PART A

IONOSPHERIC DATA

ISSUED
JUNE 1963

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS
CENTRAL RADIO PROPAGATION LABORATORY
BOULDER, COLORADO

CRPL-F 226
PART A

NATIONAL BUREAU OF STANDARDS
CENTRAL RADIO PROPAGATION LABORATORY
BOULDER, COLORADO

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CONTENTS

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The CRPL-F series bulletins are issued as part of the responsibility of the Central Radio Propagation Laboratory for the exchange and distribution of ionospheric and related geophysical data. Part A, "Ionospheric Data," and Part B, "Solar-Geophysical Data," of the CRPL-F series present a variety of data in convenient form for use in research in radio propagation and the ionosphere and in other geophysical problems.

The current form of the tables of ionospheric data provides the monthly medians and, in addition, the number of values entering into the median determination (count) for all ionospheric characteristics listed. Also, when available, the upper and lower quartile values indicated by UQ and LQ in the tables, are listed for foF2, h'F2, h'F, and M(3000)F2. Quartile values are not listed for the other characteristics because of space limitations. The tables are prepared by IBM machine methods.

Beginning with CRPL-F221, Part A, "Ionospheric Data," the hourly median values for the graphs of critical frequencies and M(3000)F2 were plotted by machine methods instead of manually, as in earlier issues. Graphs of critical frequencies and M(3000)F2 will continue to appear. Graphs of percentage of time of occurrence for fEs and virtual heights of the regular ionospheric layers are no longer included. Data on percentage of time of occurrence of fEs above 3, 5, and 7 Mc are available from the CRPL and the IGY World Data Center for Airglow and Ionosphere.

For many years, the tables of ionospheric data appearing in the F series, Part A, listed values of medians recomputed at CRPL. While this practice enforced a certain uniformity, it was subject to some valid criticism for tampering with the original data. The tables and graphs now show the ionospheric data as they are provided by the originating laboratory. Responsibility for the accuracy and reliability of the data rests entirely with the originator.

Medians of data for the U.S. stations are computed in accordance with the recommendations of the World-Wide Soundings Committee. Data will appear in the F series, Part A, only when the complete daily-hourly tabulations have been received by the CRPL or the IGY World Data Center A for Airglow and Ionosphere.

Information on symbols, terminology, and conventions may be found in the "URSI Handbook of Ionogram Interpretation and Reduction, of the World-Wide Soundings Committee," edited by W. R. Piggott and K. Rawer (Elsevier, 1961), which supersedes previous documents. A list of symbols is available from CRPL on request.

The following table contains the latest available information on smoothed observed Zurich sunspot numbers, beginning with the minimum of April 1954. Final numbers are listed through June 1962, the succeeding values being based on provisional data.

Smoothed Observed Zurich Sunspot Number

Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
1954				3	4	4	5	7	8	8	10	12
1955	14	16	19	23	29	35	40	46	55	64	73	81
1956	89	98	109	119	127	137	146	150	151	156	160	164
1957	170	172	174	181	186	188	191	194	197	200	201	200
1958	199	201	201	197	191	187	185	185	184	182	181	180
1959	179	177	174	169	165	161	156	151	146	141	137	132
1960	129	125	122	120	117	114	109	102	98	93	88	84
1961	80	75	69	64	60	56	53	52	52	51	50	49
1962	45	42	40	39	39	38	36	34	32	31	30	

Units of Ionospheric Data Tables

foF2, foEs - - - Tenths of a megacycle
foF1, foE - - - Hundredths of a megacycle
h'F2, h'F, h'E - Kilometers
(M3000)F2 - - - Hundredths

NOTE: Occasionally, when the median falls between two of the observed values, the median is carried an extra decimal place beyond these units. Those cases are easily identifiable by the extra digit appearing to the right of the number, in a column usually left blank.

MED - Median
CNT - Count
UQ - Upper Quartile
LQ - Lower Quartile

WORLD-WIDE SOURCES OF IONOSPHERIC DATA

THE IONOSPHERIC DATA GIVEN IN TABLES 1 TO 100 AND FIGURES 1 TO 100 WERE ASSEMBLED BY THE CENTRAL RADIO PROPAGATION LABORATORY FOR ANALYSIS, CORRELATION AND DISTRIBUTION. THE FOLLOWING ARE THE SOURCES OF THE DATA IN THIS ISSUE:

REPUBLICA ARGENTINA, MINISTERIO DE MARINA
- BUENOS AIRES, ARGENTINA
- TRELEW, ARGENTINA
- TUCUMAN, ARGENTINA

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MACAU

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CHRISTCHURCH, NEW ZEALAND
SCOTT BASE, ANTARCTICA

MANILA OBSERVATORY, PHILIPPINES
BAGUIO, LUZON

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WARSAW, POLAND

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CAPETOWN, UNION OF SOUTH AFRICA
JOHANNESBURG, UNION OF SOUTH AFRICA

UNITED STATES ARMY SIGNAL CORPS., UNITED STATES OF AMERICA
ADAK, ALASKA
OKINAWA I.
THULE, GREENLAND
WHITE SANDS, NEW MEXICO

TABLES OF IONOSPHERIC DATA

April 1962 - January 1960

TABLE 1

ADAK, ALASKA (51.9N, 176.6W) TIME 180.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	38	36	36	33	32	36	42	45	47	49	51	56	58	60	62	61	60	60	58	57	53	52	45	40
	CNT	27	30	28	29	28	30	30	30	30	29	29	30	30	30	30	30	30	30	30	28	29	28	29	28
	UQ	42	40	40	39	37	39	46	49	54	56	60	63	64	67	66	66	66	65	61	61	60	56	50	43
	LQ	32	30	30	29	28	29	37	41	44	45	46	47	52	53	56	56	55	55	53	50	47	45	38	36
h'F2	MED							454	456	418	385	365	346	340	317	300	289	278	250						
	CNT					4	11	22		26	27	24	28	29	23	27	19	13	11	4					
	UQ						467	520		500	456	471	422	385	350	320	300	292	263						
	LQ						385	385		330	340	324	329	296	299	275	275	293	247						
h'F	MED	280	284	284	285	E 288	268	242	230	220	215	210	202	U 207	204	210	214	219	229	236	235	237	245	246	268
	CNT	30	30	30	29	30	30	30	30	30	29	28	24	24	28	30	30	29	27	29	29	27	30	30	30
	UQ	294	300	300	300	315	290	255	237	245	222	218	215	225	215	213	223	226	235	245	242	246	247	260	283
	LQ	265	273	275	270	268	255	225	219	215	210	203	194	193	196	200	208	215	225	230	224	225	227	237	254
M(3000)F2	MED	285	280	280	280	280	295	285	275	290	290	300	305	310	315	325	325	330	335	340	325	310	315	305	290
	CNT	24	22	26	24	27	30	30	29	28	28	24	28	30	30	29	30	30	30	30	28	27	27	23	24
	UQ	300	295	295	290	300	305	310	320	310	310	320	315	320	325	330	335	340	345	340	330	315	320	315	300
	LQ	280	275	275	275	270	275	260	255	260	270	260	270	290	300	310	315	320	325	330	320	305	305	300	280
foF1	MED							340	370	400	410	430	440	440	430	430									
	CNT					3		9	20	22	27	25	24	23	16	15	3								
foE	MED						170	215	255	285	310	320	330	330	325	300	295	270	230	195	145				
	CNT						14	20	28	27	25	20	26	18	17	15	22	23	25	22	5				
h'E	MED						130	110	106	104	102	102	102	101	102	103	104	105	110	115	130				
	CNT						17	28	30	29	29	29	30	30	30	29	28	28	26	23	7				
foEs	MED					14					32	34	35	35	35	34	30			20	16	20	17	15	
	CNT	13	14	13	14	15	26	30	39	30	300	29	30	30	30	30	30	30	30	30	22	10	10	14	13

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. APRIL, 1962

TABLE 3

THULE, GREENLAND (76.0N, 68.8W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 26	28	31	30	U 27	28	29	36	U 37	42	42	46	U 41	42	45	44	U 48	44	40	38	U 33	329	30	33
	CNT	18	12	14	9	13	8	12	12	16	22	16	18	17	19	20	16	12	16	10	12	12	12	8	5
	UQ	34	36	38	38	33	36	34	44	42	52	52	49	48	48	52	53	50	48	47	44	42	36	33	36
	LQ	23	25	25	26	21	23	24	34	27	35	36	38	38	37	40	41	32	28	27	30	26	28	28	20
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	251	255	252	258	259	258	253	240	240	240	240	240	248	245	249	246	239	240	252	242	250	248	260	265
	CNT	23	21	22	18	23	20	25	24	25	24	24	24	24	25	25	27	24	25	32	20	21	22	23	17
	UQ	278	272	270	280	280	288	275	276	263	254	249	253	255	258	254	255	260	259	280	280	278	270	280	295
	LQ	240	235	239	239	240	238	232	229	232	226	228	228	236	239	238	231	230	230	230	234	241	230	242	249
M(3000)F2	MED	U	U	U	U	U 300		U	U 305	U 315	U 325	U 325	U 325	U 325	U 315	U 320	U 315	U 310	U 310	U 310	U 290	U 300	U 310	U 310	U 305
	CNT					11	4	8	12	14	21	15	16	17	17	17	15	10	10	8	8	10	10	6	5
	UQ					309		320	325	325	335	340	330	330	330	330	325	320	320	320	305	315	315	315	310
	LQ					285		300	310	300	315	315	320	310	300	310	310	300	300	290	280	300	295	285	290
foF1	MED																								
	CNT																								
foE	MED														U 180										
	CNT									1		1	2	3	5	2									
h'E	MED																								
	CNT								1	3	3	1	3	3	3	3	3								
foEs	MED																								
	CNT									26	25	27	28	27	27	27	28	23	28		265	226			
																		27	28	26	24		24	26	26

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. FEBRUARY, 1962

TABLE 2

REYKJAVIK, ICELAND (64.1N, 21.8W) TIME 15.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 30	U 23	U 23	D 24	U 30	U 26	U 26	U 22	U 21	28	38	48	53	54	54	U 515	D 445	43	345	28	28	285	28	D 315
	CNT	1	1	2	6	5	5	7	5	5	24	27	29	29	27	25	24	22	17	16	9	3	2	3	2
	UQ				28	33	30	28	34	27	33	44	54	57	59	59	56	52	46	40	33	32		28	
	LQ				23	28	23	24	20	19	23	36	43	47	52	48	47	38	32	30	25	27		27	
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED				E 340	U 320	E 300	E 300			U 250	225	220	220	220	220	220	230	E 2375	235	E 2675				
	CNT	1	1	3	6	7	6	9	3	4	24	27	29	29	26	25	27	25	20	15	10	3	4	3	2
	UQ				360	350	310	305			260	235	230	230	225	230	230	240	250	250	280				
	LQ				320	300	280	295			230	220	210	215	210	215	215	220	225	230	250				
M(3000)F2	MED							U 320			330	350	350	360	360	350	U 360	340	340	U 340					
	CNT	1	1	2	2	3	3	5	3	2	24	25	27	26	22	20	19	14	11	9	4	1	1	1	1
	UQ							320			340	350	360	365	370	360	360	350	350	350					
	LQ							310			320	340	350	350	350	350	345	330	330	340					
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																2								
h'E	MED																								
	CNT																2								
foEs	MED	40	39	38	345				U 24												U 285	355	31	38	
	CNT	14	14	13	14	10	10	11	7	5	240	27	29	29	26	26	29	28	24	19	16	8	15	13	11

SWEEP 1.0 MC TO 25.0 MC IN 16.2 SECONDS. JANUARY, 1962

TABLE 4

WHITE SANDS, NEW MEXICO (32.3N, 106.5W) TIME 105.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	30	32	32	32	31	29	28	41	58	66	72	72	76	78	74	71	65	54	38	24	28	27	28	32
	CNT	28	26	27	28	29	28	27	30	30	31	30	30	29	29	31	31	31	31	30	29	25	29	26	26
	UQ	35	36	37	38	38	34	31	47	64	71	78	80	90	86	80	80	72	59	44	36	32	32	32	34
	LQ	27	29	29	29	29	26	24	38	56	60	65	65	70	68	68	65	59	51	33	26	24	24	24	27
h'F2	MED										270	267	270	269	278	269	254								
	CNT									2	4	25	25	26	22	18	13								
	UQ										290	290	282	290	290	282	265								
	LQ										258	258	262	260	260	260	248								
h'F	MED	E 300	U 284	U 280	E 270					270	270	E 285	254	E 241	245	238	226	E 226	225	231	236	E 240	230	234	248
	CNT	29	30	30	30					30	29	30	31	31	31	30	31	30	30	30	30	31	31	30	31
	UQ	316	304	300	289					286	298	325	260	245	254	245	234	235	230	240	242	244	240	245	265
	LQ	275	277	269	269					252	252	273	247	239	235	228	220	215	215	220	233	235	228	230	235
M(3000)F2	MED	285	295	300	310					310	305	295	310	340	340	335	330	320	315	340	330	330	335	320	325
	CNT	27	24	24	24					26	27	25	30	30	31	30	29	29	28	31	31	31	31	29	27
	UQ	300	305	310	320					320	320	310	330	350	365	345	340	340	325	335	340	340	340	330	325
	LQ	279	290	290	300					290	285	285	310	335	330	320	310	310	310	315	315	315	325	315	310
foF1	MED													420											
	CNT													6											
foE	MED													225	270	290	310	320	315	300	280	230			
	CNT								2					16	16	13	10	13	17	21	20	11	1		
h'E	MED													124	115	115	115	118	119	E 120	122	U 128			
	CNT								2					25	24	27	27	30	28	28	26	24	2		
foEs	MED	26	26	24		24	25	U 32				29	32	34	34	35	31	23		31	38	33	30	28	30
	CNT	16	15	15	14	11	11	9	22	41	310	30	31	30	30	31	31	31	29	17	21	22	19	19	20

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. DECEMBER, 1961

TABLE

OKINAWA I. 26.3N, 127.8E TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	39	36	35	36	55	U 47	D 25	51	72	80	90	100	97	108	119	110	D 95	84	72	64	61	66	44	D 34
	CNT	30	30	30	29	30	28	24	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	-
	UQ	43	43	42	39	38	30	28	34	82	84	100	109	124	140	132	119	111	95	83	81	75	70	56	46
	LQ	32	32	32	32	31	26	24	43	66	75	82	94	73	96	104	100	84	69	60	61	51	47	44	32
h' F2	MED									U 233	244	260	258	262	273	260	249	245							
	CNT									7	25	25	29	24	26	29	27	27	1						
	UQ									244	262	269	265	270	294	271	253	241							
	LQ									230	240	250	244	255	254	254	243	229							
h' F	MED	F 281	276	262	243	231	E 250	E 315	238	231	229	E 228	U 227	U 219	U 218	U 220	E 223	E 234	221	U 214	219	232	230	241	263
	CNT	30	30	30	28	30	27	24	30	30	30	24	28	27	29	29	28	27	26	30	30	30	30	30	29
	UQ	310	300	293	262	254	270	345	247	238	230	236	238	234	242	246	235	243	226	224	227	243	247	263	291
	LQ	268	258	248	237	219	225	295	240	228	228	220	220	208	205	208	219	228	218	207	209	222	221	224	260
M(3000)F2	MED	300	300	310	330	350	330	290	340	310	350	340	340	320	320	330	330	340	340	340	320	315	320	325	310
	CNT	24	24	24	29	30	24	16	30	30	30	30	30	29	29	29	28	26	25	28	27	27	27	26	21
	UQ	310	320	326	340	360	360	300	345	308	355	350	350	340	340	340	340	350	360	350	340	330	330	330	315
	LQ	280	290	290	310	325	310	290	335	295	290	330	330	310	310	320	320	340	330	330	320	295	305	310	300
fo F1	MED											1		1											
	CNT																								
fo E	MED																								
	CNT								1	4	2	1	1		1	1	2	1							
h' E	MED									U 119	117	E 115	110				E 118								
	CNT								2	9	7	6	6	4	2	4	7	1							
fo Es	MED										D 47	34	39	D 38	40	37	33	D 27							
	CNT	26	28	24	3	30	27	17	26	30	290	33	33	29	30	29	30	30	19	17	29	28	28	25	22

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. NOVEMBER, 1961

TABLE

BUENOS AIRES, ARGENTINA 34.5S, 58.5W TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	38	34	38	37	32	31	32	35	65	73	76	84	84	110	92	86	75	80	71	54	52	47	42	37
	CNT	24	23	25	23	24	18	20	24	30	27	26	27	25	22	17	28	27	27	28	27	26	27	27	25
	UQ																								
	LQ																								
h' F2	MED									U 245	260	270	260	270	280	270	250	235							
	CNT									4	14	20	26	29	21	27	20	13							
	UQ																								
	LQ																								
h' F	MED	310	300	290	270	235	275	270	235	230	230	220	210	200	205	205	230	230	230	220	220	240	240	260	290
	CNT	25	25	27	26	25	19	19	22	17	21	12	12	12	7	9	19	24	27	29	25	27	27	28	24
	UQ																								
	LQ																								
M(3000)F2	MED	275	280	295	310	335	310	310	340	345	340	330	345	325	330	340	340	340	335	335	325	310	315	300	275
	CNT	20	20	23	23	22	16	20	24	20	27	25	25	24	15	18	25	24	23	25	22	23	23	24	23
	UQ																								
	LQ																								
fo F1	MED												U 430	U 460	U 450	U 460	U 460	U 310							
	CNT												2	2	3	1	1	1							
fo E	MED								220	240	U 300	U 280				U 300	310	280	210						
	CNT								12	12	3	1				3	5	10	12						
h' E	MED								161	119	119	119	115	115	115	119	119	121	149						
	CNT								8	12	25	22	23	20	17	18	16	14	5						
fo Es	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. AUGUST, 1961

TABLE

QUENOS AIRES, ARGENTINA 34.5S, 58.5W TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	50	49	53	49	38	32	50	63	73	80	84	94	105	108	110	100	94	90	84	70	64	58	56	54
	CNT	22	19	21	17	16	16	17	19	21	21	21	25	24	24	22	25	26	24	25	23	25	25	21	21
	UQ																								
	LQ																								
h' F2	MED									260	280	290	290	300	290	275	270	260	U 240						
	CNT									9	17	20	22	25	22	23	23	23	4						
	UQ																								
	LQ																								
h' F	MED	300	300	290	250	230	270	245	245	230	230	230	210	200	225	210	225	230	240	230	230	240	260	280	300
	CNT	22	22	22	17	17	17	18	18	19	17	6	9	6	7	7	17	21	24	26	26	23	26	25	23
	UQ																								
	LQ																								
M(3000)F2	MED	275	270	280	310	320	290	325	340	330	330	325	315	310	320	330	330	330	330	330	320	285	290	290	275
	CNT	21	18	21	17	16	16	17	19	20	20	21	22	21	22	20	24	25	24	21	18	21	24	20	20
	UQ																								
	LQ																								
fo F1	MED										U 460	U 470	470	470	U 450	U 390		U 360							
	CNT										1	1	6	6	1	1		1							
fo E	MED							210	260	310	U 330					U 350	320	U 285	230						
	CNT							9	9	5	3					1	5	4	8						
h' E	MED							U 151	121	119	117	115	117	119	117	119	115	121	U 119						
	CNT							2	5	17	18	14	16	9	6	15	19	15	4						
fo Es	MED																								
	CNT																								

SWEEP 1.0 MC T. 25.0 MC IN 27 SECONDS. SEPTEMBER, 1961

TABLE

DJIBOUTI, FRENCH SOMALILAND 11.6N, 43.2E TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	54	46	U 56	U 46	45	40	51	72	84	88	86	86	85	86	88	94	94	D 97	U 106	U 74	80	D 78	65	58
	CNT	9	6	3	4	6	8	24	23	24	21	24	22	23	20	19	16	11	4	2	1	5	3	15	8
	UQ																								
	LQ																								
h' F2	MED									U 295	U 350	U 375	408	430	410	410	395	345	U 345						
	CNT									3	3	3	12	13	20	11	11	5	2						
	UQ																								
	LQ																								
h' F	MED	330	320	U 330	U 350	280	248	270	250	240	230	235	230	220	218	220	225	232	250	270	295	292	288	315	320
	CNT	14	9	4	3	7	13	30	29	28	23	23	21	23	20	21	25	26	24	24	25	20	18	18	13
	UQ																								
	LQ																								
M(3000)F2	MED	264	250	U 240	U 260	U 288	320	310	315	305	280	250	235	235	235	235	232	230	U 250	U 280		U 260	U 255	255	298
	CNT	6	4	3	3	4	7	24	21	43	21	24	21	23	29	19	14	10	1	1		3	1	14	8
	UQ																								
	LQ																								
fo F1	MED										U 470	U 470	400	430	500	500	U 480								
	CNT										1	3	12	14	15	9	3								
fo E	MED						E 1	E 25	240	240	325	350	360	370	365	350	340	320	280	205	E 5				
	CNT								20	23	21	20	23	25	21	19	16	13	10	5	5				
h' E	MED						E 1	E 27	120	110	112	108	105	U 102	U 105	U 115	120	110	120	E 6	E 4				
	CNT								15	13	10	6	5	2	1	3	5	7	6		5				
fo Es	MED	18	18	18	17	22	18	20	31	43	59	60	63	60	65	63	60	50	48	43	40	22	21	19	18
	CNT	31	31	29	30	28	29	30	30	31	290	31	30	31	30	29	30	30	31	31	29	30	31	30	31

SWEEP 1.25 MC TO 20.0 MC. JULY, 1961

TABLE 9

IBADAN, NIGERIA (7.4N, 3.9E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	58	52	44	42	35	U 30	U 59	84	U 96	101	100	98	93	91	91	93	96	U 102	D 93	D 91	88	70	62	62
	CNT	30	28	25	23	23	24	31	30	31	31	31	30	31	31	31	31	31	31	31	31	31	31	30	31
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	300	300	310	295	285	255	250	240	225	215	205	205	200	200	200	200	205	250	255	295	305	315	320	310
	CNT	30	27	24	24	26	24	30	24	23	28	30	26	25	24	26	24	26	24	30	31	30	30	30	31
	UQ																								
	LQ																								
M(3000)F2	MED	U 290	U 215	305	U 305	U 310	U 315	315	330	315	290	260	255	245	250	255	255	260	260	U 280	U 280	U 280	275	U 280	310
	CNT	2	1	2	5	7	12	20	23	21	29	29	27	29	30	30	30	22	16	9	8	6	1	4	1
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED							190	270	320	350	U 365	U 380	U 380	U 370	U 360	340	U 310	250	180					
	CNT							20	19	20	27	29	26	25	25	27	23	26	19	20					
h'E	MED																								
	CNT																								
foEs	MED	E	E	E	E	18	10	E	53	85	86	89	90	91	90	90	84	55	25	17	E	E	E	E	E
	CNT	30	28	25	26	26	28	31	30	31	310	30	30	30	31	31	31	30	30	31	31	31	31	30	31

SWEEP

JULY, 1961

TABLE 10

JOHANNESBURG, UNION OF S. AFRICA (26.1S, 28.1E) TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	28	27	28	28	27	23	23	48	66	72	82	81	82	82	83	85	84	77	60	39	30	30	31	29
	CNT	29	29	29	29	29	29	29	29	29	30	30	30	30	30	29	29	29	29	29	29	29	29	29	29
	UQ																								
	LQ																								
h'F2	MED									230	240	260	250	270	265	260	250	240							
	CNT									10	14	24	24	25	25	22	18	14							
	UQ																								
	LQ																								
h'F	MED	235	265	240	245	230	230	240	235	225	220	210	210	200	205	200	225	230	225	210	210	230	215	240	235
	CNT	7	5	6	6	8	6	12	24	29	30	28	24	21	22	23	25	26	29	25	16	6	3	6	4
	UQ																								
	LQ																								
M(3000)F2	MED	300	285	290	300	310	310	315	330	345	330	330	325	315	320	320	320	325	335	340	340	315	320	320	310
	CNT	28	26	27	26	26	27	26	27	27	29	29	29	30	30	29	29	29	29	29	29	29	29	29	28
	UQ																								
	LQ																								
foF1	MED									330	390	450	460	470	470	440	430	370							
	CNT									1	2	12	15	9	14	10	5	1							
foE	MED								150	240	290	320	330	340	330	320	300	260	200						
	CNT								13	25	29	27	28	25	24	23	22	22	14						
h'E	MED																								
	CNT																								
foEs	MED	E 12	12	E 11	E 15	11	E 11	E	G	G	33	35	36	38	38	36	32	30	24	18	18	17	16	E 14	E 12
	CNT	29	29	29	29	29	29	29	28	29	290	30	30	28	29	28	28	29	28	29	29	29	28	28	26

SWEEP 1.0 MC TO 16.0 MC IN 7 SECONDS.

JULY, 1961

TABLE 11

CAPETOWN, UNION OF S. AFRICA (34.1S, 18.3E) TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	26	27	28	30	29	28	25	25	48	62	71	72	U 78	U 80	84	U 88	88	80	61	41	31	27	26	26
	CNT	31	31	31	30	30	29	29	29	31	31	31	31	31	30	30	31	31	31	31	31	31	31	31	31
	UQ																								
	LQ																								
h'F2	MED										230	250	260	265	270	265	260	250	245						
	CNT										4	17	24	17	24	21	21	17	9						
	UQ																								
	LQ																								
h'F	MED	225		260						230	230	235	230	225	215	220	220	230	240	230	215	220			
	CNT	1		1						30	31	30	28	13	11	14	15	22	30	29	13	5			
	UQ																								
	LQ																								
M(3000)F2	MED	290	280	280	295	310	320	300	310	340	340	335	325	U 320	U 315	315	U 315	315	310	340	340	330	330	330	285
	CNT	31	31	31	30	29	27	25	24	31	31	31	31	30	29	29	31	31	31	31	31	31	30	30	30
	UQ																								
	LQ																								
foF1	MED											410	440	440	440	440	420								
	CNT											1	1	1	4	3	3								
foE	MED									E 180	230	280	310	310	U 320	U 310	300	260	220	E 180					
	CNT									25	26	30	28	18	16	15	17	15	13	18					
h'E	MED																								
	CNT																								
foEs	MED	E	E	E	E	E	E	E	E	E 19	G	G	U	34	34	35	32	30	G	E	E	E	E	E	E
	CNT	30	31	31	29	30	31	30	30	31	280	30	31	26	24	26	30	29	28	29	31	29	29	31	30

SWEEP 1.0 MC TO 17.0 MC IN 7 SECONDS.

JULY, 1961

TABLE 12

BUENOS AIRES, ARGENTINA (34.5S, 58.5W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	35	38	36	35	32	25	27	45	65	70	82	82	80	88	89	86	74	70	56	56	55	48	44	42
	CNT	23	18	17	20	21	19	13	20	22	22	23	23	23	21	22	26	28	25	25	26	25	23	26	26
	UQ																								
	LQ																								
h'F2	MED										250	250	255	255	260	260	235	230							
	CNT										9	20	23	19	19	18	24	7							
	UQ																								
	LQ																								
h'F	MED	295	300	275	250	255	260	270	250	240	235	230	225	220	210	220	230	235	225	220	235	250	240	240	280
	CNT	23	20	19	22	22	16	9	20	22	19	9	9	6	7	8	15	21	26	23	25	26	24	26	24
	UQ																								
	LQ																								
M(3000)F2	MED	280	280	310	310	330	320	290	330	350	345	350	350	330	340	330	350	340	340	330	325	320	320	310	280
	CNT	20	15	16	16	18	14	10	17	21	21	20	19	21	13	16	22	27	22	23	24	22	23	25	22
	UQ																								
	LQ																								
foF1	MED											U 430	U 440	U 440	U 400										
	CNT											1	2	2	1										
foE	MED								170	250	280	U 320	U 320	U 340	U 325	U 290	275	U 240	U 190						
	CNT								6	9	8	2	2	1	2	3	7	4	1						
h'E	MED							U 161		129	121	119	121	121	119	119	121	U 119	U 145						
	CNT							2		5	16	16	18	19	14	13	11	2	4						
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS.

JULY, 1961

TUCUMAN, ARGENTINA (26.9S, 65.4W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	47	41	38	37	37	34	28	38	65	75	87	90	92	96	102	103	101	105	94	77	67	65	65	56
	CNT	25	22	23	22	20	19	14	17	24	25	24	24	24	18	21	24	18	14	22	22	21	27	23	25
	UQ																								
	LQ																								
h'F2	MED									U 315	320	325	330	335	360	350	335	325	U 315						
	CNT									3	15	25	24	28	22	24	21	15	2						
	UQ																								
	LQ																								
h'F	MED	300	345	375	370	317	315	330	340	300	300	280	280	255	270	250	280	300	300	280	270	285	295	300	300
	CNT	25	25	25	25	24	22	19	24	23	26	12	9	11	11	13	13	19	20	24	24	23	27	27	26
	UQ																								
	LQ																								
M(3000)F2	MED	280	260	260	265	285	280	275	290	295	300	300	300	285	285	280	280	285	290	295	290	275	275	280	290
	CNT	24	22	23	23	21	19	14	15	24	25	23	22	23	18	19	21	15	14	18	19	18	23	21	22
	UQ																								
	LQ																								
foF1	MED										420	450	440	460	460	450	440	U 390							
	CNT										5	17	15	21	15	17	19	2							
foE	MED							U 155		295	290	U 295	U 325	U 340	U 325	U 320	U 285	270	210						
	CNT							1		6	5	4	2	2	4	4	4	5	5						
h'E	MED							U 210		175	190	145	145	135	145	145	145	150	U 230						
	CNT							3		8	11	8	5	4	9	11	6	9	1						
foEs	MED																								
	CNT																								

* SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS.

JUNE, 1961

TABLE 14

MENDOZA, ARGENTINA (34.5S, 68.5W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	22	22	21	21	22	19	24	45	68	68	75	72	77	82	84	81	80	66	64	52	54	48	40	36
	CNT	22	23	24	23	24	10	16	25	25	24	19	23	24	25	23	20	25	28	23	24	23	23	23	21
	UQ																								
	LQ																								
h'F2	MED									U 225	250	250	240	260	260	260	240	U 220							
	CNT									3	8	12	16	21	20	18	19	1							
	UQ																								
	LQ																								
h'F	MED	240	300	270	280	250	235	265	250	230	230	230	225	210	205	220	230	230	200	215	235	235	235	250	260
	CNT	22	18	21	19	21	13	12	23	20	17	11	12	13	10	11	14	23	24	24	20	23	21	20	20
	UQ																								
	LQ																								
M(3000)F2	MED	280	280	275	300	325	330	305	330	350	350	340	350	340	340	340	350	350	340	330	325	330	320	330	325
	CNT	17	18	19	18	18	13	12	20	19	19	12	19	20	18	17	14	18	20	18	19	18	18	19	17
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED								170	250	290	270	U 320	U 310	U 300	U 280	280	230	U 165						
	CNT								6	13	6	5	4	2	3	4	7	9	2						
h'E	MED								U 164	125	121	119	113	117	119	119	116	125	U 109						
	CNT								1	14	16	13	21	22	21	16	13	7	1						
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 7 SECONDS.

JUNE, 1961

TABLE 15

TRELEW, ARGENTINA (43.2S, 65.3W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	26	26	26	26	27	29	24	23	47	D 67	D 48	D 70	71	68	D 76	D 66	61	D 48	34	38	36	30	27	24
	CNT	21	22	21	22	20	19	17	21	12	3	14	5	11	12	6	8	13	13	22	22	24	21	20	22
	UQ																								
	LQ																								
h'F2	MED											U 225	230	225	230	230	220	U 215							
	CNT											2	6	10	14	15	11	4							
	UQ																								
	LQ																								
h'F	MED	310	310	310	305	300	260	230	260	220	210	210	210	215	220	215	215	215	210	220	230	230	240	250	310
	CNT	14	19	22	20	19	19	12	14	20	17	12	11	9	10	10	19	21	21	17	20	20	20	15	15
	UQ																								
	LQ																								
M(3000)F2	MED	270	270	270	275	280	300	300	300	340	U 360		U 340	350	365	U 345	U 350	360	360	310	310	305	310	305	265
	CNT	21	21	20	21	19	18	16	17	6	2		3	9	7	3	5	6	5	15	16	18	18	18	20
	UQ																								
	LQ																								
foF1	MED														U 350	U 320	D 264								
	CNT														1	1	1								
foE	MED									U 165					U 310			U 219							
	CNT									4					4			1							
h'E	MED									151	111	109	105	103	105	105	111	113	U 161						
	CNT									13	13	12	14	9	15	19	13	13	2						
foEs	MED																								
	CNT																								

SWEEP 1.3 MC TO 18.0 MC IN 30 SECONDS.

JUNE, 1961

TABLE 16

INVERNESS, SCOTLAND (57.4N, 4.2W) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	44	46	45	40	40	42	45	51	53	56	58	59	58	58	60	58	59	62	62	62	62	60	60	57
	CNT	22	21	21	22	28	31	31	31	27	31	30	26	30	30	29	31	28	28	30	31	29	26	26	22
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	275	270	270	270	280	280	290	290	285	285	290	290	290	285	290	290	290	290	290	295	295	290	285	275
	CNT	20	14	16	19	26	30	26	26	26	30	28	26	30	30	29	31	25	28	29	26	22	15	15	13
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP

MAY, 1961

TABLE

ATHENS, GREECE 38.0N, 23.6E

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	64	61	60	56	52	50	60	65	68	68	74	81	85	88	7_	84	85	46	80	81	82	74	66	67
	CNT	26	25	26	26	25	25	24	24	29	27	29	27	28	30	30	30	28	27	27	25	27	27	27	26
	UQ	66	64	64	62	56	53	61	74	7_	75	80	85	92	96	96	94	93	88	85	85	84	78	72	70
	LQ	62	56	55	51	47	46	54	60	64	63	69	72	80	83	81	82	76	73	69	76	74	67	62	67
h'F2	MED							340	320	300	310	315	330	320	320	310	300	295	300						
	CNT							2	*	13	17	21	24	25	24	29	25	13	4						
	UQ								320	340	330	355	360	345	345	335	320	320	310						
	LQ								320	271	295	320	320	316	310	300	290	241	225						
h'F	MED	270	280	280	260	255	275	240	210	225	220	210	210	210	220	230	230	240	250	260	250	240	E 240	E 244	E 280
	CNT	27	26	26	26	25	25	24	24	27	28	29	27	26	30	30	34	28	28	27	26	27	25	27	27
	UQ	305	290	290	280	260	290	250	240	235	230	228	220	215	240	245	245	250	265	270	260	250	265	280	310
	LQ	270	280	275	260	240	260	240	225	210	210	210	190	190	200	210	220	225	215	250	240	230	240	248	240
M(3000)F2	MED	272	270	272	278	280	280	304	307	306	300	287	285	287	288	289	296	301	305	305	301	303	296	292	277
	CNT	28	29	26	26	28	27	24	24	28	27	29	27	28	30	29	30	28	27	27	24	26	27	29	25
	UQ	279	280	282	285	288	292	313	330	321	311	298	291	296	294	297	304	307	311	310	310	311	303	298	294
	LQ	264	261	265	269	272	272	290	292	294	283	268	275	275	281	281	283	296	295	299	296	289	285	277	267
foF1	MED							353	410	450	468	480	485	502	500	490	472	462	435						
	CNT							2	3	12	18	20	24	24	24	28	25	14	5						
foE	MED						130	188	240	293	300	337	350	360	365	350	347	320	290	242	170	U 125			
	CNT						3	22	24	30	26	30	27	30	30	30	31	24	30	29	13	1			
h'E	MED						123	113	107	105	102	100	105	105	105	105	107	108	107	111	117	119			
	CNT						3	23	25	20	20	31	24	20	31	31	21	24	32	29	14	2			
foEs	MED	J 24	J 21	19	13	13	14	22	30	29	42	39	42	43	48	47	48	34	42	33	44	J 34	J 34	J 32	J 32
	CNT	26	26	26	24	2	26	25	27	2	30	2	28	27	31	31	31	24	32	24	24	24	28	26	27

SWEEP 1.0 MC TO 20.0 MC IN 40 SECONDS.

MAY, 1961

TABLE 18

TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED				U 45	42	51	54	72	85	90	90	88	90	90	90	D 91	U 106						O 67	
	CNT				1	11	13	21	11	22	21	15	20	18	15	10	7	1						1	
h'F2	MED										U 318	328	340	350	340	328	318	U 325							
	CNT										4	6	20	13	14	14	8	4							
h'F	MED	U 265	U 252	U 242	225	211	210	248	230	223	220	210	200	200	200	200	205	210	238	250	280	290	310	320	330
	CNT	3	4	4	11	14	20	30	29	25	23	19	21	22	20	23	24	22	26	27	30	15	15	9	5
M(3000)F2	MED					332	330	320	320	300	280	250	250	250	250	250	U 275	U 285							
	CNT					8	11	21	7	15	15	9	14	14	13	7	2	1							
foF1	MED								U 490	490	490	490	490	480	490										
	CNT								3	11			11	6	6										
foE	MED					E	E	E	240	295	330	350	360	370	370	350	338	300	U 270	U 180	E				
	CNT					1	2	25	21	21	17	17	10	11	8	10	14	10	1	3	6				
h'E	MED					E	E	E	110	110	U 108	U 110	U 102	U 100	U 105	105	110	110		E	E				
	CNT					1	2	27	10	6	2	3	2	3	3	5	9	5		3	6				
foEs	MED	22	23	23	22	21	21	32	48	57	63	78	75	76	77	65	61	60	57	43	34	20	19	19	19
	CNT	30	31	31	31	31	1	31	31	30	30C	30	30	30	29	31	31	31	30	30	30	30	31	29	29

SWEEP 1.0 MC TO [illegible] MC.

MAY, 1961

TABLE

IBADAN, NIGERIA 7.4N, 3.4E

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	70	55	48	42	40	28	62	85	95	103	106	108	110	102	102	103	U 105	O 104	O 101	O 92	O 97	80	88	83
	CNT	24	25	25	26	25	26	26	27	27	27	25	28	27	27	25	26	27	27	25	26	24	24	[illegible]	24
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	300	295	260	255	250	250	250	240	225	215	210	200	210	200	200	200	220	230	260	275	305	305	315	305
	CNT	26	26	26	26	24	25	24	26	24	27	24	27	23	24	22	24	24	24	24	27	25	24	24	24
	UQ																								
	LQ																								
M(3000)F2	MED	U 305	315	U 315	U 305	295	U 295	325	325	315	300	285	285	255	255	255	255	J 240	J 266	E 270	244	240	U 275	278	240
	CNT	1	1	4	7	11	19	15	15	24	26	24	27	26	26	24	25	23	4	4	6	7	7	3	9
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED							260	275	320	350	360	370	380	370	350	333	247	242	190					
	CNT							24	24	24	30	24	27	23	24	21	23	21	19	17					
h'E	MED																								
	CNT																								
foEs	MED	C	E	E	E	E	E	14	32	35	44	40	40	40	35	26	24	21	24	17	F	E	14	F	F
	CNT	26	26	26	24	25	26	26	27	27	30	25	28	27	27	26	24	23	27	25	24	24	25	25	25

SWEEP

MAY, 1961

TABLE 24

TUCUMAN, ARGENTINA 26.9S, 65.4W

TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	3[illegible]	3[illegible]	46	40	43	47	50	46	64	84	97	105	105	117	124	120	124	113	105	87	79	76	74	59
	CNT	[illegible]	[illegible]	24	23	45	14	17	19	20	14	23	21	19	22	21	21	20	19	18	22	21	22	21	22
	UQ																								
	LQ																								
h'F2	MED										315	[illegible]	320	340	[illegible]	340	330	310							
	CNT										[illegible]	1M	20	14	21	20	17	14							
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	240	240	240	230	270	265	285	285	280	290
	CNT	21	21	21	21	21	19	1M	20	20	1M	1M	17	19	16	15	14	17	20	21	20	22	23	23	22
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	302	[illegible]	[illegible]	288	[illegible]	[illegible]	[illegible]	290	295	300	295	270	285	290	285
	CNT	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1M	[illegible]	[illegible]	14	[illegible]	[illegible]	[illegible]	21	18	17	20	22	20	2M	22
	UQ																								
	LQ																								
foF1	MED										J 412	440	4M0	4M0	4M0	4M0	400								
	CNT											12	17	17	13	15	[illegible]								
foE	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	U [illegible]	[illegible]	[illegible]	[illegible]	280	232	U 130					
	CNT								14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10	6	1					
h'E	MED								[illegible]	147	125	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	145	U 115	E 134					
	CNT								5	14	17	14	[illegible]	[illegible]	[illegible]	17	[illegible]	10	4	1					
foEs	MED																								
	CNT																								

[illegible] MC TO [illegible] MC IN [illegible] SECONDS.

MAY, 1961

[illegible] AIRES, ARGENTINA (34.5S, 58.5W) TIME [illegible].0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	36	36	34	31	27	52	58	75	[illegible]	[illegible]	58	[illegible]	[illegible]	[illegible]	80	[illegible]	55	54	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	16	16	14	18	14	13	12	14	[illegible]	[illegible]	14	17	[illegible]	[illegible]	[illegible]	[illegible]	23	21	15	15	14	[illegible]	[illegible]	13
	UQ																								
	LQ																								
h'F2	MED										250	260	250	260	[illegible]	[illegible]	240	U [illegible]							
	CNT										8	17	18	1	1	1	21	3							
	UQ																								
	LQ																								
h'F	MED	[illegible]	245	280	280	245	[illegible]	280	235	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	220	235	230	230	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	295
	CNT	15	16	14	18	21	14	8	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13	13	16	22	22	[illegible]	17	13	24	24	18
	UQ																								
	LQ																								
M(3000)F2	MED	280	275	290	300	320	300	[illegible]	340	350	350	340	340	330	340	345	350	355	350	335	320	[illegible]	[illegible]	310	295
	CNT	16	15	18	17	17	11	[illegible]	13	14	14	12	17	15	11	9	13	20	18	13	16	18	21	21	13
	UQ																								
	LQ																								
foF1	MED												U 420	U [illegible]	U [illegible]	U [illegible]									
	CNT												3	3	1	1									
foE	MED								210	240	U 320				U [illegible]	U [illegible]	260	230	U 250						
	CNT								5	3	3				1	2	7	8	1						
h'E	MED								U 171	119	119	115	115	119	119	119	119								
	CNT								1	12	14	14	16	12	1	12	6								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 7 SECONDS. MAY, 1961

[illegible] (14?.2?, 65.?W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	12	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	32	42	28	32	58	72	[illegible]	U 90	94	G 86	74	73	71	56	40	38	34	34	30	30
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	22	13	20	18	4	7	11	4	11	13	11	1?	[illegible]	7	15	16	1?	[illegible]	19	22
	UQ																								
	LQ																								
h'F2	MED										220	220	240	250	230	230	[illegible]	U [illegible]							
	CNT										5	9	12	17	16	12	1?	4							
	UQ																								
	LO																								
h'F	MED	[illegible]	310	300	[illegible]	285	285	[illegible]	240	210	215	210	210	205	200	200	210	210	205	215	230	230	245	290	300
	CNT	16	22	[illegible]	18	14	20	17	14	18	13	13	14	14	16	14	16	14	18	12	15	16	16	16	15
	UQ																								
	LO																								
M(3000)F2	MED	265	265	275	280	280	[illegible]	[illegible]	300	U 330	U 360	350	U 345	340	U 340	340	360	U 355	350	320	320	320	300	280	265
	CNT	24	25	24	22	22	19	17	18	4	4	8	5	6	5	7	7	5	6	12	12	16	20	19	22
	UQ																								
	LO																								
foF1	MED										U 220	U 340		U 360	U 360	U 340	U 310								
	CNT										1	[illegible]		2	1	1	1								
foE	MED								U	U 230	U 23?	U 270		U 230	U 300	U 280	U 250		U 165						
	CNT								5	6	3	1		2	5	3	3		1						
h'E	MED									141	105	101	1?1	101	101	101	105	105	U 99						
	CNT									15	13	16	20	15	1?	16	16	9	1						
foEs	MED																								
	CNT																								

SWEEP 1.3 MC TO 18.0 MC IN 30 SECONDS. MAY, 1961

FALKLAND IS. (51.7S, 57.8W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	28	29	28	28	28	30	29	34	57	58	74	74	76	72	64	65	44	39	36	26	25	26	27	28
	CNT	23	25	26	26	26	21	19	18	11	11	11	20	16	13	18	14	12	16	13	17	20	24	22	17
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LO																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	260	265	280	280	280	315	300	320	375	355	360	370	360	385	370	380		330	425	325	280	285	270	265
	CNT	5	6	6	8	8	3	6	1	4	3	4	9	7	6	11	4		8	3	3	3	5	6	5
	UQ																								
	LQ																								
foF1	MED									310						270									
	CNT									1						1									
foE	MED						E	E	E	250		250	260	275	260	250	135	E	E						
	CNT						1	3	11	1		3	3	3	1	5	6	H	4						
h'E	MED																								
	CNT																								
foEs	MED	E	16	E	E	E	E	E	E	25	27	J 28	28	28	26	25	20	[illegible]	J 18	16	E	E	[illegible]	[illegible]	E
	CNT	26	25	21	21	21	28	24	24	27	280	23	26	23	26	23	24	23	26	24	24	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP MAY, 1961

TABLE 24

[illegible], GERMANY (54.6N, 13.4E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	45	42	40	38	34	37	45	51	57	63	63	65	67	68	70	69	68	68	68	71	68	60	55	48
	CNT	24	26	24	25	27	27	27	28	27	25	26	27	27	27	27	27	26	26	26	27	24	24	25	25
	UQ																								
	LQ																								
h'F2	MED							400	375	370	330	340	380	330	310	300	310	300	300						
	CNT							[illegible]	4	12	18	21	23	24	23	21	17	9	5						
	UQ																								
	LQ																								
h'F	MED	300	[illegible]	[illegible]	250	290	275	250	240	230	220	220	215	215	220	225	225	230	240	250	250	245	250	260	280
	CNT	27	27	27	27	26	27	26	28	28	26	25	26	26	25	25	26	25	25	25	28	28	26	27	27
	UQ																								
	LQ																								
M(3000)F2	MED	27?	270	[illegible]	265	27?	300	305	310	300	300	305	300	295	300	300	305	305	310	300	305	300	290	285	270
	CNT	24	[illegible]	[illegible]	24	25	26	27	27	26	25	25	25	26	26	26	25	23	25	25	24	24	24	23	24
	UQ																								
	LQ																								
foF1	MED								410	430	450	450	470	470	470	470	460	430	350						
	CNT								5	11	20	18	20	20	19	15	11	5	1						
foE	MED						U 140	215	245	280	300	325	335	340	330	325	U 305	290	U 260	230	185				
	CNT						16	17	21	17	18	19	21	16	15	14	15	20	23	22	4				
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	1?	11	11	12	[illegible]	[illegible]	[illegible]	G	G	3?	G	G	G	G	G	G	G	21	21	21	20	20	26
	CNT	[illegible]	[illegible]	12	16	11	16	24	27	26	240	25	27	26	25	23	[illegible]	26	25	26	15	5	3	5	2

SWEEP 0.5 MC TO 2?.0 MC IN [illegible] SECONDS. APRIL, 1961

WARSAW, POLAND (52.2N, 21.0E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	43	42	40	38	35	42	50	53	66	67	68	70	75	74	72	71	71	70	72	70	U 65	58	50	47
	CNT	23	22	24	25	25	24	23	23	23	25	25	23	23	25	25	25	23	24	25	25	25	25	24	24
	UQ	48	46	42	40	38	44	53	60	68	72	74	75	78	78	78	75	76	74	77	74	69	60	54	50
	LQ	41	40	36	32	30	36	43	47	54	54	53	53	65	68	68	65	66	65	64	64	62	52	48	43
h'F2	MED									345	345	345	345	340	340	340	495								
	CNT								3	11	15	19	19	18	16	15	5								
	UQ									385	345	320	340	325	335	320	310								
	LQ									290	295	285	300	295	295	285	280								
h'F	MED	E 300	E 295	E 290	U 265	E 270	250	240	245	240	240	240	245	250	245	250	250	255	245	250	U 245	E 250	E 250	E 270	E 290
	CNT	22	22	24	25	25	24	23	23	25	25	25	24	23	25	24	25	24	24	25	25	25	25	24	24
	UQ	305	300	295	285	290	265	245	240	260	260	255	265	260	265	260	255	260	250	250	250	250	265	280	305
	LQ	290	280	275	265	280	250	235	220	245	245	230	240	230	230	230	230	240	240	240	240	240	245	255	280
M(3000)F2	MED	265	265	270	275	285	310	310	310	310	305	300	300	305	310	305	310	310	310	305	295	295	285	280	270
	CNT	20	20	20	22	20	22	24	23	22	20	23	22	23	25	25	25	21	21	23	21	18	21	22	21
	UQ	275	270	275	285	290	315	330	335	335	335	310	310	310	315	315	320	315	315	310	305	305	295	290	275
	LQ	265	265	265	270	275	305	305	300	295	295	295	295	290	295	300	305	305	305	300	285	290	275	270	265
foF1	MED									U 420	U 440	U 460	U 470	U 470	U 470	U 470	U 420								
	CNT								3	8	14	15	14	14	13	10	5								
foE	MED	E	E		E	F														U	E				
	CNT	3	6	4	6	10	11	10	12	12	12	10	10	10	11	13	14	11	12	270 12	14		1		4
h'E	MED						E																		
	CNT				1	1	129 4	111 13	105 13	103 13	104 14	103 25	103 24	103 19	103 19	103 11	103 7	105 14	108 17	4					
foEs	MED	E 16	E	E	E	E	F	G	G	A	41	A		C	C	E	C	C	-	14	16	E 16	E 16	E 16	E 16
	CNT	23	24	24	25	23	23	24	23	24	22	24	24	22	23	24	23	19	19	19	15	18	17	24	24

SWEEP 1.0 MC TO 18.0 MC IN 20 SECONDS.

APRIL, 1961

TABLE 26

LEHMAN, GERMANY (51.6N, 10.1E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	471	447	427	384	355	414	445	545	588	616	65	683	702	706	705	72	716	715	718	738	693	618	571	495
	CNT	27	24	27	27	25	27	24	30	30	29	29	30	30	30	30	29	30	30	30	30	30	30	26	27
	UQ																								
	LQ																								
h'F2	MED							443	373	345	331	321	333	320	315	314	300	245	282						
	CNT							1	3	8	16	21	21	21	20	24	16	12	4						
	UQ																								
	LQ																								
h'F	MED	290	290	286	280	276	279	263	240	231	222	218	214	218	220	225	228	230	236	244	250	242	244	254	279
	CNT	10	30	29	29	29	30	30	30	30	29	28	29	30	29	29	27	30	30	29	29	30	30	28	30
	UQ																								
	LQ																								
M(3000)F2	MED	272	267	270	273	275	286	304	313	303	303	302	294	300	297	303	301	307	310	307	306	303	290	284	272
	CNT	26	24	25	24	23	24	29	30	30	29	29	30	30	30	30	28	30	30	30	30	30	28	25	26
	UQ																								
	LQ																								
foF1	MED							340	330	416	449	460	467	470	475	473	455	434	410						
	CNT							1	3	8	16	21	21	21	20	24	15	12	4						
foE	MED						E	176	230	270	298	314	333	335	328	341	307	287	263	220	E 120	E			
	CNT						15	20	27	25	26	21	17	14	15	23	19	24	29	25	6	14			
h'E	MED						E	E	114	108	107	104	104	107	107	105	106	107	107	113	E	E			
	CNT						18	22	25	29	26	29	25	24	24	16	12	8	12	10	17	16			
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN ~ MINUTES.

APRIL, 1961

TABLE

SLOUGH, ENGLAND (51.5N, 0.6W) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	47	44	41	38	35	36	45	53	57	61	63	65	66	64	70	71	70	72	74	72	66	60	52	50
	CNT	26	25	27	26	27	27	24	24	29	29	29	29	30	29	30	30	30	33	29	28	26	27	28	26
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	270	270	265	270	275	305	315	312	309	306	315	315	312	313	310	310	311	310	311	315	305	295	275	270
	CNT	26	25	26	25	27	27	28	29	27	27	25	24	30	27	30	30	28	28	28	28	25	24	25	26
	UQ																								
	LQ																								
foF1	MED							220	390	430	440	447	440	450	460	470	451	410							
	CNT							3	4	7	16	17	14	14	17	17	7	4							
foE	MED							140	200	240	275	300	330	330	335	340	315	290	250	205	170				
	CNT							19	24	28	24	17	27	30	28	28	30	24	24	24	7				
h'E	MED																								
	CNT																								
foEs	MED	E 10	G 9	E 10	10	E 10	G 20	G 26	G 29	C 24	30	32	F 40	C 28	F 30	F 30	F 30	F 28	G 30	G 33	17 45	E 17	E 17	F 17	E 17
	CNT	17	25	27	29	21	20	26	29	24	25	24	40	28	30	30	30	28	30	33	45	28	19	24	24

SWEEP

TABLE 28

NORBEK, BELGIUM (50.4N, 4.6E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	44	40	38	36	33	37	48	54	57	64	66	67	70	72	71	70	72	72	72	70	65	56	48	44
	CNT	24	24	24	24	23	23	24	23	22	24	24	26	24	23	24	23	24	24	24	23	23	23	24	24
	UQ	48	47	46	44	38	42	52	57	64	70	72	74	77	77	77	77	78	78	78	79	68	60	50	50
	LQ	40	39	38	36	29	33	44	50	52	58	61	64	64	66	66	67	67	66	66	66	58	50	45	42
h'F2	MED							340	345	335	300	305	310	312	310	300	290	288	275	275					
	CNT							3	9	18	18	24	24	22	21	24	21	18	6	1					
	UQ							370	395	390	360	350	325	325	320	325	310	300	290						
	LQ							320	300	285	285	290	290	295	295	288	270	270	270						
h'F	MED	250	240	230	225	270	260	244	230	220	214	218	214	214	220	228	225	230	244	250	242	249	250	270	295
	CNT	24	24	27	28	25	25	30	45	24	23	25	26	24	23	24	21	24	24	24	24	25	25	25	25
	UQ	310	300	300	300	295	275	250	240	230	225	224	220	224	230	235	230	240	249	254	250	258	258	296	300
	LQ	288	285	285	285	250	250	230	220	210	205	210	200	205	210	220	220	228	240	248	239	240	242	260	282
M(3000)F2	MED	290	280	280	280	275	275	305	310	310	315	315	315	312	315	315	315	312	315	315	315	310	300	285	280
	CNT	24	24	24	24	23	23	24	23	23	22	24	26	24	23	24	23	24	24	24	22	23	23	23	23
	UQ	300	295	290	290	295	295	305	310	315	320	325	325	325	325	325	325	328	328	330	325	320	315	290	290
	LQ	270	265	270	270	275	280	300	300	300	300	302	305	302	305	308	310	312	315	315	315	300	295	280	275
foF1	MED							395	395	405	445	450	440	450	450	450	450	420							
	CNT							5	7	13	13	14	16	15	12	13	7	5							
foE	MED							130	145	180	305	325	340	330	330	320	295	265	220	170	132				
	CNT							1	21	14	17	14	12	17	20	22	21	23	21	15	6				
h'E	MED							133	115	113	113	111	109	111	107	109	111	111	117	123	124				
	CNT							1	24	24	25	24	24	24	24	24	24	24	23	19	3				
foEs	MED	E 11	14	12	F	E 8	F 14	20	F 24	F 28	30	33	F	F	F	F	F	F	F	F	15	E 12	E 12	E 12	E 12
	CNT	25	25	25	29	24	24	25	24	24	230	23	24	24	23	24	24	24	24	24	24	25	26	25	25

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HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	4.4	4.2	4.4	4.2	4.1	3.9	4.2	4.4	4.4	4.7	4.9	5.1	4.9	5.1	5.3	5.4	5.3	5.1	4.9	4.8	4.8	4.6	4.6	4.6
	CNT	17	22	14	20	23	22	21	22	17	16	21	21	21	21	18	21	21	21	21	21	17	21	17	17
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	230	240	245	240	230	235	240	245	240	240	245	240	235	235	240	240	245	250	260	270	280	280	280	280
	CNT	24	24	24	24	24	22	22	22	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
	UQ																								
	LQ																								
M(3000)F2	MED	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.9	3.0	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
	CNT	14	14	14	15	14	14	14	14	14	15	15	14	14	14	14	14	14	14	14	14	15	15	14	14
	UQ																								
	LQ																								
foF1	MED									4.3	4.4	4.7	4.9	4.8	4.7	4.4	4.4	4.3							
	CNT									14	9	12	14	14	14	14	14	14							
foE	MED	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	CNT	15	12	12	14	14	19	16	16	14	14	15	15	17	17	17	17	16	16	16	16	16	12	11	15
h'E	MED	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0
	CNT	7	8	9	7	11	12	11	11	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
foEs	MED	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.5	2.3
	CNT	13	11	17	16	15	15	18	21	22	24	24	22	24	23	23	23	24	24	24	24	24	24	24	24

SWEEP 1.4 MC TO 17.6 MC.

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TIME 120.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	4.6	4.7	4.9	5.0	4.9	5.2	5.3	5.4	7.5	7.6	8.5	8.8	9.0	11.0	11.7	9.0	13.2	9.0	6.0		7.5	8.5	8.0	7.0
	CNT	2	2	2	2	2	2	1	7	8	4	7	7	2	10	1	7	7	7	5		1	1	4	2
	UQ								6	7	7	7	7	11.0	11.0	11.0	10.4	11.3	9.2	9.1				11.7	
	LQ								4.1	6.4	7.2	8.0	8.0	8.0	4.5	9.2	8.2	8.7	8.0	6.8				8.0	
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	2.5.5	2.5.0	2.4.5	2.4.0	2.3.5	2.3.5	2.4.0	2.4.5	2.4.5	2.4.5	2.4.5	2.4.5	3.4.0	3.4.5	3.4.5	3.3.0	2.5.5	2.4.5	2.8.0	2.9.0	3.2.0	3.2.5	3.2.5	2.6.0
	CNT	2	2	2	2	2	2	2	2	2	2	2	2	10	5	3	7	8	9	8	2	4	5	7	7
	UQ																								
	LQ																								
M(3000)F2	MED	3.1.0	3.0.0	2.9.0	2.9.0	2.9.0	2.9.0	2.8.5	3.4.0	2.4.5	2.5.1	3.1.0	3.1.0	3.1.0	3.2.0	3.2.0	3.2.0	3.0.0	3.7.0	3.4.0		3.2.5	3.5.0	3.8.0	3.1.5
	CNT	2	2	1	4	4	4	1	3	8	4	7	7	10	4	7	7	7	7	5		2	2	3	2
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.4 MC TO [illegible] MC IN 15 SECONDS.

APRIL, 1961

TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	11.4	12.7	12.6	12.8	8.3	8.2	8.7	7.9	8.4	8.8	10.4	10.8	10.8	11.5	11.5	11.3	10.4	12.1	11.8	11.0	10.7	10.5	10.5	10.4
	CNT	11.4	12.4	12.0	12.1	9.4	9.1	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
	UQ	11.0	11.9	11.5	11.6	8.6	8.5	8.4	8.4	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
	LQ	10.8	11.4	11.0	11.1	8.0	7.9	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
h'F2	MED											1.4.0	2.8.1	4.5.1	4.4.2	3.9.7	3.7.7	4.0.0							
	CNT											1	4	2	2	1	1	1							
h'F	MED	2.8.0	2.4.5	2.2.5	2.4.0	2.6.0	2.5.5	2.7.0	2.6.0	2.4.0	2.4.0	2.2.5	2.2.0	2.1.5	2.1.0	2.0.0	2.0.0	2.1.5	2.0.0	2.8.0	3.1.5	3.4.0	3.2.5	3.2.0	2.8.5	2.9.5
	CNT	24	29	29	29	24	22	22	24	24	24	24	24	23	20	20	20	23	24	27	30	25	25	28	29
M(3000)F2	MED	3.3.5	3.1.5	3.3.5	3.1.5	3.0.0	2.9.0	3.1.0	3.1.5	2.8.0	2.6.5	2.4.5	2.3.5	2.4.7	2.6.0	2.5.6	2.4.0	2.7.0	2.8.5	2.8.0	2.6.5	2.8.5	2.7.0	2.9.0	2.8.0	2.8.0
	CNT	16	24	24	24	24	21	21	20	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
	UQ	3.1.5	3.4.5	3.4.0	3.3.0	3.2.5	3.1.5	3.2.5	3.1.5	2.9.5	2.7.5	2.5.5	2.5.5	2.5.0	2.7.5	2.6.5	2.6.5	2.8.5	2.9.5	2.9.0	2.7.5	2.9.5	2.8.0	3.0.5	2.9.0	3.0.0
	LQ	3.0.0	3.2.0	3.2.0	2.9.5	2.8.5	2.6.5	2.8.0	2.7.5	2.7.1	2.5.0	2.2.5	2.2.5	2.3.0	2.4.0	2.4.9	2.3.5	2.6.5	2.7.0	2.7.0	2.5.5	2.7.0	2.5.5	2.7.0	2.7.5	
foF1	MED											4.8.1	5.4.1	5.2.0	4.7.7	4.7.1	4.7.1	4.9.1	5.0.1	5.1.1	5.1.1				
	CNT											1	1	1	1	1	1	1	1	1	1				
foE	MED							1.9.0	2.5.5	3.1.0	3.3.1	2.7.0	2.7.0	3.4.0	2.7.0	2.7.0	3.4.0	1.0.0	2.6.0						
	CNT							4	15	12	6	3	3	1	1	4	2	17	16						
h'E	MED							1.4.4	1.2.1	1.2.1	1.2.1	1.2.1	1.2.4	1.2.9	1.1.4	1.2.2	1.2.1	1.2.3	1.2.5						
	CNT							6	12	11	4	3	3	1	1	4	2	14	12						
foEs	MED	2.2	2.9	2.3	2.9	2.9	2.6	3.2	3.6	3.8	4.0	4.4	4.1	4.0	2.9	3.0	4.1	3.7	3.8	3.4	2.4				
	CNT					2.9	2.9	3.4	3.9	3.6	4.2.5	2.9	3.0	4.0			4.1	4.3	3.8	3.4	2.4	3.4	2.7	2.3	2.5

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS.

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TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED			11		7.7	4.1	4.2	7.8	8.4								U							
	CNT			1		17	21	21	13	17								1.1.4							
	UQ																	2							
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	2.2.5	2.1.0	2.1.5	2.1.5	2.2.1	2.2.5	2.3.0	2.4.0	2.2.1	2.2.5	2.1.5	2.1.5	2.1.0	2.0.0	1.9.8	2.0.0	2.1.5	2.3.5	2.5.0	2.7.0	3.1.2	3.0.0	2.9.5	2.7.2
	CNT	24	20	22	24	24	24	30	31	30	27	27	27	21	20	18	20	23	24	27	30	10	13	14	14
	UQ																								
	LQ																								
M(3000)F2	MED			2.4.0	2.4.2	2.4.7	2.5.5	2.5.2	2.5.4	2.5.0	2.7.5	2.6.5	2.6.0	2.6.5	2.6.5	2.6.8	U 2.8.2	U								
	CNT			24	24	19	21	21	14	15	11	11	14	13	11	8	4	2.9.0							
	UQ																	2							
	LQ																								
foF1	MED										D 2.2.5	F.1 2.5.0	2.6.0	5.7.0	5.0.0	U 5.0.0	U 5.1.0								
	CNT										1	2	11	10	5	4	2								
foE	MED				E	E	E	E	2.3.0	2.5.9	3.1.8	3.5.1	3.6.0	U 3.6.5	U 3.7.0	3.5.5	3.4.0	U 3.1.0	U 2.6.0	U 1.7.2	E					
	CNT				1	1	6	24	27	20	8	10	5	4	4	8	13	7	11	4	4				
h'E	MED				E	E	E	E	1.1.5	1.0.5	1.3.2	U 1.0.4	U 1.0.5			U 1.0.0		U 1.0.5	U 1.0.5	E					
	CNT				1	1	6	26	18	8	2	1	1			3		3	3	6					
foEs	MED	2.1	2.1	2.1	2.0	2.2	2.0	2.1	2.7	4.2	4.0	4.1	4.0	7.2	7.0	6.7	6.2	5.7	4.5	4.4	2.6	E	E		
	CNT	24	24	27	28	28	30	30	30	32	30	30	30	10	30	30	30	30	30	30	30	28	29	28	30

SWEEP 1.2E MC TO 12.0 MC.

APRIL, 1961

TABLE 33

IBADAN, NIGERIA (7.4N, 3.9E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	88	80	75	66	42	28	63	86	102	107	107	102	99	102	105	106	109	D 104	D 101	96	94	92	94	94
	CNT	26	26	25	25	24	23	25	26	27	28	30	28	27	27	28	28	28	27	27	27	27	27	27	27
	UQ																								
	LQ																								
h' F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h' F	MED	250	250	240	235	235	245	250	240	220	210	205	205	200	200	200	210	230	250	280	350	365	340	290	265
	CNT	26	26	25	25	24	20	25	26	27	28	30	28	27	26	26	26	25	25	26	27	27	27	27	27
	UQ																								
	LQ																								
M(3000)F2	MED	V 310	310	E 315	J 330	325	310	330	320	300	265	245	255	250	245	250	250	250	255	E 260	230	U 230	245	265	270
	CNT	4	6	4	8	15	20	22	26	25	27	29	28	27	27	28	28	23	16	6	16	5	4	2	1
	UQ																								
	LQ																								
fo F1	MED																								
	CNT																								
fo E	MED							240	280	320	350	370	380	380	370	360	330	300	235	U 150					
	CNT							21	23	27	27	30	28	26	22	25	23	22	18	2					
h' E	MED																								
	CNT																								
fo Es	MED	F	E	E	F	F	E	G	G																
	CNT	26	26	25	25	25	24	25	26	62 27	86 280	91 30	88 28	91 27	91 27	66 28	62 28	25 28	27	27	27	27	27	27	27

SWEEP

APRIL, 1961

TABLE 34

TAHITI, SOCIETY I. (17.7S, 149.3W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	50	76	62	47	37	36	45	88	104	116	125	122	136	150	158	160	160	160	155	150	140	132	108	96
	CNT	23	22	27	28	29	30	27	30	28	30	29	30	28	29	28	29	29	30	30	30	27	24	26	24
	UQ																								
	LQ																								
h' F2	MED								240	245	255	260	270	290	305	298	292	275	258						
	CNT								14	20	25	27	25	17	24	24	16	15	6						
	UQ																								
	LQ																								
h' F	MED	240	240	230	228	260	275	275	240	230	222	215	205	220	230	235	238	248	245	240	232	220	240	240	230
	CNT	29	28	29	28	29	30	27	30	28	30	26	23	19	17	14	18	22	25	30	30	30	30	29	28
	UQ																								
	LQ																								
M(3000)F2	MED	310	315	335	305	290	295	310	348	340	330	335	310	295	292	300	300	300	305	302	305	305	300	310	315
	CNT	24	21	27	26	28	29	27	30	28	30	27	30	26	24	20	19	18	20	22	26	25	24	24	24
	UQ																								
	LQ																								
fo F1	MED											U 470	U 490	U 510	U 500	U 500									
	CNT											4	4	3	1	3									
fo E	MED	E	E	E	E	E	E	E	230	285	320	350	355	360	350	340	318	280	215	E	E	E	E	E	E
	CNT	12	13	7	10	18	22	21	29	27	27	26	28	25	25	22	14	11	10	4	21	20	18	11	10
h' E	MED	E	E	E	E	E	E	E	110	105	105	105	100	100	100	105	105	105	E	E	E	E	E	E	E
	CNT	12	13	7	10	18	22	25	25	19	18	23	25	21	24	22	20	15	12	26	28	20	18	11	10
fo Es	MED	27	27	26	26	26	25	U 30	31	31	37	39	38	43	55	46	57	50	41	38	31	31	31	U 30	30
	CNT	26	22	25	26	26	29	27	29	27	290	29	29	27	29	27	29	28	30	29	28	27	27	25	25

SWEEP 1.2 MC TO 17.0 MC.

APRIL, 1961

TABLE 35

TANANARIVE, MALAGASY REPUBLIC (18.8S, 47.5E) TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	36	34	34	28	27	26	43	71	83	96	97	94	88	92	100	98	95	88	79	62	44	40	38	36
	CNT	28	29	30	30	30	30	29	25	26	30	27	28	25	27	28	30	27	23	29	28	29	27	28	29
	UQ																								
	LQ																								
h'F2	MED									270	280	275	285	295	300	305	290	270							
	CNT									16	28	29	24	24	23	23	22	7							
	UQ																								
	LQ																								
h'F	MED	255	250	250	250	E 280	E 288	252	248	238	230	225	225	235	235	240	240	245	245	235	235	235	260	272	E 252
	CNT	23	25	28	25	28	27	30	30	30	30	28	29	27	27	27	29	27	29	26	26	23	21	24	35
	UQ																								
	LQ																								
M(3000)F2	MED	310	310	320	305	285	285	320	330	325	320	315	305	295	290	295	298	300	310	320	322	310	300	300	305
	CNT	28	29	29	30	30	30	29	25	26	30	27	28	25	27	28	30	27	23	29	28	29	27	27	29
	UQ																								
	LQ																								
fo F1	MED													U 490	U 520										
	CNT													2	1										
fo E	MED	E	E	E	E	E	E	E	218	275	305	328	330	352	350	330	310	275	200	E	E	E	E	E	E
	CNT	4	8	8	11	21	27	28	30	27	26	16	12	12	13	23	30	29	20	7	5	3	4	1	3
h' E	MED	E	E	E	E	E	E	E	130	120	120	115	110	U 105	U 110	110	115	122	U 130	E	E	E	E	E	E
	CNT	4	8	8	11	21	27	30	9	15	17	17	7	1	1	6	13	10	4	7	5	3	4	1	3
fo Es	MED	17	16	16	15	15	16	18	26	G 25	G	G	G	G	G	G	32	32	27	27	23	22	27	28	18
	CNT	25	29	30	30	30	30	30	15	17	260	26	28	27	30	28	28	30	10	29	23	18	16	14	28

SWEEP 1.25 MC TO 20.0 MC.

APRIL, 1961

TABLE 36

TOWNSVILLE, AUSTRALIA (19.3S, 146.7E) TIME 150.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	U 52	52	43	41	33	33	35	D 65	D 80	84	D 100	D 106	D 84	U 115	D 110	D 110			77	U 72	D 61	54	U 58	U 53
	CNT	18	19	17	20	23	23	24	19	14	6	17	20	14	15	12	13	2	4	6	16	18	19	17	19
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UD																								
	LD																								
h'F	MED	265	270	250	235	255	300	260	240	240	230	210	210	210	200	220	220	230	250	235	240	240	260	270	250
	CNT	24	22	25	23	29	20	22	24	23	24	25	23	21	13	14	14	16	24	24	26	25	24	23	24
	UQ																								
	LQ																								
M(3000)F2	MED	300	295	310	320	310	285	310	345		340	320	315		300						310	305	290	290	290
	CNT	12	11	15	16	20	21	22	7	4	5	9	9	4	8	4	2	1	1	3	9	9	15	8	11
	UQ																								
	LQ																								
fo F1	MED												460	500	470	U 450									
	CNT											3	8	5	7	6	1								
fo E	MED								220	275	310	330	350	355	350	345	330	295	235	E 170					
	CNT								21	23	24	23	24	22	19	23	22	21	16	5					
h' E	MED																								
	CNT																								
fo Es	MED																								
	CNT																								

SWEEP 1.0 MC TO 18.0 MC IN 1 MINUTE 55 SECONDS.

APRIL, 1961

SAO PAULO, BRAZIL (23.5S, 46.5W) TIME -3.0H

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	92	86	87	85	87	84	83	84	87	98	108	U 120	U 127	U 128	U 133	U 134	U 138	U 137	U 128	U 115	U 105	U 114	U 118	U 94
	CNT	28	27	27	27	28	27	27	27	26	26	25	25	21	25	27	25	28	29	25	21	20	24	22	24
	UQ	111	102	99	78	94	94	95	73	94	105	115	125	124	130	142	147	145	147	137	132	114	118	123	109
	LQ	81	77	82	96	82	96	96	95	81	90	100	112	129	126	126	135	135	124	119	112	96	98	99	82
h'F2	MED										260	260	265	295			300	275	240						
	CNT									4	7	10	13	6	1	8	15	11	2						
	UQ																								
	LQ																								
h'F	MED	230	230	224	210	205	234	250	230	220	210		U 205				U 210	220	230	215	205	210	220	220	220
	CNT	25	26	27	27	23	20	19	27	25	18	4	5	4	2	1	7	17	26	24	25	21	24	24	25
	UQ																								
	LQ																								
M(3000)F2	MED	330	330	350	345	330	320	305	325	350	335	325	313	270	285	290	310	320	330	350	345	325	320	340	330
	CNT	24	27	27	27	27	26	27	27	24	26	25	23	18	24	24	25	28	27	25	19	21	22	19	21
	UQ													U 240	U 260	U 260	U 280	U 290	U 290	U 290	U 290	U 290	U 290	U 290	U 290
	LQ													18	24	24	25	28	27	25	19	21	22	19	21
foF1	MED												1												
	CNT																								
foE	MED									U 240	U 310						U 320								
	CNT								4	5	8	2		1			6	2							
h'E	MED									104	107	109	105												
	CNT								3	7	15	11	11	4	5	4	1	1	1						
foEs	MED	U 33	U 29	U 25	U 27		U			U 24	U 32	U 44	U 37			U 36	U 34	U 34	U 38	U 39	U 31	U 30	U 32	U 32	U 35
	CNT	4	4	4	4	3	18	1	17	14	20	1	19	10	8	10	14	14	14	18	16	13	15	11	9

SWEEP 1.0 MC TO 25.0 MC.

APRIL, 1961

TABLE 4C

BUENOS AIRES, ARGENTINA (34.6S, 58.5W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	57	50	46	52	50	52	57	66	80	96	100	106	119	118	127	140	125	99	95	65	69	68	65	56
	CNT	17	17	14	20	14	10	15	10	13	17	15	17	13	14	18	13	13	16	10	13	14	15	15	17
	UQ									U 240	260	260	280	290	290	280	260	250							
	LQ									2	12	14	14	10	12	16	14	11							
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	295	305	295	270	230	270	285	230	240	230	225	210	205	200	235	250	245	230	220	240	260	250	265	295
	CNT	17	18	15	20	15	9	16	11	13	15	15	16	10	8	16	10	10	18	13	13	14	16	16	18
	UQ																								
	LQ																								
M(3000)F2	MED	270	265	280	310	330	300	300	340	340	340	325	320	305	310	315	325	330	340	340	300	300	320	285	280
	CNT	14	14	13	17	11	10	13	10	10	14	15	16	12	13	17	11	12	12	7	9	11	11	11	14
	UQ													U 440	U 480	U 440									
	LQ													2	1	1									
foF1	MED																								
	CNT																								
foE	MED								235	U 285	U 305	U 320					U 330								
	CNT								6	4	2	1					1								
h'E	MED							U 135	139	119	119	119	119	121	115	109	119	U 120	U 109						
	CNT							1	5	9	17	13	8	6	5	7	5	2	3						
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS.

APRIL, 1961

TABLE

BRISBANE, AUSTRALIA (27.5S, 152.9E) TIME 150.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	46	46	46	49	38	35	40	70	82	89	98	97	86	92	100	107	97	89	74	58	55	55	50	47
	CNT	18	18	19	17	18	18	19	25	25	24	24	24	23	23	26	25	25	26	26	26	26	24	24	21
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	285	280	285	305	290	290	315	335	340	330	330	325	315	305	310	315	325	330	315	295	285	290	285	280
	CNT	17	18	17	17	17	18	19	25	25	24	24	23	23	23	26	25	25	25	26	26	26	23	23	20
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 1 MINUTE 55 SECONDS.

APRIL, 1961

TABLE 41

CANBERRA, AUSTRALIA (35.3S, 149.0E) TIME 150.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	45	44	44	44	42	39	36	58		U 83	D 86	U 96	U 96	96	94	96	94	U 86	U 82	U 66	U 60	U 53	U 50	U 51
	CNT	20	20	22	20	20	16	14	23	19	21	18	14	16	14	16	17	19	27	26	26	22	22	21	21
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UD																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	300	300	300	305	310	295	310	335	330	340	330	325	310	315	320	320	325	320	315	310	300	300	300	290
	CNT	8	11	14	11	11	10	5	11	10	12	8	8	10	10	14	10	10	10	11	9	7	6	7	5
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.6 MC TO 20.0 MC IN 18 SECONDS.

APRIL, 1961

TABLE 42

HOBART, TASMANIA (42.9S, 147.2E) TIME 150.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	34	30	30	30	U				U 62	68	75	D 79	D 82	D 85	D 84	D 85	D 85	D 80	U 76	67	58	49	42	38
	CNT	25	25	25	24	23	24	24	25	23	22	23	22	23	26	26	26	25	26	24	26	27	28	24	25
	UQ																								
	LD																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	300	300	310	310	310	310	310	350	355	350	345	340	335	335	340	340	335		340	* 330	330	320	310	300
	CNT	20	22	17	14	18	17	19	18	19	16	15	10	6	5	7	9	6	4	15	22	22	22	15	18
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 1 MINUTE 55 SECONDS.

APRIL, 1961

TABLE 43

TRELEW, ARGENTINA (43.2S, 65.3W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	41	41	43	44	43	45	36	44	72	88	D 97	D 100	D 100	D 98	94	94	60	D 42	D 72	56	52	42	42	40
	CNT	25	22	21	22	22	20	17	13	14	7	6	8	9	15	13	11	12	12	14	15	15	26	22	24
	UQ																								
	LQ																								
h'F2	MED										230	245	250	250	240	240	240	250	U 240						
	CNT										7	10	9	14	16	13	19	8	3						
	UQ																								
	LQ																								
h'F	MED	310	320	305	300	280	240	210	225	208	210	210	200	205	200	215	210	230	230	208	240	230	240	235	230
	CNT	22	20	20	20	20	19	15	17	18	11	17	15	11	15	18	13	13	20	16	17	16	19	18	21
	UQ																								
	LQ																								
M(3000)F2	MED	260	260	265	275	285	320	320	320	340	U 340	U 345	U 300	U 330	U 340	325	335	330	345	330	345	310	290	280	270
	CNT	24	20	20	21	20	20	16	8	8	4	2	3	1	4	9	7	7	5	6	11	12	22	19	23
	UQ																								
	LQ																								
foF1	MED														H 360		U 300								
	CNT														1		1								
foE	MED								U 190	U * 215				U 320	U 160		U 265								
	CNT								1	3				1	1		1								
h'E	MED								161	107	103	101	101	101	101	101	101	103	94						
	CNT								6	17	12	19	19	14	14	20	14	10	4						
foEs	MED																								
	CNT																								

SWEEP 1.3 MC TO 18.0 MC IN 33 SECONDS.

APRIL, 1961

TABLE 44

CHRISTCHURCH, NEW ZEALAND (43.6S, 172.8E) TIME 180.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	I 52	U 50	U 48	U 44	U 42	37	33	U 42	U 65	U 71	U 76	U 83	U 88	U 91	U 88	U 84	U 83	U 83	U 79	U 70	U 68	U 59	U 54	U 52
	CNT	21	18	20	19	17	17	17	19	19	19	21	21	20	23	24	22	19	16	19	19	21	17	22	14
	UQ																								
	LQ																								
h'F2	MED										U 260	270	260	260	260	260	U 280	U 360	U 300						
	CNT										1	5	8	9	10	5	3	1	1						
	UQ																								
	LQ																								
h'F	MED	I 260	U 270	U 270	260	260	240	240	240	230	230	220	210	210	220	220	240	240	240	230	230	240	240	U 250	U 260
	CNT	19	14	17	16	18	15	13	14	20	21	20	18	20	22	23	24	24	23	24	18	15	21	15	17
	UQ																								
	LQ																								
M(3000)F2	MED	U 275	U 270	U 275	U 270	U 275	260	260	U 305	U 325	330	320	U 310	U 315	U 315	U 310	310	U 315	U 315	U 310	U 285	U 290	U 290	U 280	U 275
	CNT	21	19	15	17	15	18	16	14	14	14	20	19	19	23	24	22	18	14	18	17	20	16	15	11
	UQ																								
	LQ																								
foF1	MED								U 270	U 320	U 350		400	U 400	U 400	U 420	U 400								
	CNT								1	1	1		5	3	2	2	1								
foE	MED								U 160	220	270	290	300	320	330	310	300	280	220	U 170					
	CNT								7	15	17	14	13	15	14	21	20	19	13	8					
h'E	MED									110	105	105	105	105	105	105	105	110	110	U 130					
	CNT									11	18	18	17	15	15	15	9	13	7	1					
foEs	MED	F 17	E 17	E 17	E 17	E 17	E 15	E 17	E 17	22	27	30	31	32	G	G	30	28	22	18	E 16	E 18	E 17	E 17	E 17
	CNT	23	24	24	21	23	23	23	23	24	24	22	20	23	24	25	26	25	25	25	25	24	25	25	23

SWEEP

APRIL, 1961

TABLE 47

FURSTENFELDBRUCK, GERMANY (48.0N, 11.4E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	34	33	33	30	28	24	26	48	51	64	67	72	75	78	78	78	76	74	74	70	[illegible]	48	40	43
	CNT	29	26	28	24	23	26	25	28	28	27	27	29	24	24	24	26	29	24	[illegible]	27	27	17	4	7
	UQ																								
	LQ																								
h'F2	MED								340	360	340	410	390	340	320	280	270	270							
	CNT								2	3	7	11	8	12	7	7	3	1							
	UQ																								
	LQ																								
h'F	MED	300	300	300	300	295	290	270	260	280	320	320	320	310	310	320	320	340	350	340	320	340	340	324	340
	CNT	28	29	29	27	28	27	28	28	28	27	28	27	28	29	27	27	29	29	29	27	28	27	46	27
	UQ																								
	LQ																								
M(3000)F2	MED	260	260	260	261	260	275	290	260	315	310	315	315	310	320	320	315	320	315	315	320	305	305	295	295
	CNT	27	27	25	24	22	23	23	27	27	27	27	28	28	27	29	27	28	28	28	28	28	27	25	24
	UQ																								
	LQ																								
fo F1	MED								300	U 340	U 340	340	410	430	430	420	420								
	CNT								1	1	3	4	1	4	1	1									
fo E	MED							190	190	245	270	280	290	260	225	180									
	CNT							2	21	25	24	18	10	20	17	17	12								
h'E	MED																								
	CNT																								
fo Es	MED			16	17	11							12						24	19	25	24	24	24	21
	CNT			8	11	12							15						17	16	11	7	2	2	1

SWEEP 1.5 MC TO 22.0 MC IN 4 MINUTES. MARCH, 1961

TABLE 48

PARIS, FRANCE (48.8N, 2.3E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	37	38	39	38	38	35	28	35	51	55	67	74	76	76	79	77	77	78	84	84	U 66	58	46	40
	CNT	29	26	25	26	22	23	20	26	45	15	25	26	23	26	31	29	29	27	18	22	19	22	24	25
	UQ																								
	LQ																								
h'F2	MED									U 240	255	285	270	268	245	260	265	U 255	248	U 225					
	CNT									3	6	11	17	18	14	17	19	3	6	3					
	UQ																								
	LQ																								
h'F	MED	280	285	290	290	275	262	250	242	225	210	210	208	210	205	210	215	215	230	235	230	225	225	232	255
	CNT	28	31	30	31	26	31	27	31	31	10	31	28	28	29	30	29	31	30	31	30	31	31	30	29
	UQ																								
	LQ																								
M(3000)F2	MED	290	280	288	288	290	300	300	325	350	340	340	335	335	330	340	340	340	335	340	340	325	330	328	300
	CNT	20	20	22	22	20	19	20	23	20	12	19	23	18	25	25	25	28	19	12	10	9	13	20	21
	UQ																								
	LQ																								
fo F1	MED									U 300	U 370	410	420	430	430	U 450	U 420								
	CNT									1	2	7	7	7	6	2	4								
fo E	MED									145	250	280	298	310	320	315	310	285	258	202	E	E	E	E	E
	CNT									24	30	31	30	27	27	30	29	31	30	26	20	21	13	9	11
h'E	MED									120	110	110	105	105	102	105	110	110	115	120	E	E	E	E	E
	CNT									26	30	31	28	23	22	26	27	29	27	21	25	22	13	9	11
fo Es	MED									24	26	28	G	24	G	G	G	G	28	24	23	23	23	23	23
	CNT									12	200	23	24	23	23	26	24	26	26	25	18	17	11	11	7

SWEEP 1.4 MC TO 17.0 MC. MARCH, 196.

TABLE 49

LINDAU/HARZ, GERMANY (51.6N, 10.1E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	37	367	367	353	326	286	248	45	57	67	648	74	78	80	768	78	776	753	742	715	628	516	434	384
	CNT	27	25	24	24	23	22	21	29	30	31	30	31	31	31	31	31	31	30	30	30	30	30	25	27
	UQ																								
	LQ																								
h'F2	MED								447	315	314	288	284	280	285	280	270								
	CNT								1	6	7	12	15	17	15	9	5								
h'F	MED	284	294	294	290	286	273	263	245	235	229	219	221	213	221	220	230	234	230	244	236	236	240	244	273
	CNT	29	30	29	30	30	30	30	30	30	31	30	30	30	30	31	31	31	30	30	29	30	29	29	28
	UQ																								
	LQ																								
M(3000)F2	MED	274	270	270	274	274	287	290	320	305	314	315	315	312	315	313	317	315	315	312	309	304	300	294	281
	CNT	26	23	24	20	23	20	21	24	24	30	24	31	31	31	31	31	31	30	30	30	30	29	29	24
	UQ																								
	LQ																								
fo F1	MED								255	350	345	418	443	460	445	440	435								
	CNT								1	6	7	12	14	13	15	8	3								
fo E	MED							E	166	220	261	282	246	306	304	304	288	264	231	190	E				
	CNT							11	26	25	27	20	18	22	26	28	31	28	24	8	13				
h'E	MED							E	E	115	111	110	108	107	108	108	107	112	112	E	E				
	CNT							12	22	20	31	30	31	28	25	21	20	14	9	15	14				
fo Es	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 4 MINUTES. MARCH, 1961

TABLE 49

AHMEDABAD, INDIA 23.0N, 72.6E TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	68	60	54	50	41	34	34	47	83	97	112	U 126	U 126	D 137	D 144	D 146	D 140	U 150	U 142	130	133	110	94	72
	CNT	27	26	28	27	28	26	27	30	31	27	27	26	28	30	28	29	28	28	30	29	27	27	29	27
	UQ																								
	LQ																								
h'F2	MED									245	270	285	295	300	300	300	285	275	250						
	CNT									29	28	28	27	40	30	29	30	28	27						
	UQ																								
	LQ																								
h'F	MED	270	260	250	245	240	240	265	235	230	220	215	210	240	220	220	230	235	245	240	235	225	225	255	270
	CNT	29	28	28	28	29	27	29	28	27	26	27	26	28	27	28	30	28	24	31	31	29	30	29	28
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED									400	460	485	500	500	445	440	470	455	400						
	CNT									4	22	28	28	28	27	27	24	16	5						
foE	MED								195	265	320	350	370	370	375	365	350	305	250	180					
	CNT								25	26	23	25	22	25	25	26	24	27	27	22					
h'E	MED								115	110	105	100	105	105	105	105	110	110	115	125					
	CNT								28	24	23	25	25	24	27	27	30	28	27	22					
foEs	MED	17	19	14	18	15	15	U 16	U 16	U	G	G	C	C	G	C	G	G	C	C	14	E	15	14	18
	CNT	24	28	27	28	28	28	24	30	28	260	47	26	27	29	28	27	27	27	17	14	33	30	29	24

SWEEP 0.6 MC TO 25.0 MC IN 5 MINUTES. AUTOMATIC.

MARCH, 1964

TABLE 50

MALAU 22.2N, 113.6E TIME 120.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	70	70	40	64	42	37	28	58	78	87	100	110	118	120	126	134	134	120	120	118		140	90	82
	CNT	1	1	1	4	F	4	5	4	12	21	26	25	26	24	22	24	24	9	6	2		3	1	3
	UQ				74	38	46	34	64	80	90	110	115	125	134	132	135	140	122	129			142		104
	LQ				60	38	30	26	50	74	78	90	100	113	114	114	119	120	114	119			128		75
h'F2	MED											375	370	355	310										
	CNT											1	2	3	2										
	UQ																								
	LQ																								
h'F	MED	305	305	285	265	260	295	330	300	300	290	285	280	280	300	350	290	295	300	300	285	270	275	275	295
	CNT	24	27	31	27	29	28	14	15	25	29	28	24	21	16	20	26	27	27	21	7	1	9	17	19
	UQ																								
	LQ																								
M(3000)F2	MED	270	270	250	240	310	305	270	290	310	280	270	270	270	270	280	280	280	310	315	315		310	320	290
	CNT	1	1	1	4	F	4	5	4	12	21	26	25	26	24	22	24	24	9	6	2		3	1	3
	UQ																								
	LQ																								
foF1	MED											490	490	500	500										
	CNT											1	2	3	2										
foE	MED									300	300	320	320				330	300	300	280					
	CNT									1	6	4	1				1	9	2	2					
h'E	MED									100	130	130	100				125	125	130	130					
	CNT									2	6	4	1				1	9	2	2					
foEs	MED																								
	CNT																								

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS.

MARCH,

TABLE 51

DAKAR, SENEGAL 14.8N, 17.4W TIME 15.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	128	113	90	66	37	33	35	73	91	110	120	129	131	130	132	133	131	130	130	126	121	114		110
	CNT	14	13	15	17	20	22	23	29	29	30	31	31	30	29	31	28	29	30	29	23	9	5		7
	UQ																								
	LQ																								
h'F2	MED										265	U 292	308	300	300	U 295	270	260							
	CNT										4	2	6	13	H	2	2	1							
	UQ																								
	LQ																								
h'F	MED	255	235	215	205	215	230	260	240	222	204	200	200	195	195	195	200	215	225	250	300	314	300	300	290
	CNT	30	31	31	31	29	21	28	29	28	24	29	30	30	31	31	28	31	31	30	31	2	28	31	31
	UQ																								
	LQ																								
M(3000)F2	MED	U 315	320	340	330	330	300	285	325	315	311	290	270	265	262	250	270	278	280	270	240	U 255	H 255	I 270	U 268
	CNT	3	5	8	7	17	18	21	29	29	30	29	28	27	24	25	22	28	28	20	10	4	1	1	4
	UQ																								
	LQ																								
foF1	MED											U 470	U 500	U 500	U 500										
	CNT											1	7	A	3										
foE	MED	E	E	E	E	E	F	E	218	280	315	350	360	355	I 360	355	345	305	260	180	E	E	E	E	E
	CNT	1	7	7	12	12	14	20	26	25	29	21	20	14	17	22	24	30	26	10	21	4	2	1	1
h'E	MED	E	E	F	E	E	E	E	108	100	100	100	100	100	100	100	100	105	105	U 125	E	E	E	E	E
	CNT	1	7	7	12	12	14	21	24	41	24	21	21	24	25	25	29	29	25	2	22	9	2	1	1
foEs	MED	26	26	26	28	29	31	30	31	32	31	31	31	D	31	30	28	31	37	31	30	24	30	27	24
	CNT	20	26	31	29	27	26	29	29	26	290	30	30	24	29	29	29	40	30	39	26	13	22	24	20

SWEEP 1.2 MC TO 17.0 MC.

MARCH, 1961

TABLE 52

DJIBOUTI, FRENCH SOMALILAND 11.6N, 43.2E TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	D 68	D 68	D 67	62	50	48	38	68	90		90	90	98	100	11	114			U 110				D 85	U 86
	CNT	1	1	1	7	19	17	20	14	6		9	14	13	14									1	1
	UQ																								
	LQ																								
h'F2	MED							U 410				U 285	U 310	325	15	17	J 310	U 342							
	CNT							1				1	4	7	5	5	4	4							
	UQ																								
	LQ																								
h'F	MED	248	243	230	225	225	235	250	270	232	210	205	200	200	200	200	205	215	240	260	308	290	260	262	260
	CNT	22	24	24	26	28	24	24	28	31	29	27	27	25	25	25	26	25	31	31	30	11	12	14	16
	UQ																								
	LQ																								
M(3000)F2	MED				325	328	325	315	310	U 295		290	290	250	245	260	U 255			U 250					U 305
	CNT				5	14	15	14	21	9		6	10	4	8	4	1			1					1
	UQ																								
	LQ																								
foF1	MED							U 160				U 540	U 480	500	500	U 500									
	CNT							1				1	2	8	6	5	2								
foE	MED			F		F	E	E	210	280	320	350	358	365	375	350	338	310	265	185	E				
	CNT			1		4	5	12	27	28	11	11	10	11	9	21	20	21	21	16	10				
h'E	MED			E		E	E	E	125	115	110	U 108		U 110	U 105	110	110	115	120	U 140	E				
	CNT			1		4	5	12	15	17	7	2		1	1	8	13	12	15	1	11				
foEs	MED	24	21	E	E	E	20	22	25	44	52	50	40	50	40	50	46	48	45	25	23	E	E		
	CNT	28	28	25	43	29	26	28	28	33	24	24	33	28	30	29	30	30	31	19	28	26	27	23	24
																								29	28

SWEEP 1.25 MC TO 20.0 MC.

MARCH, 1961

TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED																								
	CNT																								
	UQ																								
	LO																								
h' F2	MED																								
	CNT																								
	UD																								
	LD																								
h' F	MED	250	240	240	225	230	240	255	245	230	215	215	220	200	200	200	205	220	240	250	250	260	270	265	250
	CNT	30	40	30	24	28	28	30	30	32	21	1	15	30	24	24	18	24	25	24	22	28	29	29	26
	UQ																								
	LO																								
M(3000)F2	MED	U	U	I	U	U	U	U		E	E	E	E	U	U	E	U	U	E	E	E	E	E	E	E
	CNT	3	5	7	7	4	18	24	30	29	24	14	15	30	25	1	18	30	25	1	10	4	1	2	1
	UQ																								
	LO																								
fo F1	MED																								
	CNT																								
fo E	MED							180	U 200	340	350	370	380	U 380	375	360	340	300	240	E 150					
	CNT							26	24	30	31	31	29	30	29	28	27	24	20	18					
h' E	MED																								
	CNT																								
fo Es	MED	E	E	E	E	E	E	E	U	U	U	U	U	U	U	U	U	U	U	E	E	E	E	E	E
	CNT	30	30	30	30	29	29	30	30	30	30	31	29	31	31	31	30	30	30	28	28	30	29	28	29

SWEEP

MARCH, 1961

TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED																								
	CNT																								
	UQ																								
	LO																								
h' F2	MED																								
	CNT																								
	UD																								
	LD																								
h' F	MED																								
	CNT																								
	UD																								
	LD																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LO																								
fo F1	MED											U 510	U 520	U 500	U 510	U 510									
	CNT											2	4	9	8	4									
fo E	MED	E	E	E	E	E	E						240	295	305	350	360	370	370	355	340	305	260	U 162	E
	CNT	5	10	10	20	17	19	15	25				25	28	29	30	25	22	23	24	28	23	16	4	14
h' E	MED	E	E	E	E	E	E	E					195	100	100	100	110	100	100	100	105	105	110	E	E
	CNT	5	10	20	20	17	19	24	14				21	11	15	21	21	21	22	19	19	18	17	22	22
fo Es	MED	30	29	28	26	28	28	31	31	47	41	41	48	41	40	32	35	38	46	40	37	35	31	30	28
	CNT	22	26	25	24	24	25	29	29	31	41	31	28	28	27	30	30	30	28	26	25	29	29	27	23

SWEEP 1.0 MC TO 17.0 MC.

MARCH, 1961

TABLE

TANANARIVE, MALAGASY REPUBLIC 118.8S, 47.6E TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	34	31	34	34	30	28	44	58	78	84	94	94	120	125	124	107	103	95	86	80	68	59	56	U 54
	CNT	28	24	29	30	29	30	31	25	27	27	28	23	31	21	31	30	28	23	28	31	30	28	30	28
	UQ																								
	LQ																								
h' F2	MED									280	290	300	315	310	305	310	295	285	264						
	CNT									11	24	28	30	24	27	29	27	13	11						
h' F	MED	260	240	235	240	E 255	E 238	255	245	227	240	242	244	241	230	231	240	240	250	245	240	240	255	280	265
	CNT	28	22	26	28	28	25	31	31	31	31	31	24	25	25	28	28	28	29	30	30	28	28	26	24
	UQ																								
	LQ																								
M(3000)F2	MED	320	315	315	305	295	295	315	325	315	300	290	290	285	285	285	277	285	295	295	313	314	U 320	U 320	U 320
	CNT	27	29	29	30	29	30	31	29	27	27	28	29	31	31	31	31	28	29	28	31	31	29	29	29
	UQ																								
	LQ																								
fo F1	MED											U 500	U 490	U 490	U 490	U 490									
	CNT											2	2	4	1	1									
fo E	MED	E	E	E	E	E	E	145	230	285	320	335	350	360	360	340	320	290	245	E	E	E	E	E	E
	CNT	5	5	10	19	29	30	31	31	31	28	28	22	18	24	23	30	31	30	1	10	1	1	3	1
h' E	MED	E	E	E	E	E	E	E	130	125	120	115	110	U 105	U 105	110	110	120	135	F	F	E	E		
	CNT	5	5	10	14	29	30	31	21	18	20	22	14	1	4	14	18	23	19	1	10	1	1	4	2
fo Es	MED	22	21	16	16	15	15	14	U 21	U 25	U														
	CNT	31	30	30	31	30	31	31	17	13	17			31	29	28	41	29	30	28	22	27	21	24	24

SWEEP 1.25 MC TO 20.0 MC.

MARCH, 1961

TABLE 56

SAO PAULO, BRAZIL 123.5S, 46.5W1 TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	U 117	U 122	114	111	46	39	39	70	84	97	105	110	U 120	U 128	U 135	U 143	U 146	143	135	129	U 114	U 115	U 130	U 126
	CNT	16	14	19	17	18	19	21	24	25	24	20	21	22	21	25	25	22	21	22	18	14	13	11	18
	UD	131	135	120	109	68	53	54	76	88	102	109	115	125	131	140	148	155	155	150	135	127	128	140	130
	LD	103	110	98	46	35	29	37	64	74	88	102	105	115	120	130	135	136	135	129	116	110	104	115	96
h' F2	MED											280	305	320	310	315	300	280	255						
	CNT											2	6	5	4	7	11	13	14						
h' F	MED	230	230	220	210	220	230	240	230	245	I 215														
	CNT	21	23	25	24	18	15	15	23	11	7	4		1	1										
	UQ																	2	235	230	225	230	240	240	235
	LQ																	10	26	23		18	21	18	24
M(3000)F2	MED	U 320	U 320	320	330	325	305	310	335	312	300	280	270	U 270	U 270	U 285	U 295	U 310	U 320	U 330	U 330	U 310	U 305	U 310	U 330
	CNT	12	1	17	16	17	16	14	22	24	26	18	14	19	18	23	24	20	19	19	16	12	12	10	15
	UQ																								
	LQ																								
fo F1	MED										1														
	CNT																								
fo E	MED										2	1	1			1	3	1	1						
	CNT																								
h' E	MED								U 109	109	109	102					U 111								
	CNT								5	5	10	7			1	1	2	3	1						
fo Es	MED	U 25	U 31	U 32	U 32	U 14	U 22	U 21		U 39	U 41	U 47	U 43	U 47	U 47	U 42	U 40	U 35	U 38	U 38	U 33	U 39	U 41	U 39	
	CNT	7	8	14	14	17	19	16	12	13	119	15	7	12	11	11	17	17	14	15	11	8	10	10	4

SWEEP 1.0 MC TO 25.0 MC.

MARCH, 19

TABLE 57

BRISBANE, AUSTRALIA (27.5S, 152.9E) TIME 150.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	60	59	58	53	48	U 43	50	70	80	90	100	99	93	93	99	102	99	93	86	71	66	64	63	60
	CNT	8	8	7	6	5	5	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	280	285	280	310			320	335	320	325	315	310	305	290	295	295	300	315	315	285	275	280	280	270
	CNT	8	7	7	6	4	2	6	7	7	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 1 MINUTE 55 SECOND.

MARCH, 1961

TABLE 58

MUNDARING, WESTERN AUSTRALIA (32.0S, 116.2E) TIME 120.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	45	43	42	42	38	36	38	55	63	70	77	79	84	87	87	88	85	82	80	72	61	54	48	46
	CNT	24	30	30	29	29	26	28	28	28	27	28	28	28	29	29	28	29	29	28	26	28	29	28	28
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	260	250	245	240	U 240	240	250	230	220	210	200	200	200	205	210	220	230	230	230	215	220	230	245	U 250
	CNT	29	24	27	27	26	27	25	28	27	24	25	27	25	25	23	24	27	25	29	29	29	29	25	25
	UQ																								
	LQ																								
M(3000)F2	MED	295	300	300	305	300	300	310	340	330	320	315	305	305	300	305	305	305	315	320	310	305	305	300	295
	CNT	26	27	27	25	25	27	24	28	28	27	27	28	28	29	29	28	29	29	27	22	28	25	26	27
	UQ																								
	LQ																								
foF1	MED									4	430	460	470	480	480	480	460								
	CNT										10	18	19	23	22	17	10	4	2						
foE	MED							E 100	215	275	310	330	350	355	355	350	335	305	265	200					
	CNT							27	27	24	24	24	27	26	27	26	25	22	23	14	1				
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.6 MC TO 20.0 MC IN 18 SECONDS.

MARCH, 1961

TABLE

CANBERRA, AUSTRALIA (35.3S, 149.0E) TIME 150.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 53	50	49	48	43	41	U 44	57	U 64	U 68	74	78	79	84	86	86	85	U 83	U 82	D 70	U 71	U 66	U 56	U 56
	CNT	26	24	26	25	22	24	24	21	23	21	21	21	20	20	22	21	21	27	27	26	27	26	27	26
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	290	285	300	300	290	300	315	330	325	320	320	315	310	315	310	310	310	315	315		295	285	290	290
	CNT	12	13	9	15	14	14	11	14	16	12	15	16	14	16	16	17	13	12	7	4	7	8	6	4
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.6 MC TO 20.0 MC IN 18 SECOND.

MARCH, 19

TABLE 60

TRELEW, ARGENTINA (43.2S, 65.3W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	56	58	56	58	60	60	64	62	76	90	96	D 100	D 100	D 100	D 100	D 98	98	95	93	73	62	60	58	56
	CNT	17	23	21	19	18	19	15	11	12	11	8	15	8	21	9	9	11	8	10	5	10	12	15	12
	UQ																								
	LQ																								
h'F2	MED									U 360	230	270	280	290	270	260	260	260	245	240					
	CNT									2	7	6	14	10	18	12	17	14	14	5					
	UQ																								
	LQ																								
h'F	MED	300	300	300	295	280	280	240	220	220	245	205	200	U 200	U 200	U 210	220	220	240	230	220	240	255	300	290
	CNT	18	21	23	21	21	19	13	14	17	10	9	8	4	4	3	5	8	12	14	11	13	18	22	18
	UQ																								
	LQ																								
M(3000)F2	MED	265	270	270	280	305	295	295	330	310	315	U 320	320	U 335	U 330	U 340	U 325	325	320	345	U 325	300	275	270	265
	CNT	13	20	18	16	16	17	14	8	9	8	4	5	1	2	3	4	6	6	6	3	8	9	13	10
	UQ																								
	LQ																								
foF1	MED									U 390			U 540												
	CNT									1			4												
foE	MED							E	215																
	CNT							1	2																
h'E	MED							E 189	102	101	101	101	101	101	101	101	101	101	101	99					
	CNT							2	13	17	18	16	17	14	14	16	16	13	16	8					
foEs	MED																								
	CNT																								

SWEEP 1.2 MC TO 18.0 MC IN 30 SECONDS.

MARCH, 1961

OKINAWA [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]																							
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP [illegible] MC TO 25. MC IN 5 SECONDS.

FEBRUARY, 1961

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 5 SECONDS.

JANUARY, [illegible]

TABLE [illegible]

JULICH FOR HOEN, GERMANY [illegible] TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	26	27	26	26	24	23	23	24	45	70	81	83	[illegible]			78	77	60	46	38	31	30	26	25
	CNT	2	14	2	21	4	23	24	25	45	60	69	69			7	26	27	26	28	28	25	24	22	22
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	32	32	31	30	30	29	27	30	35	33	29	29	29	29	29	29	29	29	29	29	29	29	29	29
	CNT	1	18	24	28	28	28	24	24	30	31	30	28	29	29	29	29	29	29	29	29	29	29	29	29
	UQ																								
	LQ																								
M(3000)F2	MED	240	245	240	230	245	245	260	265	270	270	265	260	260	260	260	260	260	260	260	260	260	260	260	260
	CNT	18	17	22	20	24	23	22	24	27	27	24	24	24	24	24	24	24	24	24	24	24	24	24	24
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED			E		E																			
	CNT			1		2																			
h'E	MED																								
	CNT																								
foEs	MED	25	15	15	14	16	18	20	21	17	23	24	27	[illegible]											
	CNT	5	14	12	24	25	17	13	9	19	190	15	8												

SWEEP [illegible] MC TO 20.0 MC IN 25 SECONDS.

[illegible]

TABLE 64

SAO PAULO, BRAZIL (23.5S, 46.5W) TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	115	112	75	73	63	60	70	74	85	97	107	113	112	120	126	126	124	115	115	113	105	100	115	113
	CNT	13	14	15	14	18	17	22	23	20	17	15	14	18	20	19	20	17	20	17	13	11	12	11	11
	UQ	124	119	110	99	84	72	93	96	99	94	110	115	125	128	130	134	132	126	125	128	116	120	140	140
	LQ	72	72	53	45	52	42	41	47	71	81	89	92	100	108	120	117	114	112	98	97	85	79	65	78
h'F2	MED														305	315	325	300	300						
	CNT														11	10	11	11	7						
	UQ																								
	LQ																								
h'F	MED	281	271	254	240	241	245	245	242	240	[illegible]	220	[illegible]			210	215	220	235	255	260	320	330	305	300
	CNT	23	23	28	22	19	17	21	18	19	-	5	4	2		6	5	4	15	18	20	18	18	20	21
	UQ																								
	LQ																								
M(3000)F2	MED	310	290	300	280	260	250	310	290	270	260	250	245	245	250	265	270	285	280	280	270	270	270	265	270
	CNT	13	14	15	14	18	17	20	22	18	14	14	14	18	20	19	20	17	20	16	12	10	12	11	11
	UQ																								
	LQ																								
foF1	MED														1		1								
	CNT																								
foE	MED							U 230	U 240	U 330	U 350						2	2	4						
	CNT							4	11	15	4	1													
h'E	MED							119	111	114	113	111	E												
	CNT							10	17	12	11	8	2	4	1	2	4	2	2	1					
foEs	MED	39	U 33	U 29	U 28	U 32	U 38	U 36	U 33	U 34	U 40	U 41	U 42	U 42	U 44	U 48	U 40	U 36	U 32	U 30	U 31	U 39	U 31		
	CNT	8	7	5	4	4	11	16	21	19	150	15	11	10	7	9	10	9	13	8	7	5	5	4	4

SWEEP 1.0 MC TO 25.0 MC.

DECEMBER, 19[illegible]

TABLE [illegible]

MUNDARING, WESTERN AUSTRALIA (32.0S, 116.2E) TIME 120.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	68	U 62	55	50	48	46	51	58	60	67	72	81	82	87	90	88	83	75	76	74	74	U 72	70	64
	CNT	26	26	27	29	30	27	29	28	23	23	24	23	24	26	25	26	24	29	28	28	[illegible]	26	27	[illegible]
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	270	260	U 270	U 280	280	285	245	230	220	220	220	200	215	220	225	220	210	225	U 240	260	255	270	U 275	U 280
	CNT	24	21	28	26	25	28	28	28	22	20	16	15	12	13	15	19	14	25	28	29	27	27	25	23
	UQ																								
	LQ																								
M(3000)F2	MED	280	280	285	275	280	300	310	300	280	290	285	280	280	[illegible]	280	[illegible]	285	285	290	300	[illegible]	285	240	260
	CNT	22	18	24	23	23	25	29	27	22	21	20	22	21	[illegible]	25	26	22	29	[illegible]	22	[illegible]	[illegible]	21	20
	UQ																								
	LQ																								
foF1	MED								420	460	480	540	550	540	570	540	500	500	450						
	CNT								7	14	[illegible]	15	16	13	[illegible]	[illegible]	[illegible]	20	15	3					
foE	MED						E 100	220	280	240	250	270	250	380	380	380	360	335	300	255					
	CNT						30	22	25	23	26	27	25	25	[illegible]	[illegible]	24	23	23	21	4				
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.6 MC TO 20.0 MC IN 18 SECONDS. DECEMBER, 196[illegible]

TABLE [illegible]

[illegible] (56.[illegible], 110.5[illegible]) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U [illegible]	U [illegible]	U [illegible]	U 57	U [illegible]	U [illegible]	U 60	U 57	U 56	U 53	U 51	U 55	U 58	U 56	U 49	U 53	U 48	U 49	U 50	U 46	U 50	U 50	U 52	U 54
	CNT	[illegible]	18	15	14	[illegible]	7	12	14	16	19	17	17	19	18	18	19	18	17	20	19	21	20	18	18
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	[illegible]	210	215	[illegible]	[illegible]	200	[illegible]	200	200	200	220	230	240	260	270	265	260	260	250	240	240	230	220	210
	CNT	[illegible]	21	18	[illegible]	[illegible]	[illegible]	7	18	18	15	21	17	16	18	18	16	18	14	15	17	17	18	15	19
	UQ																								
	LQ																								
M(3000)F2	MED	U [illegible]	U [illegible]	U [illegible]	U [illegible]	U [illegible]	U 230	U [illegible]	U 220	U 230	U 230	U 225	U 240	U 245	U 240	U 260	U 260	U [illegible]	U 270	U 265	U 285	U 265	U 255	U 250	U 250
	CNT	18	[illegible]	14	[illegible]	8	6	11	13	14	18	15	16	16	16	16	16	16	15	17	17	13	19	18	17
	UQ																								
	LQ																								
foF1	MED	[illegible]	440	450	[illegible]	450	U 500	440	430	420	410	400	390	U 370	U 330	U 300							380	U 410	420
	CNT	22	[illegible]	14	[illegible]	11	7	11	16	17	21	21	20	18	13	6	4	2		1	1	3	11	16	19
foE	MED	300	320	340	340	350	350	350	320	310	300	280	260	240	210	180	U 160	U 150	U 150	U 160	180	220	240	280	290
	CNT	21	17	14	16	7	8	7	12	17	16	19	17	15	15	18	16	9	8	12	15	17	17	16	16
h'E	MED	[illegible]	[illegible]	107	[illegible]	100	100	100	100	100	100	100	110	110	110	105	100	105	105	100	110	110	110	100	100
	CNT	20	21	18	21	14	14	16	16	19	18	18	18	[illegible]	13	10	7	7	6	10	12	16	18	17	17
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 15 SECONDS. DECEMBER, 196[illegible]

TABLE [illegible]

INVERNESS, SCOTLAND (57.4N, 4.2W) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	28	24	[illegible]	[illegible]	27	26	31	46	[illegible]	80	90	[illegible]	[illegible]	[illegible]	88	80	77	59	48	38	[illegible]	31	30
	CNT	26	16	20	20	[illegible]	[illegible]	22	[illegible]	[illegible]	[illegible]	27	27	[illegible]	[illegible]	[illegible]	[illegible]	27	24	22	20	19	[illegible]	14	10
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	250	255	255	[illegible]	265	[illegible]	[illegible]	[illegible]	[illegible]	305	310	310	305	315	315	315	310	310	305	300	285	[illegible]	260	260
	CNT	10	11	13	[illegible]	17	[illegible]	13	[illegible]	21	[illegible]	24	26	27	27	[illegible]	22	17	20	17	19	[illegible]	17	11	8
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP [illegible] NOVEMBER, 19[illegible]

TABLE 6E

[illegible] RUGEN, GERMANY (54.6N, 13.4E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	75	[illegible]	103	[illegible]	[illegible]	104	[illegible]	[illegible]	74	[illegible]	[illegible]	34	27	27	28
	CNT	[illegible]	21	24	24	24	[illegible]	24	27	27	[illegible]	8	27	28	26	28	30	28	29	30	[illegible]	25	25	23	21
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	330	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	240	240	235	230	230	225	225	240	260	300	340	370
	CNT	11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22	[illegible]	[illegible]	27	28	27	27	27	28	29	29	28	30	28	24	26	21	20
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	250	[illegible]	[illegible]	320	320	310	315	315	315	320	315	310	310	310	290	260	250	240
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	28	27	27	26	27	30	26	28	30	29	24	25	23	20
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED								U 170	[illegible]	230	[illegible]	[illegible]	275	275	260	225	175	160						
	CNT								4	[illegible]	[illegible]	[illegible]	10	[illegible]	7	12	14	10	1						
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	15	14	[illegible]	15	18	14	[illegible]	24	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17	20	19	20	24	19	20	20
	CNT	4	[illegible]	11	[illegible]	[illegible]	14	6	[illegible]	[illegible]	[illegible]	15	13	10	[illegible]	14	15	17	10	6	5	[illegible]	[illegible]	2	2

SWEEP [illegible] MC TO [illegible] MC IN [illegible] SECONDS. NOVEMBER, 196[illegible]

SINGAPORE, REPUBLIC OF MALAYA [illegible] TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	87	81	72	66	73	67	64	60	78	104	124	111	114	112	111	112	U 124	U 122	U 123	U 121	U 124	U 124	U 117	U 96
	CNT	28	27	27	25	25	25	28	27	27	24	30	40	28	30	40	28	27	27	27	24	24	23	27	24
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	275	275	280	290	315	315	315	305	280	255	250	245	230	220	225	240	235	235	230	230	260	265	300	275
	CNT	29	27	27	28	25	23	28	27	27	24	30	28	29	30	30	28	25	27	29	30	27	26	25	25
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED	110	115	95	90	95		160	170	330	360	375	370	320	280	270	240	200	230						100
	CNT	5	4	1	1	1		9	24	22	24	24	24	14	15	21	16	10	10						1
h'E	MED																								
	CNT																								
foEs	MED	E 11	E 12	E 11	E 8	E 10	U	E 14	E 27	E 33	E 40	E 48	E 45	E 35	40	F 17	32	14	27	31	43	30	31	72	18
	CNT	14	21	18	19	14	16	29	24	28	28	27	25	25	28	28	25	15	40	30	28	21	17	15	17

SWEEP [illegible] NOVEMBER, 1960

TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	140	130	115	97	83	74	74	86	96	97	111	118	U 126	U 132	U 138	U 140	U 145	U 145	U 144	U 136	U 130	U 125	U 147	U 140
	CNT	31	30	17	14	17	14	11	14	29	29	21	26	27	27	26	22	24	22	20	20	8	5	8	15
	UQ	156	147	134	111	96	86	77	98	117	113	115	125	132	140	145	150	174	155	151	148	163	148	155	142
	LQ	125	114	96	78	68	62	71	81	89	93	106	115	123	127	134	134	135	138	130	120	126	97	99	100
h'F2	MED												1	5	1	930 7	4	935 7	4						
	CNT																								
	UQ																								
	LQ																								
h'F	MED	270	270	280	290	290	290	290	285	280	265	245	230	U 210	U 200	210	U 230	230	240	260	295	320	290	295	290
	CNT	29	27	28	24	21	21	27	21	19	12	16	10	9	6	14	8	19	20	17	21	20	23	24	24
	UQ																								
	LQ																								
M(3000)F2	MED	U 40	U 35	25	20	20	20	20	25	25	25	30	35	U 270	260	U 250	250	U 244	270	270	275	280	285	U 285	U* 270
	CNT	12	13	12	14	15	17	17	21	17	14	20	24	27	23	26	22	22	21	19	14	8	5	7	14
	UQ																								
	LQ																								
foF1	MED												1	1	2										
	CNT																								
foE	MED							U 250	U 290	U 340	U 350	U 400						U 320							
	CNT							8	14	10	7	5	1	1		1	2	5	3						
h'E	MED							119	115	113	113	118	114					117							
	CNT							10	17	15	14	10	4	3	3	1	2	6	4						
foEs	MED			U 30		U 32	U 30	27	U 31	U 39	U 40	U 41	U 46	U 46	U 49	U 52	U 49	U 40	U 34	U 48	U 33	U 40	U 30	U 42	U 31
	CNT	1	2	4	6	10	13	15	19	17	14	13	10	11	9	10	9	15	18	12	11	4	7	5	6

SWEEP 1.0 MC TO 25.0 MC, NOVEMBER, 196

MUNDARING, WESTERN AUSTRALIA [illegible] TIME 120.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	49	50	50	47	44	44	52	60	65	70	76	81	U 86	89	93	85	86	83	U 82	80	72	70	70	63
	CNT	22	21	22	25	25	26	26	24	21	18	21	27	21	24	25	25	26	25	25	21	25	26	26	21
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	U 265	E 270	275	U 270	280	270	250	230	220	210	210	210	210	210	220	220	220	230	250	240	240	260	280	U 280
	CNT	21	24	24	24	23	27	28	23	21	14	15	12	7	14	18	13	4	18	28	30	27	27	24	22
	UQ																								
	LQ																								
M(3000)F2	MED	280	280	280	280	280	290	300	300	290	285	285	280	280	280	280	285	290	285	280	310	290	290	280	270
	CNT	20	19	19	23	21	22	25	24	22	18	21	21	22	25	24	25	24	27	20	12	15	17	18	19
	UQ																								
	LQ																								
foF1	MED								440	440	500	500	520	505	540	530	500	480	460						
	CNT								4	10	13	14	14	16	15	18	9	18	15						
foE	MED							220	280	310	340	360	370	375	360	350	320	330	290	290					
	CNT						4	11	21	20	17	21	17	21	23	22	22	24	24	17	4				
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 20.0 MC IN 18 SECONDS, NOVEMBER, 196

TABLE 72

HAWSUN, ANTARCTICA 67.1S, 62.9E TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 54	U 51	U 50	U 47	U 57	U 66	U 64	U 68	U 70	U 76	U 73	U 70	U 60	U 57	U 54	U 44	U 52	U 48	U 44	U 44	U 50	U 51	U 52	U 53
	CNT	19	19	19	17	17	14	17	16	20	22	24	22	21	23	22	21	18	18	14	18	19	18	16	16
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	290	290	290	290	290	290	290	295	295	295	295	295	295	285	U 265	U 241	285	U 290	U 285	U 290	U 285	U 300	U 290	U 280
	CNT	19	19	16	16	16	16	15	14	21	21	19	14	10	11	18	19	14	16	15	18	18	17	14	16
	UQ																								
	LQ																								
M(3000)F2	MED	U 290	U 290	U 290	U 290	U 290	U 290	U 290	U 290	U 295	U 295	U 295	U 295	U 295	U 295	U 295	U 295	U 290	U 285	U 280	U 270	U 270	U 275	U 270	U 280
	CNT	13	14	15	16	14	14	14	17	14	21	23	21	21	21	24	21	12	16	12	14	14	17	12	13
	UQ																								
	LQ																								
foF1	MED		U 440	U 460	U 470	U 480	U 480	U 490	U 490	U 480	U 470	U 460	U 460	U 440	U 420										
	CNT	3	7	10	13	9	8	7	11	12	15	17	16	12	7	2	1								1
foE	MED	E 210	U 260	U 280	U 290	U 300	U 340	U 350	U 340	330	340	U 330	310	U 300	U 300	260					E 100	E 100		E 100	E 100
	CNT	7	10	10	11	9	8	10	13	6	8	10	10	11	9	5	4	4	1	4	5	6	3	6	10
h'E	MED	E 110	E 110	E 110	110	110	100	100	100	100	100	110	110	110	E 115	E					E	E		E	E
	CNT	7	11*	10	11	11	7	6	12	6	7	9	4	11	4	5	4	4	1	4	5	6	3	6	10
foEs	MED																								
	CNT																								

WEEP 1.0 MC TO 20.0 MC IN 15 SECONDS, NOVEMBER, 19

TABLE 73

JULIUSRUH/RUGEN, GERMANY (54.6N, 13.4E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	42	42	40	37	30	28	33	50	63	72	77	96	94	104	102	96	85	82	73	67	51	44	42	41
	CNT	21	22	21	22	25	25	27	27	30	29	27	25	23	30	26	29	25	26	25	27	28	26	29	22
	UQ																								
	LQ																								
h' F2	MED									850	420	540	470	360	330		520								
	CNT									1	2	2	3	1	2		1								
	UQ																								
	LQ																								
h' F	MED	310	310	310	310	300	300	310	290	250	240	240	240	230	240	240	245	245	245	245	240	260	290	320	310
	CNT	25	25	25	24	23	26	27	29	28	31	28	29	30	31	28	27	29	30	27	27	25	26	25	23
	UQ																								
	LQ																								
M(3000)F2	MED	250	245	245	245	250	260	265	300	300	300	300	300	300	300	300	305	310	305	300	290	285	275	255	250
	CNT	18	19	19	21	21	21	27	29	28	26	27	25	24	29	26	25	25	23	24	27	26	25	20	20
	UQ																								
	LQ																								
fo F1	MED								330	380	410	410	440	420	400		380								
	CNT								1	1	3	2	2	2	2		1								
fo E	MED								190	230	270	295	305	310	300	280	270	U 225	U 195						
	CNT				1				11	16	16	9	13	12	14	13	14	14	3						
h' E	MED																								
	CNT																								
fo Es	MED	29	15	14	13	14	17	19	20	25	31	34	35	33	33	31	30	26	28	26	26	28	23	30	22
	CNT	1	7	9	15	12	7	5	13	14	220	26	25	18	15	14	15	17	14	13	12	7	4	2	3

SWEEP 0.5 MC TO 20.0 MC IN 25 SECONDS. OCTOBER, 1960

TABLE 74

PAZ, AUSTRIA (47.1N, 15.5E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	U 42	U 45	U 44	U 46	U 42	U 38	U 41	U 67	U 87	U 90	U 98	U 90	U 110	U 101	U 70	U 92	U 90	U 70	U 84	U 66	U 54	U 51	U 48	U 47
	CNT	14	14	20	18	16	17	14	19	21	22	22	23	23	24	23	22	22	20	20	20	21	19	18	18
	UQ	52	52	50	49	47	40	51	70	90	90	90	113	114	113	114	113	90	90	90	76	58	56	54	52
	LQ	40	41	40	40	38	35	35	56	80	84	90	89	90	90	90	90	89	84	68	56	49	45	40	40
h' F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h' F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
fo F1	MED																								
	CNT																								
fo E	MED																								
	CNT																								
h' E	MED																								
	CNT																								
fo Es	MED									U 33	U 34	U 36	U 36	U 36	U 36	U 36	U 32	U 34	U 29	U 31	U 31	U 33	U 28	U 39	U 30
	CNT	20	*20	20	20	20	19	20	21	21	210	22	22	23	24	22	22	22	20	21	21	21	20	20	21

SWEEP 2.8 MC TO 18.0 MC IN 50 SECONDS. OCTOBER, 1960

TABLE 75

SAO PAULO, BRAZIL (23.5S, 46.6W) TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	164	166	135	92	72	72	77	94	105	127	115	126	135	141	145	152	155	160	U 156	U 140	U 145	U 148	U 150	160
	CNT	20	22	22	21	21	20	19	21	21	19	21	19	18	17	14	18	23	21	22	20	13	16	17	22
	UQ	170	185	152	117	102	86	89	102	112	115	122	129	140	145	150	157	160	168	170	155	155	165	163	171
	LQ	142	135	118	70	54	55	70	87	94	104	112	121	128	138	143	147	152	144	135	123	128	138	140	137
h' F2	MED													1		3	3	300							
	CNT																	6							
	UQ																								
	LQ																								
h' F	MED	245	240	220	220	240	235	240	235	225	215	210	U 210			U 220	230	230	245	260	300	290	250	240	260
	CNT	21	21	22	22	22	21	20	21	19	18	15	5	3	1	8	12	20	21	23	24	24	23	22	23
	UQ																								
	LQ																								
M(3000)F2	MED	315	325	335	300	290	290	320	310	290	275	260	260	265	270	270	270	275	280	285	U 285	U 275	U 290	U 285	285
	CNT	19	18	21	20	19	17	18	20	20	17	19	18	15	17	17	19	22	21	18	9	6	11	8	17
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
fo E	MED							U 230	U 285	U 330	U 365							U 320							
	CNT							6	10	8	7	1	3			1	1	1	3						
h' E	MED								115	111	111	113		2		1		U 122	118	2					
	CNT							2	9	16	15	9	3					6	6						
fo Es	MED				U 27	U 30	U 26		30				U 51	U 51	U 46	U 41	U 38	U 34	U 31	U 28	U 26	U 32			
	CNT			2	5	7	10	14	14	17	150	10	4	7	8	8	7	15	13	7	8	7	1	3	1

SWEEP 1.0 MC TO 29.0 MC.

TABLE 76

MUNDARING, WESTERN AUSTRALIA (32.0S, 116.2E) TIME 120.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	51	53	48	46	44	44	55	61	67	70	82	90	86	96	90	90	88	85	80	76	U 75	U 68	U 63	U 59
	CNT	28	27	29	29	28	29	30	29	29	27	27	26	29	28	30	29	29	30	28	24	27	29	29	29
	UQ																								
	LQ																								
h' F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h' F	MED	270	270	280	280	280	280	280	280	265	270	280	280	280	260	275	270	225	240	250	230	235	245	270	270
	CNT	29	30	30	30	28	30	30	30	30	28	30	30	28	25	29	30	29	30	29	29	30	30	30	29
	UQ																								
	LQ																								
M(3000)F2	MED	275	275	270	270	275	280	300	310	300	290	284	280	280	285	285	285	285	290	300	290	290	285	275	275
	CNT	28	27	27	28	29	27	30	30	28	29	29	28	29	28	29	29	29	30	26	24	24	28	29	29
	UQ																								
	LQ																								
fo F1	MED								3	450	430	500	520	500	500	500	480	460							
	CNT									14	25	21	14	24	27	27	14	12	3						
fo E	MED							210	275	310	340	360	365	370	375	365	345	315	270	210					
	CNT						1	29	30	29	26	30	29	29	26	29	29	28	24	24	1				
h' E	MED																								
	CNT																								
fo Es	MED																								
	CNT																								

SWEEP 1.0 MC TO 29.0 MC IN 25 SECONDS. OCTOBER, 1960

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	63	70	63	64	U 64	70	74	84	76	77	-	-	-	-	-	-	4	4	5	6	U 60	-	60	E 68
	CNT	16	10	14	24	16	24	25	26	22	27	2	1	1	24	21	24	27	24	24	24	20	21	21	10
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	325	330	330	335	325	290	265	245	240	240	225	220	240	240	240	245	240	240	245	250	260	260	260	270
	CNT	24	32	22	20	24	26	27	26	22	24	24	22	24	24	24	24	24	24	24	24	24	24	24	24
	UQ																								
	LQ																								
M(3000)F2	MED	245	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	275
	CNT	14	1	1	2	14	17	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	4
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED					U 120	140	160	167	U 180	180	175	170	U 165	160	155	150	U 145	140	135	130	U 125	120	150	100
	CNT			1		4	17	27	14	5	11	10	14	15	14	21	22	14	27	16	20	7	4	2	1
h'E	MED																								
	CNT																								
foEs	MED	E	E	6	11	E	E	E	E	E	34	23	4	E	E	E	E	E	25	4	1	E	4	15	10
	CNT	25	26	45	46	28	26	46	27	24	27	27	24	27	24	2	1	1	2	1	1	22	27	28	27

SWEEP

OCTOBER, 1960

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	68	74	67	63	60	69	84	86	70	73	80	77	74	74	76	73	74	74	76	77	74	73	66	65
	CNT	25	27	27	24	24	25	25	25	26	26	27	28	28	27	28	28	24	24	30	28	23	24	27	27
	UQ																								
	LQ																								
h'F2	MED								440	405	320	300	330	320	345	310	340	320	610	520					
	CNT								5	6	13	11	15	12	11	8	4	5	1	1					
	UQ																								
	LQ																								
h'F	MED	300	295	300	310	290	280	260	245	230	230	225	230	230	230	225	235	230	250	270	270	275	270	270	280
	CNT	24	30	24	40	24	27	24	24	24	22	21	22	29	23	22	25	26	27	27	26	30	28	27	28
	UQ																								
	LQ																								
M(3000)F2	MED	290	290	290	285	285	285	280	280	280	270	285	280	280	285	290	285	285	290	290	290	290	280	270	265
	CNT	24	27	23	22	22	24	24	24	26	23	25	27	28	27	26	28	29	29	30	28	29	27	24	26
	UQ																								
	LQ																								
foF1	MED							2	470	450	440	440	500	510	500		490	490	440	420					
	CNT							1	1	5	7	5	8	4	5		4	3	1	1					
foE	MED				E					160	160	160	165	360	360	355	345	325	300	260	200				
	CNT				2					1	18	14	20	5	4	12	14	22	22	26	5				
h'E	MED																								
	CNT																								
foEs	MED	32	19	15	15	15	20	26	35	35	40	40	40	40	41	38	G	36	34	33	33	33	33	28	25
	CNT	6	15	21	25	21	24	25	26	24	20	23	24	23	18	19	23	22	28	29	27	23	17	14	7

SWEEP 0.8 MC TO 20.0 MC IN 25 SECONDS.

AUGUST, 1960

TABLE 80

NATIONAL BUREAU OF STANDARDS, WASHINGTON, D. C.

TIME 10.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 70	U 70	U 67	56	42	42	38	36	42	U 100	102	104	112	114	114	114	118	118	118	112	93	88	81	82
	CNT	10	17	18	24	26	25	25	27	24	24	24	27	30	27	29	30	30	32	30	30	23	21	19	10
	UQ	84	74	73	69	60	54	49	47	54	116	116	117	122	121	120	120	121	120	120	116	98	88	86	80
	LQ	60	52	48	41	35	30	29	28	44	103	112	118	117	114	114	114	117	115	110	98	85	79	68	64
h'F2	MED																								
	CNT										1	2	1	1			1								
	UQ																								
	LQ																								
h'F	MED	340	335	335	340	345	340	340	345	335	320	310	300	290	285	280	275	280	280	280	280	310	310	310	310
	CNT	24	28	28	27	24	28	28	29	28	25	24	24	24	24	24	24	24	24	24	24	24	26	24	23
	UQ																								
	LQ																								
M(3000)F2	MED	285	U 315	L 315	311	310	300	290	290	290	290	285	285	280	280	280	280	280	280	280	U 280	U 280	U 285	U 285	U 285
	CNT	8	14	17	21	24	23	24	24	27	26	26	21	25	24	26	27	28	28	27	26	24	12	7	15
	UQ																								
	LQ																								
foF1	MED													1	1										
	CNT													1	1										
foE	MED								U 225	300	345	370	385	400	400	395	370	340	340	315					
	CNT								2	27	25	21	17	15	17	18	25	25	21	14					
h'E	MED								117	115	117	105	105	115	107	107	107	104	115	U 125					
	CNT								6	27	24	20	15	11	14	14	22	24	17	2					
foEs	MED	U 18	U 44	U 34						U 38	U 56	U 56	U 56	U 55	U 54	U 47	U 47	U 54	U 42	U 44	U 39	U 39	U 36	U 42	U 40
	CNT	13	6	8	14	14	12	16	27	25	27	21	25	25	27	29	28	27	29	26	18	7	12	11	10

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS.

AUGUST, 1960

TABLE 80

RAD PARILO, MIAMI, FLA.

123.55, 46.5W1

TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	1[a]	[a]	49	42	40	39	86	1 2	114	122	118	124	134	136	134	124	110	113	112	112				
	CNT	25	24	22	23	22	21	19	21	20	15	22	23	25	24	23	23	23	25	23	27	26	26	26	23
	UQ	118	110	104	91	64	54	47	78	91	110	116	130	127	134	125	142	144	142	141	134	129	126	124	122
	LQ	92	78	64	45	36	28	34	64	78	94	104	105	105	120	123	122	128	130	115	99	94	92	93	94
h'F2	MED											1	342	340	310	330	340	310	285						
	CNT											1	12	14	5	M	12	10	5						
	UQ																								
	LQ																								
h'F *	MED	335	335	335	345	325	340	330	340	340	320	320	310	300	300	310	320	330	340	335	330	325	330	330	330
	CNT	25	27	22	23	22	21	19	21	21	18	21	20	19	14	19	23	23	35	33	27	25	26	24	23
	UQ																								
	LQ																								
M(3000)F2	MED	325	330	345	435	410	395	390	335	330	315	305	300	285	280	280	290	295	305	320	320	300	305	310	310
	CNT	12	12	22	23	22	21	19	20	20	18	20	23	21	23	22	23	23	25	23	27	26	25	26	23
	UQ																								
	LQ																								
foF1	MED													1											
	CNT													1											
foE	MED								U 235	U 235	230	240	360	D 345			U 350	U 320							
	CNT								3	12	15	11	7	6			6	4	4						
h'E	MED								131	115	112	112	115	118		100	114	129							
	CNT								4	14	14	13	13	5	3	5	10	8	3	1					
foEs	MED	U 24								5	1	2	12	10	160	17	12	7	U 40	7	U 39		U 24	U 42	U 30
	CNT	6	4	3	3													16	14	12	6	4	6	6	6

SWEEP 1.0 MC TO 25.0 MC.

AUGUST, 1960

TABLE

[illegible] ANTARCTICA [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	30	28	26	26	24	25	25	42	52	68	74	81	83	82	74	71	74	65	61	65	55	44	46	50
	CNT	26	26	25	24	26	27	24	25	28	29	27	24	24	24	27	24	24	23	21	25	29	27	26	24
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	240	240	250	250	250	270	290	280	325	340	340	340	330	340	340	335	330	U 325	320	320	280	255	240	245
	CNT	24	24	24	24	25	24	22	24	27	27	22	20	21	19	24	26	20	19	17	23	24	24	22	23
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED	E 115	U 120	U 105	E 90				115	135	U 140	U 125	U 125	U 125	U 125	U 125	U 125	U 125	U 125	150	U 100				
	CNT	1	1	1	1				1	6	13	17	19	13	11	12	12	14	9	1					
h'E	MED																								
	CNT																								
foEs	MED	E 10	E 30	E 30	E 30	E 11	E 30	E 28	E 28	E 28	E 28	E 28	E 28	30	32	24	28	E 24	E 24	E 24	E 24	12	12	12	E 28
	CNT					3			18	28	280	28	27	24	28	24	24	24	24	24	24	24	28	24	

SWEEP [illegible] AUGUST, 1960

TABLE [illegible]

[illegible] TIME 15.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	74	74	74	74	74	74	74	74	70	70	70	75	75	75	77	77	74	74	72	76	74	74	70	70
	CNT	14	14	14	14	14	14	14	14	14	28	21	17	17	14	22	26	14	20	20	20	20	15	14	18
	UQ																								
	LQ																								
h'F2	MED							U 405	405	350	350	320	340	330	U 420	370	350	335	354	U 390					
	CNT							4	5	7	8	10	9	6	4	4	10	11	8	1					
	UQ																								
	LQ																								
h'F	MED	225	240	230	240	245	240	240	240	225	215	210	205	205	205	210	220	220	225	230	250	260	255	260	260
	CNT	22	23	24	24	24	24	17	12	16	13	15	14	12	10	13	13	10	14	17	15	15	2	21	21
	UQ																								
	LQ																								
M(3000)F2	MED	285	285	285	285	285	280	280	285	280	280	270	280	270	270	270	270	280	280	282	290	290	290	270	270
	CNT	13	11	12	21	25	26	17	19	19	18	17	16	18	18	21	22	23	19	18	19	21	11	12	16
	UQ																								
	LQ																								
foF1	MED							U 390	420	445	470	490	U 530	550	U 560	560	540	520	U 470						
	CNT							2	5	5	8	5	3	5	2	5	7	10	4						
foE	MED	E	E	E	E	E	E	200	260	310	335	350	360	370	370	365	360	350	328	300	258	200	E	E	
	CNT	8	4	11	11	10	12	24	25	27	25	27	25	25	26	23	17	21	22	24	26	19	7	5	
h'E	MED	E	E	E	E	E	E	125	110	110	100	100	100	100	100	105	105	105	110	110	115	125	E	E	
	CNT	6	9	11	11	10	17	16	25	25	22	26	27	26	18	24	25	25	24	24	25	11	8	5	
foEs	MED	26	E	E	25	22	30	38	37	37	47	43	42	47	47	48	42	42	40	35	37	37	34	33	25
	CNT	21	17	24	27	28	26	28	25	24	250	27	27	24	24	26	25	25	27	27	24	28	24	20	21

SWEEP 1.4 MC TO [illegible] MC. JUNE, 1960

TABLE

GRAZ, AUSTRIA (47.1N, 15.5E) TIME 15.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	66	68	62	64	58	65	73	74	80	86	86	85	82	84	81	83	81	79	79	85	83	78	67	67
	CNT	28	28	26	26	26	27	25	24	24	24	24	24	24	24	24	28	26	27	27	25	24	26	27	27
	UQ	70	70	66	64	64	67	84	87	91	92	93	92	92	91	89	86	86	83	86	88	89	84	84	79
	LQ	58	64	56	56	54	58	60	64	69	74	74	73	72	71	69	70	70	70	69	71	73	69	55	57
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED							U 37	U 42	U 46	U 44	U 49	U 50	U 46	U 45	U 44	U 55	U 43	U 47	U 46	U 43	U 43	U 43	U 35	
	CNT							25	24	25	280	24	24	24	24	24	28	24	30	24	24	24	28	24	

SWEEP [illegible] MC TO 18.0 MC IN [illegible] INCREMENT. JUNE, [illegible]

TABLE 84

[illegible] (11.6N, 43.2E) TIME 45.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED					U 77	92	98	80	94	107	104	109	110	114	114	118	107							
	CNT					1	2	10	10	1	2	1	23	19	16	15	2	6							
	UQ																								
	LQ																								
h'F2	MED											U 340	U 340												
	CNT											1	1												
h'F	MED	U 320	U 340	U 340	U 340	340	340	340	340	340	340	315	310	310	305	300	310	310	322	350	360	315	U 350	U 325	U 350
	CNT	3	1	1	2	1	13	24	24	22	22	24	24	18	16	15	12	19	18	22	23	8	3	3	3
	UQ																								
	LQ																								
M(3000)F2	MED					U 320	325	328	325	[illegible]	270	242	230	240	224	220	U 230	U 225							
	CNT					1	6	8	1	A	12	10	14	14	11	7	4	3							
	UQ																								
	LQ																								
foF1	MED											U 540	U 560												
	CNT											1	1												
foE	MED							124	140	145	150	170	195	200	205	210	205	240	U 285	285	E	E			
	CNT							14	10	20	21	17	14	17	17	23	17	8	1	2	20	1			
h'E	MED							E	E	U 110	U 120			U 110	U 120			U 110		E	E	E			
	CNT							22	2	2	3			2	1			2		2	23	1			
foEs	MED	50	51	21	31	32	25	27	41	70	58	69	70	70	70	70	70	70	54	42	35	E	E	E	E
	CNT	28	27	27	28	26	27	24	28	24	240	24	26	27	27	29	24	24	27	29	28	28	29	28	29

SWEEP 1.28 MC TO 20.0 MC. JUNE, 1960

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

JUNE, 1961

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

MAY, 1961

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	32	34	34	29	30	32	34	33	39	41	42	42	41	44	44	42	41	44	44	55	51	55	33	33
	CNT	20	20	21	22	11	22	23	23	22	23	17	17	17	18	20	19	19	28	23	28	29	23	27	24
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	269	273	270	274	275	280	278	280	277	276	276	276	276	276	277	276	276	277	277	277	276	276	276	276
	CNT	17	16	16	18	17	17	17	17	17	22	17	25	23	23	24	24	23	25	24	24	24	23	24	21
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	E	E		E	E	E	E	E	E	E				E	E	E		E	E	E	E	E	E	E
	CNT	14	14	12	14	14	16	18	17	15	13	12	10	10	12	13	13	14	21	16	13	14	12	13	13
		12	12	11	14	12	12	12	14	12	240	10	9	9	11	11	10	12	14	10	9	12	10	11	12

JUNE, 1961

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	76	67	66	63	64	71	74	74	81	82	80	80	81	84	88	86	85	85	90	89	84	78	66	66
	CNT	23	26	24	23	24	26	28	27	30	27	30	27	27	27	30	29	30	30	31	29	31	26	26	22
	UQ	87	88	87	82	87	97	110	88	92	94	96	99	130	94	94	96	92	96	91	90	89	89	70	67
	LQ	59	57	53	53	51	55	60	70	71	73	74	82	81	79	76	78	72	77	77	77	70	66	66	56
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED									E	E	E	E				U	U	U	U	U	U	U	D	D
	CNT		7	12	12	12	17	17	16	43	36	33	32				44	46	42	48	43	43			
									27	24	40	7	21	21	16	28	29	29	31	31	31	31	29	28	26

MAY, 1961

TABLE 89

DJIBOUTI, FRENCH SOMALILAND (11.6N, 43.2E) TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U	U	U	U	68	56	69	89	108	112	112	110	112	114	116	117	116	126		92				
	CNT	55	70	85	88	7	16	17	14	24	22	23	27	28	22	18	12	R	5		5				
	UQ	1	2	2	3																				
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	300	270	258	238	212	215	250	238	225	220	220	210	208	210	210	215	222	235	260	305	340	320	295	295
	CNT	11	11	10	16	22	25	29	26	26	25	23	14	20	19	19	21	22	18	25	29	R	R	9	9
	UQ																								
	LQ																								
M(3000)F2	MED	U	U	U	U	320	320	308	300	280	250	240	235	235	235	235	235	238	U		U				
	CNT	215	230	280	282	5	12	14	13	19	22	20	23	26	18	17	11	6	4		235				
	UQ	1	1	2	2																4				
	LQ																								
foF1	MED																								
	CNT																								
foE	MED	E	E				E		158	250	320	350	378	390	392	388	380	358	335	U 270	195	E	E	E	E	
	CNT	1	1				1		24	17	20	21	14	14	14	14	16	16	12	1	6	23	2	1	1	
h'E	MED	E	E				E	E	115	110		U 150	U 100		U 105	U 115	U 120	U 110	U 110	U	E	S	E	F	E	
	CNT	1	1				1	26	4	8		2	1		3	1	1	1	1	1	2	24	2	1	1	
foEs	MED	22	32	35	33	32	32	35	42	62	67	88	30	86	94	86	68	68	60	32	14	E	E		
	CNT	31	31	30	31	31	31	30	30	29	290	28	28	29	28	28	28	30	31	29	29	31	29	18	22
																								30	24

SWEEP 1.25 MC TO 20.0 MC. MAY. 1960

TABLE

(17.7S, 149.5W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]																							
	CNT																								
	UQ																								
	LQ																								
h'F2	MED								U 270	U 250	250	250	252	278	262	U 264	U 315								
	CNT								1	4	14	11	8	10	8	3	2								
	UQ																								
	LQ																								
h'F	MED	240	240	240	228	245	255	285	250	240	230	225	225	225	240	225	245	250	255	245	238	210	225	220	225
	CNT	[illegible]				31	28	29	28	30	31	28	26	29	27	25	27	28	29	30	30	25	31	30	31
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]				305	295	290	325	325	325	320	310	308	300	290	290	290	308	305	300	300	295	310	315
	CNT	[illegible]				28	27	28	26	25	31	28	27	28	27	28	24	19	16	13	13	11	17	17	21
	UQ																								
	LQ																								
foF1	MED											U 480	U 450	U 500											
	CNT											1	1	1											
foE	MED	E	E	E	E	E	E	E	225	300	340	U 365	370	U 380	355	350	330	280	200	E	E	E	E	E	E
	CNT	7	4	7	3	11	13	24	25	28	28	10	11	10	13	12	20	17	16	7	2	2	6	6	6
h'E	MED	E	E	E	E	E	E	E	122	110	105	105	100	100	100	105	110	115	125	E	E	E	E	E	E
	CNT	7	4	7	3	11	13	24	26	29	29	23	23	24	26	24	17	15	11	11	2	2	6	6	6
foEs	MED	26	24	24	24	26	28	26	31	31	G	31	32	40	42	45	38	36	35	35	34	31	30	27	26
	CNT	30	30	30	30	29	28	27	28	[illegible]		25	25	24	24	29	30	29	30	29	[illegible]	26	30	28	28

SWEEP 1.0 MC TO 17.0 MC. MAY. 1960

TABLE

TANANARIVE, MALAGASY REPUBLIC (18.8S, 47.5E) TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	29	29	29	29	29	29	48	86	105	110	110	110	109	108	106	106	106	102	89	68	53	45	40	39
	CNT	25	26	29	29	27	29	30	31	31	31	28	30	31	30	31	29	29	30	30	30	31	30	24	27
	UQ																								
	LQ																								
h'F2	MED										U 255	U 258	U 275	U 280	[illegible]	[illegible]	[illegible]								
	CNT										1	2	3	4	1	2									
	UQ																								
	LQ																								
h'F	MED	260	E 270	E 275	260	E 280	E 265	276	250	245	230	230	230	242	240	240	245	250	250	235	240	252	250	242	245
	CNT	27	30	31	29	30	31	30	31	31	30	28	28	28	25	29	28	30	31	30	30	30	31	31	31
	UQ																								
	LQ																								
M(3000)F2	MED	285	280	280	280	280	290	290	330	320	310	302	290	290	285	280	280	290	300	310	308	305	310	315	320
	CNT	25	25	29	29	27	28	30	31	31	31	28	30	31	30	31	29	29	30	30	30	31	30	28	27
	UQ																								
	LQ																								
foF1	MED															U 580									
	CNT															1									
foE	MED	E	E	E	E	E	E	E	222	290	340	350	365	[illegible]	358	330	325	280	200	E	E	F	E	E	E
	CNT	10	14	17	18	20	20	29	30	30	29	27	26	23	24	27	27	27	15	R	5	10	4	6	6
h'E	MED	E	E	E	E	E	E	E	120	115	110	110	105	105	110	110	120	120		E	E	E	E	E	E
	CNT	10	14	17	18	20	20	24	15	27	28	24	20	15	21	18	27	25	7	8	5	10	4	6	6
foEs	MEQ	24	25	25	23	24	25	31	27	G	F	G	[illegible]	27	32	37	40	32	27	31	28	27	27	28	28
	CNT	29	31	29	31	29	28	28	31	30	400	28	28	29	27	40	29	30	31	25	26	27	25	25	30

SWEEP 1.25 MC TO 20.0 MC. MAY. 1960

TABLE

SCOTT BASE, ANTARCTICA (77.9S, 166.8E) TIME 165.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	40	30	30	31	28	40	40	36	38	47	46	53	56	58	58	63	59	70	68	62	50	42	40	40
	CNT	20	[illegible]	20	18	20	18	18	20	22	27	28	27	26	28	27	27	28	26	26	27	25	25	28	24
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	275	270	270	[illegible]	[illegible]	[illegible]	270	260	[illegible]	[illegible]	[illegible]	[illegible]	260	260	270	265	260	270	255	260
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	18	16	17	[illegible]	[illegible]	[illegible]	28	25	[illegible]	[illegible]	[illegible]	[illegible]	28	26	26	27	21	23	28	22
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	24	26	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.0 MC TO 17.0 MC. MAY. 1960

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 17. MC.

APR. 1 TO

TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 20.0 MC.

APRIL, 19

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 22.0 MC IN 7 SECONDS.

APRIL, 19

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 22.0 MC IN 7 SECONDS.

MARCH, 19

TABLE 97

CAPE HALLETT, ANTARCTICA (72.3S, 170.2E) TIME 165.[illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	42	43	43	49	46	57	57	64	69	77	79	79	72	70	66	63	68	69	69	65	66	60	[illegible]	[illegible]
	CNT	15	15	18	15	13	13	12	18	21	24	19	21	23	26	25	23	23	21	22	22	30	17	21	11
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	255	275	270	290	265	270	270	280	270	280	280	270	275	275	280	275	265	270	270	270	275	270	[illegible]	270
	CNT	14	14	15	13	14	13	12	18	21	23	19	21	22	24	23	23	21	21	22	20	17	16	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	29	28	34	30	35	30	32	G	36	G	40	40	G	41	37	43	[illegible]	[illegible]	[illegible]	G	[illegible]	[illegible]	[illegible]	20
	CNT	26	28	28	28	27	27	25	26	28	280	27	27	24	27	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29	29

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. FEBRUARY, 196[illegible]

TABLE 98

[illegible]TT BASE, ANTARCTICA (77.[illegible], 1[illegible]) TIME 165.[illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	46	44	45	[illegible]	[illegible]	53	62	62	60	55	60	61	62	67	66	64	70	74	66	64	60	58	54	48
	CNT	20	[illegible]	20	[illegible]	23	13	14	15	21	24	23	22	27	27	[illegible]	26	24	26	25	25	25	27	25	24
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	240	245	242	[illegible]	[illegible]	250	250	260	250	245	250	245	242	245	240	245	240	245	245	250	250	245	240	245
	CNT	[illegible]	[illegible]	18	[illegible]	[illegible]	[illegible]	15	14	17	21	20	21	26	23	24	25	24	25	23	24	22	27	23	23
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	35	[illegible]	34	24	34	[illegible]	16	35	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	23
	CNT	27	25	25	24	23	23	23	22	24	260	[illegible]	26	28	27	27	26	25	27	26	27	26	27	27	27

SWEEP 1.0 MC TO 22.0 M[illegible] IN [illegible]. FEBRUARY, 196[illegible]

TAB[illegible]

CAPE HALLETT, ANTARCTICA (72.3S, 170.2E) TIME 165.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	44	43	48	46	48	55	58	51	68	[illegible]	68	[illegible]	[illegible]	64	[illegible]	[illegible]	64	65	64	67	65	54	[illegible]	51
	CNT	13	11	14	14	11	7	7	17	10	15	14	13	[illegible]	24	20	15	23	22	21	21	17	16	17	19
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	265	275	268	280	265	278	260	260	255	[illegible]	260	260	240	255	242	245	245	[illegible]	255	255	260	265	268	268
	CNT	13	11	14	14	11	6	4	17	10	15	10	13	14	24	20	25	[illegible]	22	21	21	17	15	19	19
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	38	41	42	52	42	42	[illegible]	G	47	34	36	44	[illegible]	[illegible]	[illegible]	41	42	[illegible]	[illegible]	[illegible]	[illegible]	G	[illegible]	[illegible]
	CNT	30	23	30	27	26	27	25	[illegible]	25	280	26	23	24	33	30	30	31	31	[illegible]	30	24	[illegible]	[illegible]	[illegible]

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. JA[illegible]

TABLE [illegible]

SCOTT BASE, ANTARCTICA (77.9S, 166.8E) TIME 165.[illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	46	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	50	[illegible]	[illegible]	[illegible]	50	[illegible]	[illegible]	60	65	[illegible]	[illegible]	63	60	55	51	51	51
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22	[illegible]	[illegible]	27	29
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	235	235	235	235	235	235	230	230	240	240	240
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21	24	27	27	29
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	G
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30

SWEEP 1.[illegible] M[illegible] [illegible]. JANUA[illegible]

USCOMM NBS BL

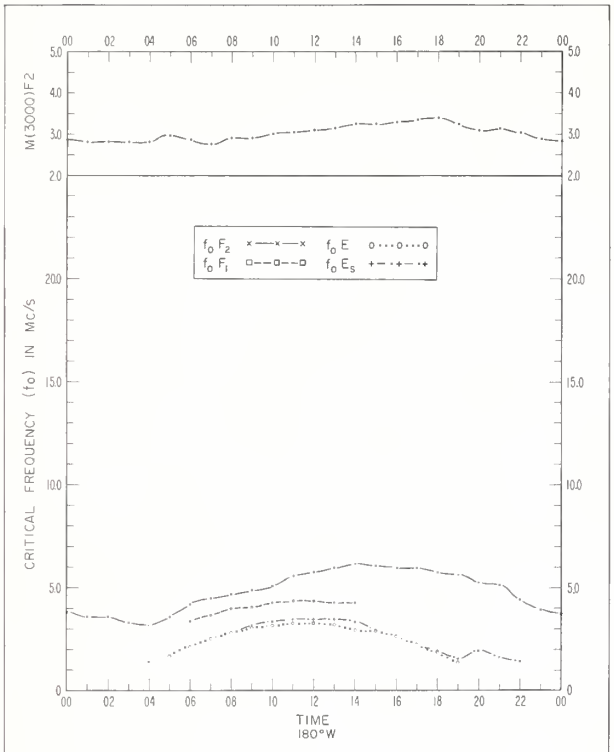

Fig 1 ADAK, ALASKA
51.9°N, 176.6°W
APRIL 1962

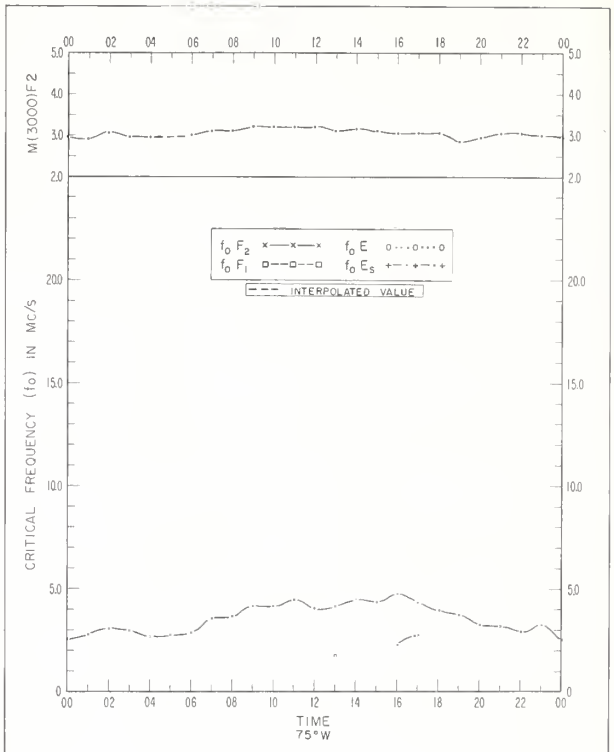

Fig. 2. THULE, GREENLAND
76.0°N, 68.0°W
FEBRUARY 1962

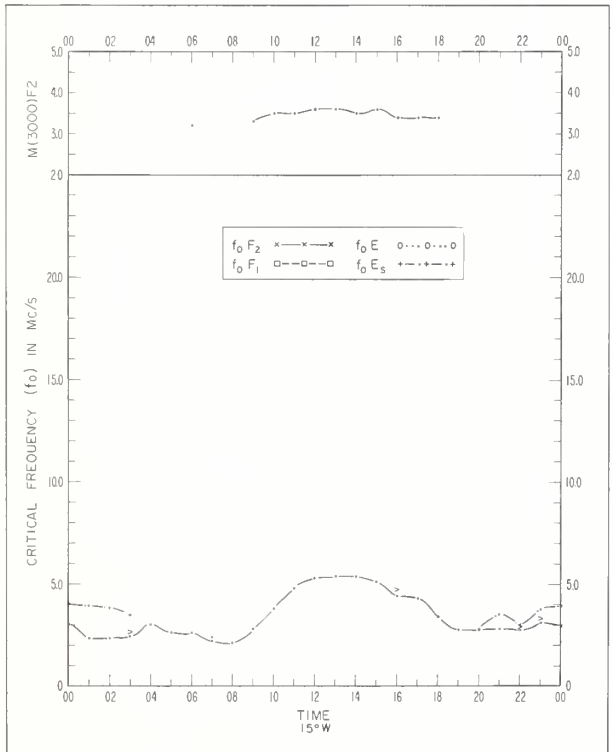

Fig 3. REYKJAVIK, ICELAND
64.1°N, 21.8°W
JANUARY 1962

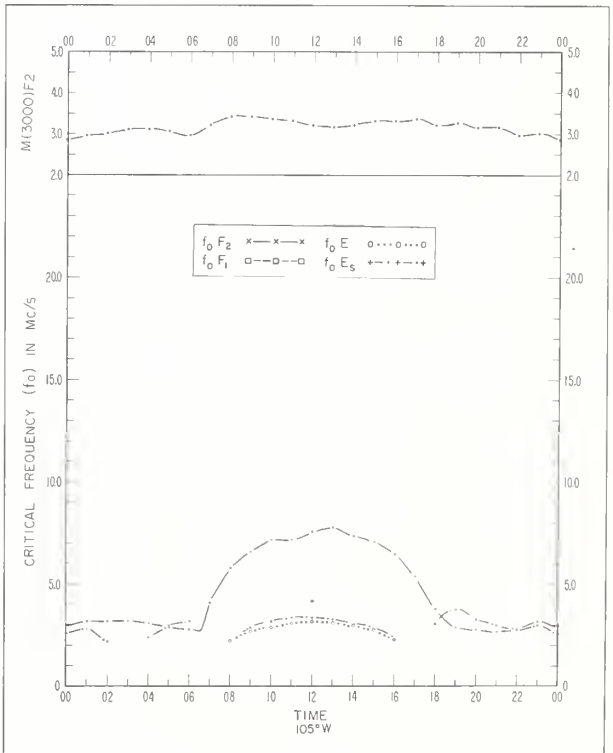

Fig 4. WHITE SANDS, NEW MEXICO
32.3°N, 106.5°W
DECEMBER 1961

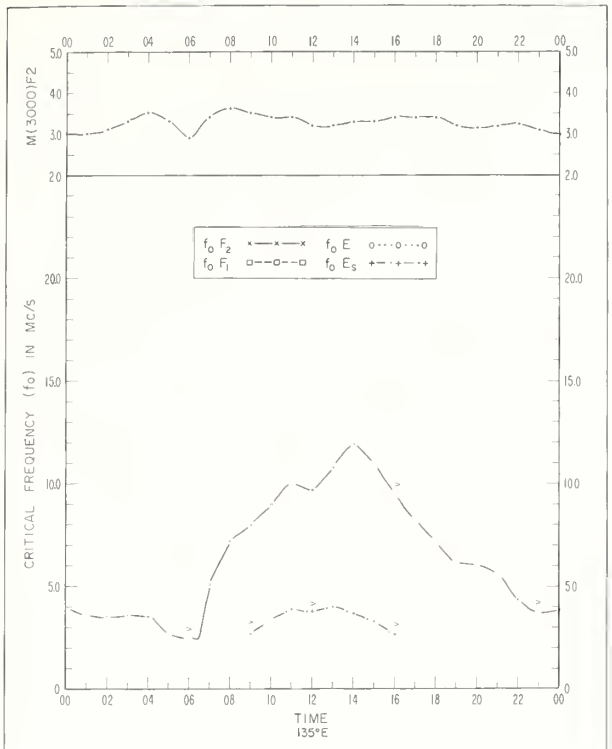

Fig. 5 OKINAWA I.
26.3°N, 127.8°E NOVEMBER 1961

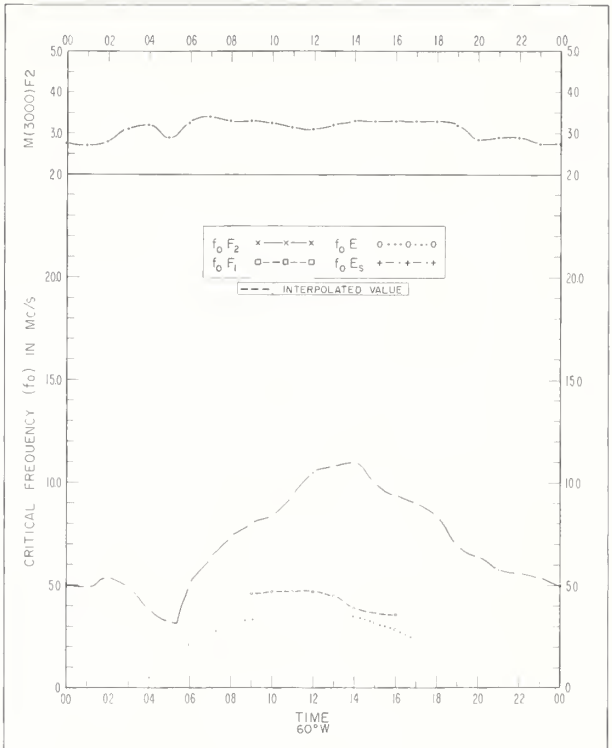

Fig. 6 BUENOS AIRES, ARGENTINA
34.5°S, 58.5°W SEPTEMBER 1961

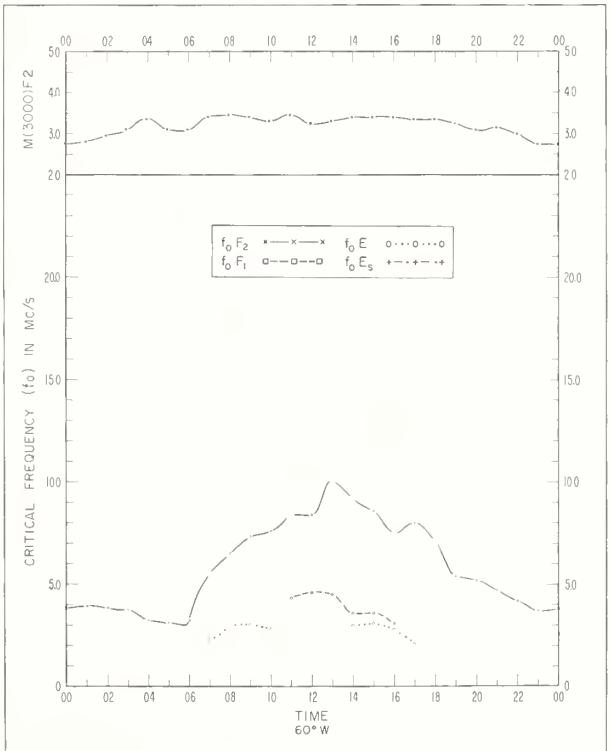

Fig. 7. BUENOS AIRES, ARGENTINA
34.5°S, 58.5°W AUGUST 1961

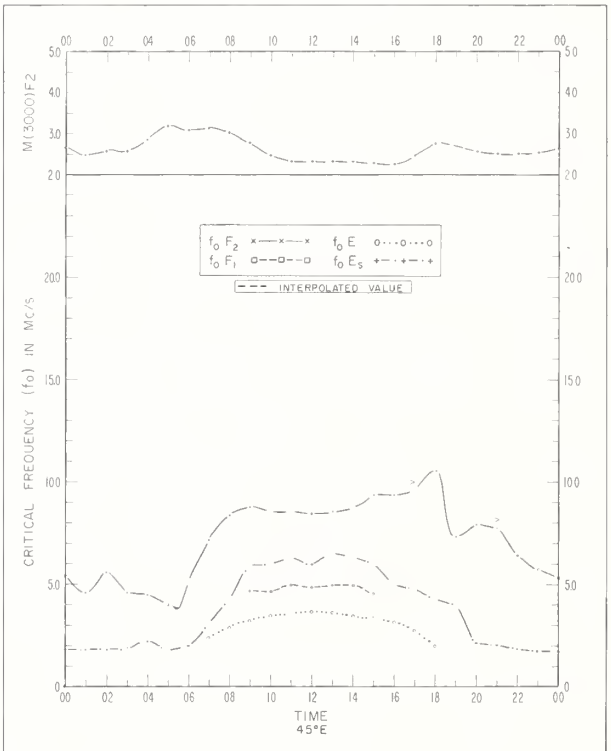

Fig. 8 DJIBOUTI, FRENCH SOMALILAND
11.6°N, 43.2°E JULY 1961

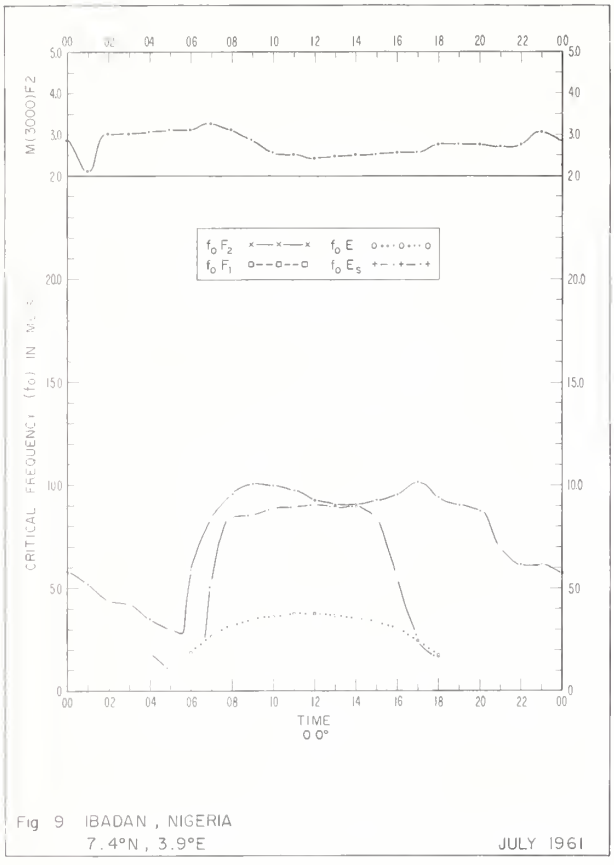

Fig 9 IBADAN, NIGERIA
7.4°N, 3.9°E
JULY 1961

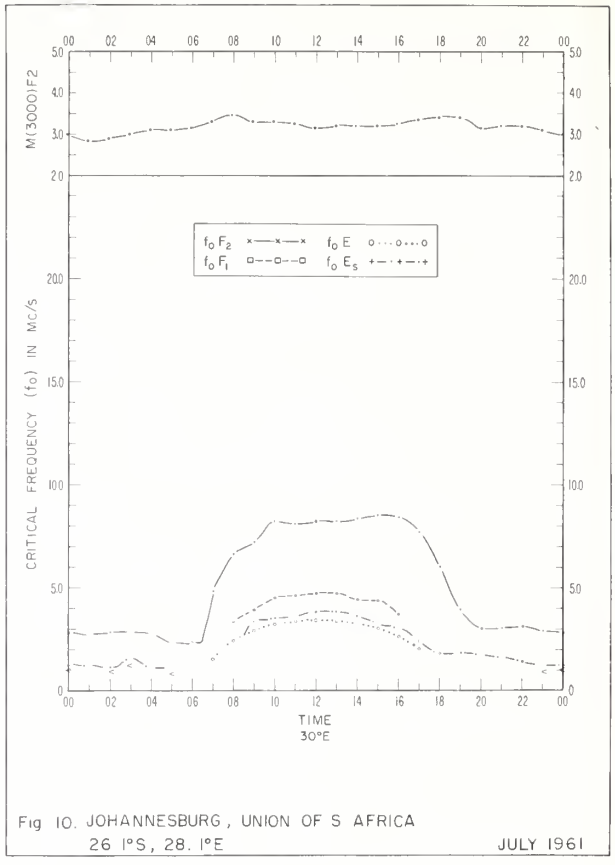

Fig 10. JOHANNESBURG, UNION OF S AFRICA
26 1°S, 28. 1°E
JULY 1961

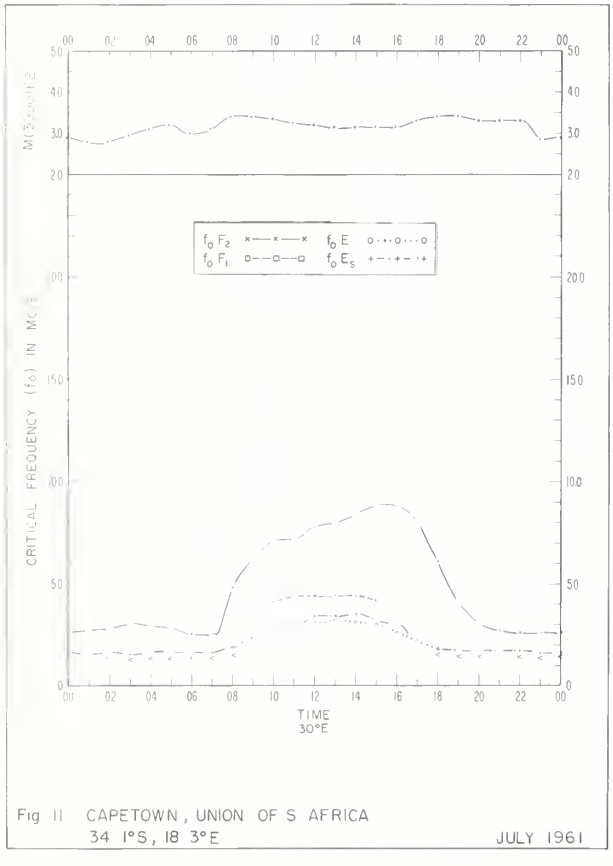

Fig 11 CAPETOWN, UNION OF S AFRICA
34 1°S, 18 3°E
JULY 1961

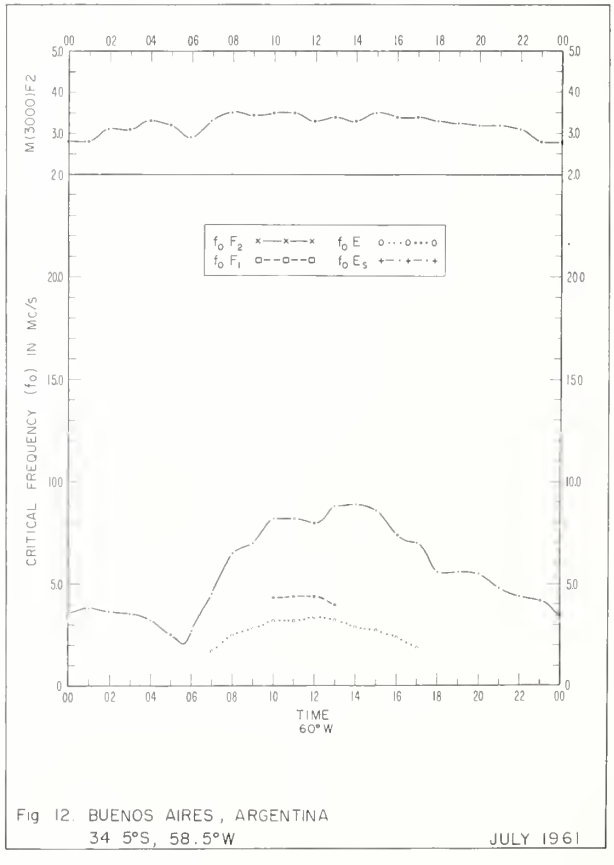

Fig 12. BUENOS AIRES, ARGENTINA
34 5°S, 58.5°W
JULY 1961

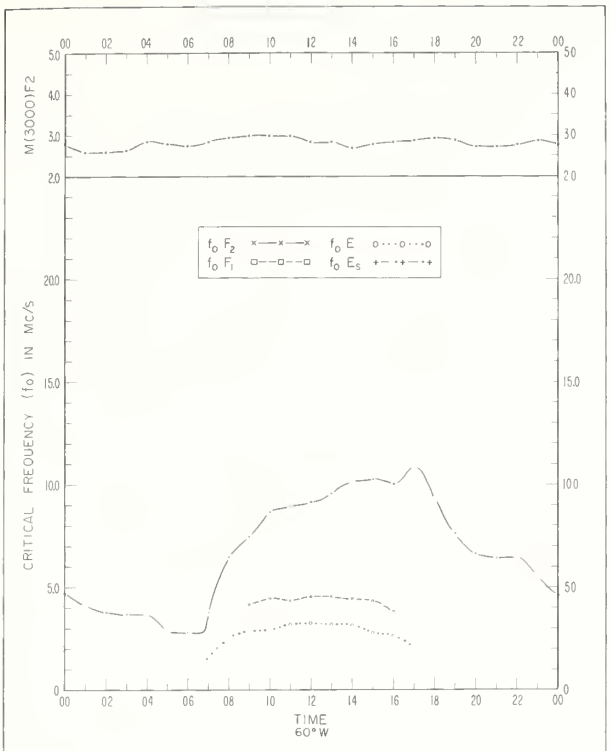

Fig 13 TUCUMAN, ARGENTINA
26 9°S, 65.4°W
JUNE 1961

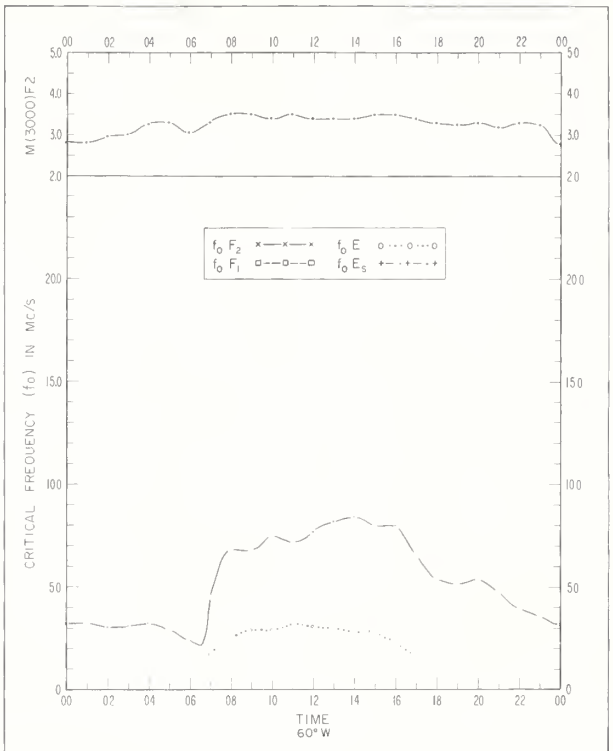

Fig 14. BUENOS AIRES, ARGENTINA
34 5°S, 58 5°W
JUNE 1961

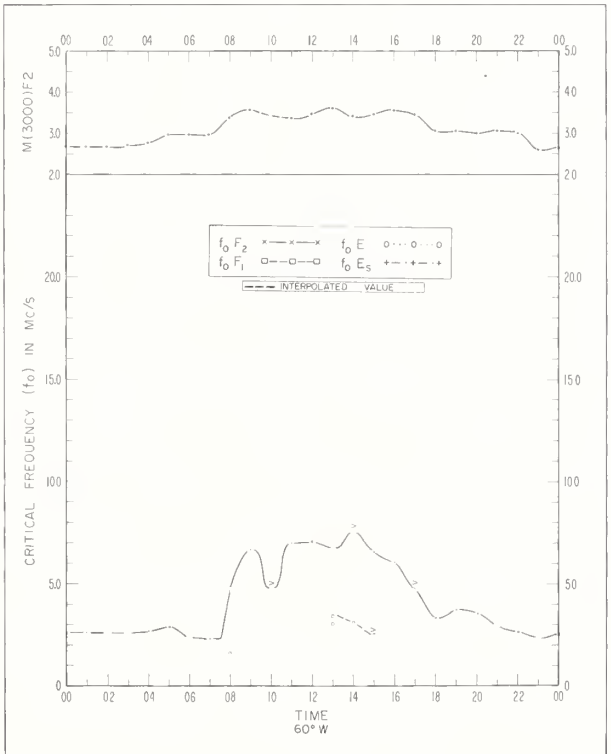

Fig 15 TRELEW, ARGENTINA
43.2°S, 65.3°W
JUNE 1961

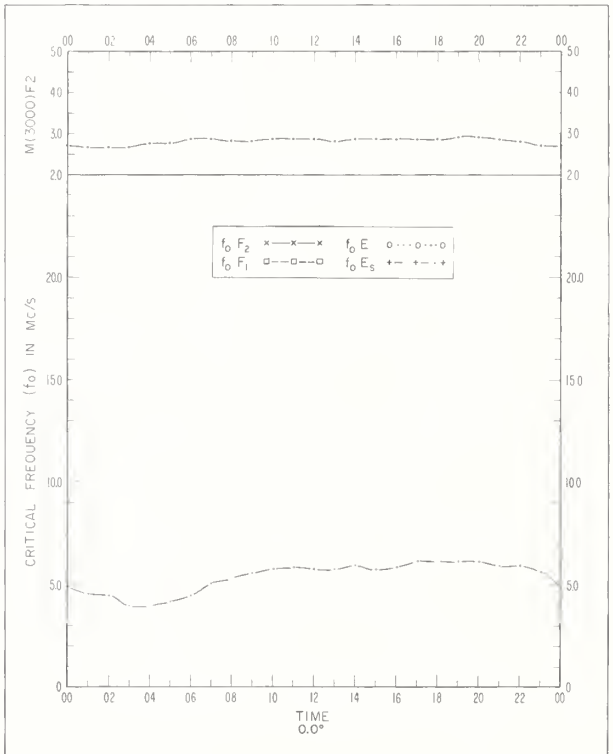

Fig 16. INVERNESS, SCOTLAND
57.4°N, 4 2°W
MAY 1961

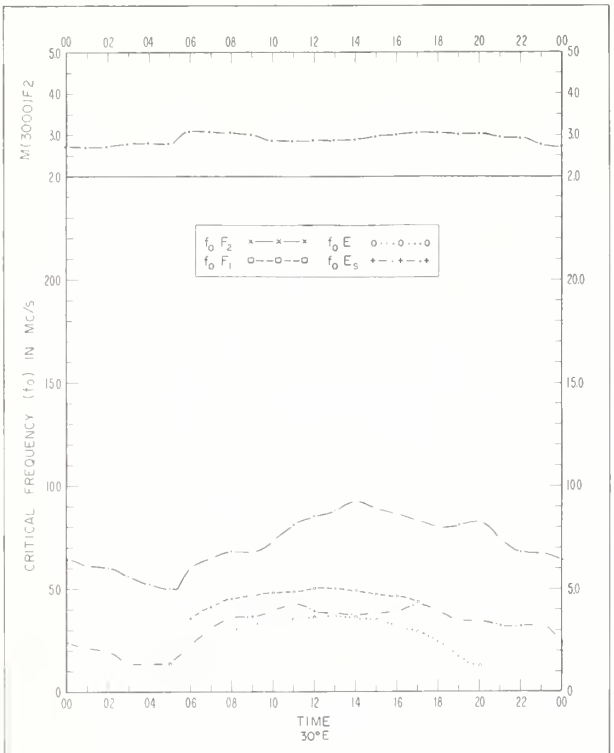

Fig 17 ATHENS, GREECE
38 0°N, 23.6°E
MAY 1961

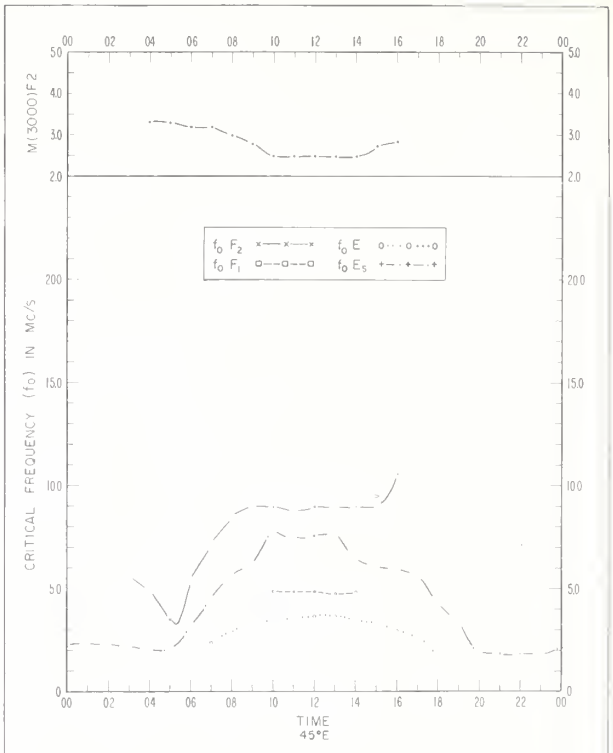

Fig 18 DJIBOUTI, FRENCH SOMALILAND
11 6°N, 43.2°E
MAY 1961

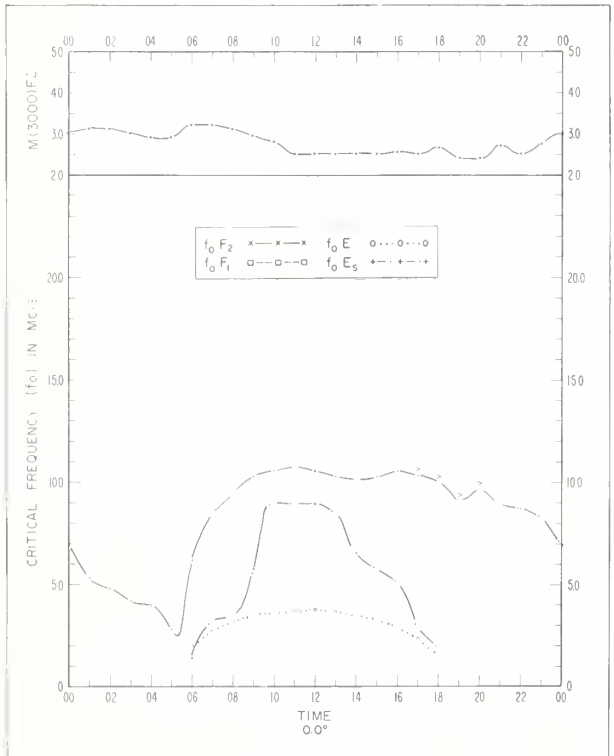

Fig. 19 IBADAN, NIGERIA
7 4°N, 3 9°E
MAY 1961

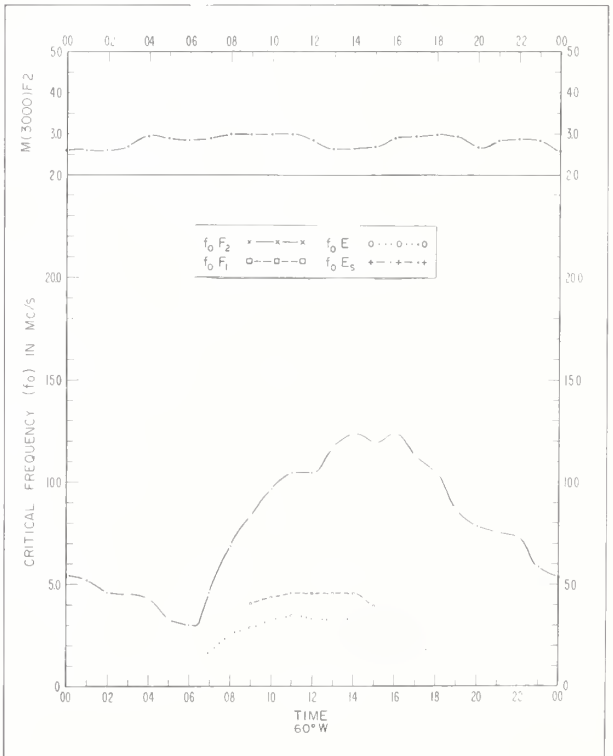

Fig 20. TUCUMAN, ARGENTINA
26 9°S, 65 4°W
MAY 1961

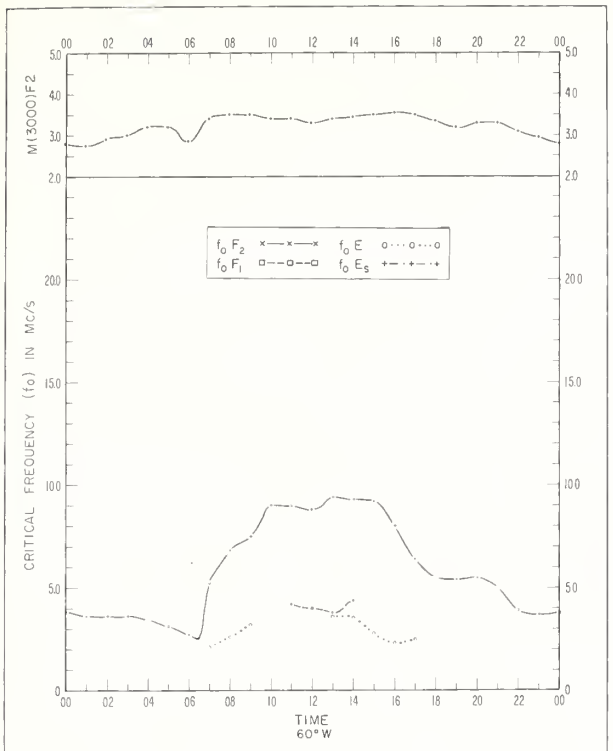

Fig. 21. BUENOS AIRES, ARGENTINA
34.5°S, 58.5°W MAY 1961

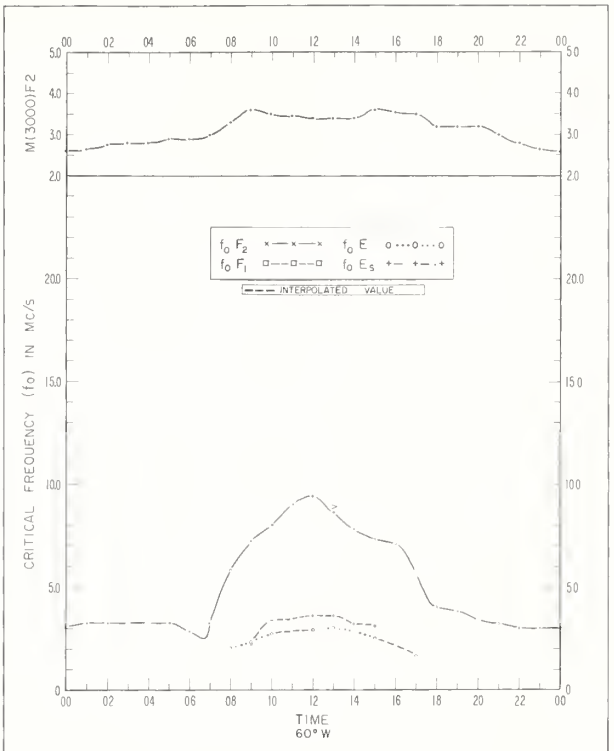

Fig 22 TRELEW, ARGENTINA
43.2°S, 65.3°W MAY 1961

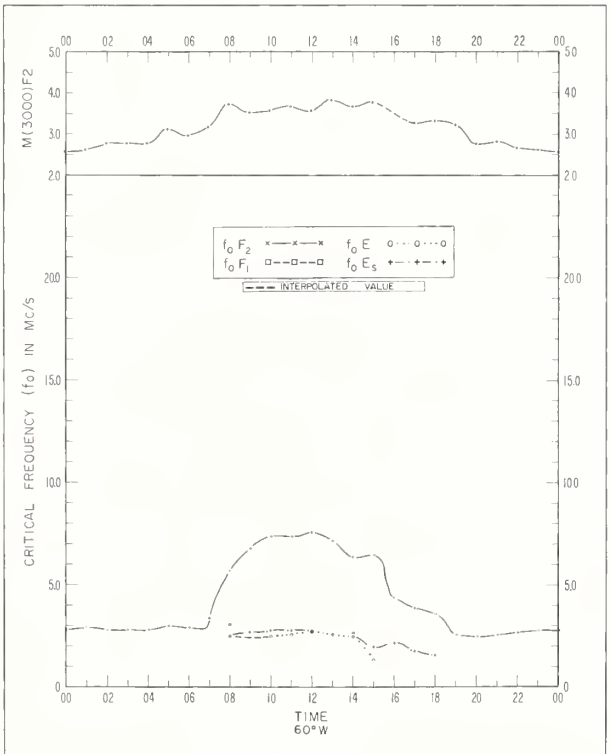

Fig 23. FALKLAND IS.
51.7°S, 57.8°W MAY 1961

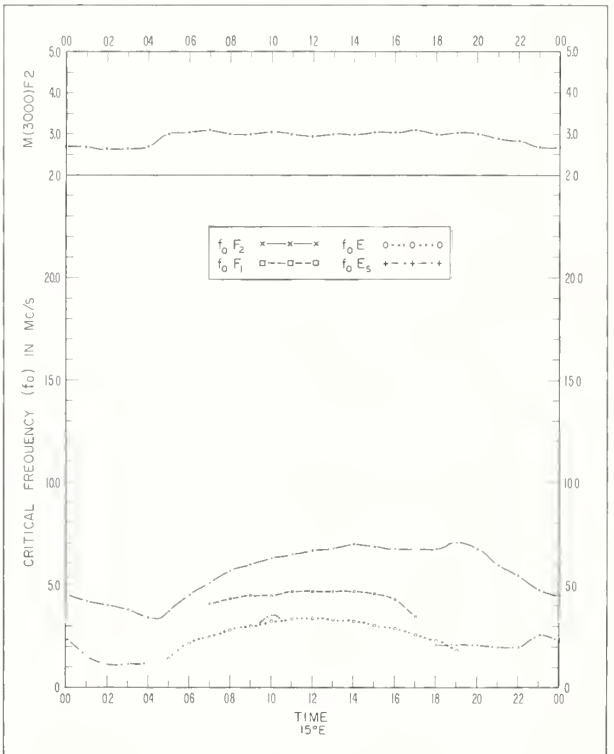

Fig 24 JULIUSRUH/RUGEN, GERMANY
54.6°N, 13.4°E APRIL 1961

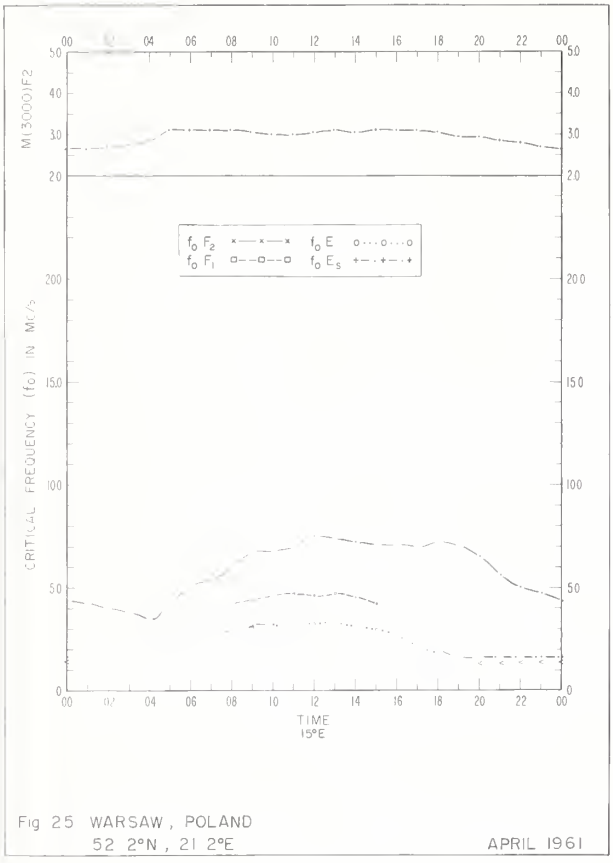

Fig 25 WARSAW, POLAND
52 2°N, 21 2°E
APRIL 1961

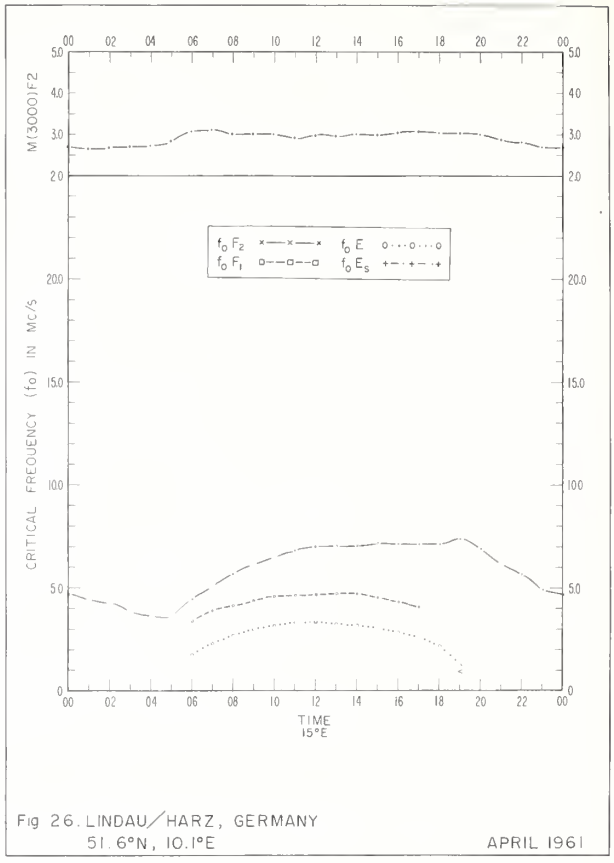

Fig 26. LINDAU/HARZ, GERMANY
51.6°N, 10.1°E
APRIL 1961

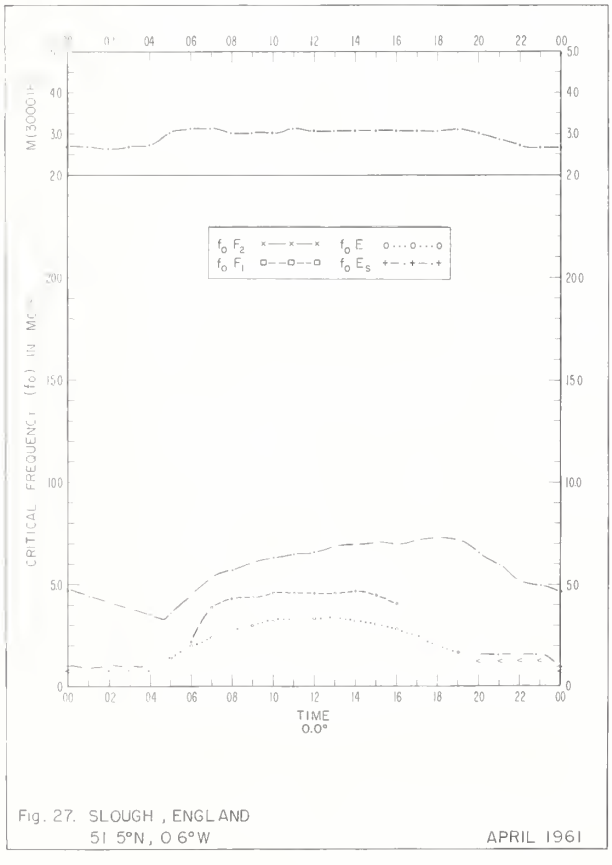

Fig. 27. SLOUGH, ENGLAND
51 5°N, 0 6°W
APRIL 1961

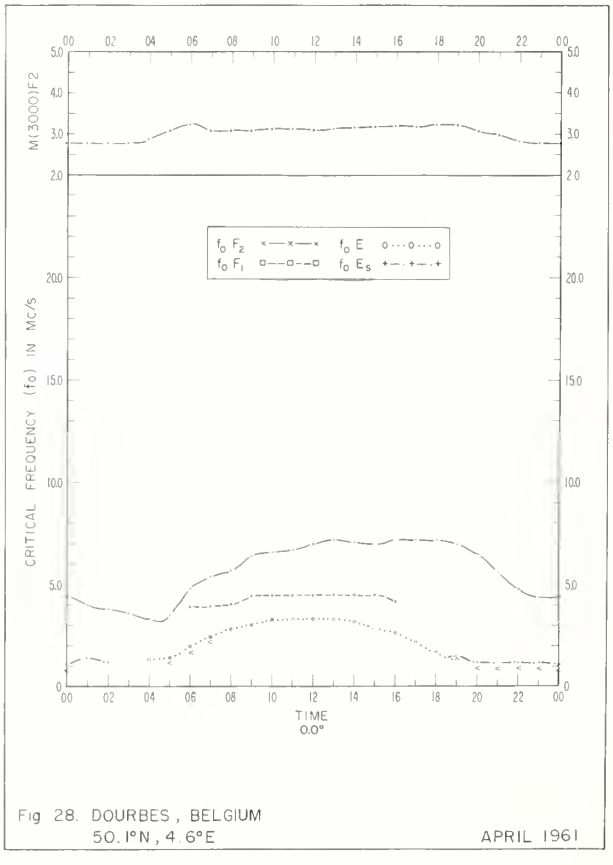

Fig 28. DOURBES, BELGIUM
50.1°N, 4.6°E
APRIL 1961

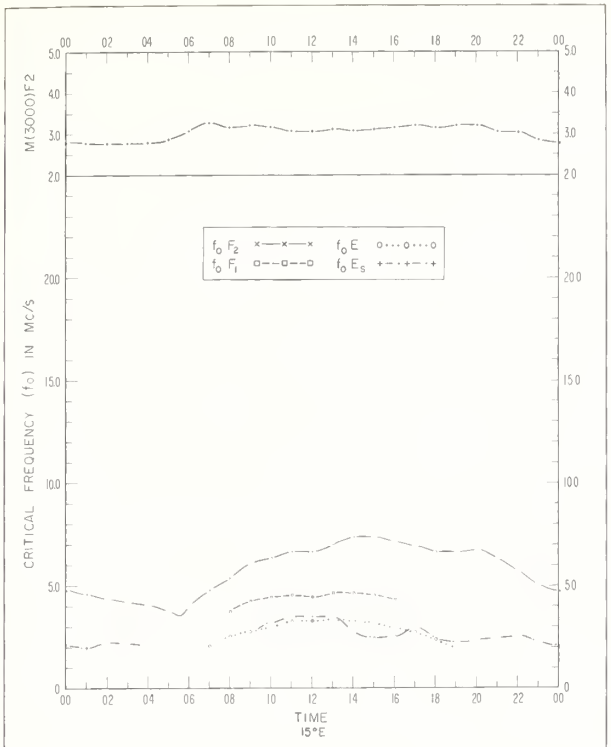

Fig 29 PARIS, FRANCE
48 1°N, 2.3°E
APRIL 1961

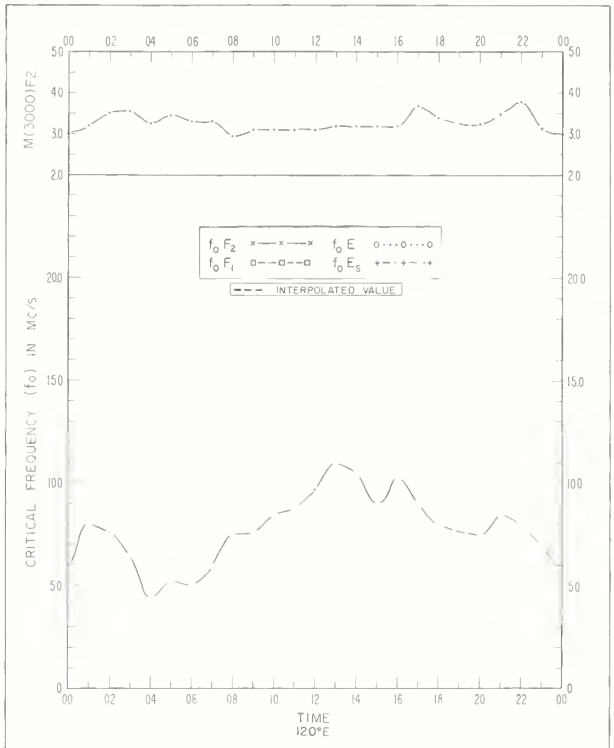

Fig 30. MACAU
22 2°N, 113.6°E
APRIL 1961

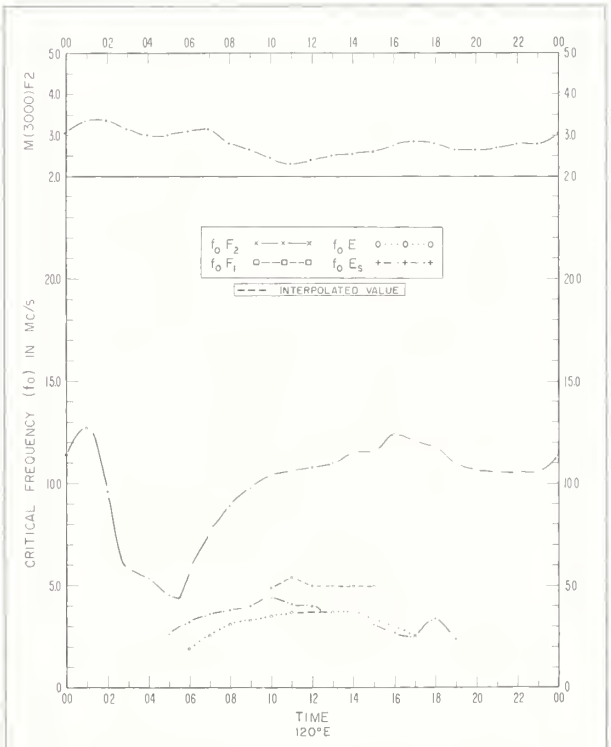

Fig. 31. BAGUIO, LUZON
16.4°N, 120.6°E
APRIL 1961

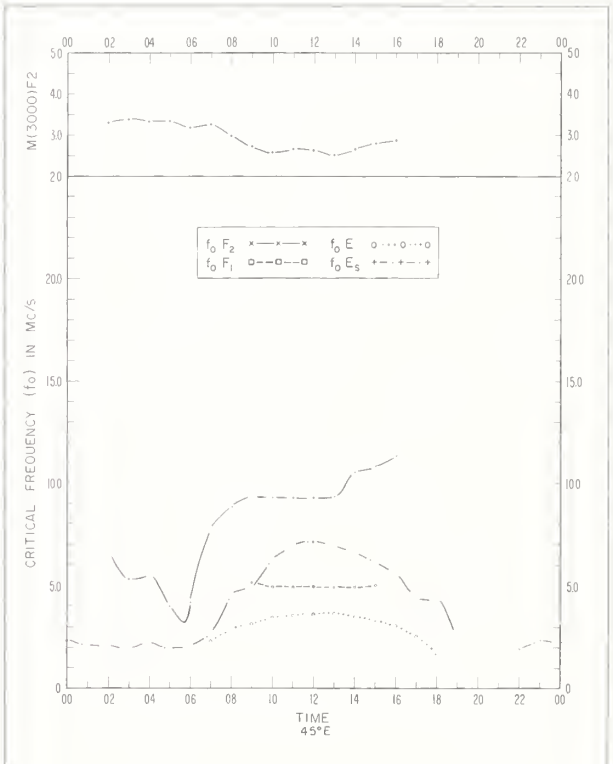

Fig 32. DJIBOUTI, FRENCH SOMALILAND
11.6°N, 43 2°E
APRIL 1961

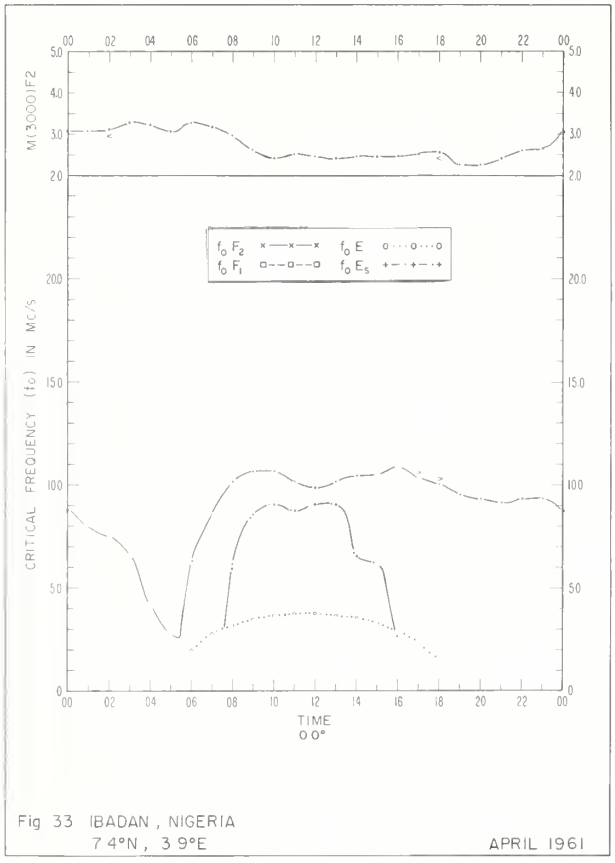

Fig 33 IBADAN , NIGERIA
7.4°N , 3.9°E
APRIL 1961

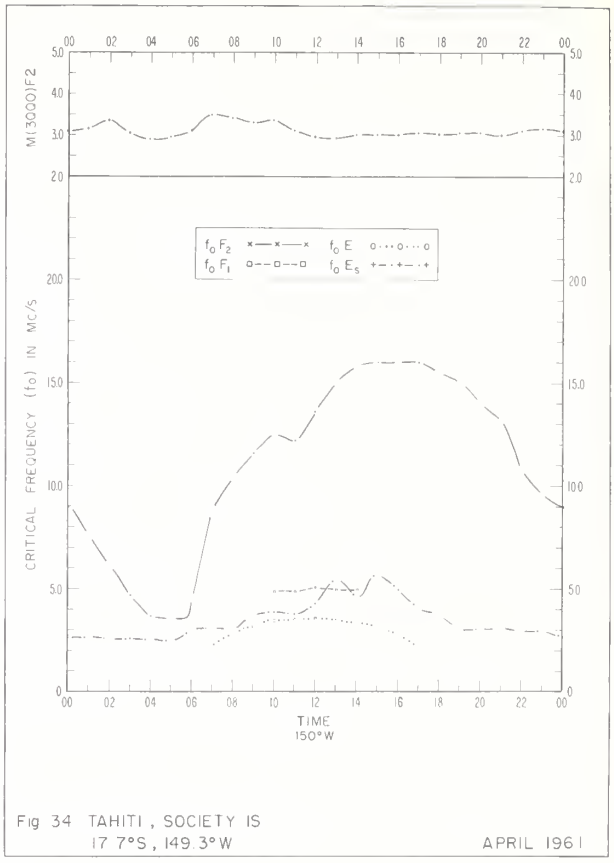

Fig 34 TAHITI , SOCIETY IS
17.7°S , 149.3°W
APRIL 1961

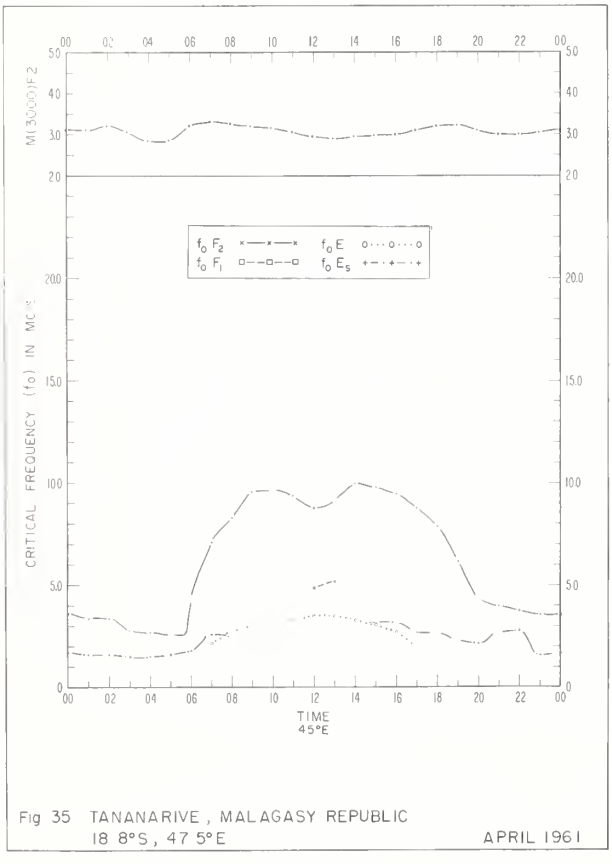

Fig 35 TANANARIVE , MALAGASY REPUBLIC
18.8°S , 47.5°E
APRIL 1961

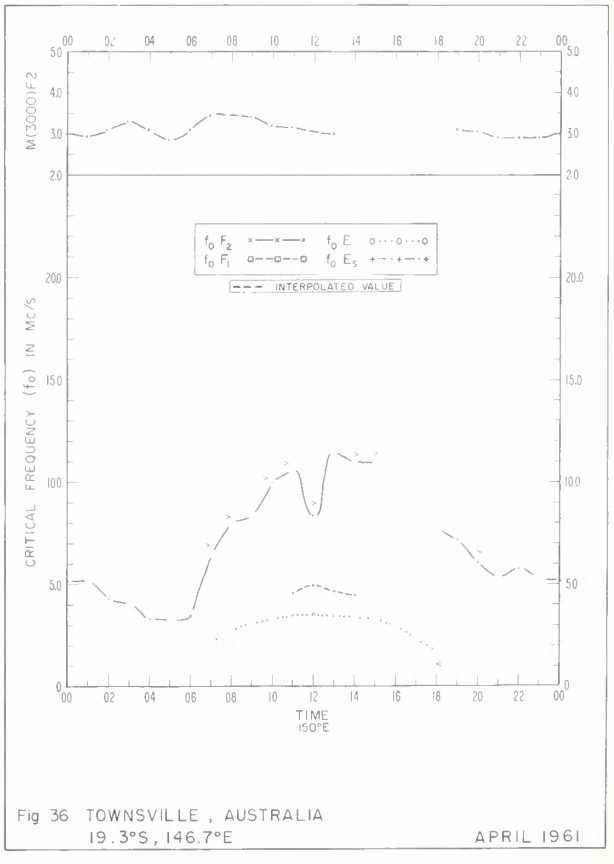

Fig 36 TOWNSVILLE , AUSTRALIA
19.3°S , 146.7°E
APRIL 1961

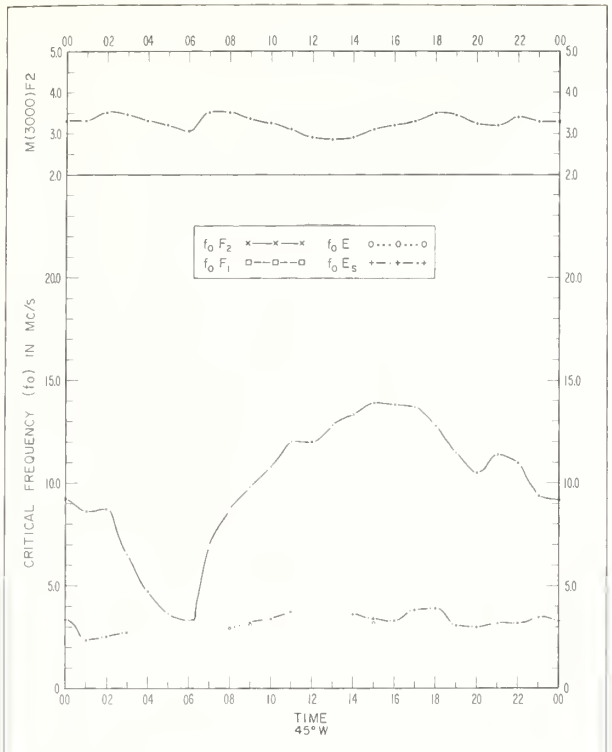

Fig. 37. SAO PAULO, BRAZIL
23.5°S, 46.5° W
APRIL 1961

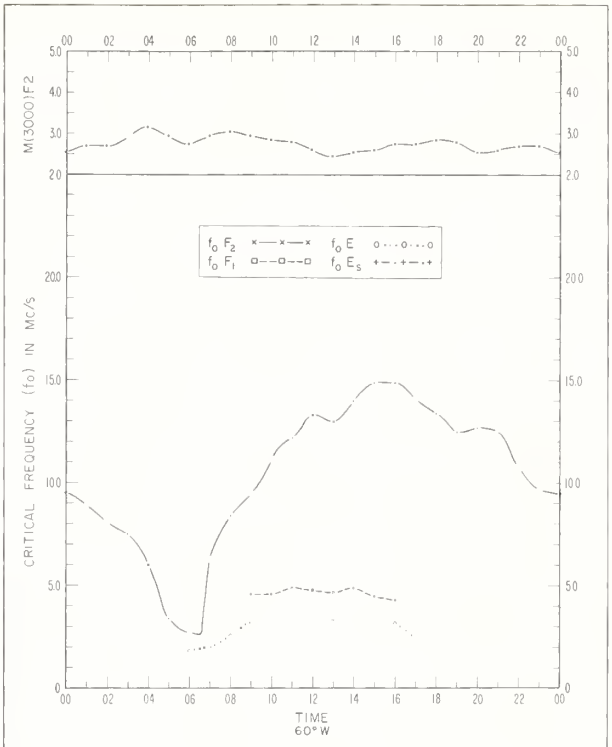

Fig 38 TUCUMAN, ARGENTINA
26.9°S, 65.4° W
APRIL 1961

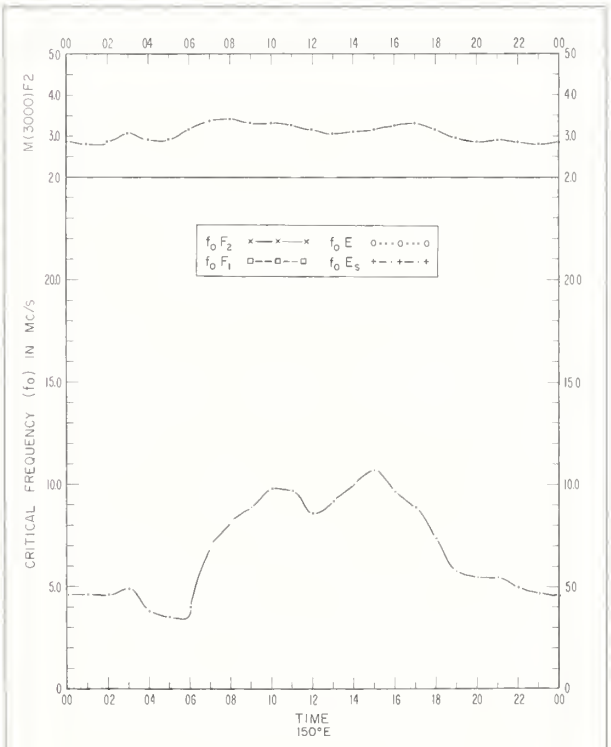

Fig. 39. BRISBANE, AUSTRALIA
27.5°S, 152.9°E
APRIL 1961

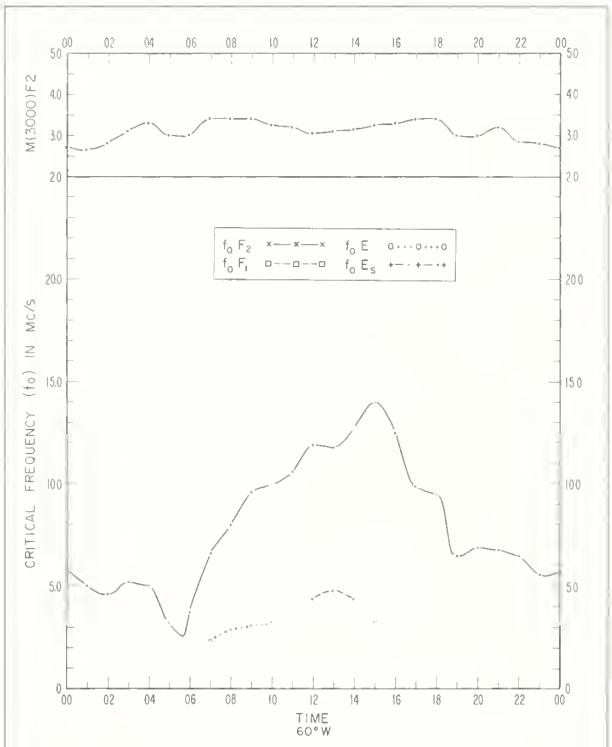

Fig 40. BUENOS AIRES, ARGENTINA
34.5°S, 58.5° W
APRIL 1961

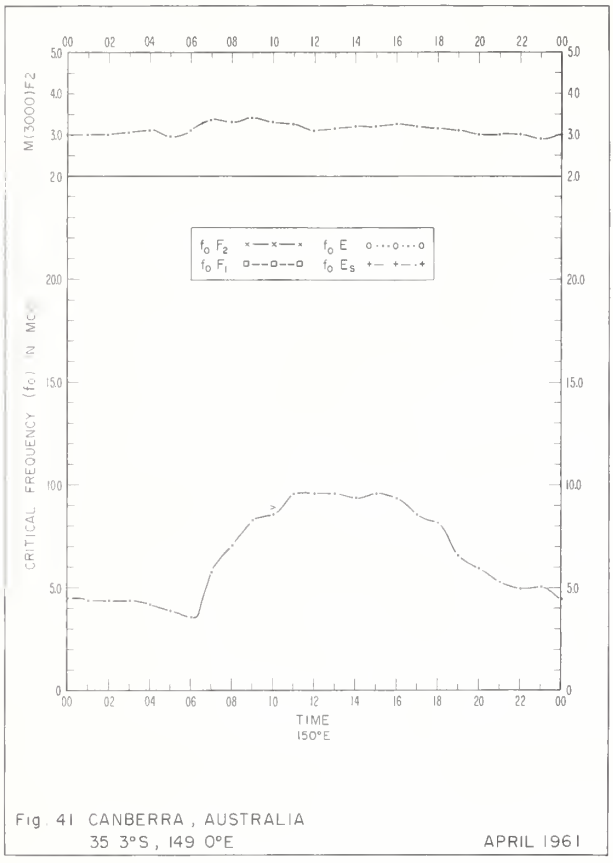

Fig. 41 CANBERRA, AUSTRALIA
35 3°S, 149 0°E
APRIL 1961

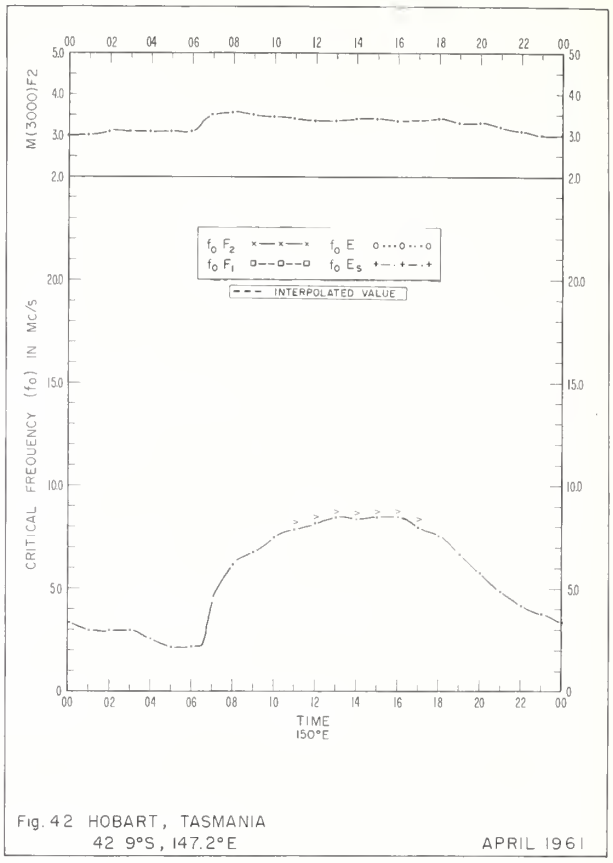

Fig. 42 HOBART, TASMANIA
42 9°S, 147.2°E
APRIL 1961

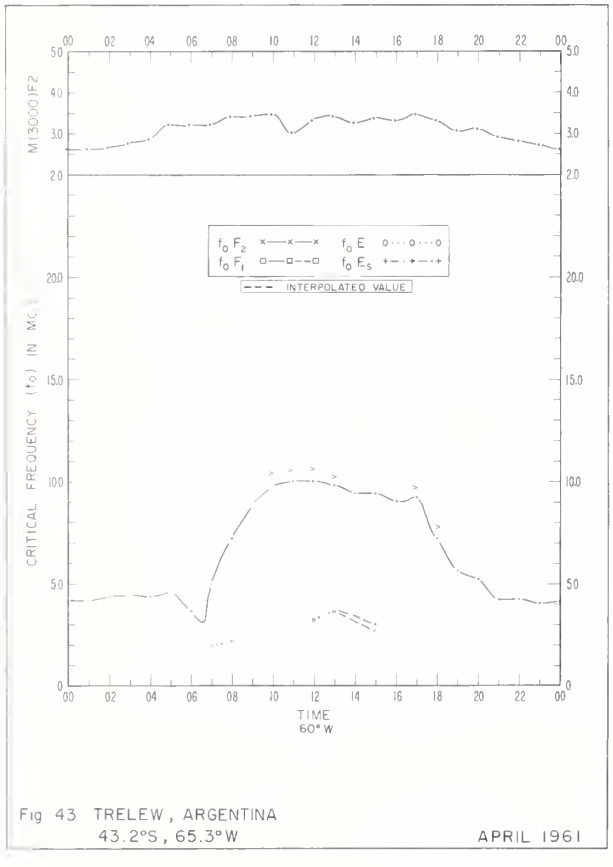

Fig 43 TRELEW, ARGENTINA
43.2°S, 65.3°W
APRIL 1961

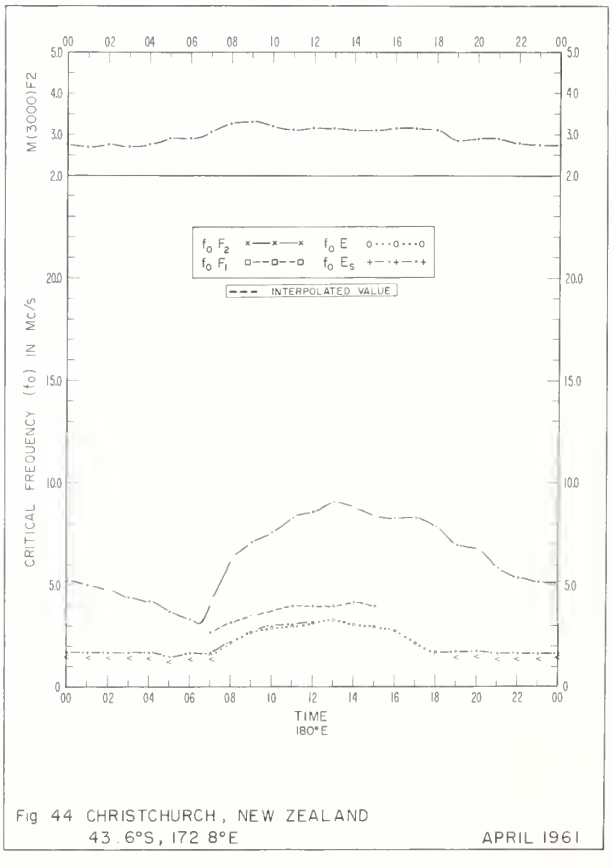

Fig 44 CHRISTCHURCH, NEW ZEALAND
43 6°S, 172 8°E
APRIL 1961

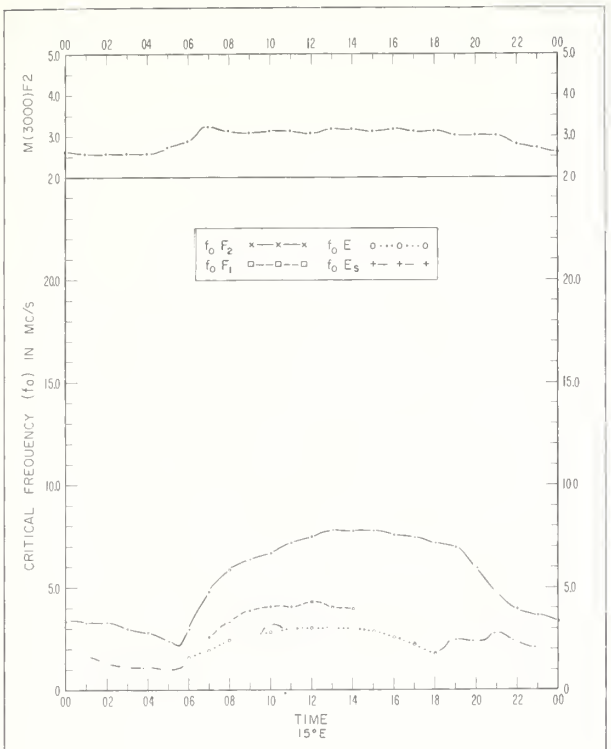

Fig 45 JULIUSRUH/RUGEN, GERMANY
54 6°N, 13 4°E
MARCH 1961

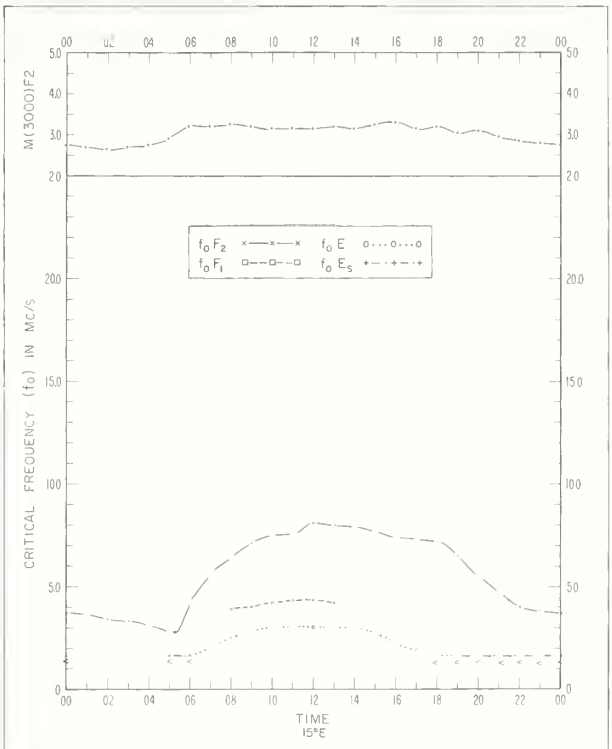

Fig 46 WARSAW, POLAND
52 2°N, 21 2°E
MARCH 1961

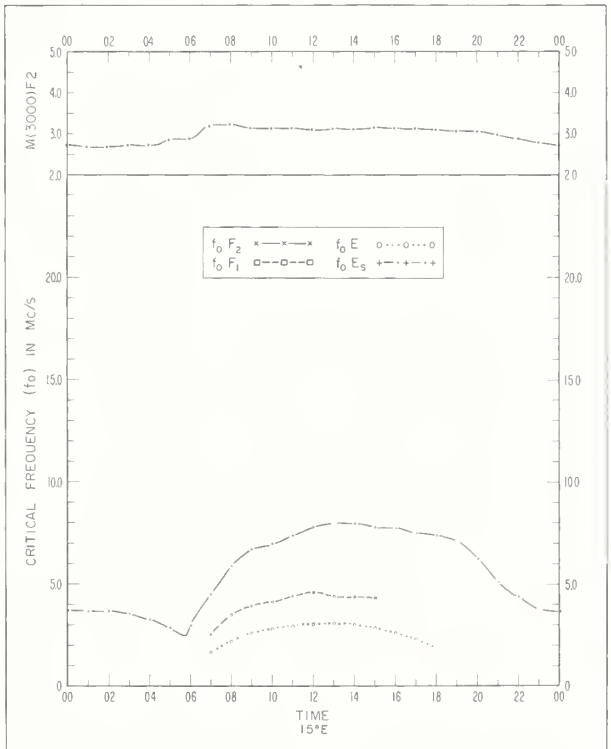

Fig 47. LINDAU/HARZ, GERMANY
51. 6°N, 10.1°E
MARCH 1961

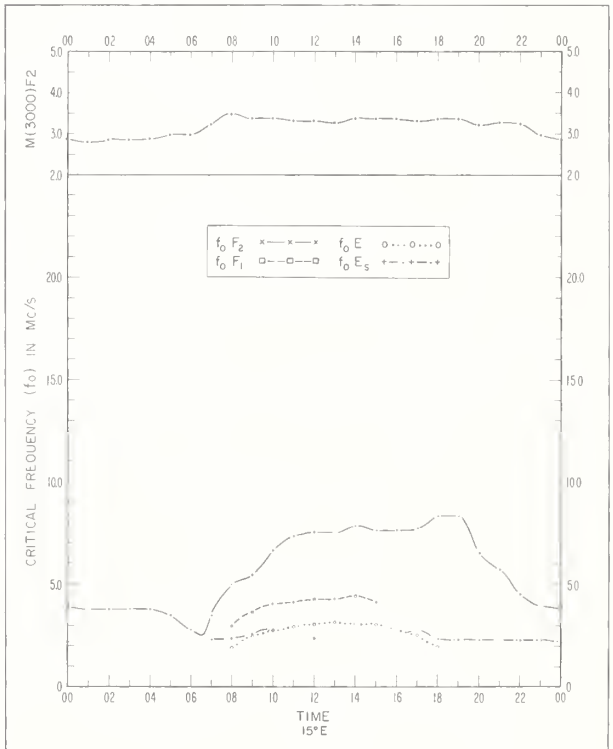

Fig. 48. PARIS, FRANCE
48.1°N, 2.3°E
MARCH 1961

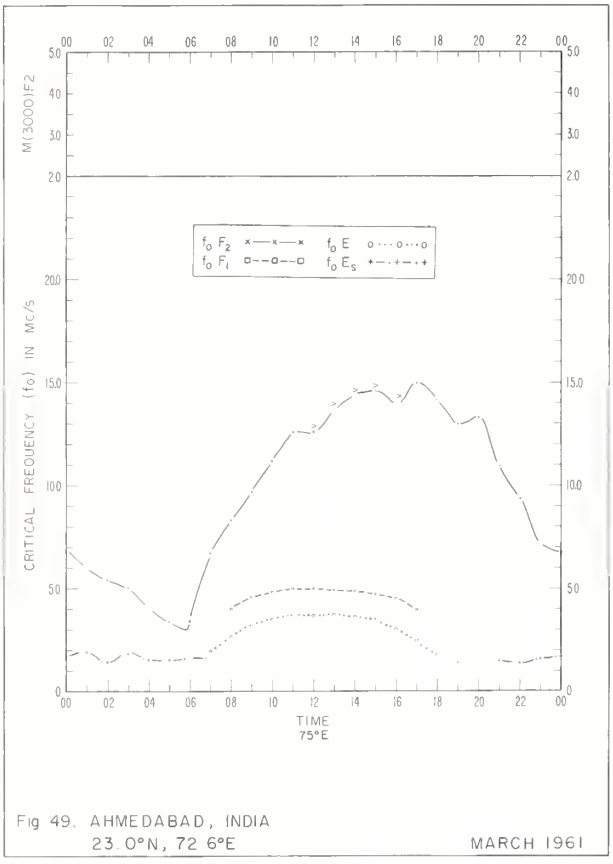

Fig 49. AHMEDABAD, INDIA
23.0°N, 72 6°E
MARCH 1961

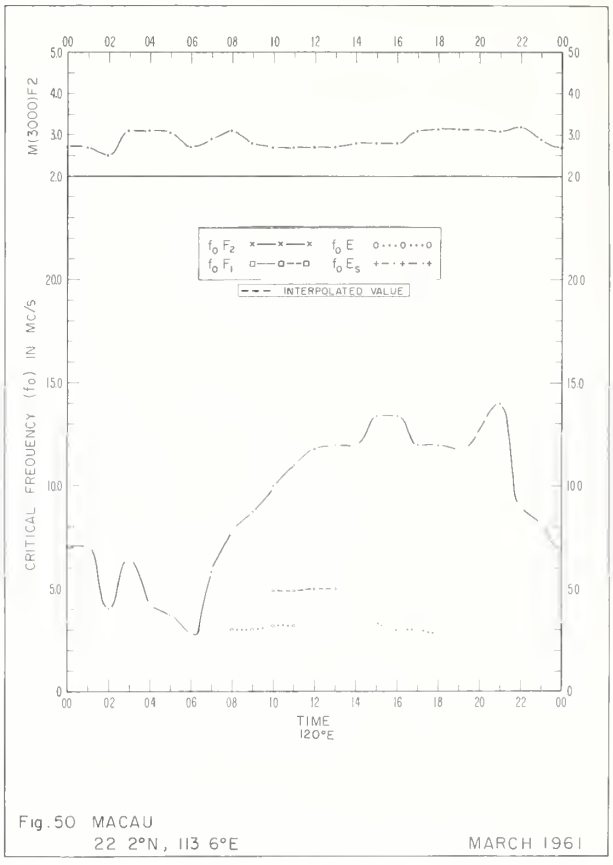

Fig.50 MACAU
22 2°N, 113 6°E
MARCH 1961

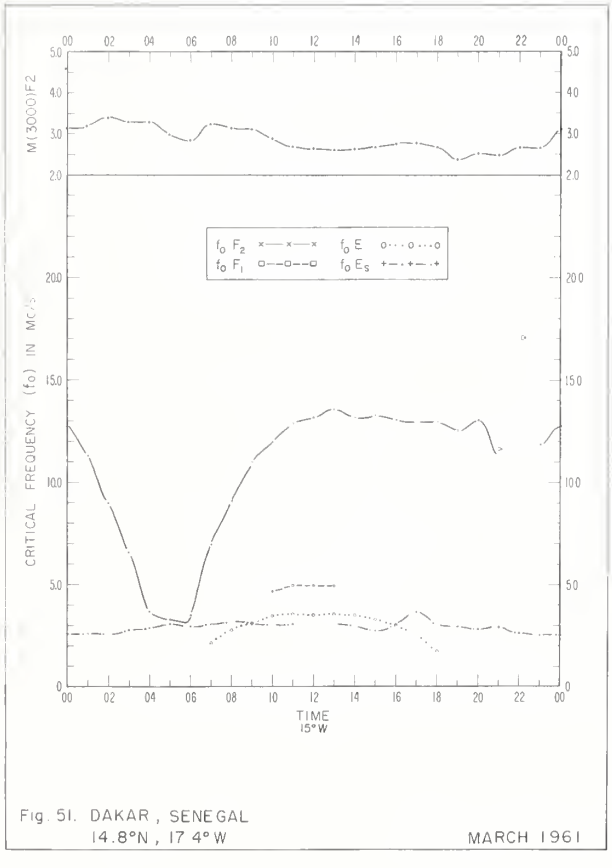

Fig. 51. DAKAR, SENEGAL
14.8°N, 17 4° W
MARCH 1961

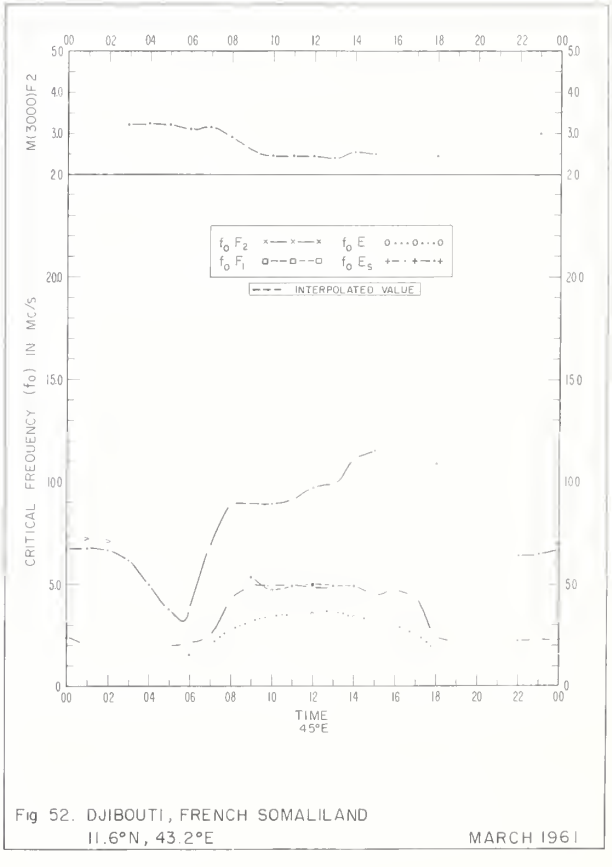

Fig 52. DJIBOUTI, FRENCH SOMALILAND
11.6°N, 43.2°E
MARCH 1961

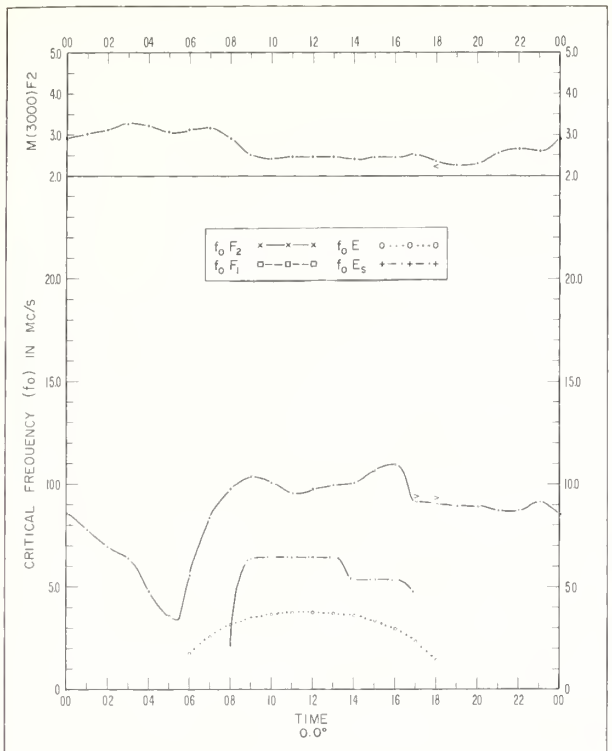

Fig. 53. IBADAN, NIGERIA
7.4°N, 3.9°E
MARCH 1961

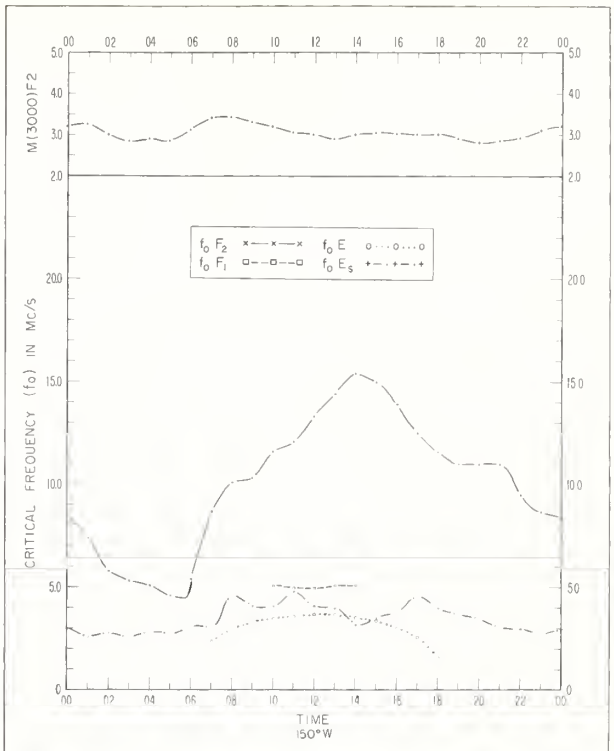

Fig 54 TAHITI, SOCIETY IS
17.7°S, 149.3°W
MARCH 1961

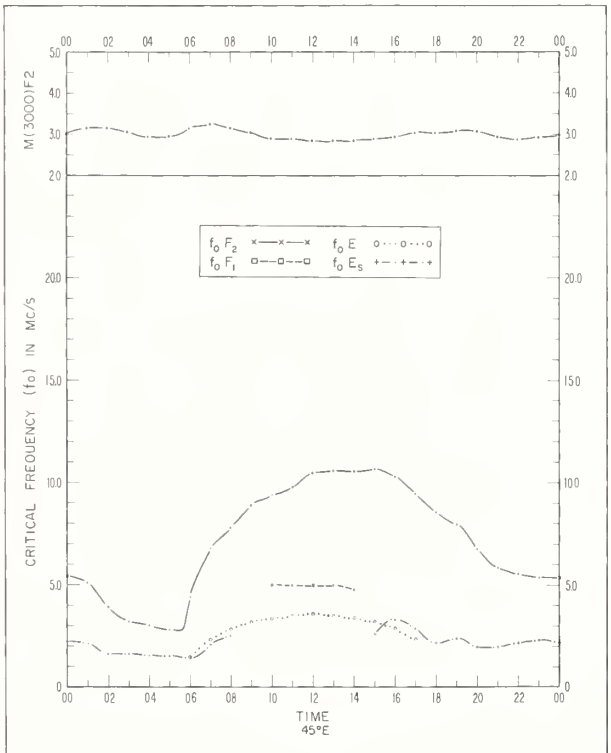

Fig 55. TANANARIVE, MALAGASY REPUBLIC
18.8°S, 47.5°E
MARCH 1961

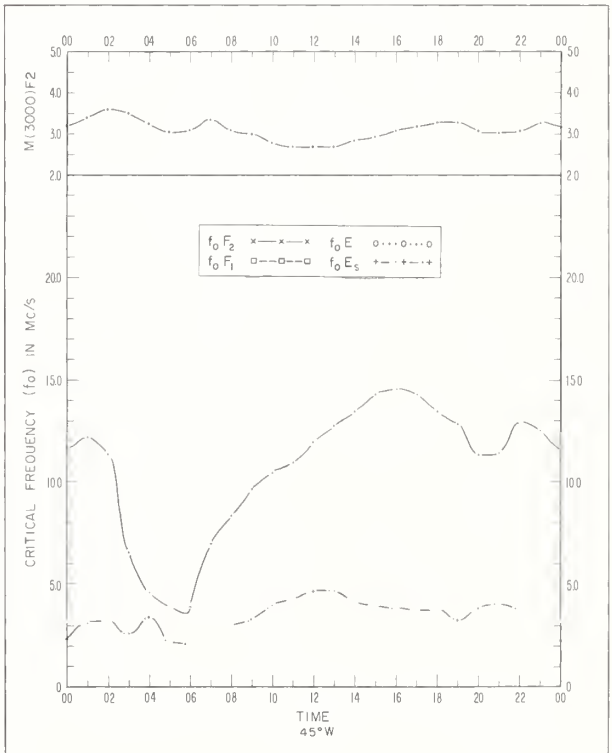

Fig 56. SAO PAULO, BRAZIL
23.5°S, 46.5°W
MARCH 1961

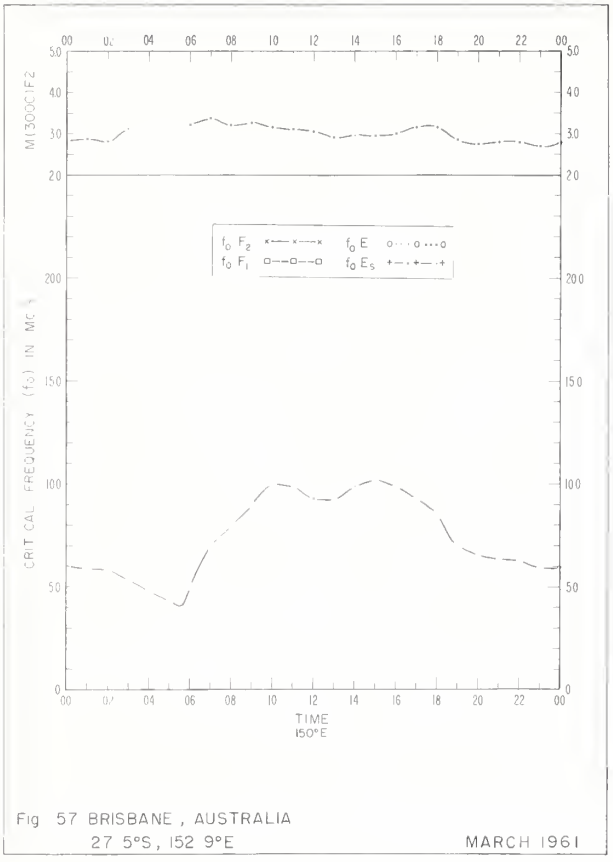

Fig 57 BRISBANE, AUSTRALIA
27 5°S, 152 9°E
MARCH 1961

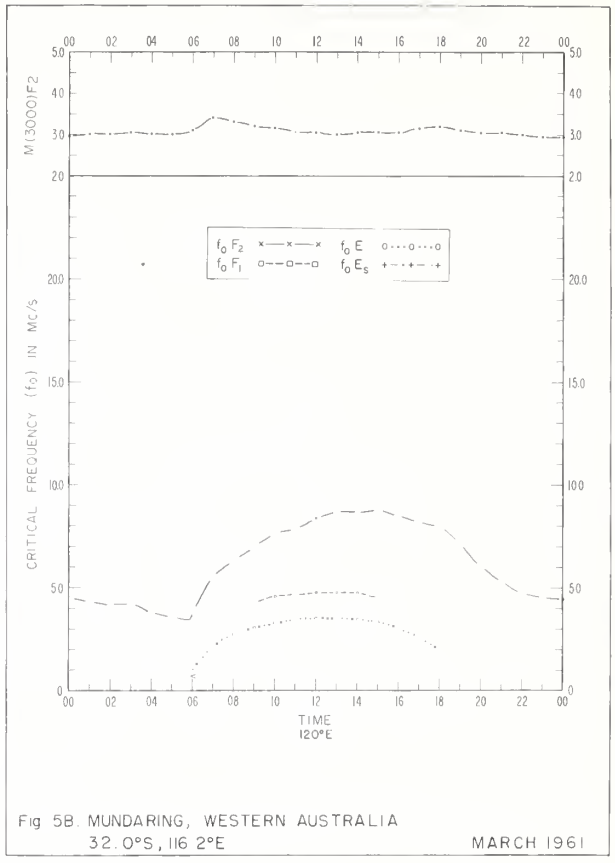

Fig 58 MUNDARING, WESTERN AUSTRALIA
32.0°S, 116 2°E
MARCH 1961

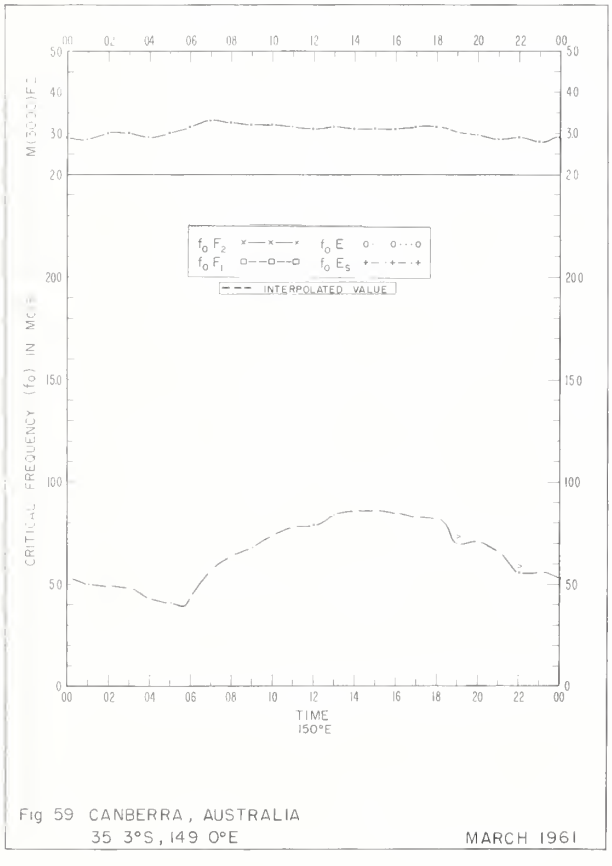

Fig 59 CANBERRA, AUSTRALIA
35 3°S, 149 0°E
MARCH 1961

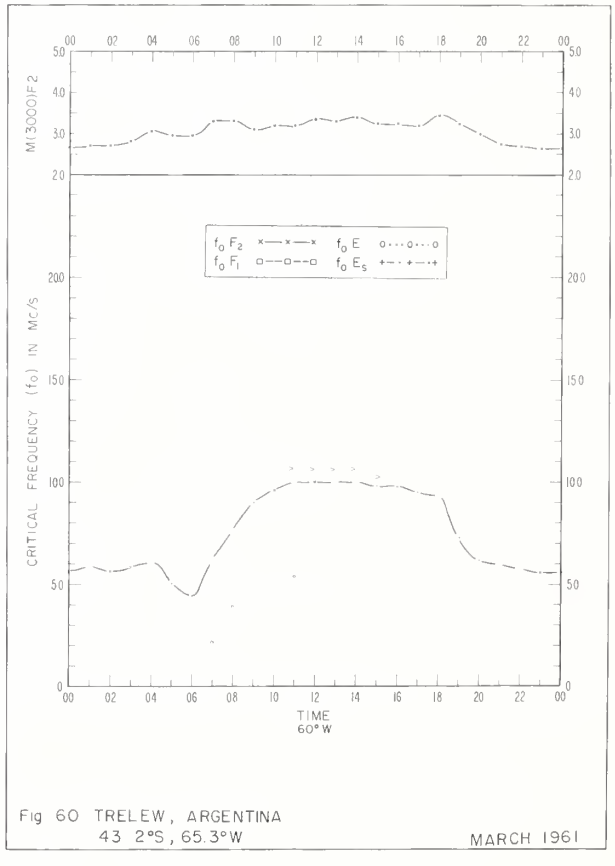

Fig 60 TRELEW, ARGENTINA
43 2°S, 65.3°W
MARCH 1961

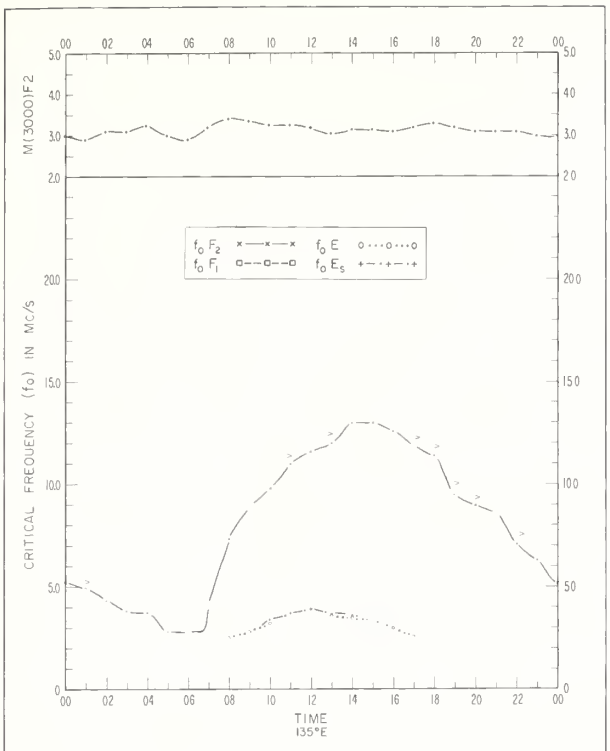

Fig. 61. OKINAWA I
26.3°N, 127.8°E
FEBRUARY 1961

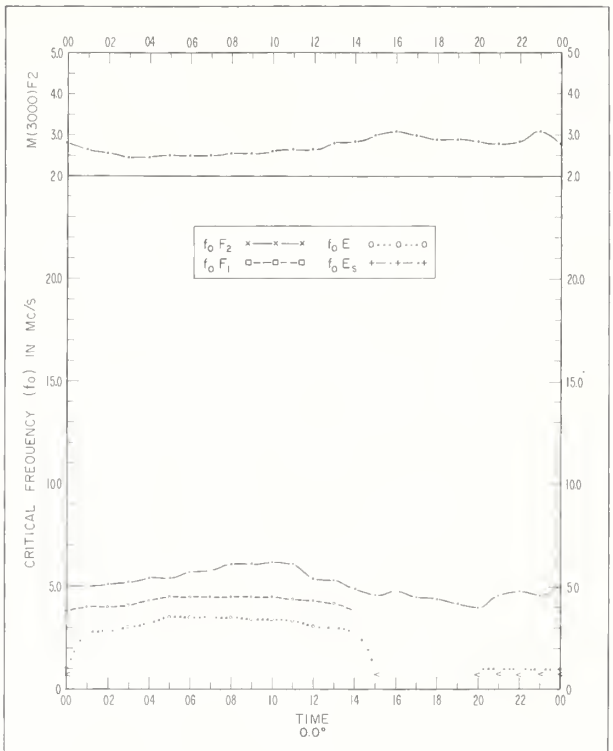

Fig 62 MAWSON, ANTARCTICA
67.6°S, 62.9°E
JANUARY 1961

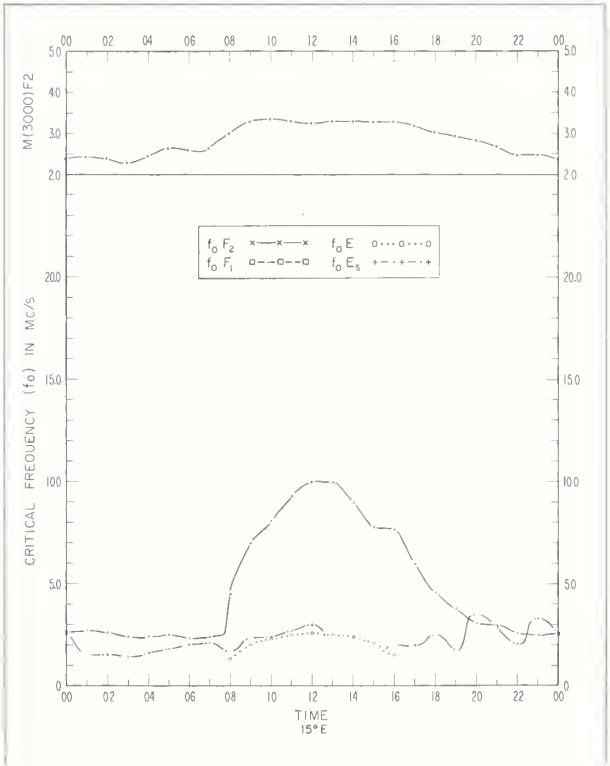

Fig. 63. JULIUSRUH/RUGEN, GERMANY
54.6°N, 13.4°E
DECEMBER 1960

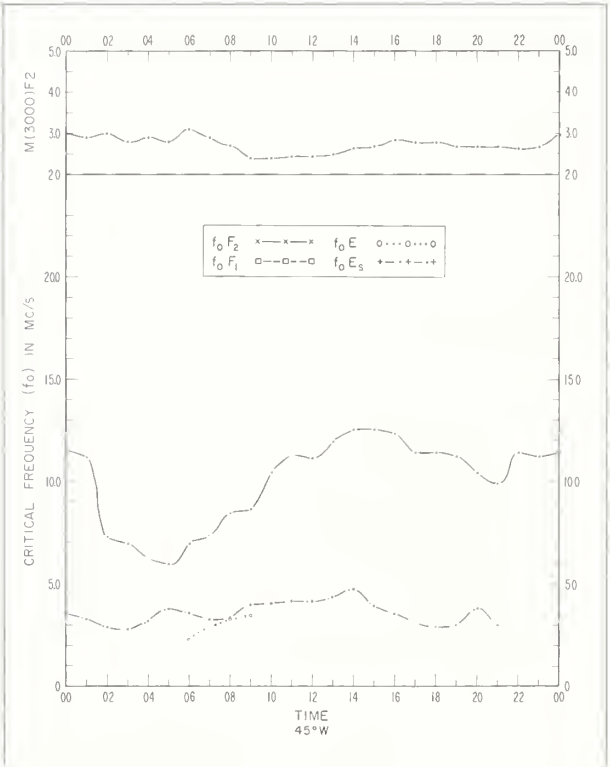

Fig 64 SAO PAULO, BRAZIL
23.5°S, 46.5°W
DECEMBER 1960

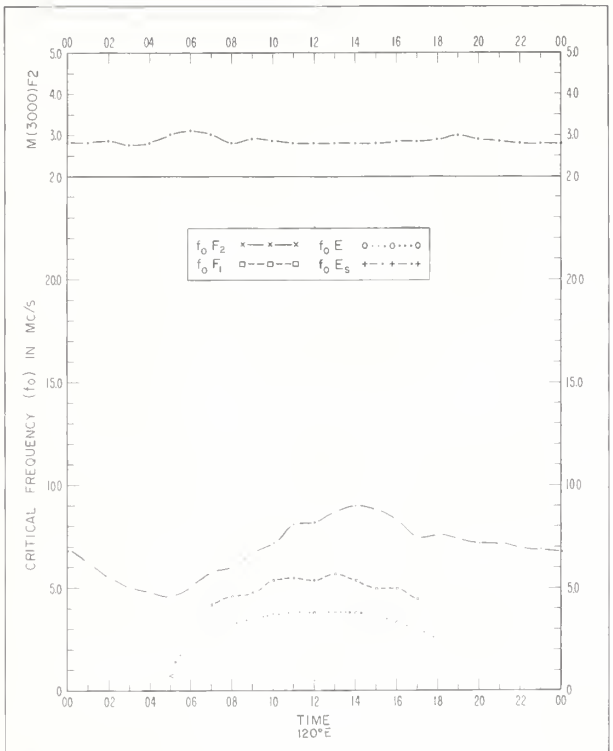

Fig. 65. MUNDARING, WESTERN AUSTRALIA
32 0°S, 116 2°E DECEMBER 1960

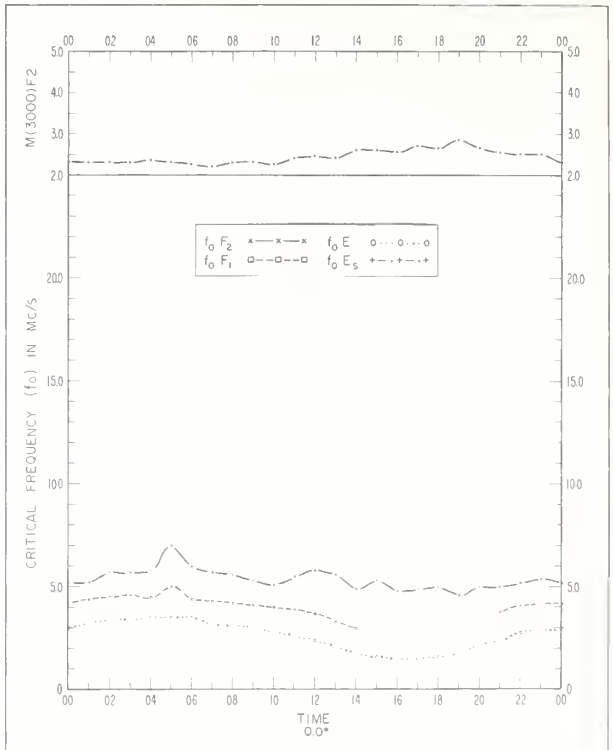

Fig 66 WILKES STATION, ANTARCTICA
66 3°S, 110 5°E DECEMBER 1960

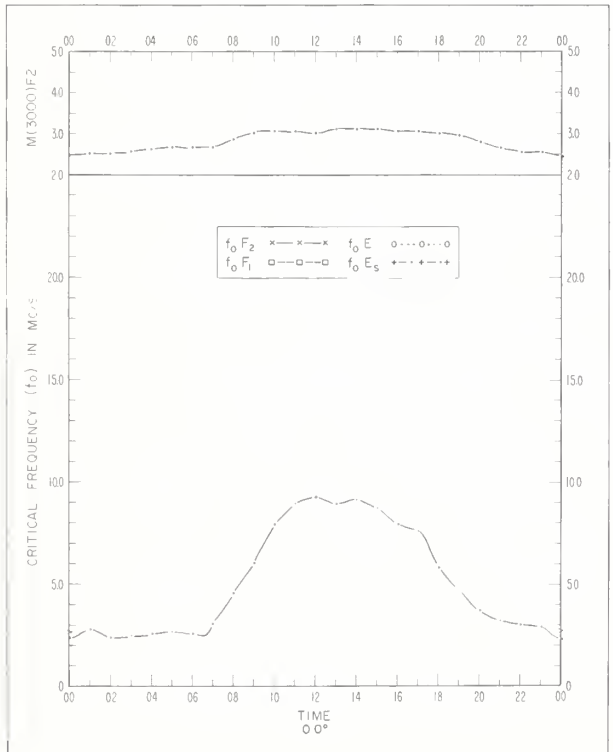

Fig 67 INVERNESS, SCOTLAND
57 4°N, 4 2°W NOVEMBER 1960

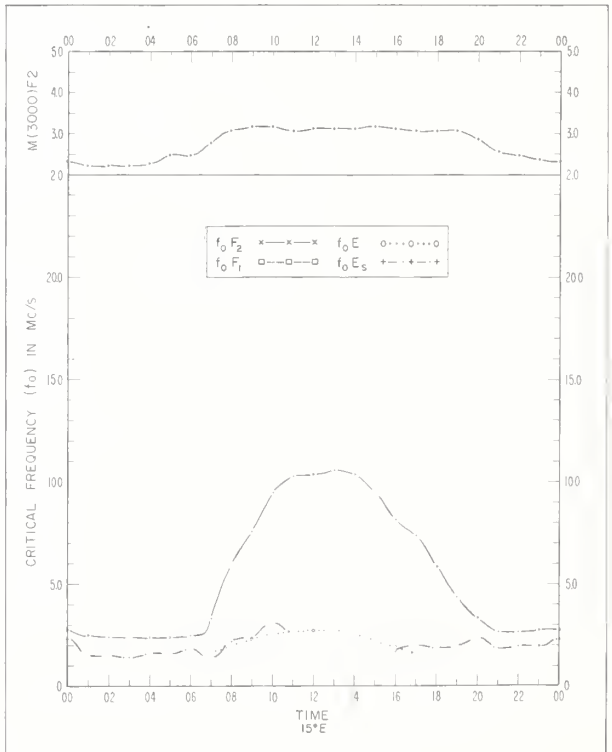

Fig. 68. JULIUSRUH/RUGEN, GERMANY
54 6°N, 13 4°E NOVEMBER 1960

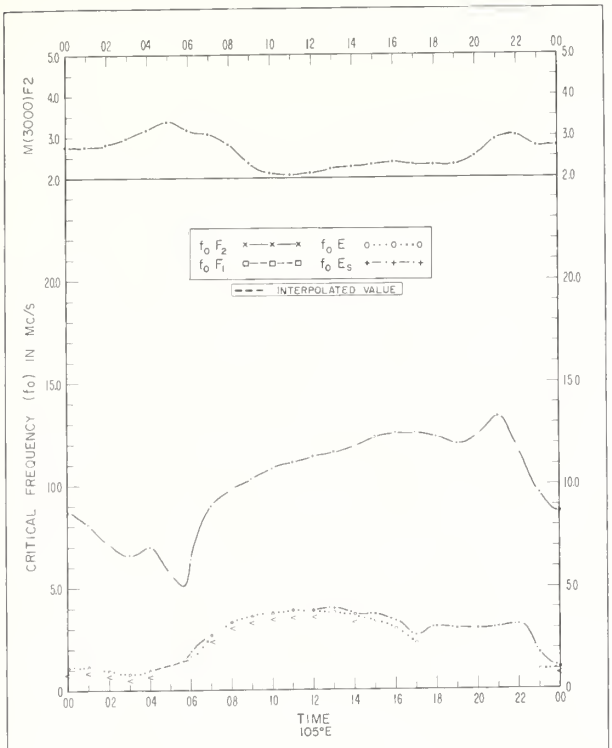

Fig. 69. SINGAPORE, BRITISH MALAYA
1 3°N, 103 8°E
NOVEMBER 1960

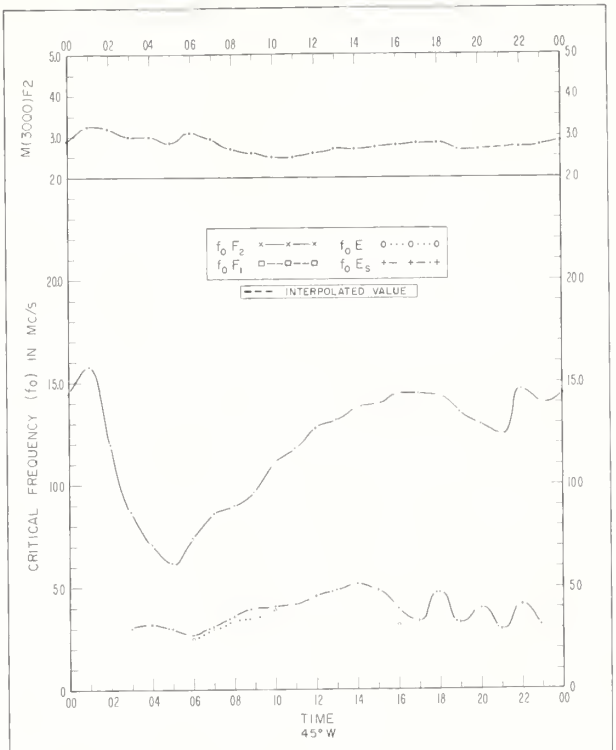

Fig. 70 SAO PAULO, BRAZIL
23 5°S, 46.5°W
NOVEMBER 1960

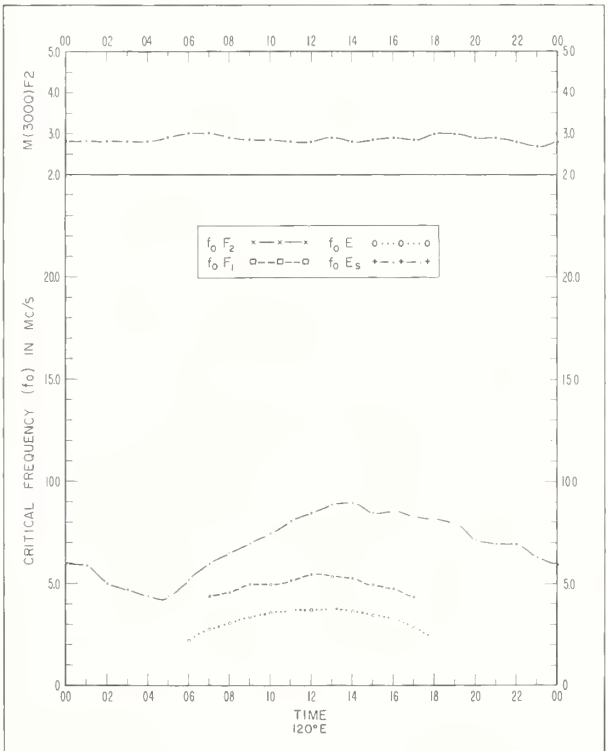

Fig. 71. MUNDARING, WESTERN AUSTRALIA
32.0°S, 116.2°E
NOVEMBER 1960

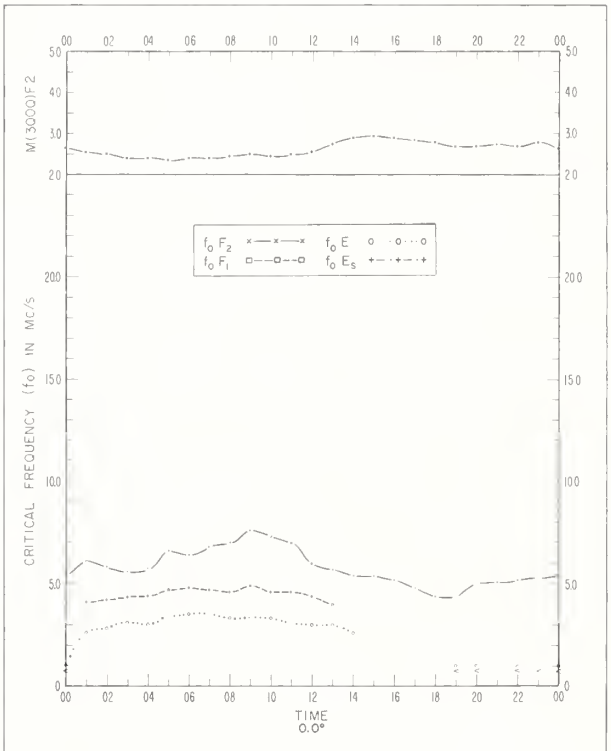

Fig. 72 MAWSON, ANTARCTICA
67.6°S, 62.9°E
NOVEMBER 1960

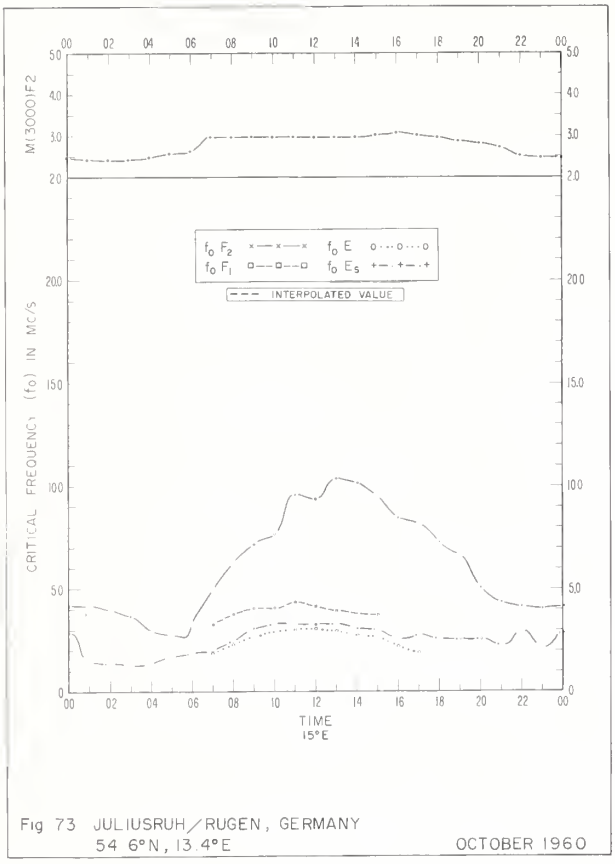

Fig 73 JULIUSRUH/RUGEN, GERMANY
54 6°N, 13 4°E
OCTOBER 1960

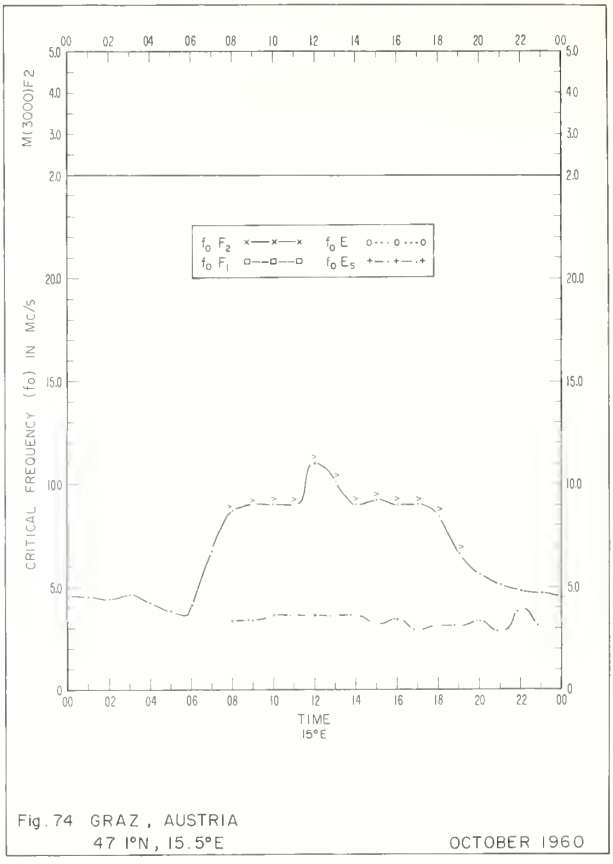

Fig. 74 GRAZ, AUSTRIA
47 1°N, 15.5°E
OCTOBER 1960

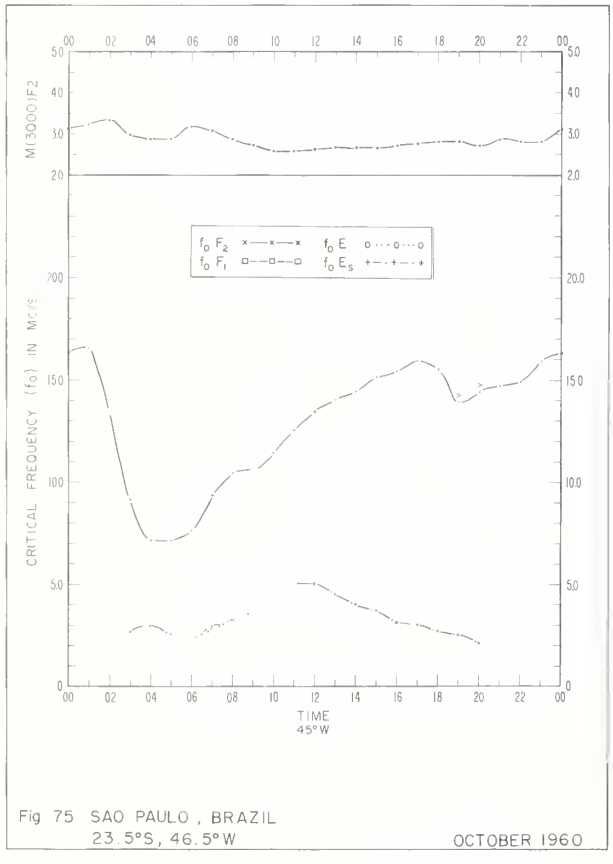

Fig 75 SAO PAULO, BRAZIL
23.5°S, 46.5°W
OCTOBER 1960

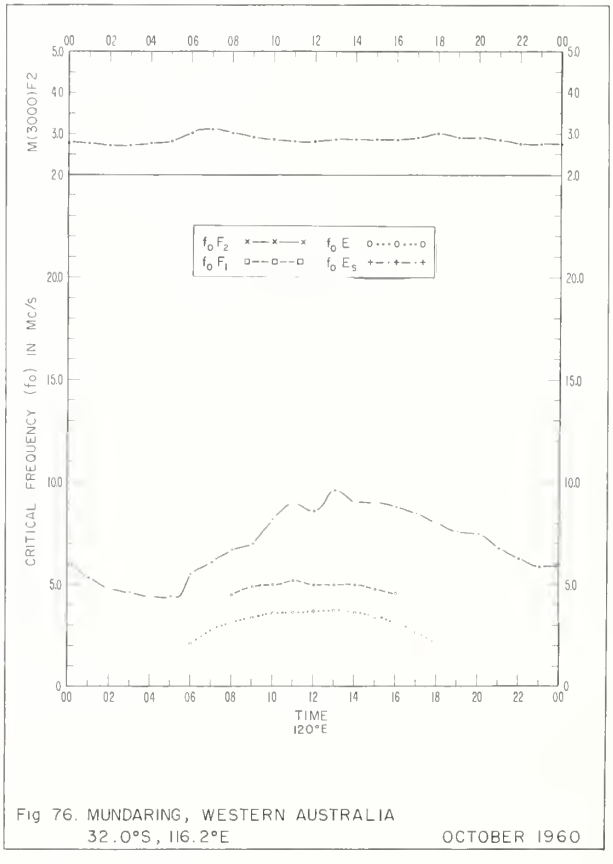

Fig 76. MUNDARING, WESTERN AUSTRALIA
32.0°S, 116.2°E
OCTOBER 1960

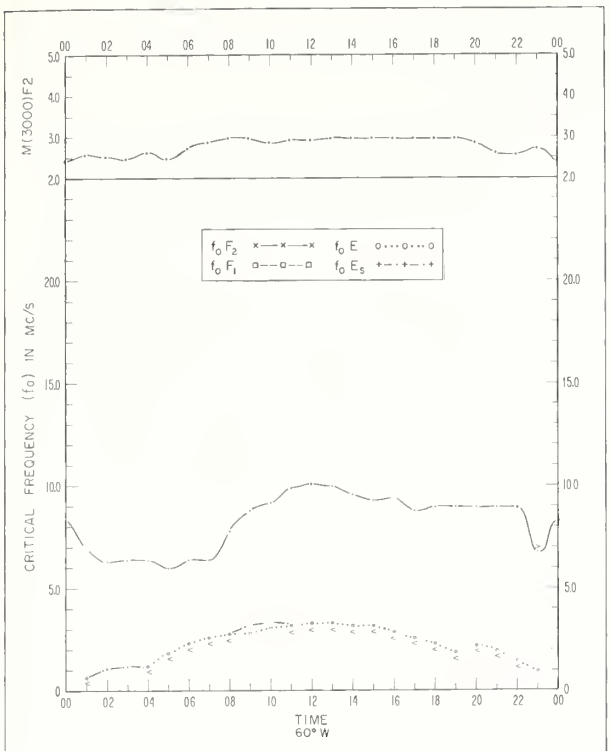

Fig 77. PORT LOCKROY, ANTARCTICA
64.8°S, 63.5°W OCTOBER 1960

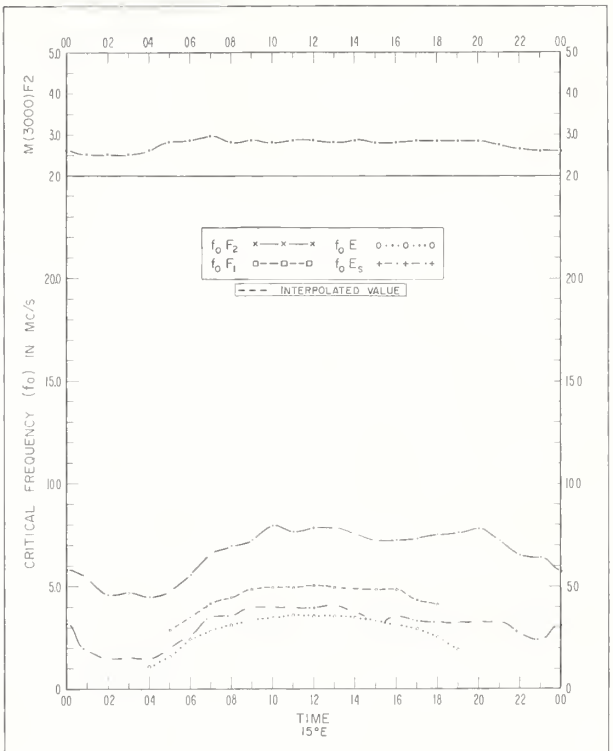

Fig. 78 JULIUSRUH/RUGEN, GERMANY
54.6°N, 13.4°E AUGUST 1960

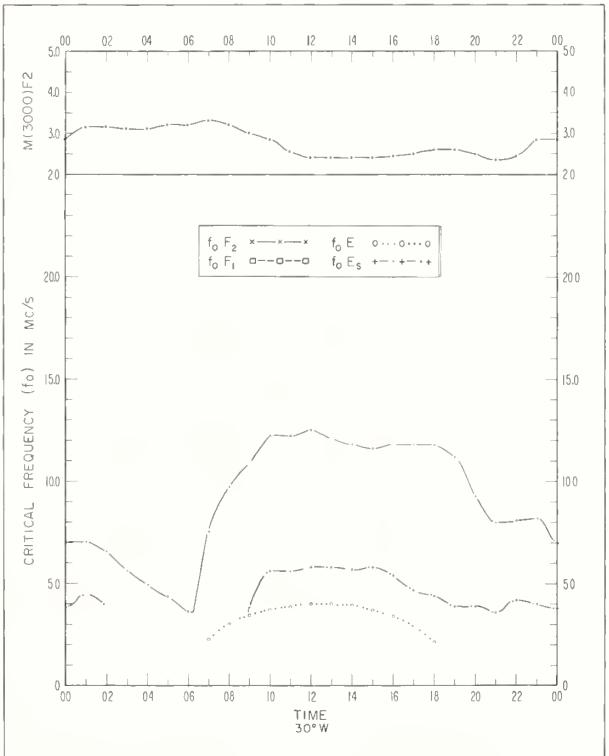

Fig. 79. NATAL, BRAZIL
5.7°S, 35.2°W AUGUST 1960

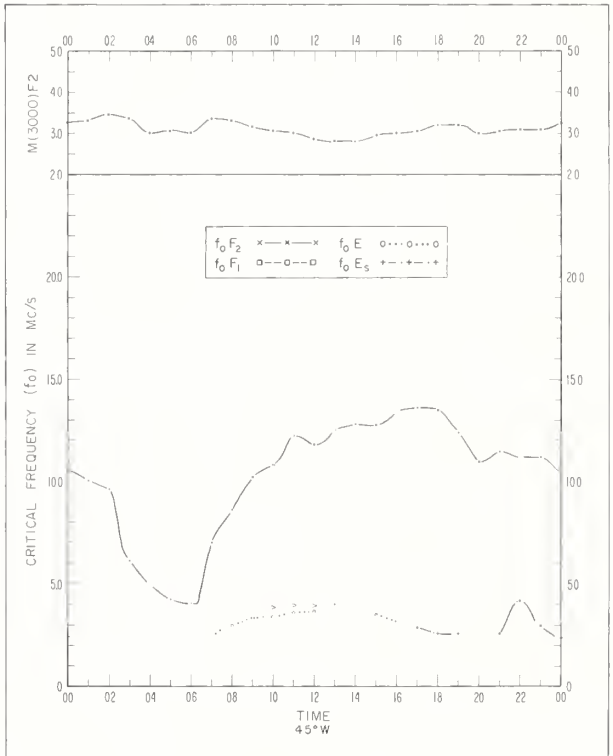

Fig 80. SAO PAULO, BRAZIL
23.5°S, 46.5°W AUGUST 1960

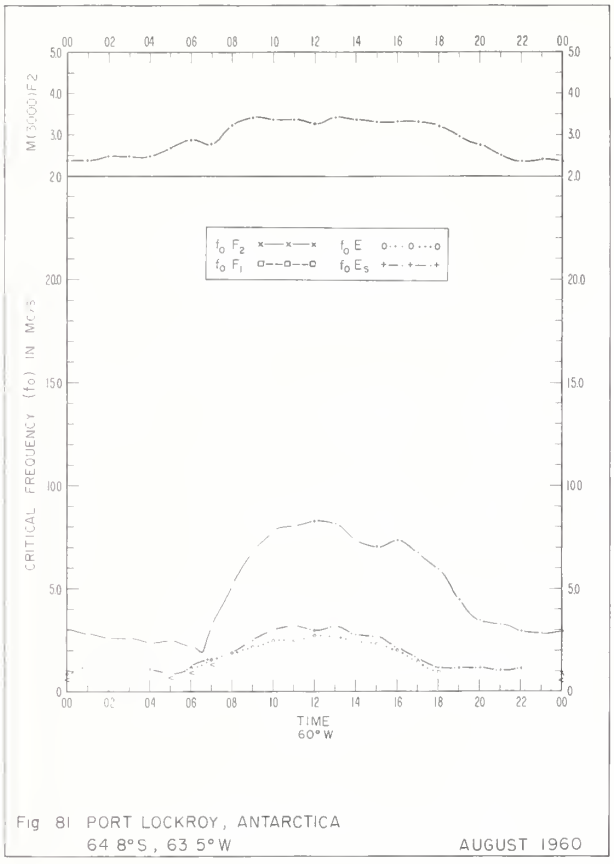

Fig 81 PORT LOCKROY, ANTARCTICA
64 8°S, 63 5°W AUGUST 1960

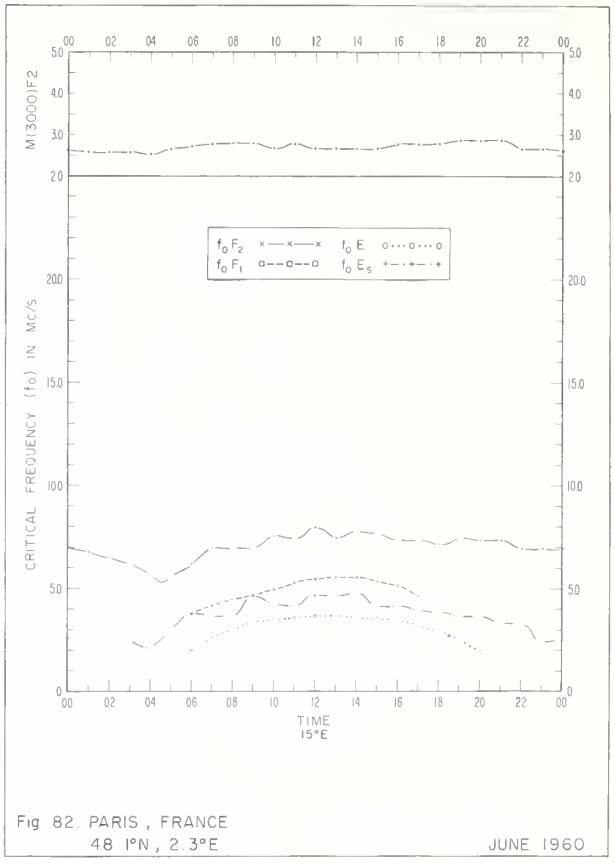

Fig 82. PARIS, FRANCE
48 1°N, 2.3°E JUNE 1960

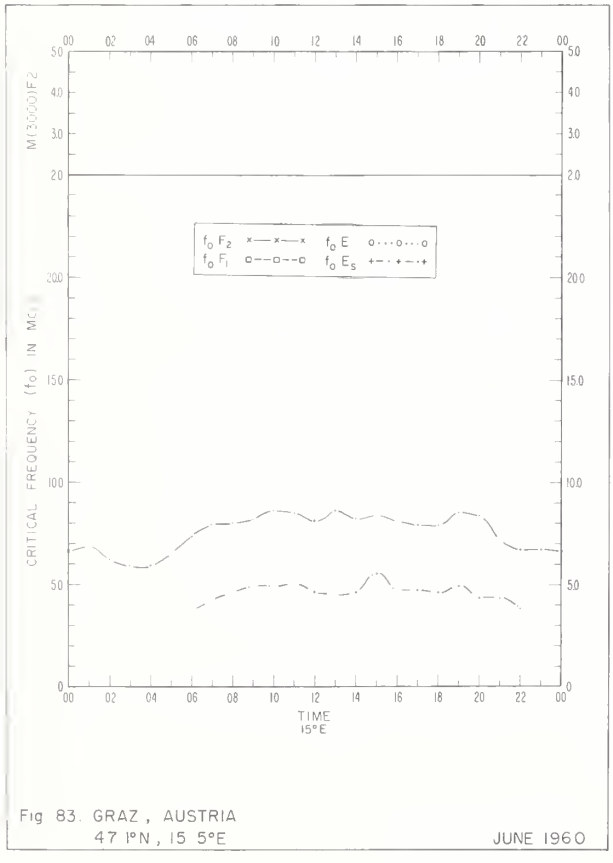

Fig 83. GRAZ, AUSTRIA
47 1°N, 15 5°E JUNE 1960

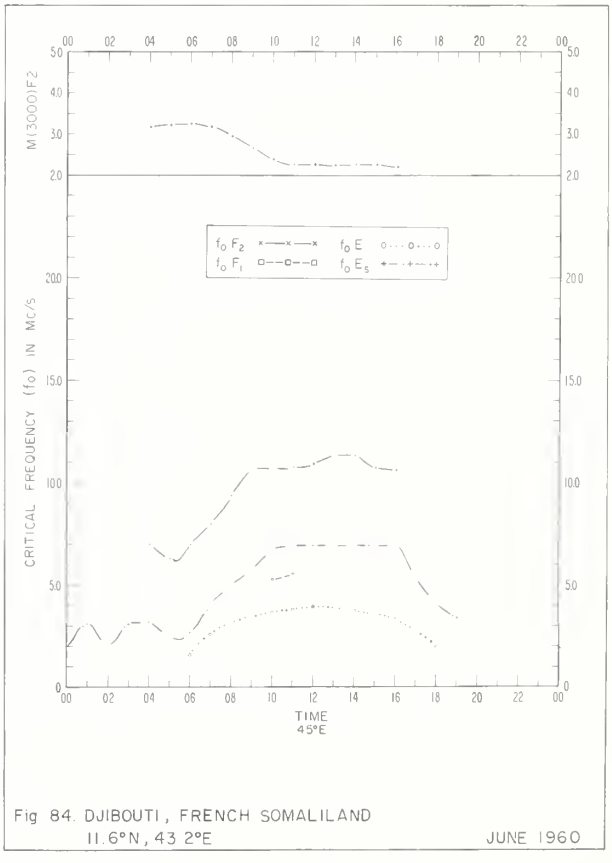

Fig 84. DJIBOUTI, FRENCH SOMALILAND
11.6°N, 43 2°E JUNE 1960

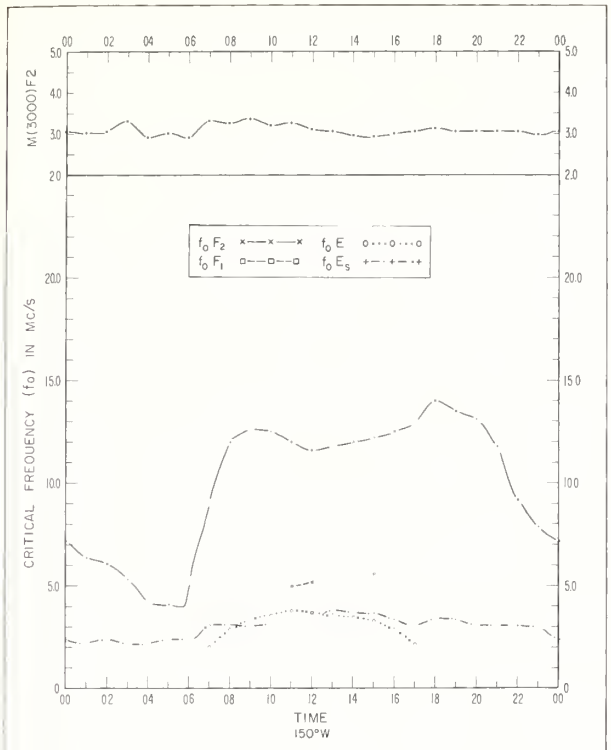

Fig. 85. TAHITI, SOCIETY IS.
17.7°S, 149.3°W
JUNE 1960

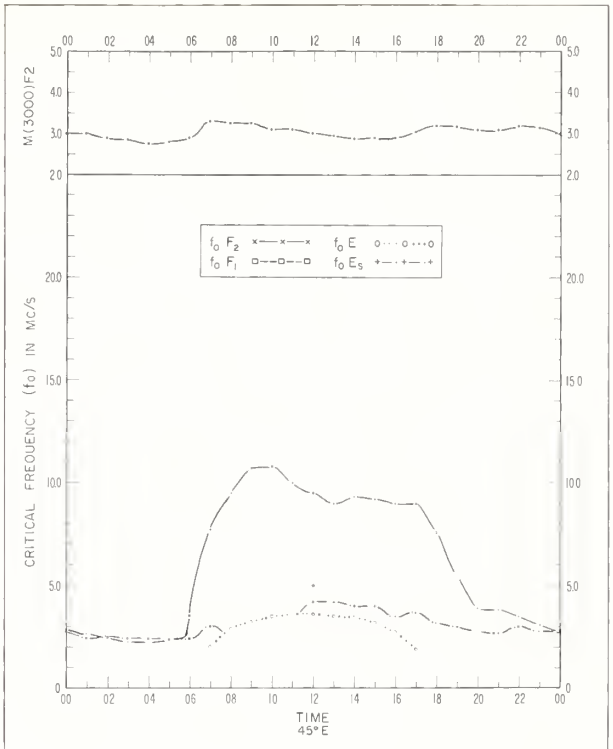

Fig 86. TANANARIVE, MALAGASY REPUBLIC
18.8°S, 47.5°E
JUNE 1960

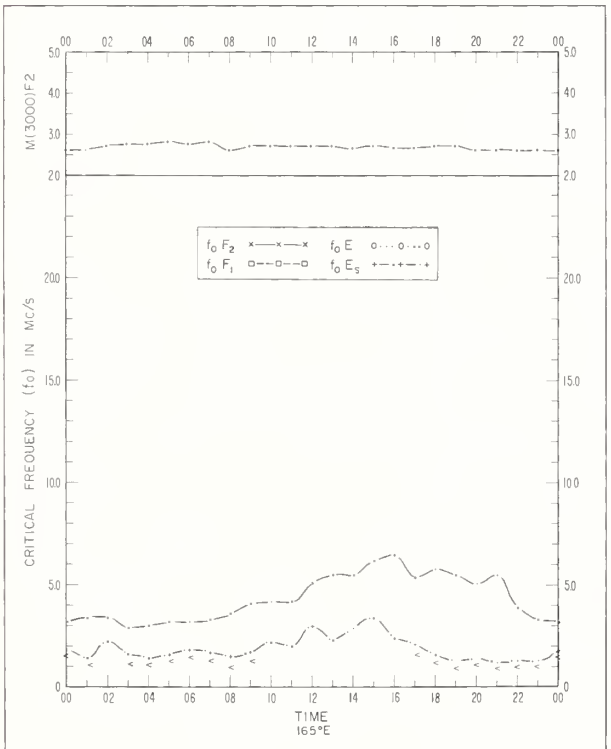

Fig 87. SCOTT BASE, ANTARCTICA
77.9°S, 166.8°E
JUNE 1960

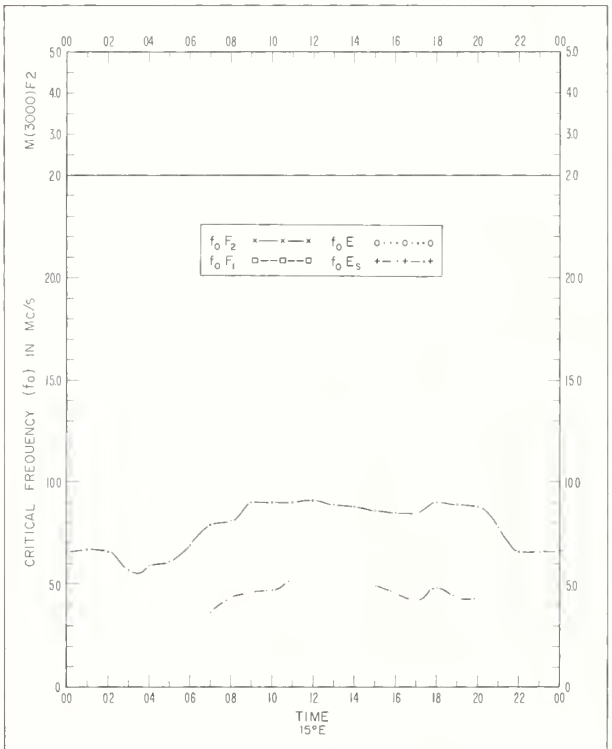

Fig. 88. GRAZ, AUSTRIA
47.1°N, 15.5°E
MAY 1960

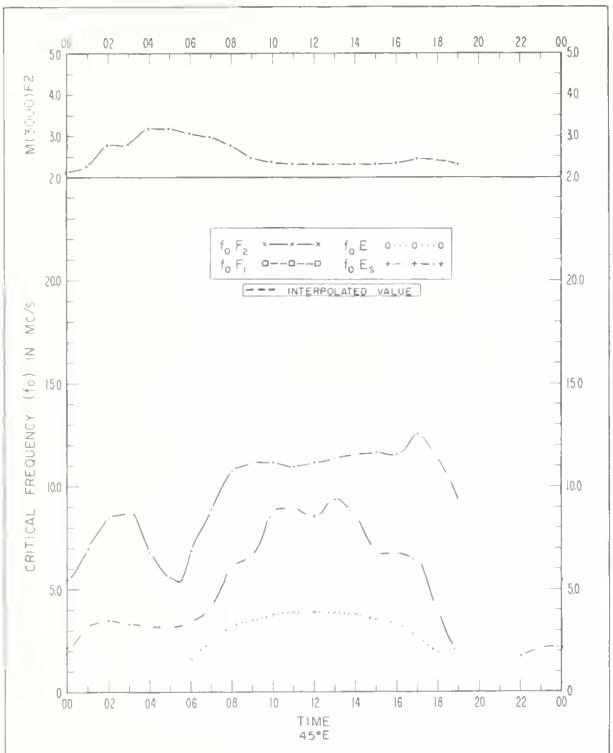

Fig 89 DJIBOUTI, FRENCH SOMALILAND
11 6°N, 43 2°E MAY 1960

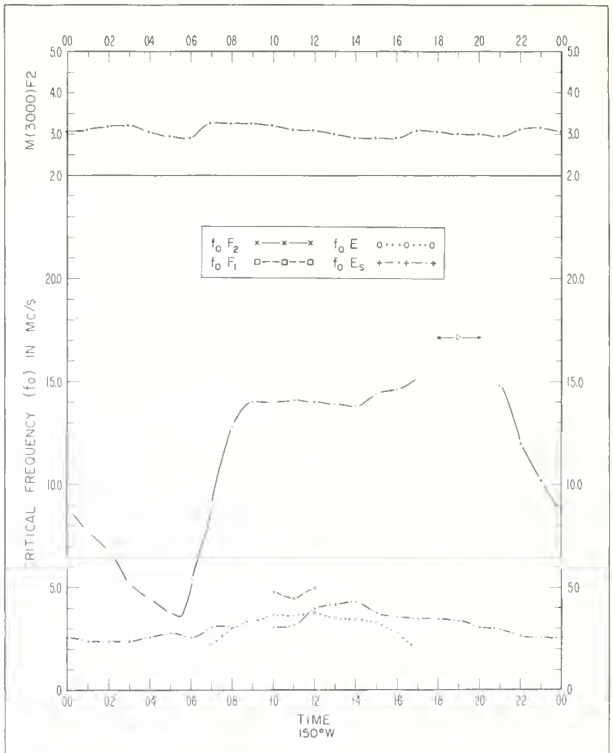

Fig 90 TAHITI, SOCIETY IS.
17 7°S, 149 3°W MAY 1960

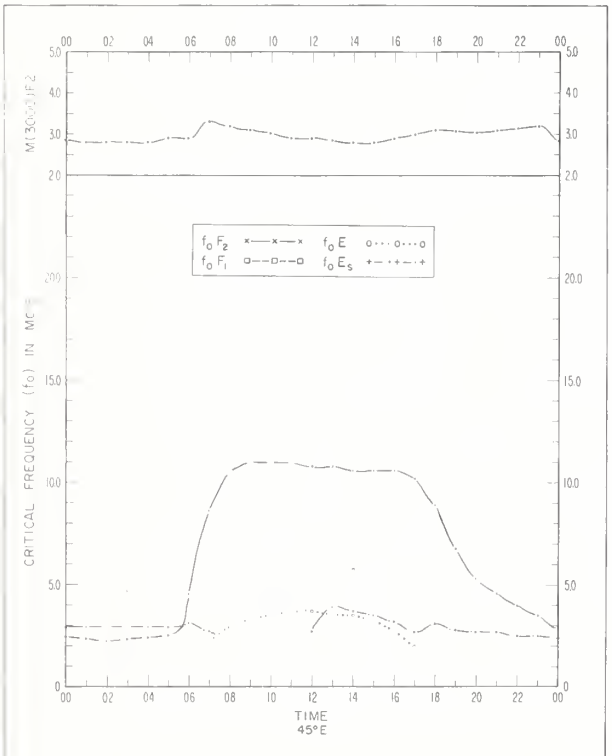

Fig 91 TANANARIVE, MALAGASY REPUBLIC
18 8°S, 47 5°E MAY 1960

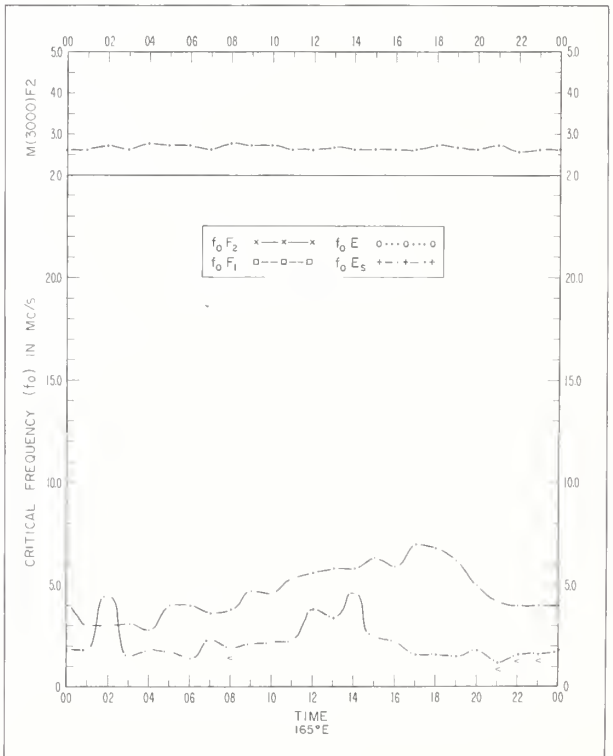

Fig 92. SCOTT BASE, ANTARCTICA
77 9°S, 166 8°E MAY 1960

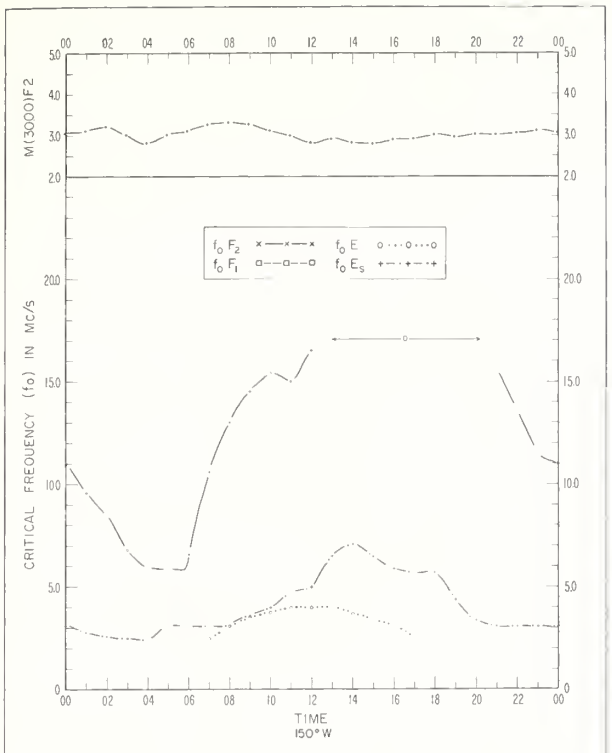

Fig. 93. TAHITI, SOCIETY IS
17.7°S, 149.3°W
APRIL 1960

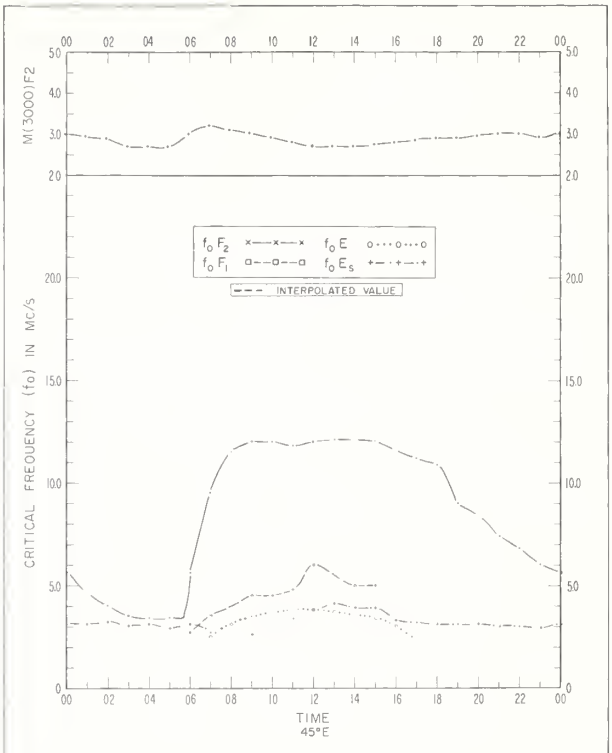

Fig 94 TANANARIVE, MALAGASY REPUBLIC
18.8°S, 47.5°E
APRIL 1960

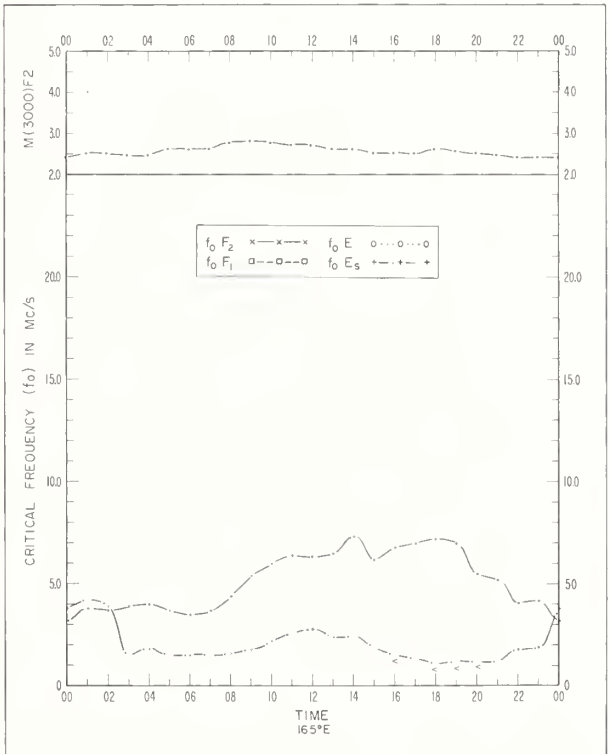

Fig. 95. SCOTT BASE, ANTARCTICA
77.9°S, 166.8°E
APRIL 1960

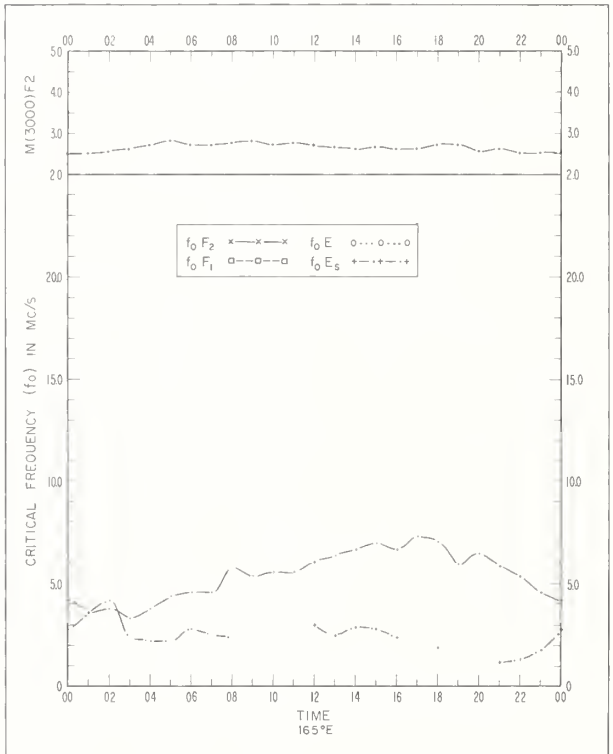

Fig. 96. SCOTT BASE, ANTARCTICA
77.9°S, 166.8°E
MARCH 1960

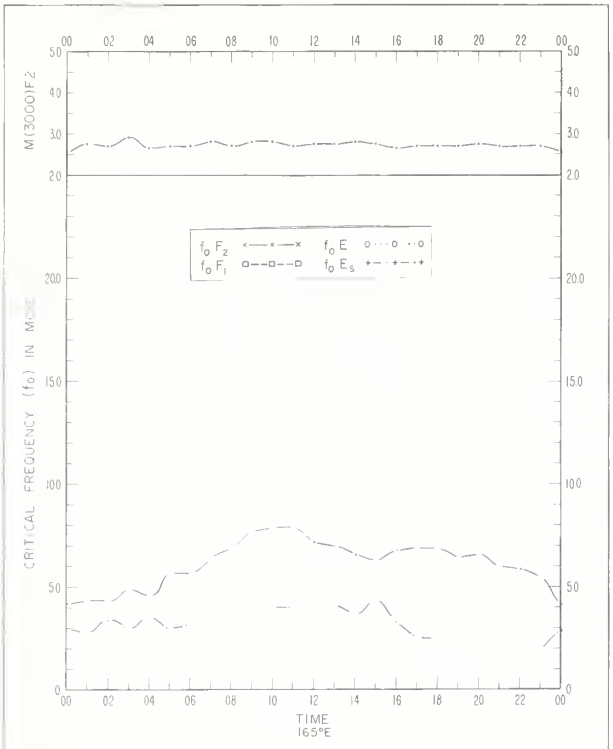

Fig 97 CAPE HALLETT, ANTARCTICA
72.3°S, 170.2°E FEBRUARY 1960

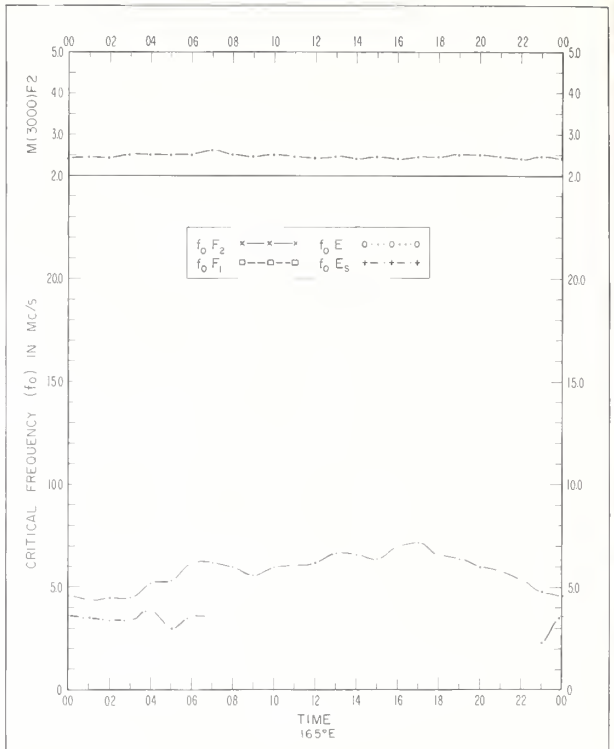

Fig 98. SCOTT BASE, ANTARCTICA
77.9°S, 166.8°E FEBRUARY 1960

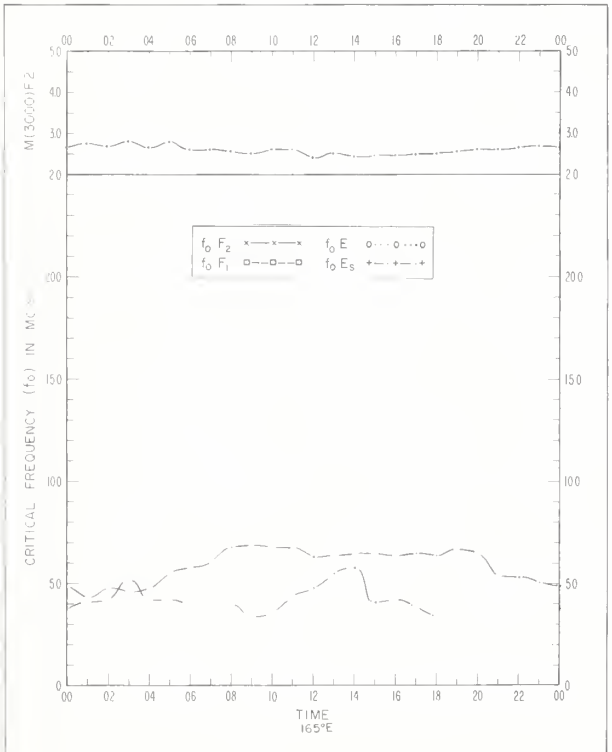

Fig 99. CAPE HALLETT, ANTARCTICA
72.3°S, 170.2°E JANUARY 1960

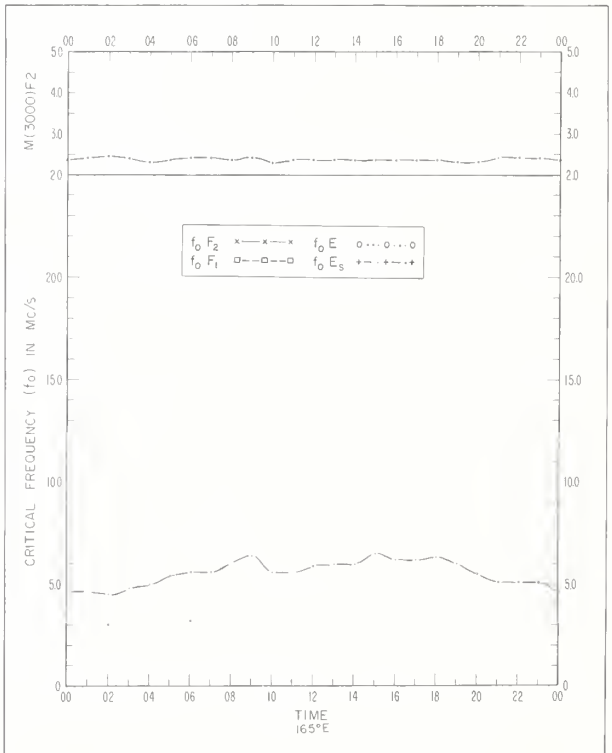

Fig 100. SCOTT BASE, ANTARCTICA
77.9°S, 166.8°E JANUARY 1960

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