered and represent the youngest generation of veins. Disseminated sulphides are chalcopyrite and chalcocite with minimal pyrite. The disseminated sulphides are sparsely distributed and random, with no apparent controls

Paragenetic sequence (veins) : carrollite → chalcopyrite
Paragenetic sequence (disseminated): chaclcopyrite + chalcocite

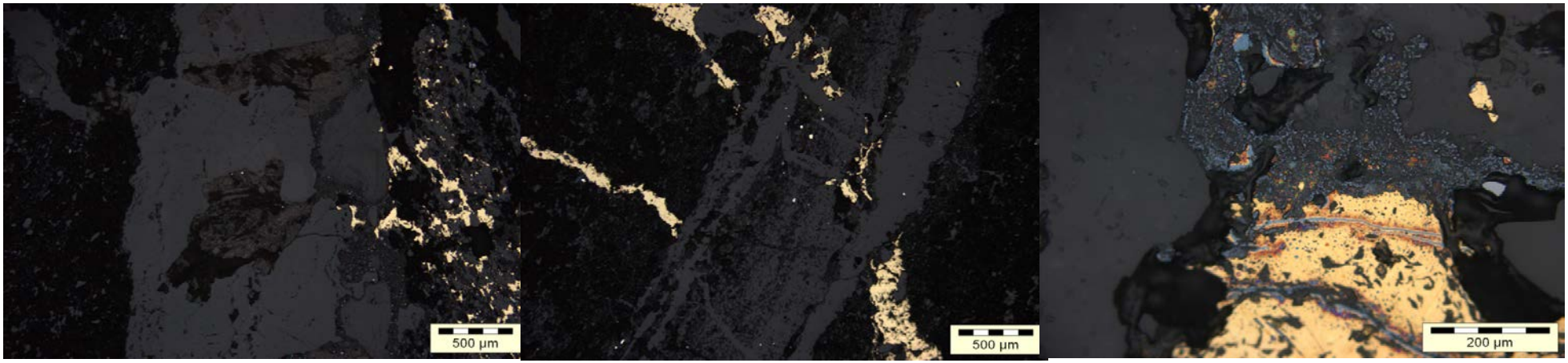






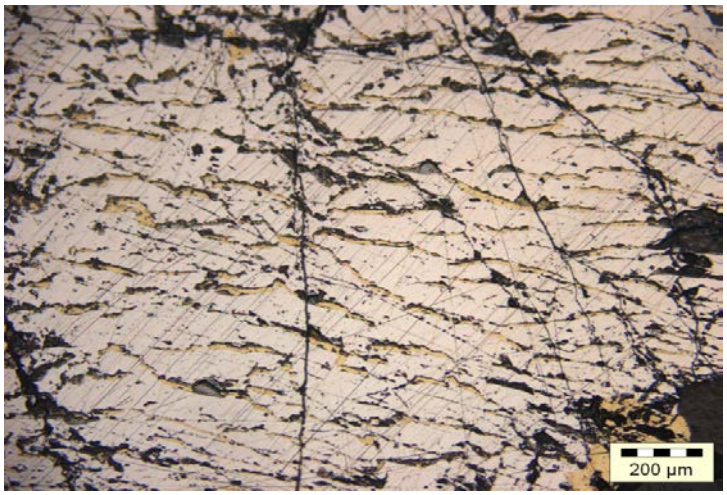
STCDH-071	164	Veins in SD	Chalcopyrite, chalcocite and covellite	Veins associated with potassic alteration are particularly barren in comparison to relativelyunaltered veins. The potassic alteration is seen in areas where the lithologies have been 'chewed' up. These areas possibly promote potassic alteration due to the increased surface area and ease of fluid flow through disrupted beds. There are 2 disticnt veins in the sample. one vein is highly mineralised with chalcopyrite and covellite, whilst the other vein is relatively unmineralised. the unmineralised veins are the youngest generation of vein. The characteristic chalcocite and minor covellite are seen as alteration rims around the chalcopyrite.

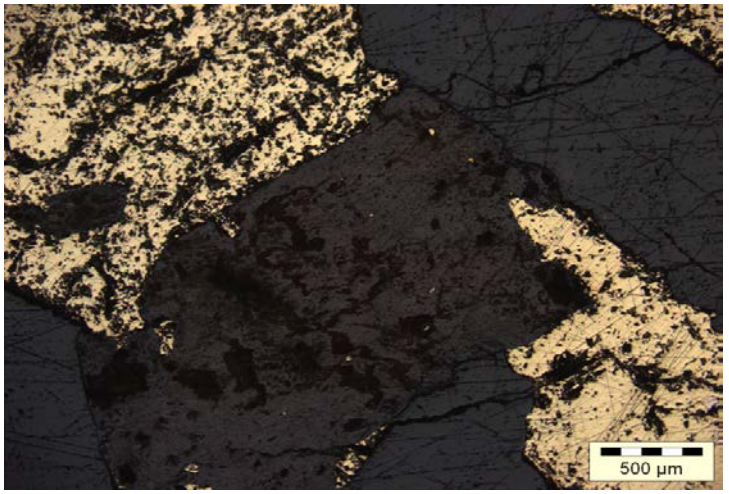
Paragenetic sequence (Disseminated): chalcopyrite + chalcocite
Paragenetic sequence (mineralised vein): chalcopyrite → chalcocite

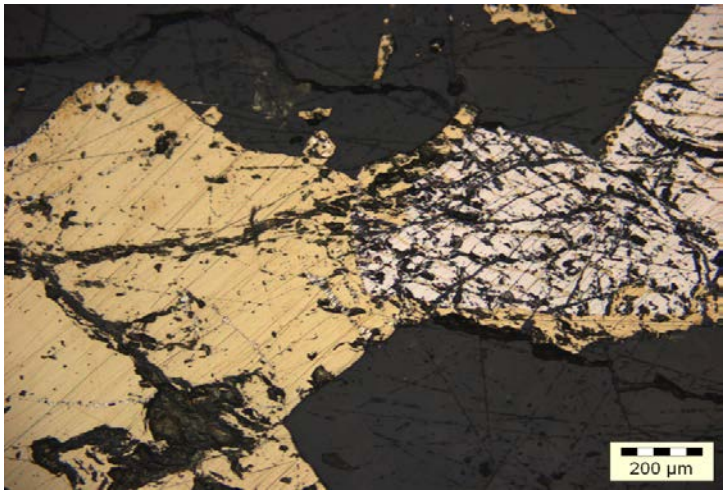


STCDH-071	204	SD	Carrollite and chalcopyrite	High degree of potassic alteration in cross cutting vein. The carrollite in the vein is rimmed by the chalcopyrite. The chalcopyrite accounts for 60% of all the sulphide mineralisation in this sample. No alteration related sulphides. The carrollite cracks and crystallographic laths are filled by chalcopyrite. The carrollite is also seen in the cracks of the chalcopyrite. This may represent a coeval sulphide deposition.

Paragenetic sequence (disseminated): chalcopyrite
paragenetic sequence (vein): carrollite → chalcopyrite

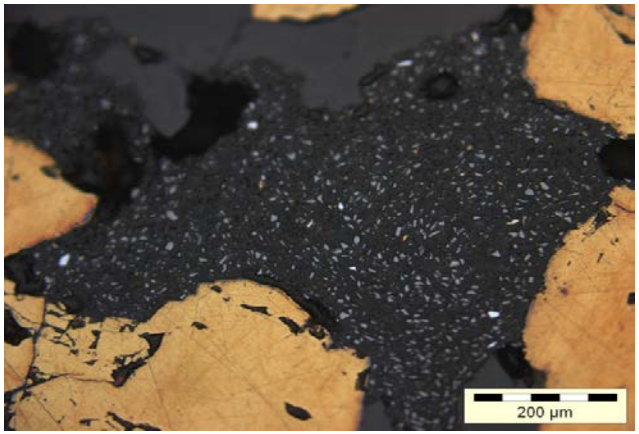


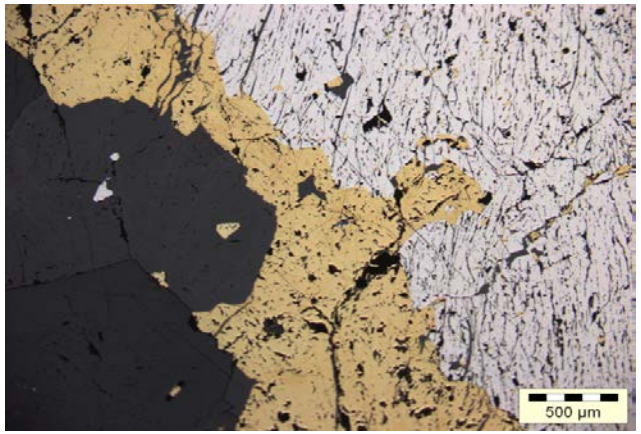




STCDH-071	205	SD	Chalcopyrite and carrollite	coarse grained calcite vein with chalcopyrite and carrollite. The carrollite is rimmed by chalcopyrite where both minerals are in the presence potassic alteration. There are no preferencial controls on the alteration nor on the mineralisation. The disrutped zones are potassically altered and mineralised with chalcopyrite and carrollite. The carrollite has interstitil chalcopyrite in cracks and crstallographic laths

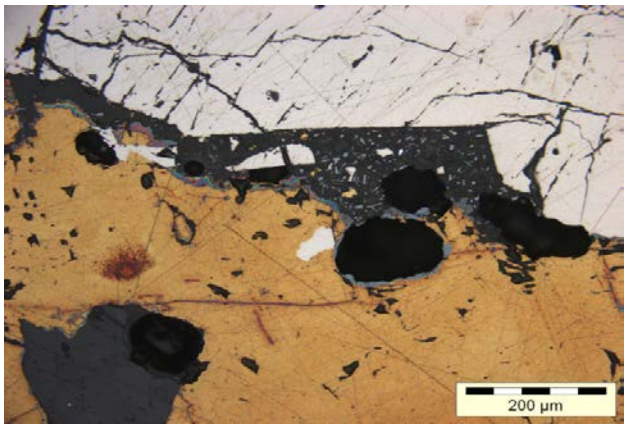
Pragaenetic sequence: carrollite → chalcopyrite

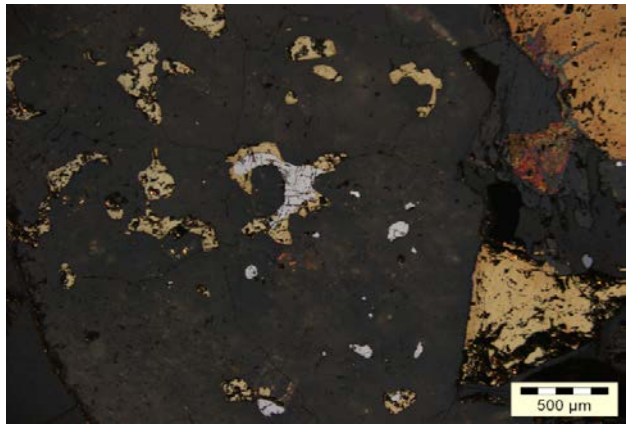




STCDH-071	233		Carrollite, chalcopyrite and chalcocite	Highly oxidised section with potassically altered quartz-calcite vein. The primary copper-cobalt sulphides have been altered along grain boundaries and vein-wall rock contacts, resulting in chalcocite sulphide rims.

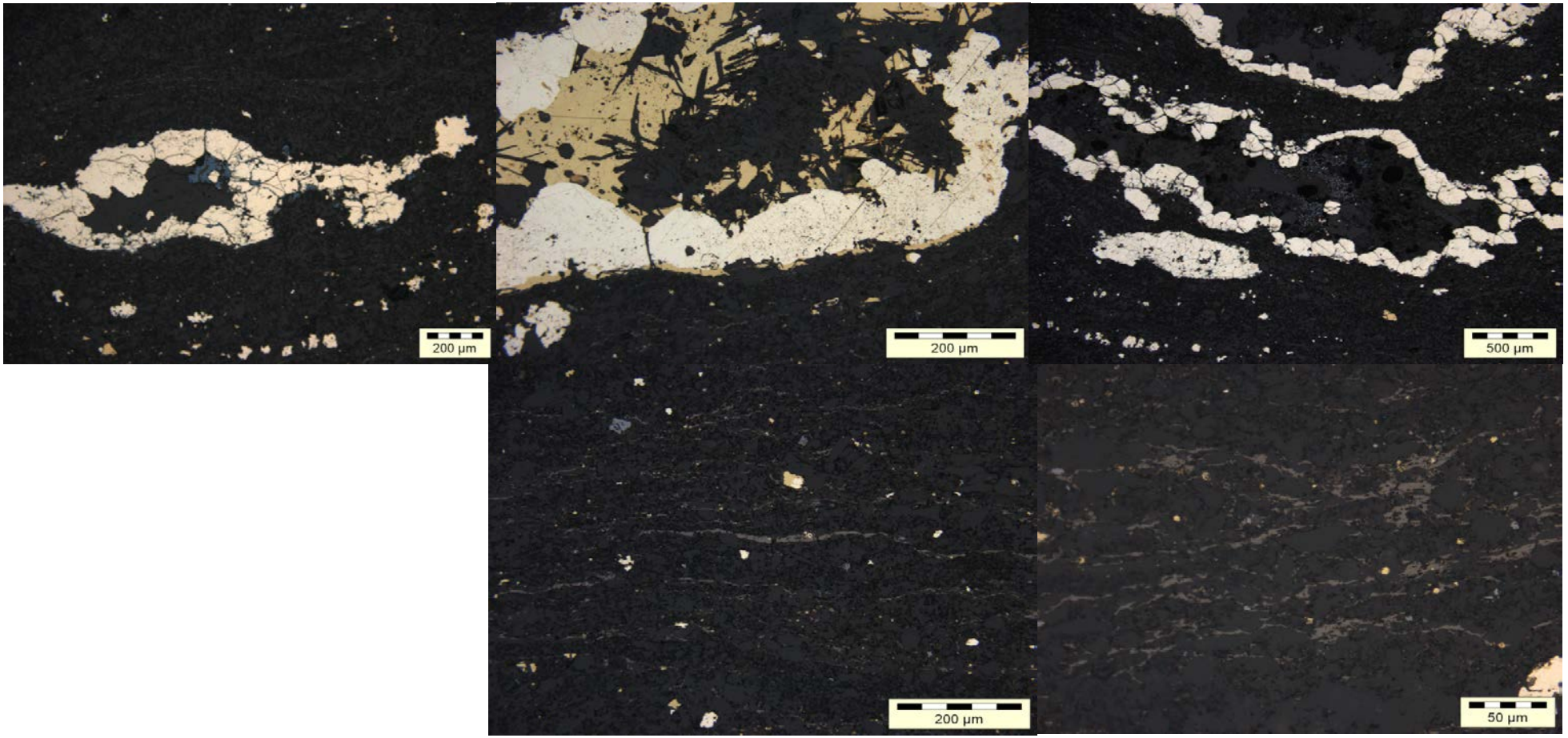
Paragenetic sequence: carrollite → chalcopyrite → chalcocite





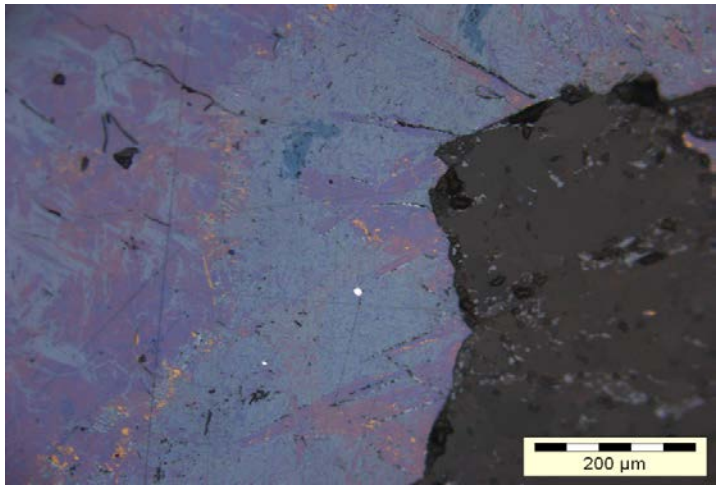
STFDH-027	107	Evaporitic SD	Pyrite, chalcopyrite, chalcocite and sphalerite	SD bearing evaporitic nodules, which themselves have been altered (Potassically?). The evaporitc nodules have been replaced by scapolite and calcite creating needle-like replacement textures. The evaporites have been rimmed by pyrite and minimal chalcopyrite, again along the interface between the evaporite and the host rock. The occurrence of scapolite, evaporites and mineralisation are possible indicator pathways for exploration. There are micro fluid flows of mineralisation within the shale that travel along the bedding planes as well as the pre-existing veins. This could represent a late phase mineralisation sequence post dating the original sulphide deposition.

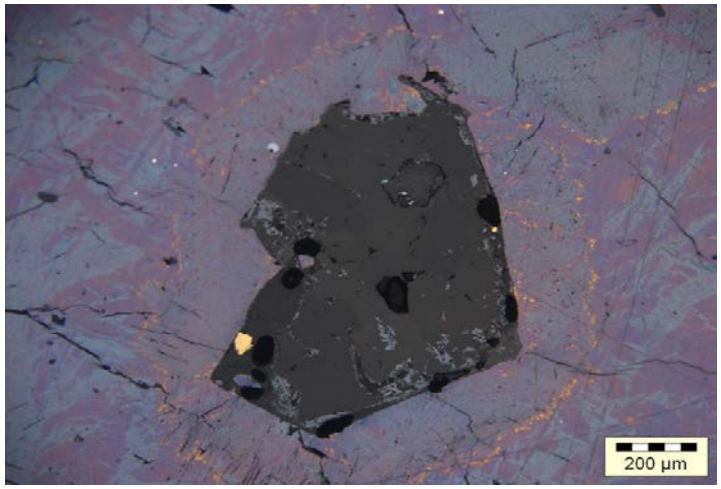
Paragenetic sequence: pyrite → chalcopyrite →chalcocite →sphalerite

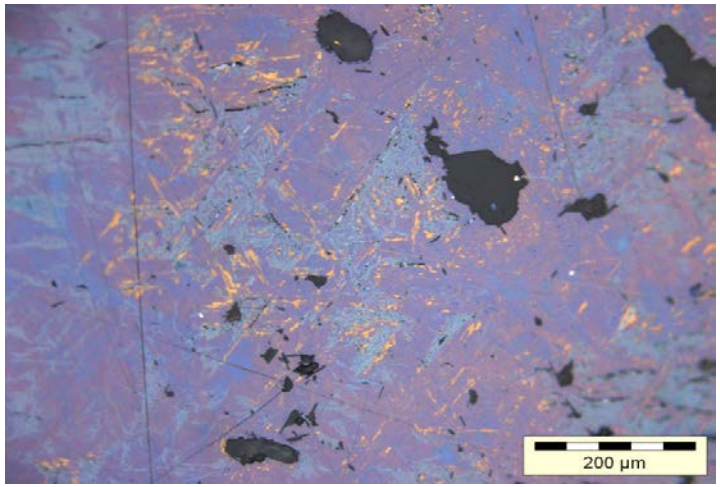


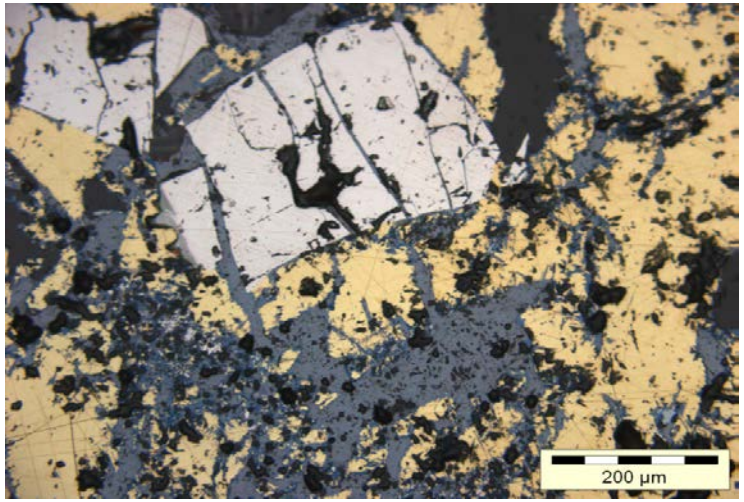
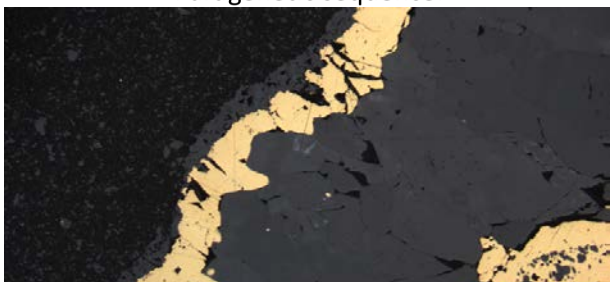
TCDH-030	230	SD	Bornite, chalcocpyrite, chalcocite and covellite	Bornite diseased with chalcopyrite. Highly disrupted section with no evidence of uyniform bedding planes. The bornite is zoned with chalcoprite forming specific rims within the bornite. This indicates multiple growth phases in the bornite. Again there is late stage chalcocite deposition which concludes the mineralisation events.

Paragenetic sequence: bornite + covellite → carrollite + chalcopyrite +chalcocite







TCDH-048	101	Dstrat	Carrollite, chalcopyrite, chalcocite and covellite	Oxidised quartz-calcite vein with visible chalcopyrite and carrollite. Carrollite is deposited earlier than the chalcopyrite and as a result is rimmed by it. Clear alteration mineralisation in the form of covellite and chalcocite is present as a late stage deposition and remobilisation of sulphur. The strongloy altered nature of the vein does not seem to affect the mineralisation, however the degree of copper alteration may be depedent on the oxidation state of the host medium, ie if the vein has potassic alteration it may indicatye that the main carrollite and chalcopyrite sulphides will have alteration rims of chalcocite and covellite. **Paragenetic sequence: carrollite → chalcopyrite → chalcocite → covellite** 
TCDH-050	330.8	Dstrat	Chalcopyrite	Calcite vein bearing chalcopyrite along the boundary. The chalcopyrite appears to be evidience for multiple injections of chalcopyrite in a vein system. Initially calcite was introduced. Then a later mineralised phase was introduced, followed finally by another low volume calcite influx. This creatyes a pseudo-layering appearance in the vein. Paragenetic sequence: 

500 µm