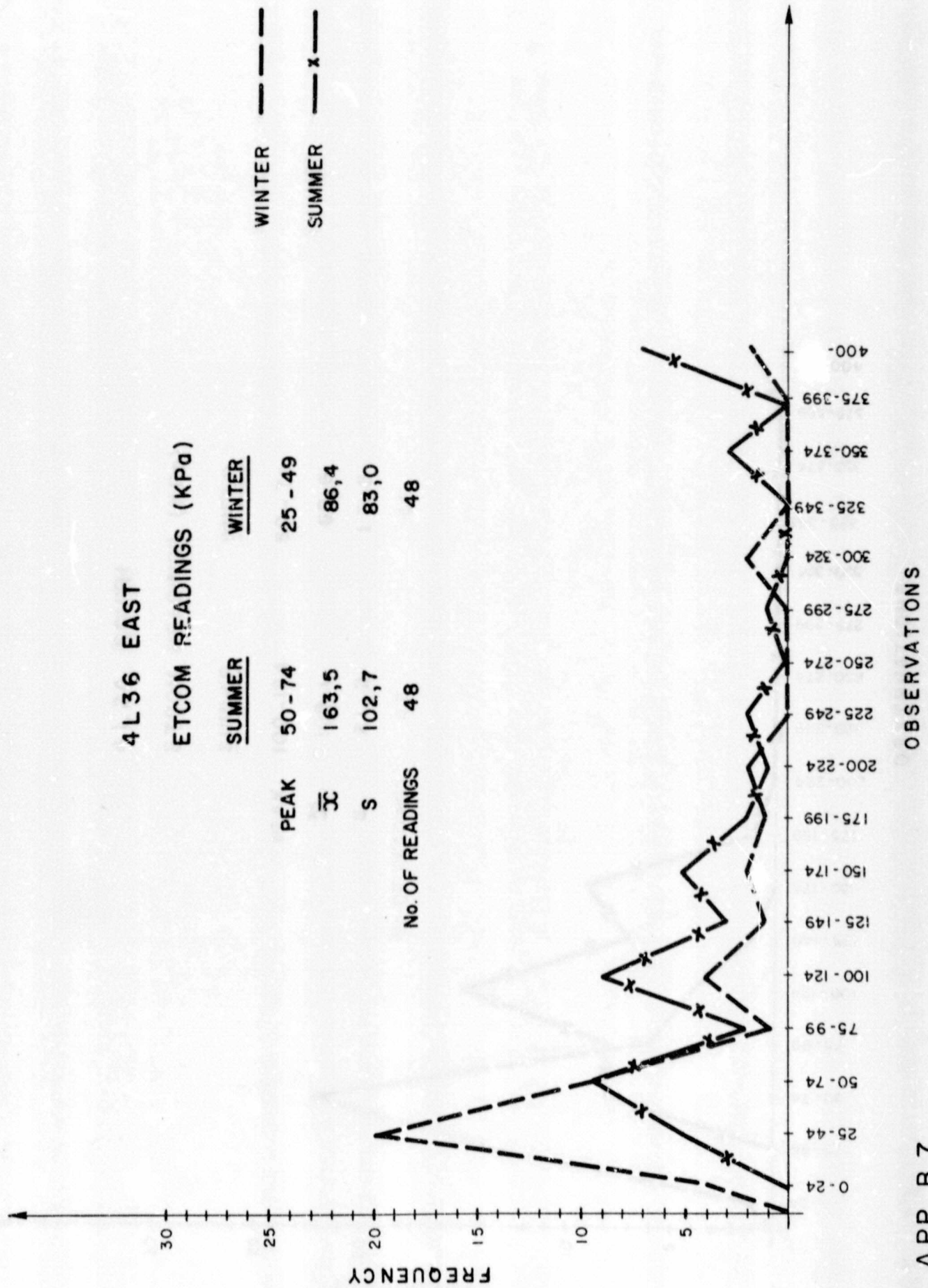
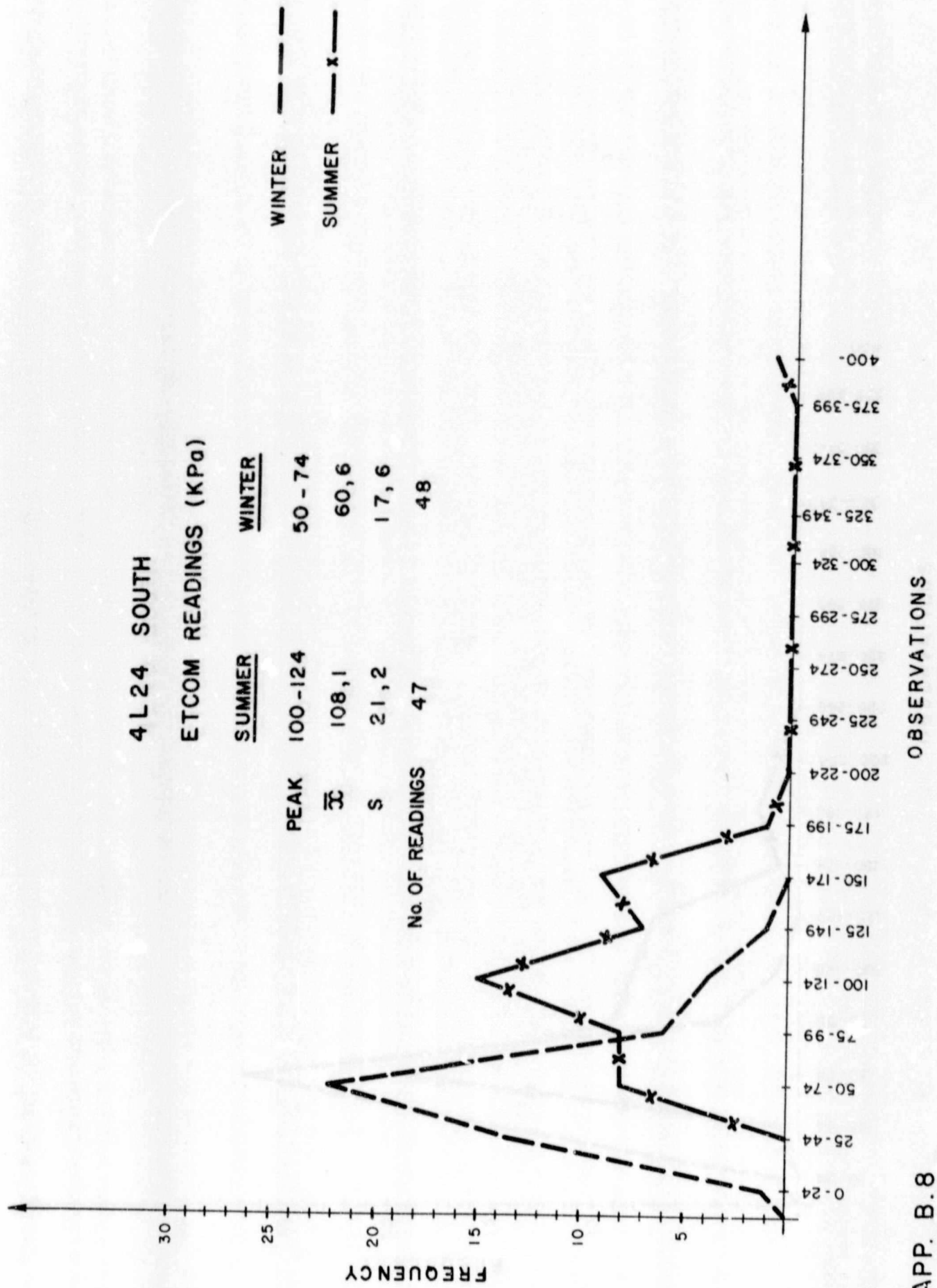
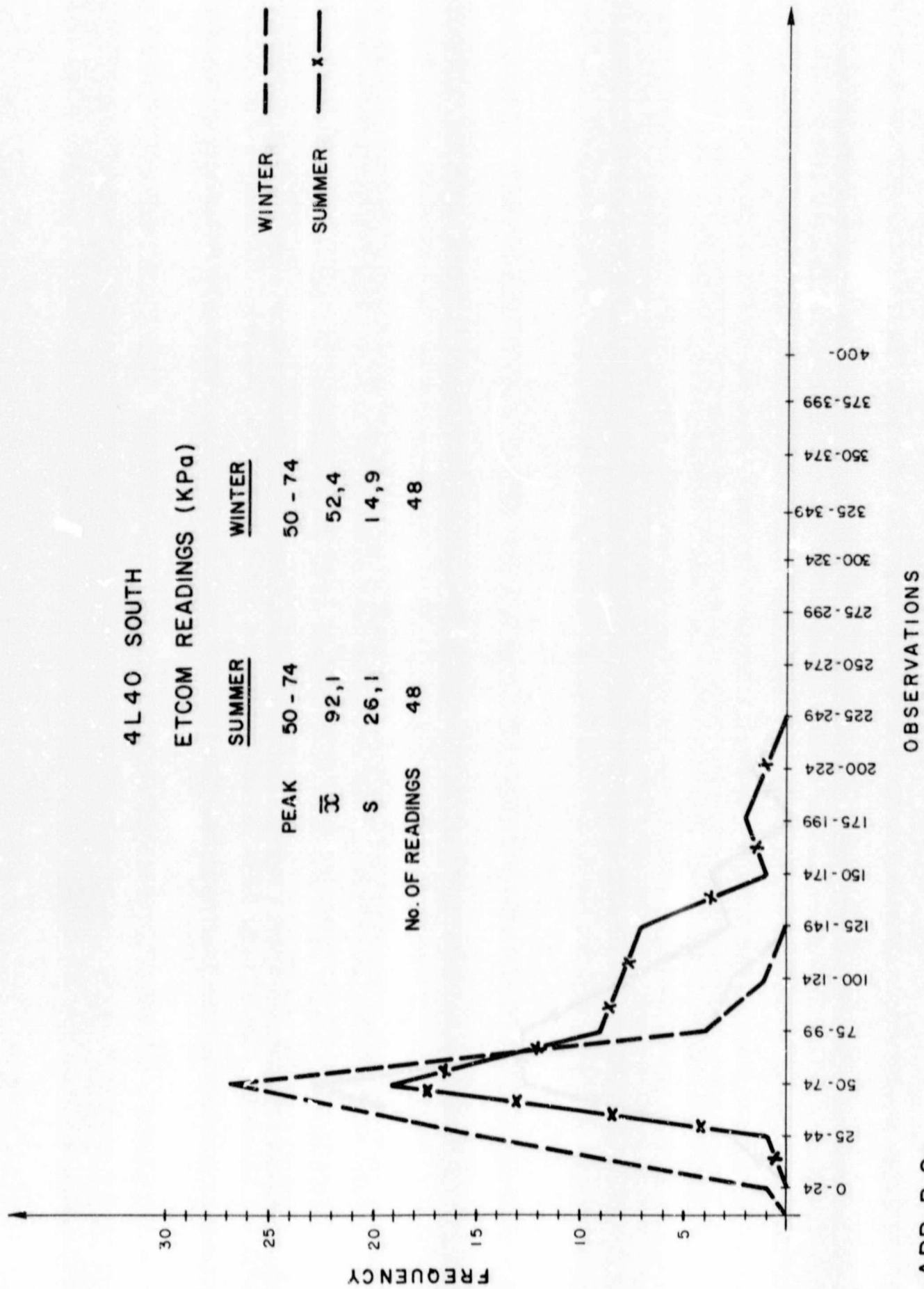
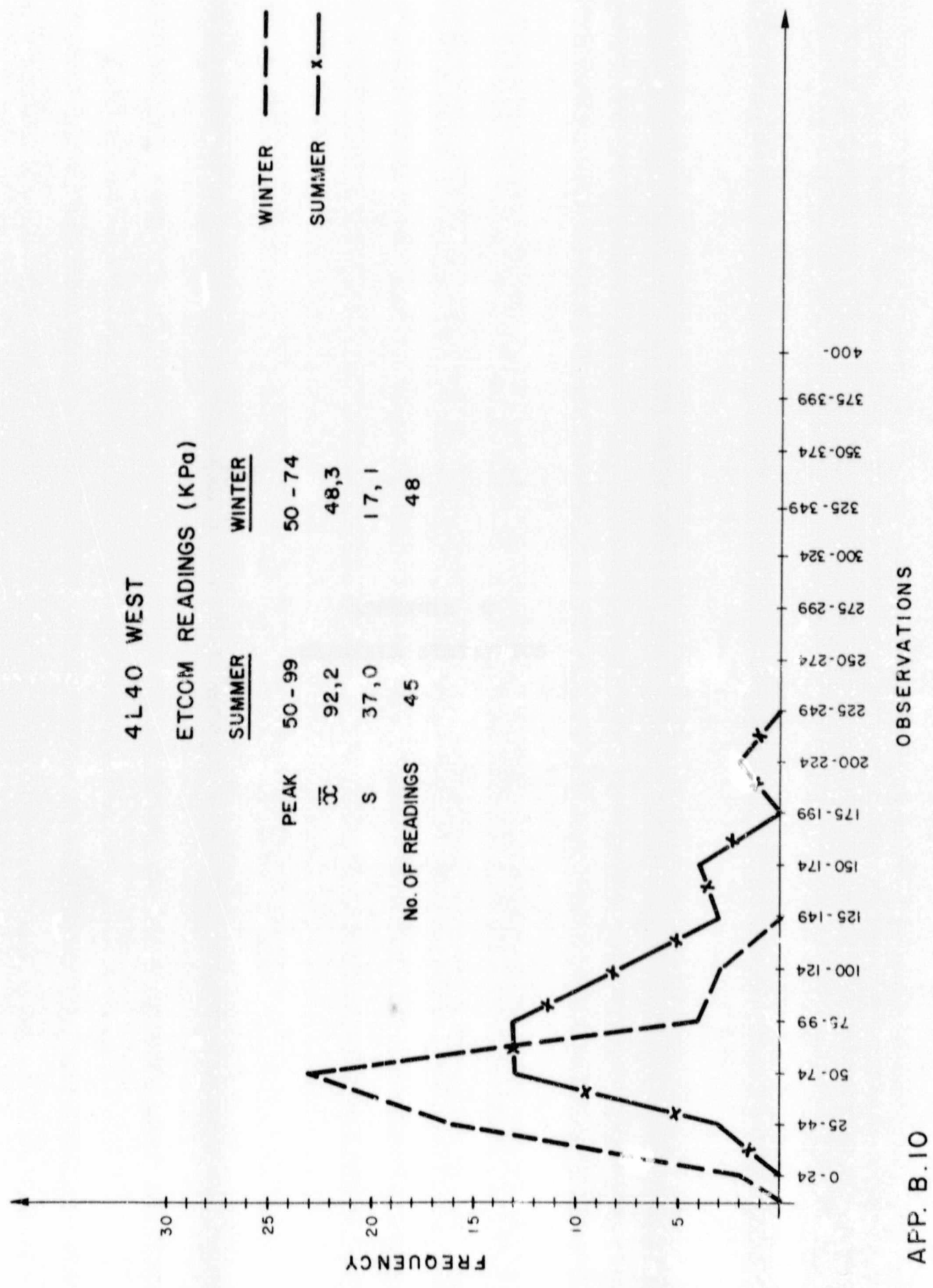








APP. B.9

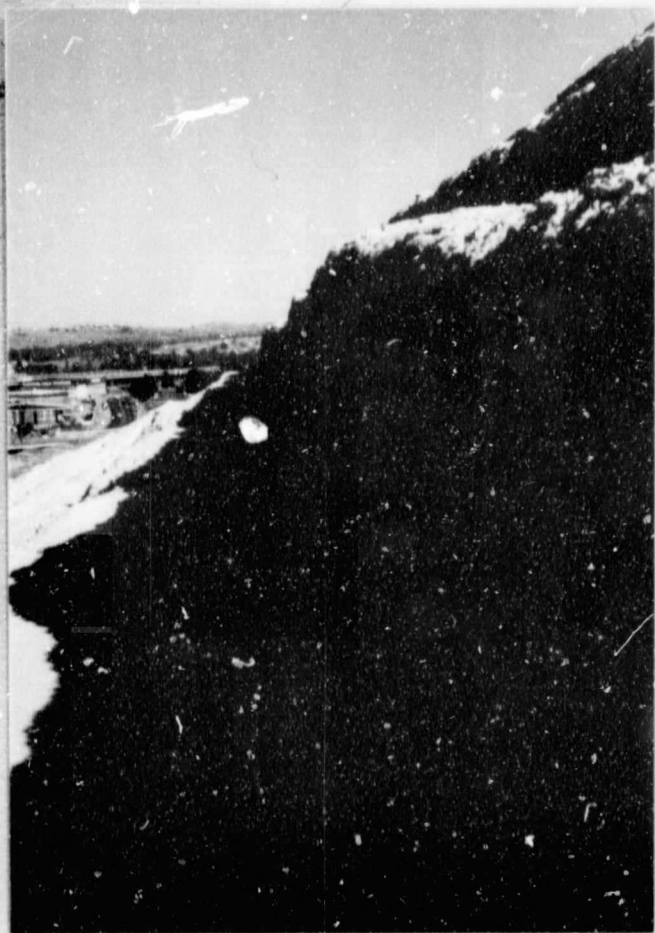


APPENDIX C
RAINFALL STATISTICS

	25 Yr Ave.	30 Yr Ave.	1979	1980	1981	1982	1983	1984	6 Yr Ave.
January	129,8	131,5	93,3	209,1	139,6	160,8	97,2	60,5	126,8
February	94,7	95,2	38,8	173,6	121,3	59,7	95,6	13,1	83,7
March	81,8	83,8	84,3	80,4	66,5	100,0	56,2	77,6	77,5
April	63,0	57,7	42,7	13,9	44,9	42,1	11,8	12,2	27,9
May	20,9	18,6	13,8	2,2	0,0	0,0	14,2	1,1	5,2
June	7,0	7,4	0,1	0,0	8,9	0,5	36,0	10,5	4,9
July	5,5	5,6	15,4	0,0	0,0	10,9	3,7	14,7	7,5
August	4,7	6,0	46,4	0,0	12,5	0,3	5,5	0,4	10,9
September	25,8	27,1	30,2	80,1	29,3	9,7	17,7	11,9	29,8
October	70,5	69,2	68,6	11,7	93,9	64,0	74,4	74,1	64,5
November	115,4	115,9	188,5	147,5	79,8	45,6	130,9	117,8	118,4
December	110,8	108,1	67,3	37,5	96,9	105,6	167,3	48,6	87,2
Total (mm)	729,9	726,1	689,4	756	693,6	599,2	710,5	442,5	644,3

Appendix C RAINFALL STATISTICS - JAN SMUTS AIRPORT

APPENDIX D
TYPICAL EXPERIMENTAL PLOTS



3L39 East
Balmoral North



4L34 South
4L37 North

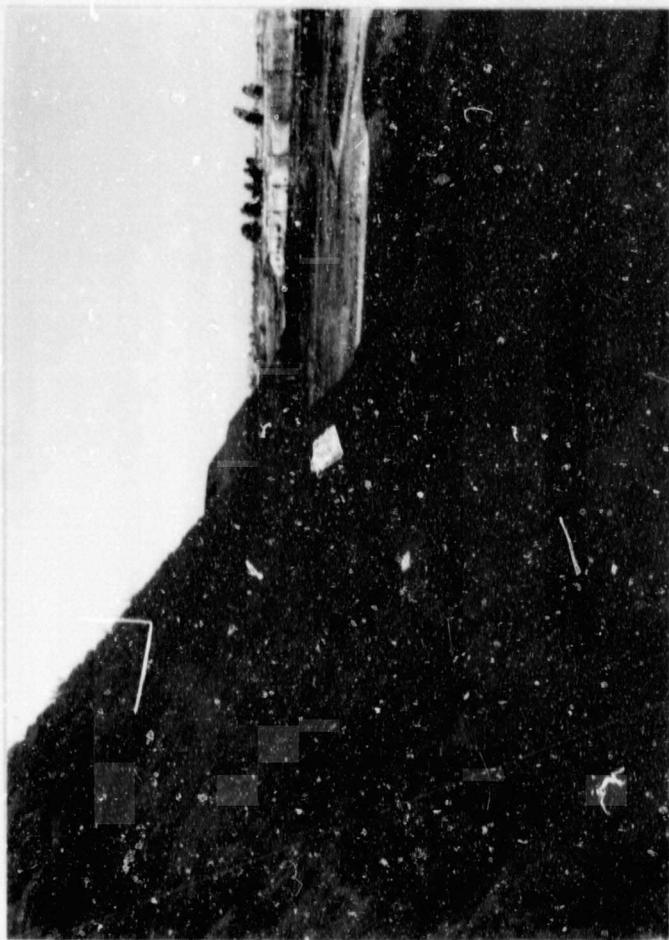
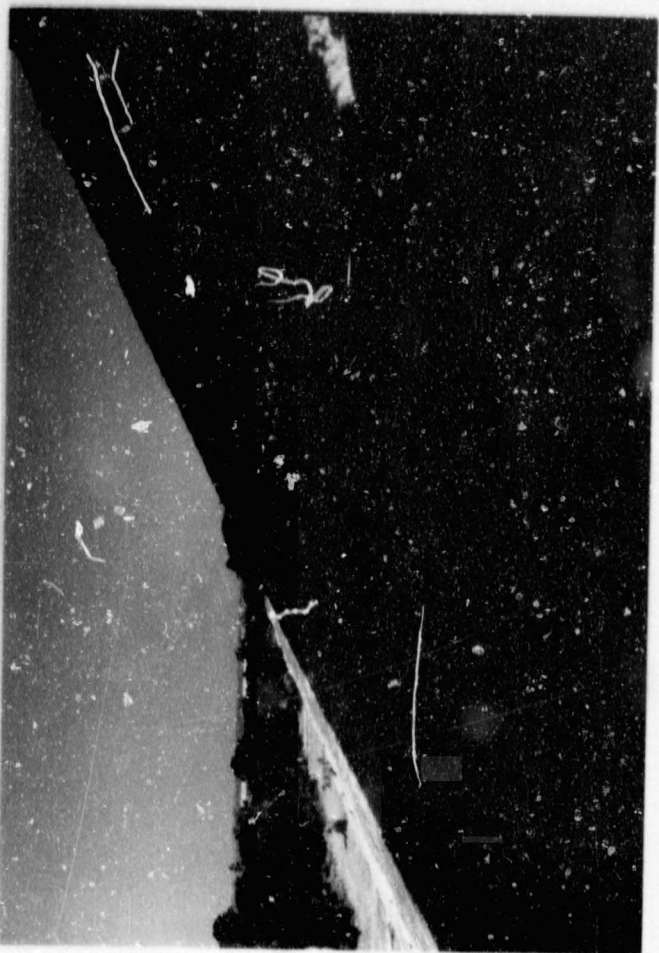


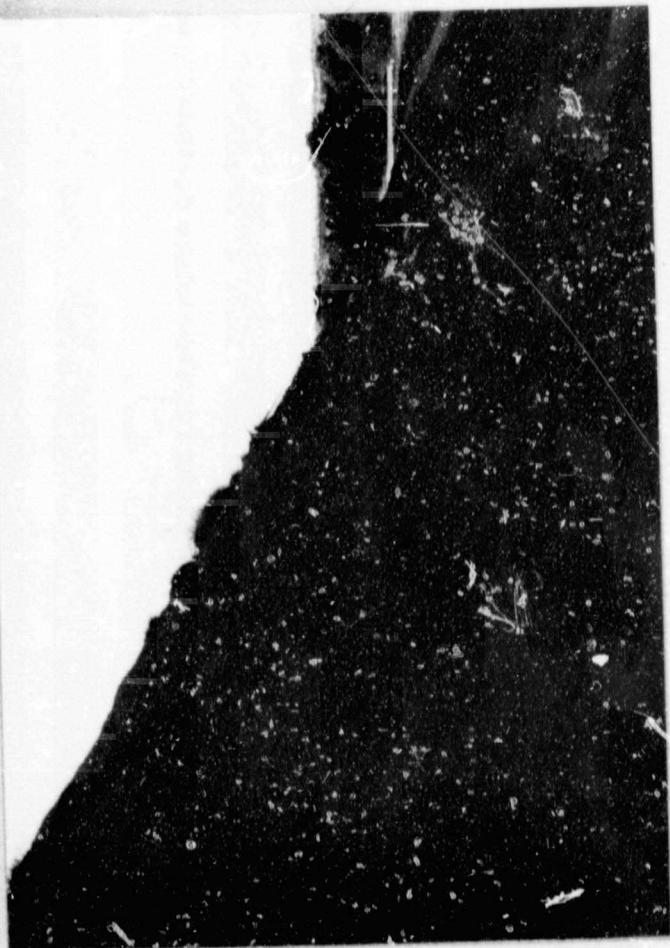


4L37 East
4L36 East

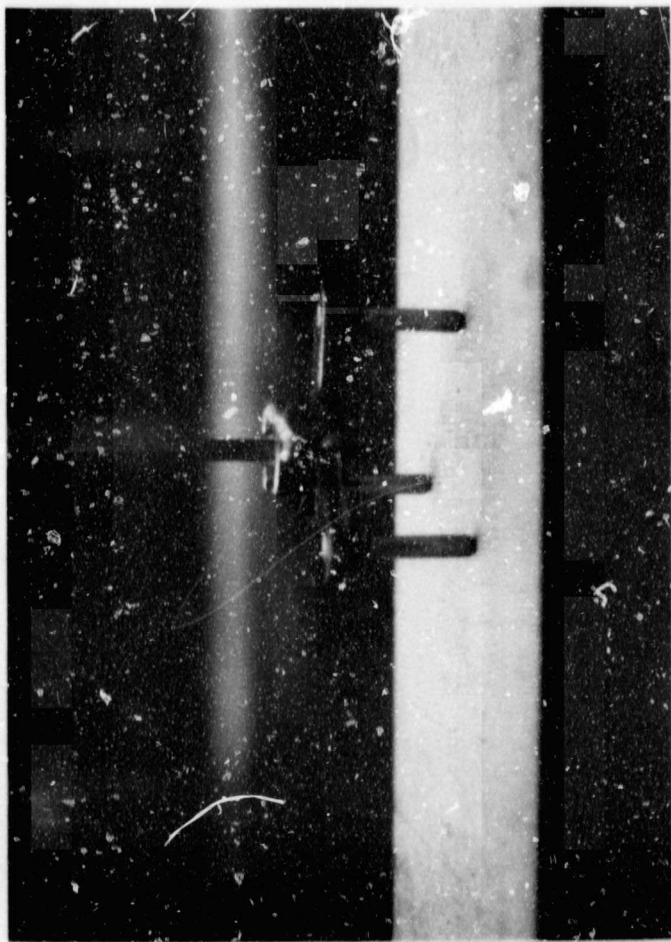


4L36 North
4L24 South





4L40 South
4L40 West



ETCOM Jet
ETCOM pressure gauges



APPENDIX E

MEASUREMENT OF RETREAT OF GOLD
RESIDUE AT INDIVIDUAL PEGS

RETREAT NM

PEG NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	AVERAGE RETREAT
3L39E	W 5	4	5	18	4	4	13	7	11	5	8	3	5	12	5	13	7,6
	S 26	2	21	8	5	6	-2*	3	11	8	12	25	14	5	4	5	9,8
Total	31	6	26	26	9	10	11	10	22	13	20	28	19	17	9	22	17,4
4L34	W 7	-	9	-	25	4	8	5	13	16	4	10	6	11	6	7	9,3
	S 9	-	21	-	35	21	92	30	19	3	6	10	8	5	24	5	20,6
Total	16	-	30	-	60	25	100	35	32	19	10	20	14	16	30	12	25,9
Balmoral	W 13	13	2	0	0	0	0	0	13	13	2	25	10	0	8	0	6,2
	S 14	14	8	7	0	4	12	14	17	28	7	25	9	6	8	12	11,6
Total	27	27	10	7	0	4	12	14	30	41	9	50	19	6	16	12	17,8
4L37N	W 4	12	7	3	1	6	6	2	5	4	5	5	6	8	2	1	4,8
	S 3	3	2	9	9	4	9	14	3	3	7	5	9	-7*	13	9	5,9
Total	7	15	9	12	10	10	15	16	8	7	12	10	15	1	15	10	10,7
4L37E	W 30	17	4	16	30	16	5	10	5	16	6	6	11	21	6	15	13,4
	S 11	8	6	10	-9*	-6*	17	40	2	53	5	16	7	14	10	7	12,0
Total	41	25	10	26	21	10	22	50	7	69	11	22	18	35	16	22	25,4

W = Winter reading mm

S = Summer reading mm

1 2 3 4

 5 6 7 8

 9 10 11 12

 13 14 15 16

Peg position & Nos.

Downslope

*Negative Numbers
denotes siltingAppendix E.1. MEASUREMENT OF THE RETREAT OF GOLD RESIDUE AT
INDIVIDUAL PEGS

RETREAT MM

PEG NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	AVERAGE RETREAT	
4J,36N	W	3	1	19	13	17	32	10	10	22	13	14	5	16	4	5	7	11,9
	S	1	4	3	3	8	28	18	27	17	11	-	13	12	6	14	12	11,1
Total	4	5	22	16	25	60	28	37	39	24	14	18	28	10	19	19	23,0	
4L36E	W	3	0	4	5	7	3	10	2	6	0	10	0	5	3	6	25	5,6
	S	5	3	-1*	2	9	7	27	8	9	1	10	6	18	-1*	5	4	7,0
Total	8	3	3	7	16	10	37	10	15	1	20	6	23	2	11	29	12,6	
4L24S	W	0	0	0	7	10	6	10	2	0	1	7	2	14	11	13	4	5,4
	S	0	0	0	0	9	5	14	4	4	3	14	1	8	4	5	8	5,0
Total	0	0	0	7	19	11	15	16	4	4	4	21	3	22	15	18	12	10,4
4L40S	W	5	17	6	31	2	7	5	12	2	4	3	6	6	7	14	4	8,2
	S	2	11	3	-2*	0	5	6	7	5	-3*	5	7	10	5	7	27	5,9
Total	7	28	9	29	2	12	11	19	7	7	1	8	13	16	12	21	31	14,1
4L40W	W	8	-	2	7	4	6	2	2	0	5	6	3	6	14	5	7	5,1
	S	2	-	-1*	-2*	3	15	1	8	9	1	11	4	13	5	-3	-1	4,3
Total	10	-	1	5	7	21	3	10	9	9	6	17	7	19	19	2	6	9,4

W = Winter reading mm

S = Summer reading mm

1 2 3 4
 5 6 7 8
 9 10 11 12
 13 14 15 16
 Peg position & Nos.

Downslope

*Negative Numbers
denotes siltingAppendix E.2. MEASUREMENT OF THE RETREAT OF GOLD RESIDUE AT
INDIVIDUAL PEGS

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