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CRPL-F225 PART A

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PART A

IONOSPHERIC DATA

ISSUED
MAY 1963

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

CRPL-F 225
PART A

NATIONAL BUREAU OF STANDARDS
CENTRAL RADIO PROPAGATION LABORATORY
BOULDER, COLORADO

Issued
24 May 1963

IONOSPHERIC DATA

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IONOSPHERIC DATA

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		

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

COMMONWEALTH OF AUSTRALIA, IONOSPHERIC PREDICTION SERVICE OF THE COMMONWEALTH OBSERVATORY.
- BRISBANE, AUSTRALIA
- CANBERRA, AUSTRALIA

AUSTRALIAN DEPARTMENT OF NATIONAL DEVELOPMENT, BUREAU OF MINERAL RESOURCES, GEOLOGY AND GEOPHYSICS.
- MUNDARING, WESTERN AUSTRALIA

UNIVERSITY OF GRAZ.
- GRAZ, AUSTRIA

BELGIAN ROYAL METEOROLOGICAL INSTITUTE.
- DOURBES, BELGIUM

BRITISH DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RADIO RESEARCH BOARD.
- FALKLAND IS.
- IBADAN, NIGERIA (UNIVERSITY COLLEGE OF IBADAN)
- PORT LOCKROY, ANTARCTICA
- SINGAPORE, BRITISH MALAYA
- SLOUGH, ENGLAND

RADIO WAVE RESEARCH LABORATORIES, NATIONAL TAIWAN UNIVERSITY, TAIPEH, FORMOSA, CHINA.
- FORMOSA, CHINA

CENTRAL AFRICAN INSTITUTE FOR SCIENTIFIC RESEARCH.
- LWIRO, CONGO

METEOROLOGICAL SERVICE OF CONGO.
- LEOPOLDVILLE, CONGO

DANISH NATIONAL COMMITTEE OF URSI.
- GODHAVN, GREENLAND
- NARSSARSSUAQ, GREENLAND

IONOSPHERIC RESEARCH GROUP (GRI), FRANCE.
- DAKAR, SENEGAL
- DJIBOUTI, FRENCH SOMALILAND
- PARIS, FRANCE
- TAHITI, SOCIETY IS.
- TANANARIVE, MALAGASY REPUBLIC

INSTITUTE FOR IONOSPHERIC RESEARCH, LINDAU UBER NORTHEIM, HANNOVER, GERMANY.
LINDAU/HARZ, GERMANY

IONOSPHERE INSTITUTE, NATIONAL OBSERVATORY OF ATHENS.
ATHENS (SCARAMANGA), GREECE

INDIAN COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RADIO RESEARCH COMMITTEE, NEW DELHI, INDIA.
AHMEDABAD, INDIA (PHYSICAL RESEARCH LABORATORY)

GEOPHYSICAL AND GEODETIC INSTITUTE, GENOA, ITALY.
GENOA (MONTE CAPELLINO), ITALY

MINISTRY OF POSTS AND TELECOMMUNICATIONS, RADIO RESEARCH LABORATORIES, TOKYO, JAPAN.
SYOWA BASE, ANTARCTICA

THE ROYAL NETHERLANDS METEOROLOGICAL INSTITUTE.
DE BILT, NETHERLANDS

INSTITUTE OF TELECOMMUNICATION, WARSAW, POLAND.
WARSAW, POLAND

ROYAL BOARD OF SWEDISH TELEGRAPHS, RADIO DEPARTMENT, STOCKHOLM, SWEDEN.
LULEA, SWEDEN

UNITED STATES ARMY SIGNAL CORPS., UNITED STATES OF AMERICA.
FT. MONMOUTH, NEW JERSEY
THULE, GREENLAND

NATIONAL BUREAU OF STANDARDS, UNITED STATES OF AMERICA. (CENTRAL RADIO PROPAGATION LABORATORY).
HUANCAYO, PERU (INSTITUTO GEOFISICO DEL PERU)
MAUI, HAWAII
POLE STATION, ANTARCTICA
TALARA, PERU (INSTITUTO GEOFISICO DEL PERU)

TABLES OF IONOSPHERIC DATA

June 1962 - January 1963

TABLE 1

THULE, GREENLAND (76.0N, 68.0W) 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	475	465	44	U 465	44	46	435	45	44	46	U 465	47	465	46	49	485	49	49	48	49	465	48	45	U 47
	CNT	26	26	26	26	24	23	24	23	22	25	18	21	24	25	23	24	26	25	24	27	26	25	25	25
	UQ	50	49	50	50	50	49	48	52	50	51	48	52	52	53	53	52	53	52	53	53	52	52	50	51
	LD	44	43	41	42	42	39	41	39	40	42	43	44	40	43	46	46	46	44	43	46	43	46	42	45
h'F2	MED	292	300	305	301	3205	390	405	377	480	435	390	401	4425	405	370	374	360	345	3325	318	309	300	297	263
	CNT	11	13	14	18	18	23	18	21	20	22	17	19	22	22	20	24	26	25	28	21	21	19	14	10
	UQ	310	343	360	350	410	430						475		500	408	430	398	395	392	335	326	325	310	280
	LQ	271	260	292	285	302	335	323	325	326	340	365	360	370	355	342	351	332	322	314	300	290	275	280	250
h'F	MED	215	220	219	2095	201	190	2035	200	209	210	204	200	205	204	200	210	207	210	212	2165	219	220	220	2135
	CNT	29	29	27	30	30	29	30	28	27	27	27	25	26	29	28	27	27	27	23	28	27	29	28	30
	UQ	223	230	227	220	216	208	210	210	215	230	225	210	210	211	218	218	216	223	230	228	223	230	226	223
	LD	210	210	210	210	195	184	190	200	198	198	191	193	190	195	192	198	193	200	200	210	210	207	210	209
M(3000)F2	MED	305	310	300	3075	290	285	280	280	270	270	275	280	270	2675	295	285	300	305	300	305	305	300	310	3175
	CNT	26	23	25	26	24	22	18	22	21	24	18	17	23	24	22	24	26	23	21	27	25	22	24	24
	UQ	315	330	330	325	310	310	315	305	310	290	295	295	295	300	300	305	320	315	320	320	330	325	320	345
	LD	300	290	285	290	265	270					230	255		240	265	270	275	285	290	290	295	295	300	305
foF1	MED				350	360	370	370	390	400	400	410	400	410	400	400	400	390	380	360	350	340			
	CNT	1	3	4	10	20	24	24	28	25	26	25	24	24	27	28	22	26	23	19	11	8	4		1
foE	MED	200	210	220	2225	230	250	260	270	280	290	290	300	290	285	290	275	270	265	250	2425	230	220	210	200
	CNT	27	28	29	28	27	27	23	26	19	14	16	16	17	13	17	17	18	19	21	18	22	27	24	23
h'E	MED	108	1055	102	101	100	100	100	99	98	98	97	98	99	98	98	98	100	100	100	101	102	1035	105	107
	CNT	30	30	30	30	30	30	30	29	29	27	24	22	24	21	25	23	24	25	25	25	27	30	29	30
foEs	MED											325			38			335							
	CNT	30	30	30	30	30	30	30	30	30	290	30	30	29	29	30	30	30	30	30	30	30	30	30	30

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

TABLE 2

FT. MONMOUTH, NEW JERSEY (40.4N, 74.1W) 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	445	40	37	35	32	39	47	54	56	59	58	60	60	62	625	635	63	64	68	725	69	595	53	47
	CNT	24	24	25	25	26	29	29	29	31	30	30	31	31	28	30	30	29	29	29	30	29	26	27	29
	UD	46	44	40	38	35	45	52	60	63	63	64	65	67	68	70	67	68	71	75	78	72	65	57	50
	LD	39	34	29	26	26	33	42	44	50	51	53	54	54	56	56	59	58	59	62	65	60	50	44	39
h'F2	MED							280	295	311	3205	339	363	370	338	342	3315	320	297	273					
	CNT							11	23	29	30	30	31	31	27	30	30	29	29	26					
	UD							330	390	368	400	397	390	405	393	380	358	354	318	283					
	LD							268	264	284	293	315	322	330	320	317	302	304	290	262					
h'F	MED	U 280	E 285	U 285	E 289	E 2825	248	225	215	2075	200	192	190	200	206	207	U 215	U 2165	2215	E 242	245	235	240	258	U 270
	CNT	29	29	29	28	28	29	29	29	30	28	29	30	31	27	28	27	24	24	26	30	31	31	31	31
	UQ	298	293	300	304	296	262	232	231	220	209	212	200	230	220	216	230	231	238	272	250	243	250	265	290
	LD	265	264	270	262	256	238	216	208	203	190	182	180	190	200	196	205	210	216	231	236	225	230	250	262
M(3000)F2	MED	290	2925	295	300	3075	3275	330	325	315	315	305	300	295	300	2975	305	305	310	310	315	315	310	300	295
	CNT	23	24	23	24	24	28	27	28	30	29	29	31	31	27	30	30	29	29	29	30	29	26	25	28
	UQ	300	300	305	305	310	340	340	335	330	330	320	310	305	310	305	310	305	315	315	320	320	315	310	300
	LQ	285	280	280	285	300	310	315	310	300	285	290	285	280	285	290	295	295	295	305	310	305	300	290	290
foF1	MED							350	400	430	440	460	460	470	470	460	440	430	400						
	CNT						1	5	12	26	26	29	30	31	27	27	27	22	12						
foE	MED							230	U 2625	U 2925	U 310		340	U 355	U 350	335	U 330	U 300	U 260	U 205					
	CNT						2	10	10	12	8	2	6	7	8	12	14	18	17	6					
h'E	MED						E (130	110	1075	105	105	105	103	103	105	105	105	108	110	1185					
	CNT						5	28	30	31	30	31	31	31	30	30	30	29	29	28					
foEs	MED							24	315	35	355	37	365	38	37	375	37	34	32	28	235	355	30		
	CNT	31	30	30	30	30	30	29	30	31	300	31	30	31	30	30	30	29	29	29	28	24	31	31	31

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

TABLE 3

MAUI, HAWAII (20.8N, 156.5W) 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	66	U 68	585	U 525	46	U 43	47	63	73	78	84	93	104	109	112	118	120	119	122	110	87	77	74	685
	CNT	25	27	26	28	27	28	31	31	31	31	31	30	30	31	31	31	31	31	31	31	31	31	31	30
	UD	72	74	66	55	52	47	53	68	80	85	95	103	110	117	117	123	130	130	129	125	95	85	79	75
	LD	57	57	54	48	42	40	44	60	66	71	78	86	97	103	107	112	111	114	114	101	77	71	64	59
h'F2	MED								U 275	2675	3325	365	3725	3625	340	335	325	300	280	2625					
	CNT								5	16	20	25	28	30	31	31	31	31	31	30					
	UQ								300	290	390	380	390	375	360	350	340	315	295	275					
	LQ								260	260	310	340	350	345	320	320	315	290	275	255					
h'F	MED	E 285	260	245	250	265	E 265	240	2225	210	200	190	190	200	205	E 215	220	220	225	2325	230	225	E 2475	E 270	275
	CNT	31	31	30	28	30	29	29	28	27	27	20	18	17	21	24	24	20	16	18	30	29	28	28	29
	UQ	290	285	255	260	280	280	250	235	215	205	205	195	220	215	225	230	225	230	240	240	235	280	280	290
	LQ	270	255	235	240	250	250	230	220	205	195	180	185	190	200	210	210	215	220	230	220	215	225	235	265
M(3000)F2	MED	295	U 305	U 3175	U 310	305	U 305	320	320	300	2725	270	270	280	290	290	295	310	315	325	330	315	305	290	295
	CNT	23	24	24	24	22	23	30	31	31	30	31	29	30	31	31	31	31	31	31	31	31	30	29	30
	UQ	300	320	330	320	310	310	330	335	330	295	280	280	285	295	300	305	320	325	330	345	330	310	305	300
	LQ	290	295	310	300	290	295	305	300	275	260	255	265	275	285	285	290	300	310	320	330	305	290	285	285
foF1	MED										480	490	490	490	490	480	470	U 450							
	CNT									2	9	16	19	24	26	27	26	13	1						
foE	MED							U 150	240	290	U 325	U 3425	D 355	U 360	U 360	360	340	U 3125	275	D 2125					
	CNT						1	6	22	23	17	12	8	6	7	11	11	16	24	10	1				
h'E	MED							113	109	105	103	103	103	103	103	103	105	105	109	115			119		
	CNT		1			2	1	6	28	30	30	31	30	29	30	31	31	28	25	17	1	3	5	1	
foEs	MED	33	33	26	26	25	24	25	31	34	355	40	48	435	43	40	38	37	37	36	35	35	31	36	36
	CNT	31	31	31	31	31	31	31	31	31	300	31	29	30	31	31	31	31	31	31	31	31	31	31	31

SWEEP 0.25 MC TO 20.0 MC IN 27 SECONDS. MAY, 1962

TABLE 4

TALARA, PERU (4.6S, 81.3W) 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	MEO	825	65	61	54	43	36	35	605	825	925	955	99	101	100	1035	1115	1125	113	1085	106	106	112	118	116
	CNT	22	21	23	21	24	23	20	28	28	28	28	29	30	30	30	30	30	30	30	30	27	21	19	25
	UD	97	70	67	61	50	43	41	65	88	96	99	103	104	106	110	117	119	116	114	110	111	116	124	126
	LD	75	57	54	50	36	30	28	58	78	86	92	96	97	96	100	105	108	106	104	103	100	104	112	105
h'F2	MEO											1	4	U 340	U 340										
	CNT													6	8	3	2								
	UQ													345	350										
	LQ													325	320										
h'F	MEO	200	2125	230	230	230	240	250	240	230	215	210	200	200	200	195	200	200	220	250	280	295	260	230	210
	CNT	30	30	29	29	29	27	24	28	28	27	28	25	28	29	27	27	25	26	28	28	24	23	30	29
	UQ	205	220	240	240	240	255	270	245	235	220	215	205	200	200	200	210	220	230	260	305	305	280	240	210
	LQ	200	210	230	220	220	230	240	240	220	210	205	200	195	190	185	190	190	210	250	270	275	250	225	200
M(3000)F2	MEO	3375	310	320	330	330	315	300	320	2975	265	235	230	225	230	245	265	2725	260	2575	255	265	290	310	350
	CNT	22	21	23	21	23	21	20	27	28	28	28	29	30	29	30	30	30	30	30	29	21	15	16	25
	UD	350	330	320	340	345	330	315	330	310	295	255	240	240	240	255	270	285	275	270	270	275	290	320	355
	LD	325	300	310	320	305	30*	280	305	280	255	230	220	220	220	230	250	255	255	250	245	260	285	310	335
foF1	MEO											1	4	480	475										
	CNT													7	6	2									
foE	MEO								210	280	325	3475	360	370	3625	350	335	300	2675	195					
	CNT								22	25	25	22	23	27	24	21	18	14	14	13					
h'E	MEO								122	117	115	109	109	109	109	107	107	109	U 113	E 139					
	CNT								22	28	28	28	29	30	30	30	28	25	22	11					
foEs	MEO					16	21	20	215	305	35		38			36	375	335	29	265	225	20	205	255	21
	CNT	30	30	29	28	29	29	29	28	28	280	28	29	30	30	30	30	30	30	30	30	30	30	30	29

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

TABLE 5

NARSSARSSUAQ, GREENLAND (61.2N, 45.4W) 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	U	U	U	U	U	U										U		U	U	U	U	U	U	U
	CNT	31	325	31	30	27	27	31	40	50	58	58	605	64	64	64	63	63	57	59	44	38	36	36	28
	UQ	3	4	5	7	10	13	16	24	26	28	28	28	28	25	26	25	23	25	15	11	8	5	6	5
	LQ	32	33	35	32	32	33	38	46	53	64	64	67	72	72	74	72	69	66	65	62	53	40	40	36
		23	28	30	28	25	22	28	38	44	52	52	52	54	54	57	56	55	46	46	36	34	32	35	28
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED					U	U														U			U	
	CNT	1	1	2	4	290	2925	315	330	330	325	325	310	315	315	315	315	320	315	315	305			290	
	UQ					7	6	15	23	24	26	25	27	25	22	24	21	21	20	12	7	3	3	5	2
	LQ					295	310	325	335	340	335	330	325	325	325	325	325	330	325	315	320			300	
						280	285	310	320	320	315	300	295	300	305	305	300	310	310	305	280			260	
foF1	MED												U												
	CNT								1		2	2	400	380	U 410										
													7	5	6	4	2	1							
foE	MED																	U							
	CNT						2	3	1925	225	270	275	290	290	290	280	270	240	215						
									6	7	15	13	14	20	20	16	13	9	7						
h'E	MED									E															
	CNT							117	117	116	117	115	115	115	115	114	115	115	119						
							4	5	7	14	19	18	19	21	23	20	19	17	13	2	2				
foEs	MED	37	31	315	40	39	32													24	28	31	28	36	355
	CNT	26	26	24	25	24	27	25	25	26	270	28	30	30	29	28	26	27	28	29	29	28	29	28	24

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

TABLE 6

HUANCAYO, PERU (12.0S, 75.3W) 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																							
	CNT	74	685	46	38	33	26	415	70	845	895	915	895	90	955	95	995	101	100	99	95	87	825	81	73
	UQ	11	12	15	17	19	24	26	28	28	28	28	28	28	28	28	28	28	28	28	27	19	14	11	10
	LQ	86	76	58	56	45	39	45	74	90	98	100	104	103	104	106	111	108	106	104	101	95	90	90	89
		49	48	33	26	18	18	37	67	78	85	82	80	82	80	80	86	87	90	92	90	80	79	70	63
h'F2	MED										3175	335	350	360	3525	340	3175								
	CNT									2	12	17	14	19	18	19	8	4							
	UQ										340	360	370	380	375	360	350								
	LQ										295	315	335	340	330	330	310								
h'F	MED	2575	245	235	240	240	240	255	230	220	210	200	1975	195	1925	190	195	195	230	255	E 275	295	2875	E 270	2625
	CNT	24	27	27	26	25	27	28	28	28	28	28	28	28	28	27	27	27	28	28	27	17	14	14	20
	UQ	295	290	255	255	250	260	260	235	220	215	210	200	200	200	200	200	200	235	260	295	345	295	325	300
	LQ	250	220	225	230	230	225	250	225	210	200	190	190	190	190	190	190	190	220	250	265	280	270	250	245
M(3000)F2	MED	U	U																						U
	CNT	310	325	335	335	335	335	3125	330	315	2825	2625	2525	250	2475	2575	265	2675	270	270	260	2625	2725	2975	2925
	UQ	8	11	15	17	17	19	26	28	28	28	28	28	28	28	28	27	26	28	28	27	18	14	10	8
	LQ	315	335	345	350	345	345	320	340	330	310	290	270	265	265	275	285	285	290	280	285	290	290	300	310
		300	315	315	325	320	325	300	325	300	260	250	240	235	235	240	245	245	250	255	250	250	260	285	290
foF1	MED											460	470	470	460	460									
	CNT											5	10	12	14	10	1								
foE	MED							135	240	295	U 330	U 335	U 370	U 380	U 370	U 355	U 335	U 305	U 270	U 200					
	CNT							6	27	27	27	27	27	27	26	27	27	27	25	20					
h'E	MED							E		111	109	107	107	107	109	109	111	111	113	125					
	CNT							5	115 27	26	27	27	24	23	25	26	27	28	26	19					
foEs	MED	34	335	38	35	35	38	35	355	51	80	815	845	845	87	765	77	72	685	48	16				
	CNT	28	28	28	28	28	27	28	28	28	280	28	28	28	28	28	27	26	28	28	27	27	27	27	27

SWEEP 1.0 MC TO 25.0 MC IN 1 MINUTE 48 SECONDS. FEBRUARY, 1962

TABLE 7

GODHAVN, GREENLAND (69.3N, 53.5W) 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	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	CNT	295	23	27	25	24	27	385	29	36	29	36	40	425	42	44	41	42	38	36	30	35	32	28	32
	UQ	4	7	6	4	8	1	4	1	1	3	13	13	10	10	12	10	7	7	14	11	9	9	8	5
	LQ	30	27	27	28	30		43			32	38	51	50	43	46	46	54	44	46	30	37	34	31	34
		24	20	25	24	20		32			28	30	36	35	36	35	38	37	32	30	28	28	26	26	26
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED											U			U										
	CNT	1	1	2	1	2				1		325	1	4	340	3	1	2	2	3	1	2		2	
	UQ											5			5										
	LQ											335			350										
												290			330										
foF1	MED																								
	CNT																								
foE	MED																								
	CNT						1					1	1	3	4	2	1								
h'E	MED											122	U 121	U 132	129	125	127								
	CNT						1					6	5	8	9	8	5								
foEs	MED							245	40	37		215						21	35	36	37	45	34	44	
	CNT	20	19	24	25	22	22	24	25	20	240	28	28	28	25	27	24	23	25	27	25	22	25	24	22

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS. JANUARY, 1962

TABLE 8

FT. MONMOUTH, NEW JERSEY (40.4N, 74.1W) 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	MEO	24	24	275	30	305	29	25	315	49	57	65	68	71	67	67	64	61	51	445	37	30	23	23	23
	CNT	21	25	22	21	26	28	27	26	28	26	26	25	29	28	30	29	29	29	30	30	29	26	27	25
	UD	27	27	31	34	35	34	31	34	55	60	68	76	77	73	70	69	66	58	52	43	34	27	26	26
	LQ	22	22	23	23	25	24	22	29	46	53	59	62	66	64	65	60	56	46	38	31	24	22	21	21
h'F2	MEO										2375	249	250	2465	255	250	240								
	CNT										6	14	21	26	27	26	18	1							
	UQ										249	250	260	253	265	262	250								
	LQ										235	239	238	238	240	240	235								
h'F	MEO	E 2985	U 295	U 285	U 267	E 242	U 245	U 250	235	220	216	210	209	205	207	2035	218	222	216	E 230	230	U 248	E 272	E 289	E 2915
	CNT	22	26	25	27	28	30	28	27	29	26	27	27	29	28	30	29	29	29	30	30	29	27	26	24
	UQ	307	315	305	280	265	265	278	240	225	225	225	223	220	213	210	225	230	221	235	238	272	295	309	315
	LQ	279	280	266	253	235	225	235	222	214	200	200	190	198	198	195	200	214	210	220	220	230	250	268	278
M(3000)F2	MEO	305	300	300	310	320	330	330	330	360	355	350	335	350	340	340	350	345	340	320	3325	320	315	310	3075
	CNT	17	21	21	20	25	23	26	26	28	25	25	24	28	28	30	29	29	29	29	28	28	24	23	20
	UQ	310	305	310	320	335	340	340	340	370	370	355	350	355	350	350	350	350	350	335	340	335	320	315	310
	LQ	300	290	295	310	310	320	320	320	350	350	335	325	340	330	330	340	335	330	320	320	315	310	300	300
foF1	MED																								
	CNT										1	1	3	4	1		1								
foE	MEO									205	250	280	290	300	290	2775	250	215							
	CNT									21	12	10	17	21	20	20	21	15							
h'E	MEO									E 130	E 118	1105	112	113	112	112	112	E 124							
	CNT									23	23	26	27	29	27	28	28	18							
foEs	MEO			18							275	31	29												
	CNT	30	30	29	31	30	31	29	27	29	260	27	26	29	28	30	29	29	29	30	30	30	31	31	31

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

TABLE 9

TALARA, PERU (4.6S, 81.3W) 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	70	53	30	30	24	225	U 23	56	78	86	925	94	97	94	94	100	101	97	965	99	965	87	655	645
	CNT	17	17	16	18	17	16	21	29	29	29	30	31	31	31	31	30	30	28	30	31	30	27	20	14
	UQ	72	62	45	34	28	26	28	58	83	92	100	96	101	103	103	106	106	106	105	109	110	100	85	
	LQ	58	40	30	25	18	17	21	55	76	84	86	86	86	88	88	90	95	92	86	86	74	61	57	
h'F2	MED									U 265	285	305	340	360	370	370	340	3075	U 275						
	CNT									5	17	19	24	28	27	28	21	16	5						
	UQ									270	300	330	370	380	400	395	380	330	310						
	LQ									260	275	285	320	330	335	330	330	295	265						
h'F	MED	230	220	E 225	230	240	240	E 275	240	220	200	190	190	185	180	180	E 1775	1825	2225	2425	240	2375	2225	230	230
	CNT	24	24	24	21	17	15	19	26	27	26	27	27	29	28	28	24	18	18	24	31	30	28	26	21
	UQ	240	230	240	255	250	240	300	245	230	210	200	190	190	190	190	185	200	230	245	250	250	240	235	245
	LQ	220	210	210	220	230	225	265	230	200	190	180	180	180	180	175	170	175	190	240	230	225	220	220	215
M(3000)F2	MED	340	350	3325	340	335	350	285	325	315	310	2925	275	260	260	2575	2775	290	2975	3075	3225	3325	330	3325	320
	CNT	17	14	14	14	13	15	19	29	29	28	30	29	31	31	30	30	29	28	30	30	30	25	18	14
	UQ	350	355	350	350	350	350	300	335	335	330	320	300	290	280	285	290	310	320	320	340	350	350	340	330
	LQ	325	350	385	330	310	320	280	315	300	280	255	245	230	230	230	250	260	280	285	305	320	320	320	300
foF1	MED											450	470	480	470	470	465								
	CNT										2	14	20	26	27	22	8	1							
foE	MED								215	U 280	310	335	350	360	360	350	3375	310	270	220					
	CNT								18	17	20	22	23	22	22	20	22	20	13	10					
h'E	MED							E 121		110	E 110	109	109	109	109	109	109	109	111	119					
	CNT							19		20	24	27	27	28	26	27	29	23	22	15					
foEs	MED	35	235	275	24	235	23	19	25	36	345	44	40	37	37	40	41	40	36	365	305	225	22	27	37
	CNT	30	30	30	30	30	29	29	29	29	280	30	31	31	31	31	30	29	29	30	28	30	30	30	29

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

TABLE 10

GENOA (MONTE CAPELLINO), ITALY (44.6N, 9.0E) 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	36	35	35	33	32	31	30	48	56	63	69	70	66	67	64	60	48	36	33	33	31	32	34	36
	CNT	25	24	24	24	24	22	25	25	24	24	24	24	25	26	26	26	25	25	25	24	24	24	23	24
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	245	265	270	255	235	230	225	215	220	220	220	220	220	220	220	215	215	225	230	230	255	265	275	265
	CNT	25	25	25	25	25	24	25	25	25	25	25	25	26	26	26	26	24	24	24	23	23	23	22	23
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED								180	220	250	270	280	280	270	240	190								
	CNT								25	24	24	19	21	24	23	24	23								
h'E	MED																								
	CNT																								
foEs	MED	E	E	E	E	E	E	E	G		18	28	32	30	G	G	G	G	E	E	E	E	E	E	E
	CNT	25	25	25	25	25	25	25	25		25	230	23	23	24	24	24	23	25	25	24	24	24	24	24

SWEEP 1.0 MC TO 20.0 MC IN 5 MINUTES. AUTOMATIC. DECEMBER, 1961

TABLE 11

GENOA (MONTE CAPELLINO), ITALY (44.6N, 9.0E) 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	38	38	38	36	36	35	40	58	64	68	69	71	72	69	68	66	57	42	39	39	36	36	36	36
	CNT	27	26	26	25	25	26	26	26	26	26	27	27	26	27	27	28	28	28	28	28	28	28	28	28
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	270	275	265	260	240	225	225	220	220	220	220	220	220	220	215	220	210	220	230	230	230	245	255	250
	CNT	28	27	27	26	26	26	26	26	26	26	27	27	26	27	27	28	28	28	28	28	28	28	28	28
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED								200	240	260	280	290	290	270	250	210								
	CNT								28	27	27	28	27	27	28	27	28								
h'E	MED																								
	CNT																								
foEs	MED	E	E	E	E	E	E	E	G				G	G	G	G	G	G	E	E	E	E	E	E	E
	CNT	27	27	27	26	26	26	26	26	24 26	27 260	30 27	27	27	27	27	28	28	28	28	28	28	28	28	28

SWEEP 1.0 MC TO 20.0 MC IN 5 MINUTES. AUTOMATIC. NOVEMBER, 1961

TABLE 12

GENOA (MONTE CAPELLINO), ITALY (44.6N, 9.0E) 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	41	40	38	38	38	35	52	65	70	70	73	74	72	72	73	73	70	70	59	48	44	40	39	39
	CNT	30	29	27	27	27	28	28	28	27	30	29	30	29	31	31	31	31	31	30	30	29	30	27	29
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	270	265	270	260	235	225	215	215	215	215	220	220	220	215	220	220	220	215	210	220	230	245	250	260
	CNT	28	28	29	27	25	27	30	30	29	28	30	30	26	28	28	28	31	30	30	30	28	30	28	29
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED							180	230	270	290	300	320	320	300	280	250	210							
	CNT							5	30	31	31	30	28	25	28	29	24	11							
h'E	MED																								
	CNT																								
foEs	MED	E	E	E	E	E	E	G	G		27	34	34	34	32	G	G	23	27	19	E	E	E	E	E
	CNT	30	30	30	30	30	30	30	31		31	310	31	31	31	31	31	31	31	31	31	31	30	30	30

SWEEP 1.0 MC TO 20.0 MC IN 5 MINUTES. AUTOMATIC. OCTOBER, 1961

TABLE 13

THULE, GREENLAND 176.0N, 68.0W) 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 435	U 455	U 385	U 41	U 415	U 38	U 40	U 47	U 465	U 48	U 465	U 48	U 48	U 50	U 495	U 53	U 51	U 49	U 51	U 48	U 45	U 475	U 445	U 40
	CNT	14	6	14	18	14	15	15	19	22	25	20	19	15	19	20	24	24	25	22	24	23	20	16	13
	UQ	47	47	45	45	49	47	48	51	51	50	52	52	53	54	54	56	53	54	55	54	54	52	50	50
	LQ	37	43	31	33	34	34	35	42	43	44	45	45	44	46	48	46	48	47	47	42	42	39	34	28
h'F2	MED								U 297	289	U 312	U 334	U 312	337	328	310	3105								
	CNT							2	7	11	9	8	17	11	13	11	10	4	4						
	UQ								340	310	336	360	372	380	367	380	360								
	LQ								255	280	295	310	298	303	292	300	290								
h'F	MED	250	253	259	2505	255	248	245	239	234	235	225	2235	220	E 217	2305	233	240	2455	252	249	249	250	2555	2515
	CNT	29	28	28	26	27	27	24	23	23	25	24	26	25	24	24	24	26	24	25	27	28	27	28	28
	UQ	272	270	276	264	260	265	252	250	255	240	238	230	231	230	238	242	250	254	262	255	266	260	279	272
	LQ	234	246	246	237	240	232	232	220	220	220	214	218	213	210	216	227	229	231	246	241	241	240	238	240
M(3000)F2	MED	U 290	U 300	U 290	U 295	U 310	U 310	U 315	U 320	U 320	U 320	U 3075	U 310	U 300	U 3125	U 3075	U 310	310	U 310	U 315	U 310	U 305	U 300	U 305	U 300
	CNT	9	5	9	11	11	13	10	17	17	19	18	17	13	14	18	22	22	23	21	23	19	15	15	8
	UQ	300	310	300	315	315	340	330	340	340	330	320	330	320	320	325	320	315	315	320	320	310	310	310	310
	LQ	280	300	270	280	300	290	295	305	300	305	295	290	290	290	300	300	305	300	300	305	295	295	295	290
foF1	MED											370	380	370	375	360									
	CNT								1	1	3	5	12	7	8	5	4	1							
foE	MED					U 150	U 1875	U 200	205	225	225	235	240	250	245	U 230	230	225	U 210						
	CNT				1	9	10	15	16	18	17	20	21	19	18	19	16	12	7	4	3		1		
h'E	MED					E 1305	120	1185	120	E 117	112	1105	110	110	110	110	E 1155	U 108							
	CNT			2	2	8	6	10	16	18	19	20	21	22	19	16	16	11	4	4	3				
foEs	MED																	25	22	255	235	305	28	245	
	CNT	29	29	29	28	27	27	26	26	27	270	28	27	27	27	28	28	27	27	26	28	28	28	28	28

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

TABLE 14

GENOA (MONTE CAPELLINO), ITALY (44.6N, 9.0E) 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	45	44	42	40	38	40	54	59	69	69	70	70	72	69	70	71	73	73	74	69	61	49	46	45
	CNT	30	29	30	29	30	30	30	30	30	30	30	29	30	29	30	30	30	30	30	30	30	30	30	30
	UQ																								
	LQ																								
h'F2	MEO																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	285	290	290	275	265	250	235	225	225	220	220	220	215	210	220	220	230	240	240	240	240	250	260	280
	CNT	30	29	30	29	29	28	30	30	28	28	28	28	29	28	29	27	28	30	28	30	29	29	27	30
	UQ																								
	LQ																								
M(3000)F2	MEO																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED							220	270	290	310	320	340	350	340	320	300	250	200						
	CNT							26	28	28	27	26	29	24	30	30	25	26	8						
h'E	MED																								
	CNT																								
foEs	MED	E	E	E	E	G									G	G									E
	CNT	30	30	30	30	30	20 29	25 30	32 30	33 30	34 300	36 30	36 30	36 30	30	30	32 30	30 30	27 30	25 30	20 30	26 30	24 30	22 30	30

SWEEP 1.0 MC TO 20.0 MC IN 5 MINUTES. AUTOMATIC. SEPTEMBER, 1961

TABLE 15

GENOA (MONTE CAPELLINO), ITALY (44.6N, 9.0E) 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	MEO	55	52	49	46	46	52	58	68	67	68	70	71	72	72	72	69	71	72	75	79	75	63	56	55
	CNT	29	28	28	29	29	28	31	28	30	30	29	30	30	30	31	31	30	31	28	30	30	31	31	30
	UQ																								
	LQ																								
h'F2	MEO																								
	CNT																								
	UQ																								
	LQ																								
h'F	MEO	290	290	280	275	270	240	225	220	220	215	215	210	210	210	220	220	225	240	250	250	240	245	265	275
	CNT	27	26	27	27	27	25	26	25	23	24	23	21	24	26	27	28	26	27	26	28	29	30	29	27
	UQ																								
	LQ																								
M(3000)F2	MEO																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED						180	240	280	300	330	340	340	350	340	330	320	290	240						
	CNT						9	31	30	30	29	28	26	24	23	28	24	26	29						
h'E	MEO																								
	CNT																								
foEs	MEO	30	19	20	20	25	26	32	40	42	40	46	49	44	40	36	38	36	28	30	27	27	38	26	29
	CNT	29	29	29	29	29	29	31	31	31	300	29	30	31	31	30	30	30	31	31	31	31	31	31	30

SWEEP 1.0 MC TO 20.0 MC IN 5 MINUTES. AUTOMATIC. AUGUST, 1961

TABLE 16

ATHENS, GREECE (38.0N, 23.6E) 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	57	58	54	53	48	44	51	64	72	73	71	76	80	83	84	83	84	84	84	87	85	75	64	61
	CNT	26	26	24	25	26	25	25	26	27	25	25	27	21	23	26	24	27	27	27	28	27	26	26	27
	UQ	61	60	62	60	55	54	56	71	79	83	81	83	86	91	91	92	90	89	88	90	90	82	74	65
	LQ	52	50	50	48	46	40	48	59	68	68	68	71	72	76	76	74	76	74	76	80	80	66	58	56
h'F2	MEO							340	260	300	250	280	285	310	310	295	295	280	280	230					
	CNT							2	2	3	9	9	12	13	20	14	19	12	5	1					
	UQ									300	290	380	310	325	315	305	310	290	290						
	LQ									265	240	240	270	250	290	280	285	270	265						
h'F	MED	E 265	E 260	250	E 250	240	235	220	215	210	U 210	U 205	U 220	200	210	205	205	U 220	210	220	230	E 220	E 220	E 230	E 250
	CNT	26	26	27	27	27	26	25	26	28	25	25	27	21	23	26	24	27	27	27	28	28	26	26	27
	UQ	280	270	290	265	265	250	235	225	240	255	275	280	250	230	270	230	280	230	255	240	230	235	260	265
	LQ	250	255	250	230	225	235	215	205	200	200	200	195	200	195	200	200	210	210	215	230	215	215	220	225
M(3000)F2	MEO	290	293	292	298	305	302	311	338	339	333	324	314	300	301	304	306	311	314	318	318	320	315	307	298
	CNT	26	24	24	25	25	25	25	24	27	25	24	26	21	23	26	24	27	27	26	27	26	26	25	25
	UQ	294	298	300	308	310	312	329	346	350	343	334	322	314	309	311	314	319	325	325	327	331	325	318	310
	LQ	279	284	283	290	293	293	304	328	324	322	307	306	283	291	295	294	303	304	307	311	311	304	295	292
foF1	MEO							315	385	430	455	480	505	510	528	502	495	460	440	300					
	CNT							2	2	3	9	9	12	13	20	14	19	12	5	1					
foE	MED							160	236	285	316	330	345	346	360	345	347	325	290	240	164				
	CNT							19	26	29	26	28	27	24	20	23	21	23	25	23	6				
h'E	MED							117	101	101	101	101	101	101	101	101	103	105	103	103	105				
	CNT							17	27	29	28	29	29	27	26	27	27	28	28	26	5				
foEs	MEO	J 36	J 33	J 26	J 27	J 26	J 22	J 27	J 32	J 40	J 50	J 58	J 50	J 55	46	49	41	42	35	35	J 35	J 34	J 31	J 34	J 34
	CNT	27	27	27	27	27	26	26	27	29	280	28	29	27	26	27	27	28	28	28	28	28	26	27	27

SWEEP 1.0 MC TO 20.0 MC IN 30 SECONDS. AUGUST, 1961

TABLE 17

GENOA (MONTE CAPELLINO). ITALY (44.6N. 9.0E) 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	56	52	52	47	47	51	56	66	65	65	69	68	68	67	68	69	68	70	68	74	71	68	64	59
	CNT	30	29	30	29	30	30	29	28	26	25	27	25	29	30	29	29	28	29	25	26	30	29	31	29
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	313	310	300	300	285	250	240	225	225	225	220	220	225	225	220	230	230	250	255	270	270	280	290	320
	CNT	26	26	30	28	27	27	20	17	14	14	17	19	18	20	19	21	15	12	13	24	25	25	25	26
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED						200	260	290	320	330	340	340	340	340	330	320	290	260	210					
	CNT						18	31	31	31	30	28	26	28	27	30	28	29	31	19					
h'E	MED																								
	CNT																								
foEs	MED	23	22	21	23	20	25	33	40	46	46	46	42	42	44	36	37	42	35	38	28	34	37	29	29
	CNT	31	31	31	31	31	30	31	31	31	310	30	29	29	31	31	31	30	31	31	31	31	31	31	31

SWEEP 1.0 MC TO 20.0 MC IN 5 MINUTES. AUTOMATIC. JULY. 1961

TABLE 18

ATHENS. GREECE (38.0N. 23.6E) 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	66	64	60	58	54	50	57	66	67	71	67	69	74	80	78	80	78	75	76	77	80	76	70	68
	CNT	18	20	19	16	20	22	24	26	24	21	24	24	24	24	26	25	24	26	26	27	26	25	23	21
	UQ	70	67	66	64	58	54	60	69	76	80	73	74	80	88	85	76	88	86	84	86	87	82	78	73
	LQ	53	54	55	52	46	43	50	55	60	59	62	63	64	68	67	73	71	69	67	67	71	68	64	58
h'F2	MED							355	300	275	285	310	290	335	320	310	300	295	300	295					
	CNT							2	5	12	12	10	16	14	16	20	19	19	11	1					
	UQ								350	320	310	335	330	360	340	355	315	310	315						
	LQ								270	260	250	280	270	310	310	295	295	280	280						
h'F	MED	E 270	E 270	E 260	U 230	240	250	225	210	210	U 215	E 240	U 215	E 255	U 255	U 230	U 225	220	220	225	240	225	E 220	E 235	E 245
	CNT	20	22	21	19	21	23	24	26	24	21	24	24	25	24	26	25	24	26	26	27	26	25	23	22
	UQ	280	300	280	260	260	280	255	240	245	255	300	290	315	300	295	310	250	260	270	265	245	240	255	270
	LQ	240	250	250	225	240	235	220	205	200	210	205	200	210	205	210	200	205	210	215	230	215	215	215	230
M(3000)F2	MED	289	285	291	298	300	303	311	322	324	319	311	305	298	296	299	291	305	306	309	307	313	309	304	295
	CNT	18	20	19	14	19	22	23	26	24	21	22	23	24	24	26	25	23	26	26	27	26	25	22	21
	UQ	305	290	304	313	307	311	327	342	340	332	322	322	307	309	307	304	316	314	316	316	321	320	313	304
	LQ	278	270	281	293	286	284	293	314	314	306	295	291	288	284	291	286	295	297	297	298	302	295	299	280
foF1	MED							319	405	455	478	480	490	500	492	498	480	475	450	420					
	CNT							2	5	12	12	10	15	15	16	20	19	19	11	1					
foE	MED						150	195	258	295	324	340	355	364	365	364	350	335	302	256	190				
	CNT						1	21	26	26	24	25	21	23	22	22	21	23	25	24	19				
h'E	MED						111	109	101	101	101	99	101	101	101	101	103	103	103	105	109				
	CNT						1	19	26	27	26	26	26	26	25	24	25	25	26	25	20				
foEs	MED	J 36	J 34	J 32	J 27	J 27	J 26	J 29	34	42	J 56	J 60	J 57	J 52	J 53	41	42	40	40	J 40	J 40	J 38	J 35	J 34	J 36
	CNT	21	23	23	22	23	24	24	26	27	260	26	27	26	25	24	26	25	27	26	27	27	25	23	23

SWEEP 1.0 MC TO 20.0 MC IN 30 SECONDS. JULY. 1961

TABLE 19

GENOA (MONTE CAPELLINO). ITALY (44.6N. 9.0E) 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	63	60	58	55	53	61	66	68	69	66	70	71	68	71	69	72	72	72	75	72	74	69	66	67
	CNT	28	30	28	29	28	30	28	27	26	28	29	27	26	25	27	28	29	30	27	24	27	25	29	29
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	300	300	305	295	290	260	255	230	230	225	225	220	225	225	225	230	225	250	260	280	280	290	300	300
	CNT	29	27	26	25	26	23	17	18	11	11	14	13	14	15	15	18	15	19	23	20	24	23	24	28
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED					170	210	260	300	320	330	340	340	350	330	320	300	270	240						
	CNT					4	29	30	30	30	30	29	30	30	30	29	30	30	29						
h'E	MED																								
	CNT																								
foEs	MED	19	24	24	25	24	28	33	44	45	50	47	41	41	40	38	40	34	37	38	37	38	35	27	21
	CNT	30	30	30	30	30	30	31	30	30	300	29	25	26	26	27	28	30	30	30	30	30	30	30	30

SWEEP 1.0 MC TO 20.0 MC IN 5 MINUTES. AUTOMATIC. JUNE. 1961

TABLE 20

GENOA (MONTE CAPELLINO). ITALY (44.6N. 9.0E) 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	54	51	50	46	46	53	59	63	66	68	70	72	74	72	73	72	72	72	74	75	70	64	59	58
	CNT	31	31	31	31	31	29	29	29	30	30	30	29	30	30	31	31	30	31	30	29	31	29	31	31
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	305	300	300	300	285	255	240	225	225	225	225	225	225	225	225	225	245	260	265	260	260	275	290	300
	CNT	30	30	29	29	29	26	24	24	18	19	19	22	26	26	22	20	18	18	23	28	29	27	30	27
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED						200	260	290	310	330	340	350	350	340	330	310	290	240	190					
	CNT						27	31	31	31	30	30	31	29	29	30	30	30	29	14					
h'E	MED																								
	CNT																								
foEs	MED	E	E		E										G									E	
	CNT	31	31	16 31	31	20 31	26 31	31 30	35 30	39 30	40 310	41 31	40 31	36 31	30	38 31	39 31	36 31	35 31	32 30	27 30	28 31	25 31	25 31	31

SWEEP 1.0 MC TO 20.0 MC IN 5 MINUTES. AUTOMATIC. MAY. 1961

TABLE 21

GENOA (MONTE CAPELLINO), ITALY (44.6N, 9.0E) 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	49	48	46	42	39	45	53	61	67	70	73	76	79	79	81	79	80	79	78	72	62	56	52	51
	CNT	28	27	28	27	28	29	30	30	30	30	30	30	30	29	30	30	30	30	30	30	30	28	30	29
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	320	315	305	280	280	265	255	240	225	225	220	220	225	230	230	240	250	265	260	255	265	275	310	325
	CNT	29	29	30	29	30	30	30	30	30	30	29	30	30	26	28	28	28	29	30	30	29	30	30	30
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED						180	220	270	300	320	330	340	340	330	320	290	260	210						
	CNT						15	30	30	30	30	29	30	29	29	28	29	30	30						
h'E	MED																								
	CNT																								
foEs		E	E	E	E	E	E	G	G	G			G	G	G		G					E	E	E	E
	MED										34	36				34		28	27	23	18				
	CNT	30	30	30	30	30	30	30	30	30	300	30	30	30	30	30	30	30	30	30	30	30	30	30	30

SWEEP 1.0 MC TO 20.0 MC IN 5 MINUTES, AUTOMATIC. APRIL, 1961

TABLE 22

GENOA (MONTE CAPELLINO), ITALY (44.6N, 9.0E) 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	42	42	42	40	38	34	54	63	72	79	86	85	87	88	88	84	84	84	73	65	58	48	46	43
	CNT	30	30	30	29	26	25	28	29	28	29	28	29	28	29	30	29	28	27	30	29	29	30	30	30
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	310	305	305	290	275	260	240	225	225	220	220	220	220	220	225	230	235	240	235	240	255	265	280	300
	CNT	30	30	30	30	29	28	29	29	28	29	29	30	29	29	29	29	29	28	30	30	30	30	30	30
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED							180	230	270	300	320	330	320	310	290	270	230	180						
	CNT							14	30	29	29	29	31	30	30	31	29	29	12						
h'E	MED																								
	CNT																								
foEs		E	E	E	E	E	E	G		G	G	G	G	G	G	G					E	E	E	E	E
	MED								23								29	27	22	19					
	CNT	31	31	31	31	31	31	31	29	28	290	29	30	31	31	31	29	29	30	30	30	31	31	31	31

SWEEP 1.0 MC TO 20.0 MC IN 5 MINUTES, AUTOMATIC. MARCH, 1961

TABLE 23

GENOA (MONTE CAPELLINO), ITALY (44.6N, 9.0E) 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	40	40	40	38	38	33	39	60	78	80	82	86	85	85	83	84	76	65	58	52	46	44	41	41
	CNT	26	25	23	25	25	27	26	26	27	27	27	27	27	27	27	27	27	26	27	27	26	26	26	26
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	275	270	275	275	255	245	235	220	220	220	210	210	210	215	215	220	220	220	225	235	240	255	265	265
	CNT	28	28	28	28	28	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	28	28
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED								180	230	270	290	310	310	300	280	240	200	160						
	CNT								27	27	27	26	26	27	27	26	27	27	7						
h'E	MED																								
	CNT																								
foEs		E	E	E	E	E	E	E	G	G	G	G	G	G	G	G	G	G	E	E	E	E	E	E	E
	MED																								
	CNT	28	28	28	28	28	27	27	27	27	270	27	27	27	27	27	27	27	27	27	27	27	27	28	28

SWEEP 1.0 MC TO 20.0 MC IN 5 MINUTES, AUTOMATIC. FEBRUARY, 1961

TABLE 24

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	124	136	130	88	64	44	36	65	91	109	120	132	130	124	122	124	130	127	127	130	133		130	130
	CNT	16	16	13	14	16	22	21	27	28	28	26	26	26	25	24	25	26	27	28	25	14	9	9	13
	UQ																						D		
	LQ																								
h'F2	MED									U					U	U	U	U							
	CNT									225	255	275	285	285	270	285	260	302							
	UQ									1	9	14	11	7	3	3	3	2							
	LQ																								
h'F	MED	230	228	222	210	205	225	230	240	225	210	200	195	190	190	195	205	225	235	250	288	260	230	230	245
	CNT	28	28	28	28	27	25	23	28	27	27	26	26	25	25	24	23	24	26	27	26	24	25	25	27
	UQ																								
	LQ																								
M(3000)F2	MED	320	340	335	345	338	320	310	330	335	330	330	308	285	275	270	280	285	290	290	275	280	U 310	U 305	325
	CNT	10	6	8	7	8	14	18	26	28	26	23	24	24	20	22	25	22	23	24	21	9	1	3	5
	UQ																								
	LQ																								
foF1	MED										U	U	U		U	U									
	CNT										450	450	480	500	470	460									
	UQ										1	1	4	6	2	1									
	LQ																								
foE		E	E	E	E	E	E	E												U	E	E	E	E	E
	MED								188	265	305	340	350	360	360	350	338	305	250	155					
	CNT	7	7	6	9	16	17	19	22	26	27	27	25	25	22	23	22	23	16	5	13	7	6	8	7
h'E		E	E	E	E	E	E	E	E												E	E	E	E	E
	MED								118	105	100	100	100	100	100	100	100	105	105						
	CNT	7	7	6	9	16	17	19	12	28	27	21	24	17	21	17	21	23	21		13	7	6	8	7
foEs	MED	26	30	22	24	26	28	28	31	34	33	38	44	40	39	37	35	42	38	31	31	30	31	31	30
	CNT	27	27	22	21	24	23	25	28	28	270	28	29	27	27	25	26	27	28	28	26	22	25	26	20

SWEEP 1.2 MC TO 17.0 MC. FEBRUARY, 1961

TABLE 25

PARIS. FRANCE (48.1N. 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
foF2	MED	31	34	32	32	32	30	29	26	31	57	75	82	90	84	88	80	79	70	57	48	40	36	31	32
	CNT	16	14	12	16	16	14	16	19	17	24	15	22	19	24	26	25	24	24	24	21	26	19	15	18
	UQ																								
	LQ																								
h'F2	MED											U													
	CNT											235	230	228	225	235	228	225							
	UQ											3	5	6	7	6	6	5							
	LQ																								
h'F	MED	280	278	295	300	295	270	255	250	242	225	228	230	225	220	230	230	230	215	215	230	230	250	260	275
	CNT	20	19	21	24	25	22	19	18	22	27	28	31	31	29	29	31	31	31	30	28	26	23	22	23
	UQ																								
	LQ																								
M(3000)F2	MED	285	280	270	280	292	290	295	310	300	335	335	335	340	335	330	330	330	330	320	320	320	315	298	288
	CNT	13	13	9	12	12	11	11	11	12	23	14	21	18	21	24	23	18	22	17	17	19	13	14	12
	UQ																								
	LQ																								
foF1	MED													U											
	CNT													400											
														1											
foE	MED		E	E	E			E	E	E		180	220	250	270	280	270	255	220	190	E				
	CNT		1	1	1			1	2	4	14	19	23	25	18	20	23	19	5	8					
h'E	MED		E	E	E			E	E	E	E	125	110	108	U	110	118	125	E	E					
	CNT		1	1	1			1	3	7	10	10	8	6	100	5	12	7	11	12					
															3										
foEs	MED	27	22	E	E	E	E		U	25	26	27	25	G	21	28	G	22	25	U	31	32	30	31	27
	CNT	8	6	15	13	10	9	30	22	5	120	12	19	20	17	17	17	18	18	30	8	6	5	6	8
								7	4											4					

SWEEP 1.4 MC TO 17.0 MC. JANUARY. 1961

TABLE 26

GENOA (MONTE CAPELLINO). ITALY (44.6N. 9.0E) 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	37	41	39	40	39	35	30	56	80	90	97	92	86	90	84	80	75	64	52	43	35	36	38	38
	CNT	26	28	27	27	26	28	28	31	31	31	31	31	31	31	31	31	31	31	31	30	29	30	27	28
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	260	275	270	260	245	240	225	220	220	225	220	210	215	225	225	220	220	220	220	230	240	250	265	255
	CNT	31	31	31	31	30	30	29	31	31	31	31	31	31	31	31	31	31	31	31	30	30	31	31	31
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED								170	210	250	280	300	300	280	250	210	170							
	CNT								11	30	29	27	27	28	28	28	28	14							
h'E	MED																								
	CNT																								
foEs	MED	E	E	E	E	E	E	E	G	G		G	G	G	G	G	G	E	E	E	E	E	E	E	E
	CNT	31	31	31	31	30	30	30	31	30	26 300	29	27	28	28	28	28	31	31	31	31	31	31	31	31

SWEEP 1.0 MC TO 20.0 MC IN 5 MINUTES. AUTOMATIC. JANUARY. 1961

TABLE 27

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	114	114	107	U 60	40	35	28	63	98	123	129	120	124	127	120	120	124	126	124	126	126	136	126	112
	CNT	16	17	15	17	16	16	21	26	28	28	28	27	30	30	29	29	29	28	25	23	12	15	13	9
	UQ																								
	LO																								
h'F2	MEO									U								U							
	CNT									240	260	260	265	300	285	270	265	285							
	UQ									2	19	20	10	9	9	9	5	1							
	LQ																								
h'F	MED	245	228	210	200	215	240	245	250	230	215	202	195	195	200	200	220	225	240	250	290	260	245	235	235
	CNT	30	30	29	27	27	24	22	29	29	25	28	27	30	28	27	28	29	29	29	28	29	27	29	28
	UQ																								
	LQ																								
M(3000)F2	MEO	320	330	352	U 340	310	290	300	322	330	335	330	302	278	282	290	295	298	295	290	270	285	U 300	308	302
	CNT	12	10	12	9	12	11	19	26	27	27	26	24	28	28	28	28	24	25	21	19	9	7	8	6
	UQ																								
	LQ																								
foF1	MED											U	U	U	U	U	U								
	CNT											500	490	500	510	490	490								
												6	4	6	3	5	1								
foE	MED	E	L	E	E	E	E	E		260	302	320	350	355	358	350	335	300	235	U	E	E	E	E	E
	CNT	9	11	12	10	13	12	11	180	29	28	27	25	27	26	27	25	25	20	140	14	4	3	5	4
									15											2					
h'E	MED	E	E	E	E	E	E	E	E	105	100	100	100	100	100	100	100	105	105	E	E	E	E	E	E
	CNT	9	11	12	10	13	12	11	125	24	22	22	22	21	18	22	22	23	20	3	14	4	3	5	4
									16																
foEs	MED	26	26	26	26	26	31	30	31	40	42	45	42	42	41	38	37	45	43	32	31	31	31	31	28
	CNT	29	30	29	30	26	26	29	29	29	280	29	28	30	29	29	29	29	29	29	27	29	27	25	24

SWEEP 1.2 MC TO 17.0 MC. JANUARY. 1961

TABLE 28

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	84	D	D	D	D												D	Q	D				D	
	CNT	29	68	67	63	48	46	48	79	89	92	90	92	97	98	102	107	101	101	93	89	91	86	84	84
	UQ		28	29	29	29	28	29	29	30	27	30	30	30	31	30	30	30	29	31	31	31	29	30	30
	LO																								
h'F2	MEO																								
	CNT																								
	UQ																								
	LO																								
h'F	MED	245	245	250	250	230	225	255	240	220	210	200	200	200	200	205	215	225	250	300	350	310	265	250	240
	CNT	29	29	29	29	29	27	29	29	29	26	30	28	27	28	26	26	27	28	31	31	31	29	30	29
	UQ																								
	LO																								
M(3000)F2	MEO	305	300	U 305	325	335	U 310	U 285	310	290	260	245	250	250	250	250	255	255	E 255	225	230	245	275	285	290
	CNT	18	12	8	5	9	10	16	27	29	27	30	30	30	31	30	29	15	15	19	19	12	13	10	13
	UQ																								
	LO																								
foF1	MED																								
	CNT																								
foE	MED							J												J					
	CNT							140	245	300	340	360	375	380	370	360	330	295	230	120					
								9	26	25	23	28	28	26	24	23	21	24	19	6					
h'E	MEO																								
	CNT																								
foEs	MEO	E	E	E	E	E	E	G	G										G	G	E	E	E	E	E
	CNT	29	29	29	29	29	28	29	29	63 29	74 260	89 29	86 27	84 28	66 31	52 30	26 30	58 29	29	31	31	31	29	30	30

SWEEP JANUARY. 1961

TABLE 29

LEOPOLOVILLE, CONGO (4.45S, 15.2E) 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	60	55	51	45	41	45	67	75	86	U 85		116	U 118	U 110	112	110					U 120	120	65	61
	CNT	24	23	25	22	26	27	26	24	13	5	3	10	9	8	13	13	4	4	2	4	9	21	20	22
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	268	265	272	277	280	297	297	280	260	U 261		243	U 258	U 250	245	245				U 256	U 277	308	288	267
	CNT	24	23	24	23	25	27	24	22	12	5	3	10	9	8	13	13	4	4	2	5	6	20	15	17
	UQ																								
	LQ																								
foF1	MED									U 450	460	U 470	U 490			U 450									
	CNT								2	8	15	9	5	2	3	9	2								
foE	MED							240	310	350	U 360	U 390	U 390	U 380	360	350	310	260							
	CNT						3	14	18	18	8	7	6	6	10	11	15	16	2						
h'E	MED						140	110	110	110	110	110	110	110	110	110	115	115							
	CNT						11	15	20	18	19	20	20	14	13	18	16	20	4						
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 20.0 MC IN 7 SECONDS. JANUARY, 1961

TABLE 30

DE BILT, NETHERLANDS (52.1N, 5.2E) 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	26	25	23	23	23	23	22	34	60	80	90	93	98	91	85	84	68	52	46	39	31	29	27	26
	CNT	28	28	30	30	28	28	25	29	31	31	31	30	30	29	30	30	29	28	31	31	31	28	28	28
	UQ	29	29	27	25	25	25	26	41	68	91	99	102	107	104	104	95	86	61	53	42	34	31	30	29
	LQ	23	23	20	22	22	21	20	30	54	67	81	85	89	83	78	70	59	45	38	33	26	23	22	23
h'F2	MED									240	U 240	240	230	230	230	U 275	U 245								
	CNT									5	4	10	11	9	8	3	3								
	UQ																								
	LQ																								
h'F	MED	E 365	E 360	E 360	E 350	E 320	E 330	E 320	240	230	220	230	230	230	230	230	225	220	230	240	250	E 275	E 320	E 365	E 380
	CNT	30	31	31	30	30	30	28	30	31	31	30	30	29	30	30	31	31	31	31	31	30	29	30	29
	UQ																								
	LQ																								
M(3000)F2	MED	270	270	270	275	280	290	300	280	325	330	325	325	330	320	330	330	320	315	305	295	290	270	275	270
	CNT	25	24	24	24	25	27	23	29	31	31	31	29	28	29	29	29	27	28	30	31	30	26	23	23
	UQ																								
	LQ																								
foF1	MED											U 400	U 440												
	CNT											1	1												
foE	MED									200	220	250	270	270	260	230	200								
	CNT									28	29	26	21	19	24	23	22								
h'E	MED									E	132	128	124	128	132	132	E								
	CNT									30	9	13	12	14	10	6	23								
foEs	MED																								
	CNT																								

SWEEP 1.8 MC TO 16.0 MC IN 40 SECONDS. DECEMBER, 1960

TABLE 31

WARSAW, POLAND (52.2N, 21.2E) 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	U 30	30	30	28	25	23	23	36	66	88	91	U 101	U 102	100	91	79	74	53	44	35	29	U 28	U 29	U 28
	CNT	21	25	26	23	22	23	22	23	26	25	24	25	26	24	24	26	27	24	24	23	25	21	22	21
	UQ	31	32	31	30	28	26	27	40	71	99	100	103	106	107	101	87	82	67	51	43	34	32	30	31
	LQ	26	27	27	20	22	21	20	30	60	76	86	91	95	90	82	74	66	44	34	29	26	24	26	26
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	E 330	E 310	E 305	U 270	U 260	E 270	E 290	U 240	225	225	225	225	225	225	225	220	220	U 215	E 245	E 260	E 290	E 300	E 330	E 340
	CNT	24	25	27	25	23	25	21	24	26	25	24	25	25	25	24	25	27	24	23	23	25	21	19	22
	UQ	370	350	335	320	300	290	310	275	235	235	230	235	240	235	235	225	230	240	255	280	300	315	350	355
	LQ	290	300	295	275	255	250	280	235	215	220	215	220	220	220	220	215	215	215	230	250	265	265	300	310
M(3000)F2	MED	280	260	260	265	280	290	290	290	335	335	330	335	325	325	330	335	330	320	320	305	285	270	260	250
	CNT	7	13	13	14	16	13	9	18	23	20	18	14	13	19	23	23	22	22	20	15	15	9	6	9
	UQ	285	280	270	275	295	320	325	300	340	345	345	345	330	350	340	340	335	330	330	320	305	290	305	270
	LQ	250	250	250	255	265	275	280	280	315	315	325	320	310	320	315	310	320	315	310	285	275	260	245	240
foF1	MED																								
	CNT																								
foE	MED	E	E	E	E	E	E	E	E	U 160	215	250	270	260	235	210	165	E	E						
	CNT	5	9	7	13	12	13	11	20	11	7	10	9	8	12	13	5	25	9	1	3		2	2	2
h'E	MED													U 124	E 127										
	CNT										2	6	3	4	8	8	1								
foEs	MED	E 16	E	E	E	E		E	E		U 24	G	G	E 28	G	G		E 16	E	E	E	E 16	E	E	E
	CNT	24	24	27	25	25	12 26	16 25	16 25	19 24	250	24	25	26	24	24	19 24	26	16 24	16 24	16 24	25	16 23	16 22	16 24

SWEEP 1.0 MC TO 18.0 MC IN 20 SECONDS. DECEMBER, 1960

TABLE 32

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
foF2	MED	255	27	278	271	246	245	231	234	45	71	844	93	98	977	913	853	815	66	52	42	35	305	279	273
	CNT	16	17	18	18	22	23	23	21	27	31	31	31	31	30	30	30	30	31	29	29	27	22	24	18
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	312	312	310	308	291	273	271	262	241	224	229	228	224	229	226	224	220	220	229	243	250	256	287	322
	CNT	26	29	31	31	30	31	26	26	31	31	31	31	30	29	29	28	28	30	30	26	31	29	29	24
	UQ																								
	LQ																								
M(3000)F2	MED	259	262	261	261	275	285	292	293	304	330	336	332	330	326	330	330	325	324	321	313	300	285	265	257
	CNT	16	16	17	13	19	18	15	16	23	30	31	31	30	29	29	29	29	29	27	27	24	22	21	14
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED								E	E									E	E					
	CNT								4	10	202 8	230 21	253 25	264 28	262 24	241 27	220 18	168 4	10	1					
h'E	MED								E	E	E	108	110	107				E	E	E					
	CNT								4	22	5	5	3	4				3	10	1					
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 4 MINUTES. DECEMBER, 1960

TABLE 33

SLOUGH. ENGLANQ (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	MEQ	28	27	25	24	24	23	22	U 26	52	74	86	96	99	94	92	90	77	65	50	42	35	30	27	28
	CNT	22	23	25	27	27	27	27	22	30	30	30	30	29	31	30	28	30	29	28	31	31	28	29	24
	UQ																								
	LQ																								
h'F2	MEQ																								
	CNT																								
	UQ																								
	LQ																								
h'F	MEQ																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MEQ	260	260	255	260	275	285	280	U 270	325	350	340	340	335	335	330	340	335	325	320	310	305	280	260	270
	CNT	15	19	19	21	23	20	20	15	26	29	30	30	29	30	30	26	27	27	25	28	28	25	19	15
	UQ																								
	LQ																								
foF1	MEQ																								
	CNT																								
foE	MEQ									170	220	245	260	265	260	245	215	U 150							
	CNT									19	28	22	23	20	22	24	22	15							
h'E	MEQ																								
	CNT																								
foEs	MEQ	E 13	E 10	E 9	10	E 11	E 16	E 16	E 16	20	25	25	G	E 30	27	G	24	22	24	22	19	20	19	19	E 16
	CNT	28	29	26	29	29	28	22	17	31	310	27	26	26	27	27	29	25	24	22	21	15	13	7	15

SWEEP DECEMBER. 1960

TABLE 34

OOURBES. BELGIUM (50.1N. 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	MEQ	29	30	28	26	25	22	22	33	65	79	91	92	96	93	86	84	71	57	46	39	35	31	29	30
	CNT	26	25	26	26	26	25	24	23	23	23	26	26	26	26	25	28	29	29	29	27	29	29	27	26
	UQ	33	33	32	30	30	28	26	38	70	87	105	99	104	103	98	94	86	66	52	46	38	33	31	32
	LQ	24	26	24	22	21	20	20	32	59	70	88	86	89	83	80	72	62	45	41	33	31	26	24	26
h'F2	MEQ																								
	CNT																								
	UQ																								
	LQ																								
h'F	MEQ	305	308	310	295	285	260	260	248	225	225	225	220	225	230	220	220	210	220	225	245	252	U 260	300	305
	CNT	27	26	26	26	26	25	24	23	23	23	27	26	26	26	25	28	29	29	29	28	29	29	28	27
	UQ	332	320	330	302	305	300	295	265	240	235	230	230	230	235	230	228	220	238	250	270	275	310	315	325
	LQ	295	285	300	280	260	255	245	225	215	220	215	215	220	220	218	220	210	210	215	230	235	255	272	300
M(3000)F2	MEQ	268	265	265	272	285	285	285	305	340	340	342	338	335	338	335	335	330	330	325	315	305	280	265	262
	CNT	26	25	26	26	26	25	24	22	23	23	26	26	26	26	25	28	29	29	29	27	29	29	27	26
	UQ	280	278	275	285	290	295	300	315	350	345	350	350	350	350	350	342	342	338	335	335	320	295	280	280
	LQ	245	250	255	260	270	272	275	285	325	330	335	325	320	315	322	322	322	310	298	290	280	260	255	250
foF1	MEQ																								
	CNT																								
foE	MED								138	170	215	245	260	260	248	225	190	E 140							
	CNT								2	6	18	23	23	18	21	20	13	9							
h'E	MEQ								125	E 147	116	112	U 114	E 119	E 121	E 121	E 131	U 125							
	CNT								1	8	18	24	25	17	21	29	20	7							
foEs	MEQ	J 12	J 14	J 15	13	11	E 26	E 11	G	19	E 22	E 24	E 26	E 26	E 25	G	20	16	14	14	12	E 13	E 13	E 12	E 11
	CNT	27	27	26	26	26	25	24	23	22	230	27	26	26	26	25	28	29	29	29	29	29	29	28	27

SWEEP 1.0 MC TO 20.0 MC IN 3 MINUTES. DECEMBER. 1960

TABLE 35

AHMEDABAQ. 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	MEQ	55	56	54	50	34	30	36	76	100	112	120	128	140	145	Q 150	149	149	133	131	125	115	95	75	59
	CNT	30	28	29	29	28	27	24	26	24	28	29	27	30	25	27	28	26	29	27	30	28	27	29	29
	UQ																								
	LQ																								
h'F2	MED									250	250	250	255	265	270	265	260	250	230						
	CNT									27	30	30	30	30	30	30	30	27	30						
	UQ																								
	LQ																								
h'F	MED	265	260	250	240	255	280	265	250	240	230	220	215	225	225	230	235	240	230	220	220	225	225	230	245
	CNT	30	28	29	27	29	27	26	26	27	30	30	30	30	30	29	30	26	30	29	30	29	30	30	30
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED									500	500	510	510	525	520	510	500	500							
	CNT									12	30	30	30	30	29	30	29	23	2						
foE	MEQ									245	290	330	355	365	360	350	325	270	230						
	CNT								2	27	29	28	29	28	27	27	29	25	3						
h'E	MEQ										110	110	110	110	110	110	110	110							
	CNT								2	26	28	26	29	27	26	25	26	19	2						
foEs	MED	19	20	20	18	19	23	20	G	G	G	G	G	G	G	G	G	G	G	G	24	24	19	22	18
	CNT	30	29	29	29	29	26	27	26	28	300	30	30	30	30	30	30	27	30	30	30	30	30	30	30

SWEEP 0.6 MC TO 25.0 MC IN 5 MINUTES. AUTOMATIC. DECEMBER. 1960

TABLE 36

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	MEQ	89	86	83	81	61	45	63	90	104	104	98	104	104	109	108	108	Q 101	Q 91	D 90	91	94	93	86	86
	CNT	30	30	30	29	28	27	27	28	29	30	28	26	25	27	29	29	29	22	28	29	29	30	30	29
	UQ																								
	LQ																								
h'F2	MEQ																								
	CNT																								
	UQ																								
	LQ																								
h'F	MEQ	260	270	265	250	235	240	260	245	230	215	210	205	210	210	210	225	245	260	315	340	300	270	270	250
	CNT	29	30	30	29	28	26	26	28	29	30	26	21	22	25	23	26	26	24	26	29	28	29	29	29
	UQ																								
	LQ																								
M(3000)F2	MEQ	290	280	290	300	330	320	315	310	275	250	245	245	245	240	235	235	230	E 250	230	230	250	260	275	280
	CNT	21	19	21	20	22	18	23	27	29	30	28	26	25	27	29	27	21	11	18	25	25	20	25	21
	UQ																								
	LQ																								
foF1	MEQ																								
	CNT																								
foE	MEQ							175	275	320	350	370	380	390	375	355	330	280	210						
	CNT							9	19	24	27	25	20	22	24	22	25	21	22						
h'E	MEQ																								
	CNT																								
foEs	MEQ	E 30	E 30	E 30	E 29	E 28	E 26	G 26	G 28	34 29	84 300	91 28	92 26	91 25	90 27	84 29	66 29	52 29	G 28	G 29	E 29	E 29	E 30	E 30	E 29

SWEEP DECEMBER. 1960

TABLE 37

SINGAPORE, BRITISH MALAYA (1.3N, 103.8E) TIME 105.0E

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	85	77	70	59	57	52	61	86	92	95	100	107	114	113	114	116	116	115	112	114	111	112	102	92
	CNT	29	29	30	29	29	28	29	30	29	30	28	29	29	29	29	30	29	25	27	28	29	26	28	27
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	280	275	280	280	295	310	310	305	275	240	215	205	220	220	220	220	230	235	230	230	235	270	280	275
	CNT	29	29	30	29	29	28	29	30	29	29	28	29	29	29	29	30	29	25	27	28	29	26	28	27
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED		120	110	105	120		130	260	310	350	375	390	390	380	370	345	310	240						
	CNT		1	2	3	2		10	23	24	21	17	19	13	12	20	18	17	14						
h'E	MED																								
	CNT																								
foEs	MED	G	E	E	E	E	G	E	E	E	E	E			E	E		E							
	CNT		12	11	10	12		13	26	32	35	38	40	39	38	37	35	30	30	30	31	32	36	30	32
		20	18	18	16	12	17	29	31	30	300	29	30	29	30	31	30	31	30	29	28	21	13	11	15

SWEEP DECEMBER, 1960

TABLE 38

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	D				U	U							U	U	U	U	U				U	U	D	D
	CNT	85	80	72	70	62	61	64	70	79	85	86	88	89	90	90	94	94	86	84	84	88	88	85	85
	UQ	23	19	23	19	21	20	24	29	25	25	25	24	25	25	21	23	24	25	29	29	29	28	25	24
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	270	270	260	280	285	250	250	240	230	230			200	220	220	240	230	250	260	285	300	310	300	290
	CNT	21	18	21	20	22	20	22	18	10	6		1	5	8	5	9	11	15	22	22	22	25	24	23
	UQ																								
	LQ																								
M(3000)F2	MED	285	270	275	270	275	280	280	285	285	280	275	270	270	275	270	270	275	280	280	265	265	265	260	285
	CNT	11	12	14	15	17	17	20	28	24	22	19	19	20	22	16	14	13	15	24	24	21	17	10	10
	UQ																								
	LQ																								
foF1	MED								450	500	520	540	550	540	530	520	530								
	CNT								5	5	9	9	10	11	10	9	7	3							
foE	MED						E																		
	CNT						170	240	300	345	365	380	395	395	380	380	360	330	280	220					
							14	18	27	25	21	13	12	9	11	7	13	14	15	14					
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 1 MINUTE 55 SECONDS. DECEMBER, 1960

TABLE 39

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	97	92	90	87	81	70	82	92	99	102	110	114	117	121	120	118	117	108	105	96	90	100	99	100
	CNT	21	19	21	21	19	24	29	28	25	24	24	23	28	28	27	29	29	29	28	30	21	19	21	23
	UQ																								
	LQ																								
h'F2	MED								U	370	400	410	390	380	365	355	330	315	300	300					
	CNT								350	9	12	19	20	26	25	28	29	26	22	5					
	UQ								3																
	LQ																								
h'F	MED	310	305	290	310	320	260	250	240	240	230	220	220	225	220	220	230	240	250	270	290	330	360	350	330
	CNT	28	28	27	27	28	27	30	26	21	14	10	5	11	11	12	14	18	18	26	26	17	26	27	27
	UQ																								
	LQ																								
M(3000)F2	MED	260	260	270	260	260	270	260	250	245	240	250	255	265	270	270	280	285	285	285	265	250	245	250	260
	CNT	20	17	21	20	19	24	29	25	25	24	24	20	26	28	25	29	27	28	24	26	16	14	18	18
	UQ																								
	LQ																								
foF1	MED								U	520	500	U	520	530	510	500	490	U							
	CNT								510	6	9	4	10	11	9	12	7	460							
									2									2							
foE	MED						200	275	U	U										U					
	CNT						18	12	310	340										250					
									3	1										1					
h'E	MEO						144	121	119	119	119	119	119	119	119	121	119	119	119	121	U				
	CNT						8	27	26	25	20	15	16	16	15	17	21	19	24	11	119				
																					1				
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. DECEMBER, 1960

TABLE 40

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		D							D	D	D	D	D	D	D	D				U		U	D	
	CNT	89	90	90	86	83	72	85	88	93	96	100	98	99	100	100	98	98	96	90	90	80	88	90	92
	UQ	15	13	15	11	13	13	14	13	14	7	3	5	7	9	7	8	9	12	11	11	12	13	12	12
	LQ																								
h'F2	MED						U	U	U	U											U		U		
	CNT						385	370	345	400	380	360	360	335	350	340	330	330	315	300	290				
	UQ						2	1	1	4	5	9	8	14	15	12	12	11	14	8	3				
	LQ																								
h'F	MED	330	310	300	305	330	270	250	235	230		U	U	U				U	U						
	CNT	18	16	16	15	16	19	15	11	12	235	225	230	230			225	230	235	250	265	300	345	330	330
	UQ										3	2	1	2			6	4	6	8	13	13	15	16	17
	LQ																								
M(3000)F2	MED	265	265	270	260	255	290	270	270	265	U		U	U	U	U	U	U	U			290	250	255	260
	CNT	11	9	12	8	11	10	10	7	7	240		265	290	290	285	290	295	300	315	290	9	10	6	8
	UQ										2		1	1	1	2	1	5	7	6	9				
	LQ																								
foF1	MED										U		U	U	U		U	U							
	CNT										510		610	470	600		520	540							
											1		1	1	1		1	2							
foE	MED							U																	
	CNT						190	270																	
							10	2																	
h'E	MED						141	105	105	101	101	101		U		U	U	U				U			
	CNT						17	14	14	14	80	9		105	105	103	105	105	105	105	109	109			
														3	5	2	4	12	11	10	8	2			
foEs	MED																								
	CNT																								

SWEEP 1.3 MC TO 18.0 MC IN 30 SECONDS. DECEMBER, 1960

TABLE 41

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	91	87	86	81	80	88	90	90	88	96	105	105	104	104	96	92	88	82	84	82	76	86	90	90
	CNT	19	21	17	16	23	22	24	28	25	24	19	24	26	24	28	28	28	29	19	22	20	21	19	19
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	245	245	250	230	245	250	250	250	245	245	255	260	260	265	270	280	285	285	270	275	255	245	240	240
	CNT	11	11	10	8	6	6	14	14	17	14	12	15	15	13	19	19	21	17	11	9	5	11	10	10
	UQ																								
	LQ																								
foF1	MED					285	405	390	440	475	490	495	490	500	480	490	480								
	CNT					2	1	1	1	4	5	6	1	5	5	4	1								
foE	MED			E	E				U										310	80	E	E	E		
	CNT			1	12	190	230	260	315	340	355	360	370	380	370	345	330		2	2	6	7	1		
h'E	MED																								
	CNT																								
foEs	MED	J	E	E	E		J	J	J	J	J	J						J	J	J	J	J	J	J	J
	CNT	20				20	27	33	40	44	45	46	46	39	42	40	38	42	43	39	32	44	27	25	26
		27	29	30	30	29	29	29	29	27	280	19	20	21	20	24	25	26	28	29	27	22	25	25	27

SWEEP DECEMBER. 1960

TABLE 42

WARSAW. POLAND (52.2N. 21.2E) 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	MEO	30	31	30	26	27	26	31	57	76	94	106	108	106	106	108	94	81	67	58	42	36	30	29	30
	CNT	25	23	25	26	26	23	21	25	27	22	25	25	25	23	22	25	26	28	28	28	25	20	23	25
	UO	32	33	32	30	30	30	34	64	85	103	111	111	114	112	112	104	89	76	66	51	40	33	32	32
	LO	26	27	24	21	21	22	24	42	65	80	91	98	95	101	97	86	72	59	46	35	30	26	25	26
h'F2	MED																								
	CNT																								
	UO																								
	LO																								
h'F	MEO	E	U	U	E	U	U	E											U	E	E	E	E	E	E
	CNT	345	300	300	300	265	250	270	240	230	225	230	230	225	235	230	220	220	215	235	235	280	295	320	330
	UO	28	27	27	27	27	23	25	25	27	23	26	26	24	23	22	26	25	27	28	25	24	20	18	21
	LO	365	350	340	310	310	290	300	250	240	230	235	235	235	240	240	230	225	235	240	250	320	325	360	350
		325	300	300	285	260	245	250	230	220	215	225	225	225	225	225	215	210	215	225	230	245	275	305	315
M(3000)F2	MED	265	260	260	260	280	295	285	310	325	325	320	315	320	320	320	335	320	320	310	315	310	285	260	260
	CNT	13	12	7	8	13	12	8	14	12	17	17	14	15	18	14	17	12	10	14	21	11	10	8	8
	UO	270	270	270	270	300	305	310	325	330	335	335	330	330	325	330	335	325	335	320	325	330	285	270	260
	LO	250	250	250	255	270	270	275	300	310	315	310	310	315	315	310	320	310	315	305	305	290	280	260	250
foF1	MED																								
	CNT																								
foE	MED		E	E	E	E	E	E	E									E	E						
	CNT	2	14	12	14	20	16	21	160 20	200 16	250 10	275 15	295 20	290 16	280 15	240 13	195 12	20	13	3		1	1	2	
h'E	MED									U			U		E	E									
	CNT			2					2	111 8	109 10	107 11	107 7	3	123 5	123 6	4	1							
foEs	MEO	E	E	E	E	E	E	E	E	G		G	G	G	G	G	G	U	E	E	E	E	E	E	E
	CNT	16					16	16	16		28							18	16	16	16	16	16	16	16
		28	27	27	26	26	26	26	25	26	240	26	26	25	23	22	26	26	28	28	28	28	24	25	26

SWEEP 1.0 MC TO 18.0 MC IN 20 SECONDS. NOVEMBER. 1960

TABLE 43

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
foF2	MED	308	31	318	297	23	239	212	313	585	741	885	1022	1075	104	1048	104	845	798	658	50	41	31	304	307
	CNT	17	17	17	12	15	16	17	20	28	29	29	28	27	29	29	29	30	29	28	29	25	25	22	18
	UQ																								
	LQ																								
h'F2	MED										G	G	G												
	CNT										1	1	1	336 1											
	UQ																								
	LQ																								
h'F	MED	311	315	308	311	289	275	258	261	234	229	232	232	231	230	236	231	223	221	229	229	236	258	290	303
	CNT	20	26	26	28	29	24	25	26	28	29	29	27	27	30	30	30	30	30	25	29	30	23	22	22
	UQ																								
	LQ																								
M(3000)F2	MED	262	259	260	260	274	298	288	273	324	321	321	318	320	318	321	325	323	314	315	310	303	286	265	263
	CNT	13	12	11	9	9	13	9	13	24	27	29	28	26	29	29	28	29	29	27	25	21	20	16	14
	UQ																								
	LQ																								
foF1	MED										345	350	425	410											
	CNT										1	1	1	1											
foE	MED								E										E						
	CNT								16	198 6	233 16	257 18	280 21	284 20	280 22	266 27	234 26	205 18	13						
h'E	MED								E										E						
	CNT								23	111 18	111 5	113 7	110 4	108 4	109 4	107 1			17						
foEs	MEO																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 4 MINUTES. NOVEMBER. 1960

TABLE 44

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	MEO	29	30	27	25	23	22	23	40	61	79	88	102	102	99	98	96	84	78	57	44	34	30	30	28
	CNT	26	22	19	27	27	27	21	26	29	28	28	30	30	29	30	30	30	27	30	30	29	27	26	23
	UO																								
	LO																								
h'F2	MEO																								
	CNT																								
	UO																								
	LO																								
h'F	MED																								
	CNT																								
	UO																								
	LO																								
M(3000)F2	MEO	260	260	255	270	280	290	285	280	330	330	330	325	330	325	325	330	325	325	315	310	295	270	270	260
	CNT	20	16	16	19	18	20	13	22	27	26	26	28	30	27	27	24	25	25	25	29	25	21	18	19
	UO																								
	LO																								
foF1	MED																								
	CNT																								
foE	MED								150	210	240	260	280	285	280	265	230	175							
	CNT								15	27	25	24	26	21	24	26	29	18							
h'E	MED																								
	CNT																								
foEs	MEO	E	E	E	E	E	E	E	E	G			G	G		G					E	E	E	E	E
	CNT	13	10	10	10	11	11	11	11		26	26			28		24	21	20	17	16	16	16	16	16
		28	24	29	19	22	19	15	15	29	280	28	29	29	30	29	30	29	28	29	30	29	26	25	30

SWEEP NOVEMBER. 1960

TABLE 45

DOURBES, BELGIUM (50.1N, 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	28	29	28	24	24	24	29	51	74	87	97	110	108	101	101	95	84	74	61	44	31	29	28	27
	CNT	24	25	23	23	22	22	22	22	20	22	23	25	25	24	25	26	27	26	26	27	25	25	24	25
	UQ	32	32	32	29	30	30	41	62	65	99	110	118	112	107	112	105	90	78	66	51	38	32	32	31
	LD	24	26	25	21	20	21	24	47	66	78	82	91	94	93	94	82	72	64	47	37	28	26	24	22
h'F2	MED										305	282	340	265											
	CNT										2	4	1	2											
	UD											428													
	LQ											220													
h'F	MED	318	315	318	292	286	E 300	U 262	240	220	220	230	229	225	228	230	220	215	220	222	230	252	E 300	E 330	U 325
	CNT	25	25	23	23	22	22	22	22	21	23	23	25	25	24	25	26	27	26	26	27	25	25	25	25
	UD	340	331	340	325	300	335	305	250	232	230	230	236	232	238	240	230	228	230	235	255	278	355	360	355
	LQ	310	300	300	280	270	252	250	230	218	20	215	220	220	222	230	220	210	215	220	220	242	252	268	310
M(3000)F2	MED	265	265	260	270	280	285	288	318	335	328	325	325	320	315	320	325	320	315	315	315	290	272	265	265
	CNT	23	25	23	23	22	21	22	22	20	22	23	25	25	24	25	26	27	26	26	27	25	24	24	25
	UD	270	275	270	285	295	32.	300	325	340	340	335	332	330	322	332	340	335	325	325	325	305	285	275	270
	LQ	260	255	255	255	270	270	265	300	325	320	310	318	315	305	310	315	310	300	305	305	280	245	258	252
foF1	MED									310	355	390	391	320											
	CNT									1	3	3	1	1											
foE	MED								E 180	222	248	270	280	280	270	245	215	E 160							
	CNT								12	11	11	12	16	17	15	16	11	11							
h'E	MED								115	E 115	110	111	U 111	E 117	E 119	E 121	E 124	E 123							
	CNT								7	14	18	17	18	17	17	16	16	1							
foEs	MED	E 13	E 12	E 12	E 13	E 13	E 16	E 16	E 18	E 22	26	G	E 28	E 29	G	E 24	E 22	E 20	16	E 18	E 16	E 16	E 16	E 16	E 16
	CNT	25	25	23	23	22	22	22	22	21	230	23	25	25	24	24	25	27	26	26	27	25	25	25	25

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS. NOVEMBER, 1960

TABLE 46

FORMOSA, CHINA (25.0N, 121.5E) 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	67	U 68	61	53	44	38	52	90	D 100	U 126	138	140	U 158	165	D 165	D 156	162	144	140	D 139	D 130	U 122	90	74
	CNT	29	29	29	29	27	27	29	28	30	30	30	29	26	28	27	28	28	28	27	28	27	27	29	28
	UD	85	78	70	59	54	64	60	94	120	136	144	150	165	190	170	175	190	150	150	145	145	135	92	88
	LQ	55	54	44	39	34	40	43	85	108	120	130	128	142	150	158	148	142	142	120	122	115	90	70	58
h'F2	MED										U 240	U 250	250	250	270	265	U 240	225							
	CNT										4	7	5	3	2	2	7	2							
	UD																								
	LQ																								
h'F	MED	250	U 240	U 220	U 220	235	E 290	260	230	225	220	220	220	U 215	U 210	U 220	225	225	215	210	230	220	U 215	220	U 235
	CNT	29	29	29	29	27	28	29	29	33	30	30	26	25	27	27	26	27	28	27	28	27	27	29	28
	UQ																								
	LD																								
M(3000)F2	MED	300	300	315	325	290	280	305	340	335	330	325	310	310	305	310	320	U 320	320	U 325	U 315	330	320	U 310	290
	CNT	25	25	28	24	22	18	28	21	9	22	20	18	9	7	4	6	7	8	7	8	8	14	19	22
	UD	320	325	330	350	325	265	315	350	340	335	330	320	320	310	320	335	335	330	345	325	340	335	325	305
	LD	280	280	295	305	250	265	290	330	325	325	310	305	300	300	310	315	290	320	315	300	325	315	290	275
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED									E 121	U 113	U 111	U 108	U 112	E 119	115	E 116	U 107							
	CNT									9	16	16	8	3	5	7	6	3							
foEs	MED									31	34	38	40	40	40	40	34	31	33						
	CNT	29	29	29	29	29	29	2	11	23	300	30	29	22	26	26	27	21	14	27	28	27	27	29	29

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. NOVEMBER, 1960

TABLE 47

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	95	99	87	84	62	37	72	102	111	112	108	109	114	117	119	119	D 114	D 101	106	98	100	96	96	96
	CNT	29	30	30	30	30	27	28	27	29	30	30	30	30	29	29	30	28	24	21	22	26	29	30	30
	UD																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	250	250	250	240	220	230	255	245	235	220	210	210	210	210	215	225	250	265	345	390	325	280	260	250
	CNT	29	30	30	30	30	27	28	27	29	29	27	26	25	24	24	23	26	23	25	25	26	29	30	30
	UQ																								
	LQ																								
M(3000)F2	MED	285	295	305	335	350	330	330	300	275	255	245	245	245	240	235	235	235	E 255	225	220	250	265	280	290
	CNT	15	19	23	19	16	18	24	27	29	33	30	30	30	29	28	26	13	12	18	14	9	11	15	17
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED							205	285	330	360	380	390	390	380	360	325	280	205	J 100					
	CNT							26	22	27	29	27	24	23	24	22	21	20	17	1					
h'E	MED																								
	CNT																								
foEs	MED	E	E	E	E	E	E	G	G	86	90	94	92	90	91	90	86	64	G	G	E	E	E	E	E
	CNT	29	30	30	30	30	27	28	27	29	300	30	30	30	29	29	30	29	27	25	25	26	29	30	30

SWEEP NOVEMBER, 1960

TABLE 48

LWIRO, CONGO (2.3S, 28.8E) 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	U 97	U 92	84	74	77	57	60	83	93	103	U 109	116	125	U 132	U 130	U 130	U 132	U 138	U 133	U 130	130	U 140	124	103
	CNT	20	23	21	18	24	21	17	17	16	20	21	20	20	24	20	20	23	22	24	26	21	21	20	20
	UD	109	106	104		86	77	76	97	99	106	114	127	130	136		141	140							
	LQ		76	70	63	67	49	63		89	98	100		110				117							87
h'F2	MED								250	255	270	285	310	440	350	355	367	390	385						
	CNT								17	15	15	10	8	9	18	17	16	13	9						
	UD								257	270	285	305	342	385	375	395	410	397	397						
	LD								240	250	260	275	295	370	330	327	330	362	335						
h'F	MED	225	267	260	242	215	210	240	230	220	220	210	200	205	207	215	220	230	250	280	315	305	252	214	200
	CNT	29	28	27	28	29	27	21	17	20	23	19	20	20	22	23	20	19	21	26	28	29	28	28	29
	UD	242	282	280	252	235	220	250	240	225	220	215	210	207	210	220	227	245	257	290	340	322	265	220	207
	LQ	210	255	255	230	210	205	230	230	220	210	210	200	200	200	205	210	220	245	275	300	285	245	210	190
M(3000)F2	MED	269	278	282	296	316	333	330	322	297	279	265	245	245	255	253	253	255	253	258	249	258	310	322	292
	CNT	19	21	21	17	23	20	16	16	15	19	18	19	19	19	14	19	20	15	15	16	10	6	10	17
	UD	281	279	292	309	332	341	343	337	304	283	273	259	252	264	263	261	260	263	262	256	275	334	335	318
	LQ	264	267	270	281	289	319	314	313	291	264	248	238	236	247	250	244	251	248	247	239	251		320	279
foF1	MED										480	490	500	510	500	490	460								
	CNT										2	6	8	6	5	5	1								
foE	MED							185	270	320	355	380	390	397	390	370	350	305	252	E					
	CNT							7	16	19	21	20	15	12	14	22	19	15	8	1					
h'E	MED							129	119	111	111	111	109	109	109	111	111	111	111						
	CNT							7	18	19	19	14	15	14	14	18	16	19	11						
foEs	MED			E	E	E					G	G	G	G	G	G		G							E
	CNT	16	14	27	28	29	14 27	22 21	28 20	38 21	240	21	25	22	24	24	38 22	23	34 24	26 25	21 28	21 29	17 28	16 26	27

SWEEP 1.25 MC TO 20.0 MC IN 3 MINUTES. NOVEMBER, 1960

TABLE 49

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	0 85	U 81	U 72	72	U 68	U 67	70	85	D 85	U 96	U 100	U 98	D 85	U 102	D 85	U 95	D 85	U 90	D 85	U 89	0 85	D 85	D 85	0 85
	CNT	20	22	22	21	23	20	25	25	24	23	24	26	24	23	23	24	25	26	28	27	28	27	25	24
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	265	270	275	270	260	260	250	240	230	230	210	210	220	225	225	240	250	250	260	270	300	300	300	280
	CNT	24	25	24	24	26	25	25	20	15	15	12	11	12	14	14	23	22	23	24	26	25	26	23	25
	UQ																								
	LQ																								
M(3000)F2	MED	275	275	270	275	275	285	285	280	270	280	265	280	280	285	280	285	280	280	275	270	265	270	275	270
	CNT	7	12	14	17	18	19	20	18	14	12	14	16	11	15	11	15	10	14	13	15	12	8	8	7
	UQ																								
	LQ																								
foF1	MED								440	490	500	510	530	540	550	500									
	CNT							1	7	7	10	13	13	10	12	10	4	1							
foE	MED						E																		
	CNT						170 12	250 19	300 27	340 24	350 17	380 13	380 11	380 12	380 9	370 14	340 19	310 22	265 16	170 9					
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 1 MINUTE 55 SECONDS. NOVEMBER, 1960

TABLE 50

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	103	100	92	84	76	78	82	90	96	105	120	130	136	141	137	138	136	135	120	112	104	103	104	102
	CNT	20	22	23	23	24	23	23	22	19	21	12	11	18	15	19	20	17	19	25	22	22	19	16	20
	UQ																								
	LQ																								
h'F2	MED								U 260	300	330	370	360	340	335	330	315	300	300	U 300	U 330				
	CNT								2	5	5	6	15	18	20	20	21	19	15	1	2				
	UQ																								
	LQ																								
h'F	MED	320	300	280	260	280	260	245	240	240	U 255	U 255				U 235	250	240	250	270	280	310	340	350	335
	CNT	26	27	27	26	27	26	25	24	15	4	2				1	5	14	19	23	24	25	25	25	27
	UQ																								
	LQ																								
M(3000)F2	MED	250	270	290	280	265	280	300	290	260	260	265	270	280	285	290	290	295	300	290	280	260	250	250	260
	CNT	12	16	20	21	23	22	22	16	13	12	7	6	12	14	18	17	15	16	16	14	14	12	9	13
	UQ																								
	LQ																								
foF1	MED									U 770		U 570	U 540		U 520	U 540	U 460								
	CNT									1		1	1		1	1	1								
foE	MED					U 165	200	280	U 310										U 280	U 215					
	CNT					1	13	11	1										3	1					
h'E	MED					U 169	169	121	119	119	119	119	U 119	U 113	109	119	115	119	119	114					
	CNT					1	10	20	19	17	12	6	3	2	3	7	8	11	17	6					
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. NOVEMBER, 1960

TABLE 51

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 75	U 74	60	U 58	51	52	60	66	74	U 80	79	U 84	U 86	U 88	U 88	82	81	U 82	U 82	U 88	D 77	D 75	D 75	D 75
	CNT	25	26	25	24	24	24	23	22	23	23	19	20	18	18	19	18	21	26	26	25	26	25	26	26
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	290	260	260	265	260	275	250	235	230	220	210	205	205	205	210	220	230	245	250	255	260	280	300	295
	CNT	22	24	23	22	24	24	24	22	20	18	16	17	16	18	17	16	20	25	24	21	21	22	24	23
	UQ																								
	LQ																								
M(3000)F2	MED	275	285	275	270	275	280	300	295	290	300	285	285	280	280	275	280	280	290	280	285	280	270	275	
	CNT	9	11	17	15	12	12	20	20	19	14	15	19	15	13	13	16	18	16	10	5	6	6	5	4
	UQ																								
	LQ																								
foF1	MED								450	470	500	540	540	530	550	530	500	460							
	CNT						1	2	15	14	18	14	16	12	17	15	12	8	3						
foE	MED						170	250	300	330	350	365	370	370	355	350	350	330	290	220					
	CNT						21	23	23	23	23	19	19	16	15	18	17	20	25	25					
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 1 MINUTE 55 SECONDS. NOVEMBER, 1960

TABLE 52

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	88	90	82	80	81	85	90	90	10	105	110	109	114	108	102	92	92	89	86	88	89	88	90	89
	CNT	25	26	26	24	24	27	27	27	25	27	21	22	25	24	28	27	30	27	26	22	17	27	27	27
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	245	250	255	250	255	255	245	250	250	250	260	260	270	280	290	290	295	295	295	285	270	250	245	245
	CNT	16	18	15	15	13	15	13	19	16	17	12	13	11	12	22	23	24	23	17	11	10	16	15	15
	UQ																								
	LQ																								
foF1	MED						350	430	440	500	490		510	440		460	430	425		375					
	CNT						1	1	3	2	3		1	1		1	1	1		1					
foE	MED				E	E	210	260	305	335	U 340					350		U 310	270	235	E	E	E	E	
	CNT				3	14	8	13	10	3	1					1		4	12	6	5	4	1	1	
h'E	MED																								
	CNT																								
foEs	MED		J		E					J	J		J	J	J		J			J	J		E	J	E
	CNT	20 26	19 23	13 20	21	15 14	25 20	31 25	35 27	45 22	45 250	46 18	60 20	46 18	46 15	46 17	42 21	35 29	34 28	30 29	23 19	19 13	18	17 18	19

SWEEP NOVEMBER, 1960

TABLE 53

PORT LOCKROY, ANTARCTICA (64.8S, 63.5W) 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	92	96	94	90	87	78	88	87	86	81	78	72	72	74	71	70	67	67	66	73	77	82	84	90
	CNT	28	24	24	24	27	28	26	25	21	27	27	24	22	23	23	26	15	18	17	22	25	24	24	19
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	300	300	300	305	320	300	270	260	250	250	240	240	235	230	240	235	245	240	250	240	250	260	270	280
	CNT	30	27	27	27	28	28	28	27	20	19	18	14	18	17	17	22	10	12	16	21	24	25	27	29
	UQ																								
	LQ																								
M(3000)F2	MED	260	255	250	245	250	240	250	255	260	260	275	275	285	285	290	290	300	295	290	300	285	275	265	260
	CNT	23	19	20	21	22	25	23	25	18	27	25	23	22	22	22	24	12	15	16	18	21	18	21	16
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED	150	140	105	U 130	120	U 165	U 200	235	270	300	U 290	320	325	350	U 340	340	U 350	310	U 305	U 285	260	235	200	170
	CNT	7	5	5	9	12	19	19	14	9	12	5	6	4	5	8	10	1	1	3	11	12	15	15	13
h'E	MED																								
	CNT																								
foEs	MED	E 15	E 14	E 10	E 13	E 12	E 16	E 20	E 24	E 27	32	33	36	37	36	34	E 34	E 35	E 31	E 30	E 28	E 26	E 24	E 20	E 17
	CNT	30	30	29	29	29	29	29	29	29	290	29	28	27	28	28	28	25	26	28	28	30	29	30	29

SWEEP NOVEMBER, 1960

TABLE 54

POLE STATION, ANTARCTICA (90.0S) 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 585	U 62	U 56	U 60	U 65	U 615	U 585	U 54	U 48	U 50	U 52	U 48	U 50	U 52	U 545	U 60	U 68	U 58	U 57	U 57	U 56	U 58	U 58	U 60
	CNT	18	17	18	18	12	18	18	17	15	11	11	12	13	17	20	21	17	18	19	15	16	15	21	20
	UQ	63	70	64	74	73	67	67	61	57	60	61	53	52	54	58	65	71	64	60	67	61	68	66	65
	LQ	54	54	50	52	56	50	50	50	39	45	39	46	46	48	51	56	58	53	52	53	52	53	54	56
h'F2	MED	380	380	365	395	3625	410	405	4275	4425	U 385	U 590	U 550	U 490	U 5125	U 440	U 315	375	E 385	395	U 3775	3925	U 335	335	U 350
	CNT	14	11	14	14	18	17	18	14	16	9	7	8	9	6	11	10	11	14	13	8	10	6	10	9
	UQ	415	430	480	450	410	445	440	540		595		600			485	420	450	440	470	410	450	350	400	400
	LQ	310	340	340	320	350	360	365	340	380	370	375	445	365	435	415	300	340	340	335	360	350	330	310	310
h'F	MED	2425	235	E 240	250	U 250	245	240	235	2325	240	U 2575	260	255	U 280	260	U 260	260	250	250	U 245	245	240	2375	U 240
	CNT	18	21	20	21	19	19	21	18	18	17	12	13	15	19	20	19	21	20	23	18	19	21	22	22
	UQ	260	250	250	255	260	260	250	240	240	245	280	295	300	300	275	275	265	265	265	265	265	260	250	265
	LQ	230	230	225	235	230	225	220	215	210	215	220	230	250	265	245	250	240	235	240	230	235	230	230	230
M(3000)F2	MED	U 280	280	U 270	U 270	U 260	U 260	U 265	U 2625	U 240	U 250	U 260	U 265	U 280	U 275	U 280	U 2825	U 280	U 290	U 285	U 280	U 2775	U 295	U 290	U 2825
	CNT	13	12	13	15	10	15	11	10	10	9	8	9	7	15	17	20	15	11	15	10	12	11	17	16
	UQ	295	300	280	290	275	275	270	285	265	280	270	265	305	290	295	300	290	300	295	285	290	315	315	300
	LQ	270	265	255	250	250	250	235	230		220		230	270	250	255	270	255	265	265	270	260	280	280	270
foF1	MED		U 430	U 390	U 400	U 395	U 390	U 390	U 380	U 385	U 400	U 385	U 350		380	U 390			U 390	380		U 400			
	CNT	3	5	5	8	6	13	15	11	14	7	6	5	4	5	5		4	7	6	4	5			2
foE	MED	260	255	250	260	260	260	260	260	U 260	285	U 2825	U 2875		290	U 280	U 280	U 270	260	U 265	U 265	U 260	U 260	255	250
	CNT	12	13	11	15	13	14	15	17	17	12	8	6	4	9	14	13	13	14	18	15	13	15	13	10
h'E	MED	106	105	106	106	106	109	105	105	107	108	107	107	105	104	105	105	107	103	107	106	107	107	105	105
	CNT	14	17	16	16	14	15	17	17	18	14	11	9	8	10	15	15	17	17	18	18	17	17	14	15
foEs	MED	30	26	285	285				295	29	33	33	32	31	38						28	29	29	25	36
	CNT	22	21	22	22	21	19	22	20	20	190	18	17	21	13	22	23	22	22	23	23	23	23	23	22

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. NOVEMBER, 1960

TABLE 55

WARSAW, POLAND (52.2N, 21.2E) 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	41	38	38	34	28	27	41	63	70	83	94	107	103	102	104	100	87	U 82	U 72	60	49	42	42	41
	CNT	28	28	27	26	25	27	27	27	24	29	30	30	30	29	29	30	30	30	31	30	29	28	30	28
	UQ	46	46	43	42	40	35	48	74	90	102	110	114	117	114	113	109	100	93	82	70	58	50	48	48
	LQ	34	31	30	27	20	23	34	49	57	61	71	85	80	84	84	83	78	70	60	50	40	36	34	34
h'F2	MED																								
	CNT							1			4	3	3		1		1								
	UQ																								
	LQ																								
h'F	MED	E 335	E 320	U 300	U 300	U 270	U 270	270	245	235	225	230	225	225	230	240	240	235	230	U 230	E 250	E 270	E 290	E 310	E 310
	CNT	27	28	27	26	25	26	27	27	25	29	30	31	30	29	29	30	30	30	31	30	26	26	29	28
	UQ	355	360	340	345	340	350	300	255	240	240	240	235	235	240	245	245	240	250	250	295	300	350	345	345
	LQ	305	300	290	290	260	250	245	235	230	225	225	215	220	225	230	225	225	225	230	235	245	245	295	300
M(3000)F2	MED	250	250	260	260	270	275	305	315	315	315	310	310	305	305	310	315	310	310	300	300	295	265	265	260
	CNT	22	23	21	19	18	21	23	25	21	25	24	22	23	24	21	24	25	23	18	18	22	22	24	20
	UQ	255	265	265	270	280	300	310	325	325	320	310	315	310	315	315	320	320	315	310	310	305	295	265	275
	LQ	240	245	245	250	255	255	285	305	310	300	300	295	290	295	300	310	305	305	290	290	275	255	250	250
foF1	MED																								
	CNT							1	2	2	4	3	2	2	2	1	2								
foE	MED	E	E	E	E	E	E	E 160	200	250	285	300	300	300	300	280	245	U 185	E	E	E	E	E	E	E
	CNT	6	13	20	20	24	27	22	22	22	25	22	22	23	22	22	22	18	31	17	10	5	6	3	5
h'E	MED								U 109	U 109	107	105	103	103	103	106	107								
	CNT								2 9	19	20	21	20	14	14	8	13	3							
foEs	MED	E 16	E	E	E	E	E 14	E 16	G	27	32	34	32	32	G	G	G	20	18	E 16	E 16	E 16	E 16	E 16	E 16
	CNT	28	28	27	26	25	27	26	26	25	290	30	31	30	29	29	30	30	31	31	30	29	29	30	29

SWEEP 1.0 MC TO 18.0 MC IN 20 SECONDS. OCTOBER, 1960

TABLE 56

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
foF2	MED	427	435	432	414	387	33	316	475	635	68	80	995	994	104	101	1002	935	89	794	69	57	498	448	428
	CNT	27	26	24	22	22	21	23	31	30	31	29	28	30	31	31	31	31	31	30	29	28	29	29	29
	UQ																								
	LQ																								
h'F2	MED								G									G							
	CNT								2	580 4	542 4	388 7	332 6	358 5	550 3	482 2	726 2	1							
	UQ																								
	LQ																								
h'F	MED	319	320	310	309	300	266	283	260	235	240	233	231	231	232	239	240	241	239	232	233	246	252	288	291
	CNT	28	30	30	29	29	24	27	31	29	29	26	25	29	31	30	30	31	29	29	24	27	26	25	26
	UQ																								
	LQ																								
M(3000)F2	MED	253	253	253	258	271	284	279	308	311	309	303	308	308	301	303	309	307	310	304	305	295	284	260	259
	CNT	21	23	20	18	19	18	18	27	29	31	29	26	30	31	31	29	31	31	29	28	28	27	25	23
	UQ																								
	LQ																								
foF1	MED								310	365	390	415	435	430	410	428	383	365							
	CNT								3	4	4	7	8	5	3	2	2	1							
foE	MED							E	157	240	267	290	306	305	305	290	275	245	184	E	E				
	CNT							9	14	18	23	16	11	10	21	20	26	25	11	10	2				
h'E	MED							E	110	108	106	108	107	106	108	107	107	110	114	E	E				
	CNT							9	16	5	13	18	13	14	18	10	8	5	6	15	2				
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 4 MINUTES. OCTOBER, 1960

TABLE 57

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	MEQ	43	42	38	35	32	30	36	49	56	68	82	89	96	95	94	96	90	86	77	65	52	46	42	41
	CNT	27	26	27	27	23	23	28	29	29	28	29	29	29	26	27	27	26	24	28	26	27	27	26	28
	UQ																								
	LQ																								
h'F2	MEQ																								
	CNT																								
	UQ																								
	LQ																								
h'F	MEQ																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MEQ	250	250	255	250	270	280	275	305	310	310	305	305	300	300	300	300	305	310	300	305	280	270	260	255
	CNT	23	23	20	21	17	19	23	29	29	26	29	29	28	25	26	22	22	24	25	23	25	22	23	23
	UQ																								
	LQ																								
foF1	MEQ									370	400	420	420	430											
	CNT									4	5	5	4	4											
foE	MED							140	205	250	285	310	325	320	310	300	270	240	180						
	CNT							17	26	28	23	20	19	19	18	24	26	19	15						
h'E	MEQ																								
	CNT																								
foEs	MEQ	E	E	E	E	E	E	E								G	G			E		E	E	E	E
	CNT	12	10	10	10	11	11	14	20	27	32	33	35	35	34			23	18	16	16	16	16	16	16
		21	27	28	27	25	21	29	29	29	280	29	29	29	27	28	28	27	29	29	29	29	29	29	29

SWEEP OCTOBER, 1960

TABLE 58

DOURBES, BELGIUM (50.1N, 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	MEQ	42	42	38	35	31	30	41	56	70	70	98	98	104	98	101	97	92	84	72	58	52	44	41	40
	CNT	29	29	30	29	31	30	30	29	29	30	30	29	29	31	29	31	31	31	30	28	28	30	29	28
	UQ	46	44	44	42	40	35	45	72	89	100	112	118	116	109	109	106	98	93	83	66	58	51	50	48
	LQ	33	32	30	26	23	23	35	46	53	62	73	78	81	79	88	79	80	69	61	53	42	35	35	33
h'F2	MEQ							O		345	320	300	285	330	270	240	U 400	U 325							
	CNT							480		6	8	10	9	6	5	3	3	2							
	UQ							3		345	492	425	424	352	344	340	430								
	LQ									325	305	260	262	300	255	238	370								
h'F	MEQ	310	302	304	308	U 272	E 315	265	250	230	230	230	225	220	230	230	240	235	230	231	232	U 248	278	U 285	309
	CNT	29	29	30	29	31	30	30	30	30	30	31	30	31	31	30	31	31	31	30	29	29	30	30	30
	UQ	329	322	320	330	360	360	300	262	250	240	242	235	230	235	240	250	245	250	250	258	278	312	322	330
	LQ	298	292	290	280	250	242	235	225	230	230	220	220	212	220	230	230	225	220	220	225	232	248	275	300
M(3000)F2	MEQ	260	260	265	260	280	280	305	325	320	315	315	310	305	310	315	310	315	310	305	305	285	275	270	260
	CNT	29	29	30	29	31	30	30	9	29	30	30	29	29	30	29	31	30	31	30	28	27	30	29	28
	UQ	270	275	270	270	290	290	315	335	335	325	325	320	318	315	315	325	325	320	315	315	305	290	280	270
	LQ	245	255	255	250	250	260	288	304	304	305	308	301	300	302	305	300	305	305	300	292	270	265	258	255
foF1	MEQ								325	390	405	420	420	420	430	390	390	360							
	CNT								3	6	6	7	6	5	3	3	2	1							
foE	MED							E 165	210	258	285	300	310	310	305	285	255	210	E 160						
	CNT							16	21	20	20	18	14	15	19	22	19	16	7						
h'E	MEQ							E 118	E 122	112	111	111	109	110	110	111	E 116	E 124							
	CNT							4	22	30	30	31	29	30	26	26	22	20							
foEs	MEQ	E 14	E 11	E 11	E 12	E 14	E 17	E 17	G		28	32	32	34	33	30	G	G	24	20	E 18	E 16	E 16	E 16	E 16
	CNT	30	30	30	29	31	30	30	30		30	300	31	30	31	31	30	31	31	31	31	30	30	31	31

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS. OCTOBER, 1960

TABLE 59

FORMOSA, CHINA (25.0N, 121.5E) 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	MEQ	U 98	83	72	60	47	42	62	100	110	129	140	146	U 159	O 167	D 170	D 173	D 170	O 170	Q 160	D 150	O 152	U 144	U 126	U 120
	CNT	30	30	31	30	31	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	30	29	31	31
	UQ	124	101	83	70	63	47	67	107	129	134	145	150	165	172	175	175	172	172	170	170	168	161	149	139
	LQ	78	72	63	50	41	34	59	95	100	117	133	135	145	164	166	165	168	161	165	145	118	126	94	88
h'F2	MEQ									235	240	240	U 245	U 270	U 295	U 280	U 265	U 240							
	CNT									4	3	5	5	1	4	5	3	3							
h'F	MEQ	U 240	U 230	U 230	230	U 235	U 245	245	225	220	U 210	U 210	U 200	U 200	U 205	220	U 225	230	230	225	220	225	220	230	U 240
	CNT	31	31	31	31	31	31	31	30	31	31	28	29	30	30	29	30					31	30	31	31
M(3000)F2	MEQ	U 310	315	300	320	300	285	320	U 345	U 335	320	320	U 310	U 300	U 310	U 310	U 315	U 320	U 330	U 315	U 310	U 305	U 315	U 315	U 310
	CNT	30	28	31	29	30	30	29	24	30	29	27	28	21	8	14	13	8	12	7	5	6	19	21	22
	UQ	330	330	325	350	335	320	330	345	345	330	325	315	315	320	315	320	320	320	330	330	320	340	325	325
	LQ	305	300	280	270	275	270	310	330	320	310	310	300	295	300	295	310	300	305	315	290	300	310	310	300
foF1	MED																								
	CNT																								
foE	MED									U 330	U 355			U 370		U 370	U 330								
	CNT									5	4			1		6	10								
h'E	MEQ								117	E 111	U 106	U 110	E 111	110	111	U 110	U 107	U 111							
	CNT								1	12	17	15	7	6	9	16	19	4							
foEs	MED								28	35	38	38	40	41	38	36	36	32	31	33					
	CNT	31	31	31	31	31	30	20	24	29	300	29	29	24	26	30	30	30	26	21	31	30	31	30	31

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. OCTOBER, 1960

TABLE 60

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	MEQ	100	92	88	78	64	57	79	118	118	128	128	118	119	128	129	132	O 114	O 108	D 101	98	104	98	97	97
	CNT	29	29	29	29	29	27	27	28	27	28	29	29	29	29	29	29	20	12	25	29	28	29	29	28
	UQ																								
	LQ																								
h'F2	MEQ																								
	CNT																								
	UQ																								
	LQ																								
h'F	MEQ	245	240	245	240	230	235	250	245	225	215	210	210	205	210	210	220	245	265	345	380	330	280	250	250
	CNT	28	29	29	29	29	26	27	28	26	26	28	26	26	25	24	22	24	24	27	28	28	29	27	29
	UQ																								
	LQ																								
M(3000)F2	MEQ	295	315	U 315	325	325	335	330	315	285	255	245	245	245	245	240	235	E 235	E 250	E 235	U 230	U 235	E 300	E 310	E 305
	CNT	12	16	14	18	16	19	25	23	27	26	27	28	29	27	24	21	8	3	17	8	5	7	8	8
	UQ																								
	LQ																								
foF1	MEQ																								
	CNT																								
foE	MEQ							205	290	330	365	390	400	400	390	365	340	290	220	120					
	CNT							21	22	24	25	28	25	26	25	24	21	24	23	7					
h'E	MEQ																								
	CNT																								
foEs	MEQ	E	E	E	E	E	E	G					G						G	G	E	E	E	E	E
	CNT	29	29	29	29	29	27	27	32 28	59 27	60 280	94 29	29	86 29	61 29	90 29	85 29	64 29	29	28	29	29	29	29	29

SWEEP OCTOBER, 1960

TABLE 61

LWIRO, CONGO (2.35, 28.8E) 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	90	94	U 85	83	77	60	71	92	103	105	116	124	131	139	143	144	140	U 141	U 146	D 140	D 140	D 140	D 140	U 133
	CNT	16	21	23	23	19	20	23	23	22	26	28	25	27	26	25	23	23	26	28	29	18	20	20	22
	UQ	102	101	103	101	97	78	76	103	106	113	120	131	136	140	147	149	149	148						
	LQ	73	69	74	74	65	53	61	86	93	98	110		125					139						114
h'F2	MED								245	245	260	280	300	345	360	390	370	390	380						
	CNT								19	21	20	17	11	18	18	19	17	19	16						
	UQ								250	252	275	302	310	415	400	415	410	435	412						
	LQ								240	240	250	270	290	300	325	375	340	375	365						
h'F	MED	202	240	255	255	230	215	240	235	220	220	210	210	210	205	210	215	235	250	290	320	270	230	210	200
	CNT	30	27	28	27	26	28	28	25	25	27	25	22	25	19	19	15	19	22	27	29	28	28	30	30
	UQ	210	260	270	270	240	220	245	240	225	220	215	210	210	210	220	220	240	255	295	350	280	242	215	205
	LQ	190	235	242	240	220	205	235	230	220	215	207	200	200	200	200	205	230	250	280	295	250	220	200	200
M(3000)F2	MED	269	276	281	300	322	327	328	326	305	277	261	254	256	252	255	256	252	254	252	250	275	304	313	U 314
	CNT	16	20	23	22	20	20	23	23	22	26	28	23	27	24	23	22	22	24	15	6	5	6	10	20
	UQ	289	293	293	304	330	346	335	336	321	284	269	265	270	265	263	264	259	262	258	252	294	314	318	
	LQ	254	269	269	290	303	316	318	323	295	269	253	250	245	246	251	252	242	246	244	237	263	301	302	305
foF1	MED										480	490	500	510	500	500	U 460								
	CNT										2	14	12	11	11	3	2								
foE	MED							175	265	315	355	375	390	400	390	370	340	310	245	E					
	CNT							6	22	22	24	25	23	21	21	25	22	17	12	2					
h'E	MED							135	119	111	111	109	109	109	109	111	111	111	116						
	CNT							2	23	19	21	18	11	12	12	20	18	16	12						
foEs	MED	E		14	14	18	27	23	29	G	38	G	G	G	G	G	36	34	31	26	22	18	16	16	E
	CNT	30	28	28	27	27	28	29	27	26	280	28	26	28	27	27	25	24	26	28	29	28	28	29	30

SWEEP 1.25 MC TO 20.0 MC IN 3 MINUTES. OCTOBER, 1960

TABLE 62

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	104	104	110	86	58	64	86	98	104	110	D 120	139	144	149	152	155	150	152	160	150	150	D 115	108	103
	CNT	20	21	19	20	19	18	22	22	16	19	18	19	20	17	20	21	21	20	13	18	10	16	18	21
	UQ																								
	LQ																								
h'F2	MED									U 230	U 300	U 330	300	310	335	320	300	300	U 295						
	CNT									1	3	3	7	9	9	9	11	7	2						
	UQ																								
	LQ																								
h'F	MED	290	285	255	235	255	270	235	240	230	230	240	U 260	U 230	245	240	250	245	250	260	250	250	280	290	290
	CNT	23	23	23	23	22	21	23	23	22	10	6	2	3	5	7	14	17	24	24	24	24	22	23	23
	UQ																								
	LQ																								
M(3000)F2	MED	275	280	295	300	280	275	310	315	300	280	295	290	280	280	280	280	300	295	310	290	290	250	260	270
	CNT	11	14	13	20	18	18	21	19	14	10	5	17	17	15	16	12	15	15	7	10	5	5	11	11
	UQ																								
	LQ																								
foF1	MED													U 510											
	CNT													1											
foE	MED						170	250	U 310										U 260	U 190					
	CNT						5	16	4										2	1					
h'E	MED						169	125	109	109	117	116	115	109	116	111	110	111	109	111					
	CNT						2	17	18	20	16	12	8	9	12	13	12	14	13	1					
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. OCTOBER, 1960

TABLE 63

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 65	62	U 58	J 53	50	47	58	68	74	78	85	88	94	96	94	U 88	U 89	86	86	U 82	U 80	U 78	U 74	U 74
	CNT	21	20	19	15	16	18	20	18	18	18	19	19	19	18	18	19	21	24	23	22	22	21	22	21
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	280	270	260	275	285	290	250	240	225	210	210	200	205	205	210	225	235	250	250	250	260	260	275	280
	CNT	19	18	20	20	20	20	20	20	20	20	20	20	20	18	19	20	23	24	23	22	22	21	20	20
	UQ																								
	LQ																								
M(3000)F2	MED	280	275	260	260	260	265	300	310	285	290	285	280	285	290	280	290	285	290	285	280	280	275	275	275
	CNT	10	10	10	12	12	13	17	19	17	15	16	14	11	10	12	15	17	14	12	10	11	6	12	8
	UQ																								
	LQ																								
foF1	MED								400	460	500	520	520	520	550	500	U 460								
	CNT							3	5	10	12	13	13	14	11	10	8	2	2						
foE	MED						E 100	220	275	310	350	355	360	375	370	350	340	310	260	190					
	CNT						20	20	20	20	18	19	18	18	18	17	19	22	22	16					
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 1 MINUTE 55 SECONDS. OCTOBER, 1960

TABLE 64

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	80	79	78	74	71	76	86	94	108	114	116	122	124	124	119	111	109	104	98	92	84	82	80	80
	CNT	28	30	28	28	27	27	29	27	26	22	17	15	14	14	22	25	28	30	27	28	28	29	28	29
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	250	250	255	255	250	260	285	290	290	280	270	290	295	295	295	295	305	295	310	300	270	260	255	250
	CNT	22	24	19	16	15	17	13	18	22	14	6	5	6	7	17	19	25	21	14	18	15	19	23	22
	UQ																								
	LQ																								
foF1	MED							320	420	400						450									
	CNT							1	2	1						1									
foE	MED				E	E	180	225	290	320	340	350	370	360	355	340	320	290	255	190	135				
	CNT				1	13	13	12	9	12	6	3	1	2	1	1	4	3	6	15	2				
h'E	MED																								
	CNT																								
foEs	MED	16	13	E	E	E	19	28	32	36	38	39	38	G 36	36	G 34	G 32	29	26	J 26	J 24	16	18	E	18
	CNT	21	25	27	27	22	19	22	30	30	290	28	28	29	29	29	27	25	25	26	18	16	21	22	24

SWEEP OCTOBER, 1960

TABLE 65

DOURBES, BELGIUM (50.1N, 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	52	48	44	44	43	42	52	64	74	80	88	87	91	92	90	88	88	93	88	82	74	60	58	52
	CNT	29	29	27	28	27	27	26	28	25	28	28	29	28	30	30	30	30	30	30	30	30	30	29	30
	UQ	58	56	54	52	49	47	63	78	89	98	102	100	106	104	102	97	96	99	97	89	81	69	64	60
	LQ	45	42	41	38	32	37	47	56	66	68	72	70	77	74	71	74	74	76	78	72	64	53	48	46
h'F2	MED							450	368	300	310	310	310	320	300	298	295	272							
	CNT							2	4	7	12	12	11	9	10	8	1	2							
	UQ								438	392	352	358	425	372	380	345									
	LQ								300	260	272	278	285	280	295	288									
h'F	MED	305	310	300	300	288	272	245	235	230	220	211	210	220	220	225	230	240	250	240	245	240	242	274	296
	CNT	29	29	28	28	27	28	27	28	28	29	30	30	30	30	30	30	30	30	30	30	30	30	30	30
	UQ	339	330	330	322	325	302	255	242	239	230	225	222	225	230	230	240	242	250	250	250	250	255	305	322
	LQ	282	290	288	285	270	242	235	225	220	215	200	205	210	215	220	225	230	240	230	230	230	235	260	285
M(3000)F2	MED	260	255	260	265	270	285	315	315	315	305	302	292	290	295	295	295	300	305	300	290	298	282	270	265
	CNT	29	29	27	28	27	27	26	28	26	29	30	30	29	30	30	30	30	30	30	29	30	30	29	30
	UQ	265	265	265	270	280	300	320	330	320	315	310	305	300	300	310	300	305	315	310	310	310	290	280	270
	LQ	248	250	250	255	255	275	310	302	305	289	295	285	284	290	290	290	290	295	295	290	290	275	265	255
foF1	MED							360	370	390	420	440	460	472	488	465	330								
	CNT							2	4	3	4	5	3	6	4	2	1								
foE	MED						E													E					
	CNT						160	200	268	300	320	338	355	355	350	332	310	280	240	160					
							7	13	18	19	19	12	15	13	14	18	24	22	14	11					
h'E	MED						109	E 119	110	107	107	106	106	105	105	106	107	109	E 117	E 127					
	CNT						14	23	27	28	29	30	30	28	27	30	29	28	22	3					
foEs	MED	E 13	E 12	E 12	E 12	E 14	17	20	G	30	34	37	G	G	35	G	G	G	25	20	20	20	19	E 17	E 16
	CNT	29	29	27	28	27	27	26	28	27	290	30	30	30	30	30	30	30	30	30	30	30	30	30	30

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS. SEPTEMBER, 1960

TABLE 66

LULEA, SWEDEN (65.6N, 22.1E) 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	50	47	47	44	46	52	56	61	65	65	67	69	67	70	68	67	67	64	63	61	55	52	50	U 50
	CNT	21	22	22	25	25	23	23	21	24	26	26	26	29	27	26	26	26	29	27	26	25	24	19	21
	UQ																								
	LQ																								
h'F2	MEO				490	450	390	500	370	375	380	390	355	380	310	325	320	310	400						
	CNT				2	5	7	9	12	15	19	17	16	16	11	9	7	4	3						
	UQ																								
	LQ																								
h'F	MEO	305	330	325	310	275	250	245	240	235	240	225	215	230	225	225	240	245	250	250	265	265	280	300	295
	CNT	24	24	19	20	24	23	21	21	21	22	15	17	18	18	18	17	14	20	25	23	24	23	20	21
	UQ																								
	LQ																								
M(3000)F2	MEO	270	270	270	270	280	280	280	280	270	270	270	280	270	280	280	270	280	290	290	290	280	280	280	270
	CNT	17	19	17	21	23	23	23	20	22	23	24	24	29	23	21	21	20	27	26	25	23	21	17	17
	UQ																								
	LQ																								
foF1	MEO				280	320	380	410	440	470	470	480	480	500	480	460	470	410	360						
	CNT				2	5	8	10	12	16	21	17	16	12	11	6	4	3	2						
foE	MED			140	170	210	250	270	290	320	330	340	340	350	330	320	320	290	260	240	220	190	180		
	CNT			1	2	14	19	10	9	10	11	7	9	10	9	10	10	12	9	6	11	3	2		
h'E	MEO				130	140	125	120	110	110	110	110	110	110	110	110	110	110	120	130	140	145	140		
	CNT				2	5	14	10	10	11	15	9	11	11	12	13	12	12	8	3	6	2	1		
foEs	MEO	J 23	J 23	J 23	24	E 21	E 25	E 27	E 29	E 32	E 33	E 34	E 34	E 35	E 33	E 32	E 32	E 29	28	28	23	25	26	31	24
	CNT	19	18	19	10	16	23	20	19	21	230	21	21	22	19	19	19	17	23	26	27	18	18	18	16

SWEEP 0.65 MC TO 25.0 MC IN 5 MINUTES. AUTOMATIC. AUGUST, 1960

TABLE 67

WARSAW, POLAND (52.2N, 21.2E) 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	57	54	50	47	47	54	61	68	72	78	79	77	80	79	78	73	73	74	77	80	U 78	U 71	65	61
	CNT	26	26	28	25	28	26	27	28	26	26	26	25	28	28	28	28	29	30	29	28	28	29	26	28
	UQ	60	56	52	50	50	61	70	76	80	88	85	85	84	84	80	76	77	79	82	84	81	76	70	63
	LQ	52	49	44	42	41	51	51	60	61	67	69	72	73	72	72	70	70	71	72	74	70	65	60	56
h'F2	MED							G 540	420	330	335	350	330	330	315	320	340								
	CNT							5	9	12	17	13	12	14	13	6	7								
	UQ								450	450	380	440	410	350	360	335	435								
	LQ							320	320	310	300	310	305	305	300	300	305								
h'F	MED	E 300	E 295	U 275	U 275	290	255	250	240	230	220	215	210	210	215	220	225	235	245	260	255	U 250	E 260	E 280	E 290
	CNT	22	22	28	26	27	25	25	27	24	25	27	22	23	26	26	28	29	28	28	25	28	26	27	26
	UQ	325	310	315	325	330	275	250	250	235	240	235	230	235	230	225	240	245	250	265	265	275	275	300	300
	LQ	290	275	275	275	280	250	240	235	225	220	200	205	205	210	220	225	230	240	250	250	250	250	260	270
M(3000)F2	MEO	265	260	260	265	265	290	290	290	290	285	285	285	290	290	290	295	295	295	290	295	280	280	265	265
	CNT	22	22	23	24	26	25	24	26	22	26	24	22	28	28	27	28	29	27	20	19	13	14	19	19
	UQ	270	270	275	275	280	305	305	300	305	300	295	295	295	295	295	300	300	300	295	300	290	285	280	275
	LQ	245	250	250	255	255	275	280	275	280	280	275	275	280	280	280	285	285	285	285	285	270	275	260	255
foF1	MED							400	450	480	500	500	500	500	500	500	500								
	CNT					1	1	6	10	13	16	13	11	9	12	5	6								
foE	MED	E	E	E	E	110	200	250	300	320	340	355	365	360	360	350	335	305	280	215	115	E	E	C	E
	CNT	9	12	18	22	26	23	27	28	23	21	22	14	19	15	21	22	28	29	24	23	12	5	3	8
h'E	MEO						U 111	105	103	101	101	101	101	101	101	101	101	103	U 105	U 107					
	CNT					4	7	24	28	27	27	27	25	28	26	24	24	23	26	8					
foEs	MED	E 16	15	12	E 27	G	23	30	35	39	40	40	40	39	39	G	35	32	32	31	J 30	27	21	U 16	E 16
	CNT	25	26	28		27	25	27	28	27	270	28	26	28	28	28	28	29	30	30	29	29	30	28	29

SWEEP 1.0 MC TO 18.0 MC IN 20 SECONDS. AUGUST, 1960

TABLE 68

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
foF2	MEO	603	57	52	485	468	472	533	616	685	75	788	765	814	80	78	745	755	753	778	82	81	765	72	635
	CNT	28	27	27	25	26	25	28	28	27	27	30	29	29	31	30	30	29	30	30	29	29	27	27	27
	UQ																								
	LQ																								
h'F2	MEO						320	397	386	351	297	316	319	332	331	345	343	339	298	490	405				
	CNT						1	7	8	13	16	14	20	18	17	16	13	9	5	1	1				
	UQ																								
	LQ																								
h'F	MEO	280	279	288	284	294	281	254	243	231	221	217	211	224	223	221	221	228	235	250	261	249	249	254	264
	CNT	24	23	24	24	26	25	23	23	24	23	25	27	27	29	27	27	27	27	24	23	25	22	22	23
	UQ																								
	LQ																								
M(3000)F2	MEO	266	264	260	261	262	274	297	296	290	295	284	285	288	285	287	286	289	292	290	293	290	284	280	270
	CNT	25	25	25	21	24	24	26	25	25	26	30	28	28	30	30	29	28	30	28	28	28	26	25	24
	UQ																								
	LQ																								
foF1	MEO						275	360	420	470	479	498	510	525	522	520	510	495	470	405	340				
	CNT						1	7	8	13	16	12	20	18	17	16	13	9	5	1	1				
foE	MEO					E	E			305	320	340	360	366	369	361	355	336	306	268	205	E			
	CNT					18	6	238	270	15	17	18	10	5	7	12	17	21	22	20	5	4			
h'E	MEO					E	E	113	106	104	102	101	102	102	102	102	103	103	104	108	E	E			
	CNT					18	17	11	27	27	28	29	29	27	28	26	25	24	25	20	5	6			
foEs	MEO																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 4 MINUTES. AUGUST, 1960

TABLE 69

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	65	64	63	65	58	40	69	100	116	122	119	118	112	105	104	106	108	112	116	94	91	85	68	65
	CNT	27	27	25	25	24	24	24	23	27	26	27	26	25	27	27	27	27	26	27	25	27	27	27	27
	UQ																								
	LQ																								
h'F2	MEQ																								
	CNT																								
	UQ																								
	LQ																								
h'F	MEQ	310	285	275	255	250	240	250	245	230	220	210	205	205	205	205	205	210	250	280	365	400	390	400	350
	CNT	27	27	25	25	25	23	24	23	26	24	24	21	21	24	25	24	24	26	27	27	27	27	27	27
	UQ																	U			U		U		U
	LQ																	235	240	240	225	230	235	280	305
M(3000)F2	MED	300	310	320	320	330	320	325	325	310	265	240	235	235	230	230	235	23	20	18	17	9	5	1	2
	CNT	1	3	7	8	15	18	24	23	26	26	27	26	25	27	27	27								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MEQ							200	290	345	U 380	400	U 405	U 410	U 400	390	370	320	265	170					
	CNT							15	12	22	22	22	16	19	21	22	24	22	25	14					
h'E	MED																								
	CNT																								
foEs	MEQ	E	E	E	E	E	E	G	G	G	G		G			G	G	G	G	G	E	E	E	E	E
	CNT	27	27	25	25	24	24	24	23	27	270	43 27	24	58 26	30 26	27	27	27	26	27	27	27	27	27	27

SWEEP AUGUST, 1960

TABLE 70

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	40	40	40	40	40	39	36	60	80	92	100	102	102	110	108	103	100	94	90	71	62	U 54	48	43
	CNT	30	29	29	25	24	23	23	23	21	20	22	29	28	29	30	30	31	31	31	31	31	31	31	30
	UQ																								
	LQ																								
h'F2	MEQ																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	260	260	270	260	260	260	230	220	220	220	215	220	210	210	220	215	225	225	220	210	220	230	230	250
	CNT	29	29	27	26	23	23	23	23	22	21	23	29	29	28	31	28	30	31	31	30	30	29	29	30
	UQ																								
	LQ																								
M(3000)F2	MED	290	295	290	295	300	290	300	325	340	330	325	310	300	300	300	300	305	315	320	320	310	300	300	295
	CNT	29	26	25	23	21	21	21	23	20	20	22	25	27	29	30	29	29	28	25	25	28	30	30	29
	UQ																								
	LQ																								
foF1	MEQ												500	500	500	500	460								
	CNT										1	4	12	17	13	9	7	2							
foE	MED								170	250	300	340	350	360	360	350	335	300	230						
	CNT							1	23	22	19	23	26	29	29	28	28	28	27						
h'E	MEQ																								
	CNT																								
foEs	MEQ																								
	CNT																								

SWEEP 1.6 MC TO 20.0 MC IN 18 SECONDS. AUGUST, 1960

TABLE 71

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	MEQ	48	47	U 47	43	42	38	38	62	81	U 88	U 93	D 90	D 90	D 90	D 90	D 90	90	U 88	82	75	62	60	58	52
	CNT	31	30	30	27	29	27	28	31	31	31	31	30	27	28	29	30	30	31	31	31	31	29	30	29
	UQ																								
	LQ																								
h'F2	MEQ																								
	CNT																								
	UQ																								
	LQ																								
h'F	MEQ	265	260	265	270	260	255	250	240	230	225	225	220	220	215	220	215	235	240	225	235	245	250	255	255
	CNT	29	31	31	31	31	31	31	31	31	31	31	30	26	26	28	30	30	31	31	31	30	30	29	31
	UQ																								
	LQ																								
M(3000)F2	MEQ	285	275	280	290	285	280	290	330	340	335	330	325	310	300	325	320	315	315	305	300	295	290	285	285
	CNT	16	15	14	21	18	19	18	17	20	16	16	9	13	8	8	9	13	15	21	24	27	23	17	14
	UQ																								
	LQ																								
foF1	MEQ												U 540	U 500	U 480	460									
	CNT										1	1	5	9	5	7	4								
foE	MEQ								205	270	310	340	350	360	360	356	320	285	230						
	CNT								30	30	31	31	27	25	27	28	27	29	29	1					
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 1 MINUTE 55 SECONDS. AUGUST, 1960

TABLE 72

DAKAR, SENEGAL (14.8N, 17.4W) 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	60	U 52	52	45	50	47	53	63	81	82	89	97	110	118	124	130	130	129	U 128	U 114	U 88	U 84	U 70	U 66
	CNT	5	6	10	15	7	9	8	27	27	26	26	27	24	23	24	24	19	6	4	2	2	9	13	5
	UQ																								
	LQ																								
h'F2	MEQ													U 362	U 388	400	370	U 380							
	CNT													2	4	5	9	4							
	UQ																								
	LQ																								
h'F	MED	375	358	342	322	320	340	270	250	235	225	225	218	210	210	212	210	220	228	240	260	300	390	405	400
	CNT	24	26	22	20	21	22	23	27	27	26	27	26	24	16	21	22	19	20	20	22	23	25	25	23
	UQ																								
	LQ																								
M(3000)F2	MED	U 255	U 265	252	250	260	250	282	320	328	312	280	260	265	265	260	265	255	U 258	U 255	U 255	U 240	U 242	U 240	U 240
	CNT	3	5	10	8	5	7	6	27	26	26	25	27	22	22	18	20	9	4	3	1	1	6	9	3
	UQ																								
	LQ																								
foF1	MEQ													U 560	U 570	U 580	U 550								
	CNT													1	1	3	4								
foE	MED					E	E	E	U 180		U	U	U 370	U 400	U 400	400	380	360	330	280	245	E	E	E	
	CNT					2	2	6	9	270 14	310 4	355 13	11	7	7	10	14	13	16	20	10	9	13	2	
h'E	MEQ					E	E	E	E													E	E	E	
	CNT					2	2	6	2	110 12	105 13	105 15	100 18	100 21	102 20	105 22	105 24	105 23	105 16	110 20	118 10	9	13	2	
foEs	MEQ	30	30	30	30	30	30	30	41	47	50	50	45	43	44	43	42	42	43	51	46	45	31	28	30
	CNT	26	26	22	25	26	26	24	27	27	260	27	27	24	21	22	24	24	25	25	24	21	20	20	27

SWEEP 1.2 MC TO 17.0 MC. JUNE, 1960

TABLE 73

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	51	49	50	48	42	36	34	58	84	93	104	105	102	100	104	110	90	83	70	68	68	63	57	56
	CNT	25	27	25	28	25	24	22	24	21	22	18	21	22	24	22	23	17	19	14	22	22	21	19	18
	UQ																								
	LQ																								
h'F2	MED										U														
	CNT										235	240	245	250	250	250	240								
	UQ										3	9	13	10	12	8	11								
	LQ																								
h'F	MED	300	310	285	260	255	250	300	250	230	235	230	230	225	230	230	240	230	215	215	225	230	235	240	260
	CNT	27	28	26	28	28	26	22	27	26	28	26	21	27	26	26	27	29	28	21	23	28	29	29	29
	UQ																								
	LQ																								
M(3000)F2	MED	255	260	280	295	300	285	280	310	335	330	330	325	315	310	305	330	330	325	320	305	300	310	295	295
	CNT	23	26	23	26	24	23	21	23	18	20	14	15	20	19	19	21	11	18	13	19	22	20	17	16
	UQ																								
	LQ																								
foF1	MED													U											
	CNT													390											
														1											
foE	MED									U	U	U			U		U	U							
	CNT									255	305	340			330		290	260							
										4	2	1			1		4	1							
h'E	MED								U									U							
	CNT								145									111							
									1									1							
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. JUNE, 1960

TABLE 74

DAKAR, SENEGAL (14.8N, 17.4W) 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	U				U														U		U		
	CNT	64	54	62	64	58	51	48	63	80	89	102	107	115	128	133	138	144	142	136	128		65	66	63
	UQ	9	7	9	14	17	14	19	25	26	27	25	28	29	23	19	22	13	12	6	3		2	6	10
	LQ																								
h'F2	MED										U		U					U	U	U					
	CNT										240		290		342	355	352	350	335	350					
	UQ										1		1		6	6	8	4	3	2					
	LQ																								
h'F	MED	362	315	295	295	265	245	245	250	240	225	225	212	220	210	212	215	210	230	245	255	290	375	400	390
	CNT	28	25	26	25	27	21	23	27	27	28	27	27	26	23	24	26	26	29	29	29	26	30	28	31
	UQ																								
	LQ																								
M(3000)F2	MED	U	U															U	U	U	U			U	U
	CNT	250	260	272	270	295	288	288	310	320	300	278	260	255	248	260	260	240	265	290	305			238	238
	UQ	4	5	8	9	14	12	18	25	22	26	22	25	26	18	12	14	5	3	3	1		2	4	6
	LQ																								
foF1	MED											U			U	U	U			U					
	CNT											500			590	580	600			660					
												1			3	3	2			2					
foE	MED				E	E	E	E				U	U	U	U							E	E	E	E
	CNT								170	265	320	358	385	400	400	398	380	358	330	275	195				
					2	5	10	9	11	14	17	12	8	5	8	6	12	16	18	21	11	14	16	3	2
h'E	MED				E	E	E	E	E												E	E	E	E	E
	CNT									110	105	105	105	100	100	105	105	105	100	115	130				
					2	5	10	9	5	14	18	19	18	18	21	21	22	24	22	20	6	14	16	3	2
foEs	MED	31	31	31	33	31	30	30	35	45	47	42	44	45	G	41	44	40	40	45	44	43	31	28	30
	CNT	27	27	29	28	29	24	27	27	27	290	27	27	26	24	23	25	28	30	30	29	25	24	24	25

SWEEP 1.2 MC TO 17.0 MC. MAY, 1960

TABLE 75

DAKAR, SENEGAL (14.8N, 17.4W) 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		U	U	U														U	U	D	U	U	
	CNT	130		115	80	68	62	48	54	82	105	116	128	135	140	145	145	148	145	143	128	50	75	39	
	UQ	2		5	6	12	17	21	21	22	23	23	22	20	14	14	13	8	8	3	4	1	1	1	
	LQ																								
h'F2	MED											U	U	U	U	U		U							
	CNT											305	305	318	405	300		275							
	UQ											3	3	2	2	1	2	1		1	1				
	LQ																								
h'F	MED	335	310	285	250	230	250	230	260	240	230	225	215	205	200	200	200	210	230	245	260	322	390	385	355
	CNT	26	27	22	26	25	24	23	26	25	26	26	26	25	26	27	24	25	23	28	27	26	28	26	26
	UQ																								
	LQ																								
M(3000)F2	MED	U		U	U	U	U											U					U	U	
	CNT	270		305	315	295	290	280	295	310	305	295	275	262	275	248	240	252	275				305	290	
	UQ	1		4	4	11	14	20	19	20	21	19	18	18	9	10	5	4	5	2	2	1	1	1	
	LQ																								
foF1	MED											U	U	U	U	U	U	U		U	U				
	CNT											550	540	600	540	550	600	510		470	440				
												1	2	1	1	1	2	1		1	1				
foE	MED	E	E	E	E	E	E	E	E					U	U				U			E	E	E	
	CNT									255	310	350	388	400	400	400	390	370	330	280	180				
		1	2	1	2	9	9	16	10	21	19	14	14	12	11	8	12	14	20	25	11	20	13	3	
h'E	MED	E	E	E	E	E	E	E	E												U	E	E	E	
	CNT									110	105	100	100	100	100	100	100	105	105	108	105				
		1	2	1	2	9	9	16	10	15	16	20	20	23	19	24	23	24	22	26	1	20	13	3	
foEs	MED													G	G	G	G	G	G						
	CNT													19	13	11	17	20	19	31	28				
																				27	27				

SWEEP 1.2 MC TO 17.0 MC. APRIL, 1960

TABLE 76

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													U		D			D	
	CNT	90		88	85	61	58	65	92	114	125	114	118	124	125	126	126		94		112			90	
	UQ	1		1	2	4	14	17	5	15	8	11	17	18	15	9	5		1		1			1	
	LQ																								
h'F2	MED																U								
	CNT																315								
	UQ																1								
	LQ																								
h'F	MED	260	250	240	225	220	220	250	245	235	225	220	220	215	220	215	222	225	240	270	340	300	U	302	285
	CNT	12	18	20	17	22	24	25	28	26	23	25	19	12	15	18	18	24	24	27	25	7	290	8	8
	UQ																						4		
	LQ																								
M(3000)F2	MED				U	U			U										U						
	CNT				310	330	315	305	315	295	272	240	235	235	235	230	240		260						
	UQ				2	4	11	14	3	13	6	11	15	16	13	7	5		1						
	LQ																								
foF1	MED																U								
	CNT																550								
																	1								
foE	MED						E	E						U							E	E		E	E
	CNT								250	310	350	380	400	400	395	385	370	338	280	180					
							2	19	17	21	16	7	9	3	10	7	12	10	13	7	21	2		1	1
h'E	MED						E	E		U	U	U			U	U	U	U	U	U	E	E		E	E
	CNT								122	115	110	105			105	110	110	115	118	140					
							2	25	8	4	1	1			1	1	4	1	4	1	21	2		1	1
foEs	MED	30	21	16	19	21	35	35	43	44	67	90	90	89	68	67	65	65	64	38	G	E	E	E	
	CNT	30	30	30	29	30	28	30	30	29	280	28	29	25	27	27	29	30	30	29	30	29	27	29	22 30

SWEEP 1.25 MC TO 20.0 MC. APRIL, 1960

TABLE 77

GRAZ, 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
foF2	MED	D 48	U 49	D 43	D 48	U 48	D 48	U 48	D 54	D 87	D 94	D 113	U 121	U 122	U 120	U 113	U 120	U 112	D 93	D 89	D 74	D 56	D 49	D 49	D 47
	CNT	17	11	18	13	13	13	7	22	27	29	28	21	21	21	24	18	19	27	26	26	26	19	14	10
	UQ	48	53	49	50	50	49	51	58	90	107	128	131	137	131	127	132	130	100	89	85	67	56	55	56
	LQ	45	48	42	44	46	43	45	49	83	90	93	113	122	111	104	111	106	90	87	66	55	47	44	43
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	18	12	19	17	19	17	13	22	27	290	28	28	29	29	29	27	27	27	27	27	26	19	14	13

SWEEP 2.0 MC TO 18.0 MC IN 50 SECONDS. FEBRUARY, 1960

TABLE 78

GRAZ, 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
foF2	MED	44	44	U 44	45	43	U 42	U 43	U 43	86	114	122	125	120	122	120	117	112	90	84	U 66	55	U 51	U 52	U 46
	CNT	10	13	8	11	12	8	8	16	16	18	22	24	24	25	25	21	20	15	17	15	15	14	9	11
	UQ	50	48	50	49	48	43	44	49	89	128	127	132	127	131	130	129	114	110	89	76	66	57	57	51
	LQ	40	36	41	43	40	39	36	41	81	100	117	120	118	118	113	110	106	83	77	52	42	42	47	42
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	21	20	22	23	17	15	9	21	28	280	28	27	27	27	27	28	28	28	28	26	24	18	17	20

SWEEP 2.0 MC TO 18.0 MC IN 50 SECONDS. JANUARY, 1960

TABLE 79

SYOWA BASE, ANTARCTICA (69.0S, 39.6E) 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
foF2	MED	56	56	56	58	61	60	57	62	63	66	69	68	70	71	72	71	70	67	66	62	59	60	60	58
	CNT	18	17	18	17	17	15	13	16	19	22	21	23	22	25	21	25	25	25	24	25	24	22	20	20
	UQ	61	60	60	59	64	65	62	70	79	79	81	80	80	78	78	78	73	72	70	68	66	63	63	64
	LQ	50	51	51	52	58	50	52	56	58	56	64	63	62	64	66	68	65	61	55	54	55	51	53	51
h'F2	MED			550	450	460	490	525	530	500	500	485	490	490	495	480	470	450	460	490	475	360		490	
	CNT			1	5	12	17	21	20	23	24	24	25	26	27	25	26	19	16	12	4	2		1	
h'F	MED	300	325	380	380	400	310	300	270	280	245	240	235	240	235	235	230	230	230	250	255	270	280	295	300
	CNT	22	23	23	19	16	14	13	17	22	17	23	23	21	27	21	25	24	24	22	24	23	24	24	25
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED				330	400	410	420	460	470	480	500	500	500	520	510	500	500	470	440	430			400	
	CNT				1	4	11	13	16	20	20	21	21	21	24	22	19	16	11	8	4			1	
foE	MED	285	310	305	320	320	300	310	320	340	340	350	350	350	350	340	340	340	320	300	285	260	270	250	265
	CNT	12	11	8	6	7	11	7	11	12	11	12	12	12	18	12	15	16	19	17	21	18	16	15	12
h'E	MED	120	120	115	115	110	110	105	100	100	100	100	100	100	100	105	100	100	105	105	105	110	110	120	120
	CNT	13	9	8	7	8	11	7	11	13	10	14	16	15	18	15	18	17	21	22	21	19	18	14	13
foEs	MED	30	35	36	35	40	32	41	38	36	G	37	G	G	38	35	G	G	G	G	30	29	G	G	G
	CNT	24	25	21	21	24	23	22	24	21	180	18	20	18	18	17	20	19	22	23	24	23	24	26	23

SWEEP 1.0 MC TO 20.0 MC IN 20 SECONDS. JANUARY, 1960

TABLE 80

SYOWA BASE, ANTARCTICA (69.0S, 39.6E) 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
foF2	MED	49	52	50	56	54	56	56	58	62	61	62	60	64	64	66	66	66	64	59	57	55	53	54	52
	CNT	24	21	18	18	21	24	14	14	12	14	15	17	19	21	20	22	17	19	19	27	29	26	22	26
	UQ	51	54	54	58	58	58	60	64	72	71	68	63	68	70	70	70	70	67	65	60	60	58	56	55
	LQ	44	46	46	46	46	52	54	56	58	57	56	56	58	60	62	63	61	56	52	49	52	48	48	47
h'F2	MED		670	525	465	485	500	540	560	595	550	510	515	515	505	515	500	440	500	470	610				
	CNT		1	3	8	15	23	16	18	14	15	17	16	20	22	19	23	20	14	6	3				
h'F	MED	380	385	385	390	320	300	290	290	260	260	250	250	240	245	245	250	260	250	270	280	280	300	300	340
	CNT	24	22	17	16	14	16	17	20	14	14	17	15	14	15	17	22	18	21	19	24	30	24	23	26
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED			320	370	400	400	420	440	480	480	490	480	500	500	500	490	490	460	450	400	350	310		
	CNT			2	2	10	14	14	15	12	12	14	15	17	14	14	21	16	15	6	4	1	1		
foE	MED	305	295	290	290	300	300	310	310	330	350	350	360	350	345	330	330	310	310	300	280	280	300	245	330
	CNT	20	9	12	12	17	18	15	12	12	6	7	7	9	10	11	12	8	17	16	18	23	21	19	20
h'E	MED	120	130	125	110	115	110	105	105	105	105	105	105	105	100	105	105	105	105	105	110	115	130	130	125
	CNT	20	11	12	12	18	19	17	15	14	9	11	6	11	10	13	16	11	18	16	23	22	21	18	21
foEs	MED	G	34	30	34	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
	CNT	24	24	25	24	23	22	20	19	17	150	13	8	11	11	14	17	14	19	18	25	26	26	25	26

SWEEP 1.0 MC TO 20.0 MC IN 20 SECONDS. DECEMBER, 1959

TABLE 81

GRAZ. 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
foF2	MED	U 46	49	U 49	46	U 45	U 46	U 43	U 56	85	108	119	124	123	121	121	121	115	87	U 71	59	55	U 49	U 49	U 48
	CNT	16	13	12	12	5	5	4	19	25	15	19	23	24	23	21	22	14	18	17	23	25	15	9	13
	UQ	51	51	49	51	49	51		66	91	114	127	129	132	128	130	126	117	91	84	67	56	54	53	52
	LQ	45	44	48	44	42	41		52	80	92	110	118	118	112	114	115	106	85	66	56	50	48	45	45
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 2.0 MC TO 18.0 MC IN 50 SECONDS. NOVEMBER, 1959

TABLE 82

DAKAR, SENEGAL (14.8N, 17.4W) 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	D	D	U 168	U 121	66	52	53	53	100	126	142	150	164	D 165	D 160	U 145	U 148	D 142	U 142		D	D	D	D
	CNT	1	1	3	4	7	14	19	18	8	20	25	18	15	13	6	9	6	4	2		1	1	2	2
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	230	225	225	220	220	220	230	250	245	235	225	220	210	200	205	220	230	240	260	300	330	278	260	235
	CNT	23	27	28	27	26	26	23	25	29	26	28	26	24	24	20	24	24	24	28	26	24	20	20	24
M(3000)F2	MED					U 310	310	325	310	U 325	335	315	300	U 288	U 268	U 245	U 258	U 235							
	CNT					4	9	14	16	4	13	21	11	4	2	1	2	1							
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED	E	E	E	E	E	E	E	E	235	305	345	370	380	390	375	360	330	290	220	E	E	E	E	E
	CNT	4	6	9	10	11	9	14	16	20	24	25	24	21	17	17	22	24	18	13	7	7	2	2	4
h'E	MED	E	E	E	E	E	E	E	E	110	108	102	100	100	100	100	102	105	110	U 115	E	E	E	E	E
	CNT	4	6	9	10	11	9	14	17	19	22	24	25	26	27	27	26	24	19	1	7	7	2	2	4
foEs	MED	24	25	27	26	27	28	27	31	38	45	39	40	37	32	40	40	40	41	31	31	26	29	31	30
	CNT	18	23	26	27	26	25	26	24	27	270	29	27	27	28	28	28	28	27	27	24	21	21	25	23

SWEEP 1.2 MC TO 17.0 MC. NOVEMBER, 1959

TABLE 83

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 73	U 73	68	63	57	57	D 38																
	CNT		2	2	15	19	22	21	1																
	UQ																								
	LQ																								
h'F2	MED																U 190	U 320							
	CNT																1	1							
	UQ																								
	LQ																								
h'F	MED	245	240	240	240	230	225	250	250	242	235	230	225	220	212	215	232	250	270	315	355	352	280	255	250
	CNT	25	26	27	26	25	27	27	27	26	25	25	25	23	22	21	24	26	25	27	12	10	17	19	21
	UQ																								
	LQ																								
M(3000)F2	MED		U 290	U 310	310	312	320	310																	
	CNT		1	1	12	18	21	20																	
	UQ																								
	LQ																								
foF1	MED																U 480	U 560							
	CNT																2	1							
foE	MED	E	E	E	E	E	E	E	250	305	350	375	385	390	380	365	350	300	U 235	E	E	E	E		
	CNT	2	2	1	3	8	11	25	22	23	16	13	10	10	14	12	13	11	7	23	8	1	1		
h'E	MED	E	E	E	E	E	E	E	130	125	U 120				U 110	U 115	U 120	U 130	130	E	E	E	E		
	CNT	2	2	1	3	8	11	26	15	16	4				1	2	1	1	5	25	8	1	1		
foEs	MED	26	20	20	20	20	21	22	43	44	60	65	67	66	68	68	60	60	55	33	17	17	21	32	32
	CNT	26	25	27	27	26	27	26	27	26	270	25	26	27	26	26	27	27	27	27	27	27	27	27	27

SWEEP 1.25 MC TO 20.0 MC. NOVEMBER, 1959

TABLE 84

TAHITI, SOCIETY IS. (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
foF2	MED	138	112	105	U 94	88	93	112	105	111	122	140	148	160	160	159	155	160	155	150	140	145	151	D	148
	CNT	22	20	19	19	18	15	18	21	15	15	16	17	20	19	21	18	21	21	21	20	10	17	18	18
	UQ																								
	LQ																								
h'F2	MED											U 310	U 382	U 370	U 368	U 375	U 380	U 365							
	CNT											1	2	1	4	3	4	2							
	UQ																								
	LQ																								
h'F	MED	248	240	278	292	280	260	245	238	235	225	220	238	245	230	238	240	245	260	288	310	330	310	280	265
	CNT	26	26	24	21	20	19	19	22	20	18	17	20	21	20	21	18	21	17	18	21	19	23	23	23
	UQ																								
	LQ																								
M(3000)F2	MED	308	298	268	285	285	310	330	325	295	278	275	272	275	280	275	275	275	272	270	265	250	265	U 295	295
	CNT	16	14	10	9	16	11	14	19	11	14	11	14	11	9	11	8	11	12	12	13	7	7	6	10
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED	E	E	E	E	E	E	235	300	U 350	380	400	410	U 432	U 420	400	370	U 330	270	160	E	E	E	E	E
	CNT	7	9	17	11	15	16	16	22	18	18	10	6	11	13	15	21	24	18	6	7	7	9	5	8
h'E	MED	E	E	E	E	E	E	115	110	105	105	105	105	U 105	110	110	110	110	115	E	E	E	E	E	E
	CNT	7	9	17	11	15	17	14	20	20	16	11	5	3	8	10	16	23	18	9	8	7	9	5	8
foEs	MED	26	28	28	24	24	23	30	34	40	40	G	G	G	G	G	38	36	37	32	31	31	28	26	25
	CNT	26	25	24	21	20	20	17	21	21	210	18	19	18	18	23	22	24	25	24	25	22	23	24	24

SWEEP 1.2 MC TO 17.0 MC. NOVEMBER, 1959

TABLE 85

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	86	82	74	70	68	66	79	95	109	114	120	124	126	125	124	120	120	119	118	108	106	99	96	95
	CNT	29	29	28	28	29	27	26	25	28	28	26	29	27	27	28	28	27	26	27	26	26	28	28	27
	UQ																								
	LD																								
h'F2	MED							U	U		U	U	U	U	U	U	U								
	CNT							730	600		315	355	378	398	368	410	380								
	UD							1	1		1	2	2	2	4	3	2								
	LQ																								
h'F	MED		E	E	E	E							U	U	U										
	CNT	285	280	272	285	290	305	272	260	255	250	250	245	260	252	250	255	275	280	290	280	285	285	282	295
	UD	28	29	29	29	29	26	26	26	28	24	14	3	3	4	11	15	23	24	27	25	26	27	28	29
	LQ																								
M(3000)F2	MED	265	270	265	265	255	260	280	275	270	262	260	250	255	250	250	250	260	262	270	270	265	268	265	265
	CNT	29	29	28	28	29	27	26	25	28	28	26	29	27	27	28	28	27	26	27	26	26	28	28	27
	UQ																								
	LQ																								
foF1	MED							U					U		U		U								
	CNT							370					620		570		570								
								1					1		1		1								
foE	MED	E	E	E	E	E	E						U							E	E	E	E	E	E
	CNT							240	310	345	375	390	400	388	400	380	350	325	250						
		4	7	13	18	25	24	26	20	23	20	13	7	5	12	23	25	27	25	4	3	3	5	3	6
h'E	MED	E	E	E	E	E	E					U	U		U					E	E	E	E	E	E
	CNT							120	120	120	120	118	120		120	120	120	125	130						
		4	7	13	18	25	25	25	23	25	18	4	1		1	13	17	21	20	4	3	3	5	3	6
foEs	MED								G	G	G	G					G	G	G	G	G				G
	CNT	22	20	23	20	22	24	27					42	42	45	43	40	38	31	29	27	27	24	22	24
		28	28	27	26	28	26	25	20	28	280	17	10	7	21	25	27	27	26	17	18	19	22	21	27

SWEEP 1.25 MC TO 20.0 MC. NOVEMBER, 1959

TABLE 86

SYOWA BASE, ANTARCTICA (69.0S, 39.6E) 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
foF2	MED	49	48	52	55	56	57	56	60	61	60	62	61	62	64	64	66	70	64	60	56	56	49	50	46
	CNT	17	20	21	15	16	15	14	12	14	19	21	20	21	22	22	21	20	22	21	25	28	23	20	22
	UD	52	50	57	58	64	67	64	70	72	70	69	66	67	68	70	72	75	70	69	63	58	57	54	53
	LD	44	44	44	52	52	50	47	52	56	54	54	56	59	60	60	59	62	58	56	52	50	45	44	44
h'F2	MED			435	460	420	465	510	510	500	495	500	520	500	500	500	500	460	440	405					
	CNT			1	3	9	16	15	15	14	19	20	20	19	21	20	16	13	7	3					
	UD																								
	LD																								
h'F	MED	390	380	395	400	335	305	285	285	270	240	235	240	240	260	250	260	255	250	265	280	295	320	330	355
	CNT	19	21	25	21	19	16	11	14	11	22	20	21	19	20	18	20	19	19	21	25	28	24	21	23
	UD																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LD																								
foF1	MED																								
	CNT				350	380	400	400	440	450	460	470	480	490	500	490	470	460	440	400					
					2	6	12	12	12	15	22	19	20	17	18	15	14	13	8	6					
foE	MED	300	285	280	270	275	285	300	310	320	340	335	360	350	335	340	330	320	300	300	260	245	305	280	325
	CNT	8	11	11	13	14	12	11	13	10	14	12	8	12	8	8	11	12	12	14	17	14	8	13	10
h'E	MED	125	120	110	115	110	110	110	110	110	105	105	105	105	105	105	105	105	110	110	115	115	115	120	120
	CNT	8	11	11	13	15	12	13	13	11	16	14	12	14	9	12	15	17	14	17	20	12	10	13	12
foEs	MED	38	33	33	30	31	35	35	G	G	G	G	G	G	G	G	G	G	G	G	G	28	G	34	G
	CNT	24	23	25	22	24	23	22	22	18	200	17	12	16	11	12	16	18	15	19	23	26	22	26	23

SWEEP 1.0 MC TO 20.0 MC IN 20 SECONDS. NOVEMBER, 1959

TABLE 87

GRAZ, 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
foF2	MED	U	U	U		U	U	U			U				U			U					U	U	
	CNT	57	56	55	55	51	48	51	80	85	104	111	115	124	120	120	117	115	113	87	87	60	61	55	53
	UQ	13	17	17	13	11	11	12	20	17	21	23	21	22	25	20	22	19	11	16	19	11	18	19	18
	LD	59	59	59	58	56	51	57	84	90	113	121	124	128	128	127	124	119	114	89	89	68	67	58	57
		51	51	51	51	47	42	48	60	76	88	98	108	117	108	113	114	112	94	84	71	57	55	53	49
h'F2	MED																								
	CNT																								
	UQ																								
	LD																								
h'F	MED																								
	CNT																								
	UQ																								
	LD																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 2.0 MC TO 18.0 MC IN 50 SECONDS. OCTOBER, 1959

TABLE 88

DAKAR, SENEGAL (14.8N, 17.4W) 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	D	D	D													D	D				U	U	U	D
	CNT				132	70	65	54	63	105	129	142	150	158	158	163			165	160	142	141	132	132	
	UQ	4	9	9	7	15	14	16	25	21	27	26	23	22	17	21	22	19	10	6	5	3	1	2	2
	LD																								
h'F2	MED												U	U	U	U									
	CNT												350	315	355	380									
	UD												1	2	1	1									
	LD																								
h'F	MED	255	250	230	215	210	225	235	252	240	230	220	210	200	200	210	210	225	232	250	300	362	325	280	278
	CNT	29	29	29	30	29	26	28	30	31	27	27	26	28	29	28	29	27	24	27	30	26	15	27	28
	UD																								
	LD																								
M(3000)F2	MED	U	U	U													D		U	U	U	U	U	U	U
	CNT	292	312	308	325	310	305	308	315	335	328	318	302	290	275	262	262	275	275	278	262	235	255	260	290
	UQ	2	2	2	5	8	10	14	23	16	22	24	20	17	14	8	6	5	4	2	2	1	1	2	1
	LD																								
foF1	MED													U											
	CNT													480											
														2											
foE	MED	E	E	E	E	E	E	E	E													E	E	E	E
	CNT									245	310	350	380	400	400	398	375	350	305	240	132				
		3	5	12	6	8	12	18	18	27	22	25	22	22	17	20	24	28	26	19	6	9	2	3	2
h'E	MED	E	E	E	E	E	E	E	E												E	E	E	E	E
	CNT									110	105	100	100	100	100	100	100	105	105	115					
		3	5	12	6	8	12	18	25	16	20	18	22	19	15	23	20	25	24	10	10	10	2	3	2
foEs	MED												G												
	CNT	26	22	24	27	26	26	26	30	44	37	40		36	44	41	40	37	38	43	30	28	30	26	28
		24	26	27	30	29	28	30	30	31	270	27	27	29	28	29	30	29	29	29	29	28	19	22	25

SWEEP 1.2 MC TO 17.0 MC. OCTOBER, 1959

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	U	U						U	U			
	CNT			83		66	65	64				120	110	108	115						92	90			
	UQ			1		3	8	12				1	4	2	1						2	1			
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	245	240	230	235	232	220	250	250	240	225	215	210	205	205	215	220	242	260	300	390	U 350	U 310	280	250
	CNT	26	27	28	25	24	24	28	29	28	25	26	25	21	20	24	22	26	30	30	14	3	3	7	12
	UQ																								
	LQ																								
M(3000)F2	MED			U		U						U	U	U							U	U			
	CNT			320		320	325	312				235	255	245	240						210	220			
	UQ			1		3	7	10				1	3	2	1						2	1			
	LQ																								
foF1	MED									U															
	CNT									520															
										1															
foE	MED				E	E	E	E												E	E		E		
	CNT				1	3	3	21	260 19	315 27	350 19	375 9	390 9	400 5	390 5	375 10	350 11	305 6	250 5	18	6		1		
h'E	MED			E	E	E	E	E						U	U	U	U	E	U	E	E		E		
	CNT				1	3	3	27	125 19	120 7				100 1	100 1	110 1	112 4	2	125 3	20	7		1		
foEs	MED	32	25	18	18	18	21	34	39	44	65	100	95	84	66	66	65	65	65	38	E	E	18	32	34
	CNT	30	28	30	28	26	29	28	29	29	280	28	26	28	28	28	30	30	29	26	28	30	30	29	28

SWEEP 1.25 MC TO 20.0 MC. OCTOBER, 1959

TABLE 90

TAHITI, SOCIETY IS. (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
foF2	MED	120	102	91	86	87	88	100	121	122	130	139	147	148	146	142	148	145	146	146	150	160	160	160	145
	CNT	19	21	23	18	17	23	20	21	28	25	26	28	27	26	25	26	26	25	26	23	24	22	25	28
	UQ																								
	LQ																								
h'F2	MED								U			U	U		U		U	U							
	CNT								230			270	365		375	365	385	370							
	UQ								1			1	2		3	6	4	1							
	LQ																								
h'F	MED	242	240	248	295	280	270	250	240	230	220	220	220	215	215	225	240	245	260	295	315	290	265	258	255
	CNT	28	27	24	19	21	22	24	21	28	24	26	25	24	24	24	26	25	24	24	25	26	29	30	29
	UQ																								
	LQ																								
M(3000)F2	MED	305	292	265	260	270	292	300	320	310	290	290	280	275	265	260	265	270	268	265	260	U 270	285	280	295
	CNT	14	12	17	13	13	20	18	20	27	21	22	20	20	17	18	18	16	16	15	12	4	9	9	17
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED	E	E	E	E	E	E			U				U				U		E	E	E	E	E	E
	CNT	17	21	21	14	18	19	220 20	290 21	350 20	370 20	400 13	402 11	420 12	400 16	390 17	360 24	325 21	260 21	6	9	5	7	11	16
h'E	MED	E	E	E	E	E	E			105	105	105	105	105	105	105	110	110	115	E	E	E	E	E	E
	CNT	17	21	21	14	18	19	125 16	110 15	23	23	23	13	10	11	21	24	23	16	10	9	5	7	11	16
foEs	MED	18	18	18	18	22	22	26	31	G	38	G	G	G	G	G	G	33	30	31	31	30	26	26	19
	CNT	28	28	25	23	22	22	24	21	27	250	23	20	24	24	26	28	29	29	29	26	28	29	30	29

SWEEP 1.2 MC TO 17.0 MC. OCTOBER, 1959

TABLE 91

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	90	72	62	60	58	56	80	104	117	126	125	128	128	128	125	126	126	124	121	118	114	108	98	92
	CNT	24	25	26	26	26	26	25	24	27	27	27	27	26	27	27	28	28	28	28	28	27	28	23	25
	UQ																								
	LQ																								
h'F2	MED														U		U								
	CNT														345		335								
	UQ														1		1								
	LQ																								
h'F	MED	260	250	260	278	278	285	260	255	250	245	240	230	225	238	240	250	260	275	270	265	265	262	270	275
	CNT	26	27	25	26	27	26	25	25	27	25	25	16	11	14	21	23	27	27	28	28	28	28	27	27
	UQ																								
	LQ																								
M(3000)F2	MED	290	285	270	265	270	270	295	290	285	285	270	265	265	260	260	260	265	270	278	275	280	280	280	280
	CNT	24	25	26	26	26	26	25	24	27	27	27	27	26	27	27	28	28	28	28	28	27	27	23	25
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED	E	E	E	E	E	E																		E
	CNT	13	11	20	22	25	23	215 24	300 23	328 23	362 24	382 15	392 10	388 5	400 8	375 19	350 27	315 28	240 23						11
h'E	MED	E	E	E	E	E	E							U											E
	CNT	13	11	20	22	25	24	120 16	115 23	115 22	115 20	115 15	110 10	110 4	115 7	115 20	120 23	120 26	125 22						11
foEs	MED	20	20	18	20	17	24	30	G	G	G	G	G	G											
	CNT	22	25	25	25	27	26	24	25	24	270	26	19	16	30 17	41 22	37 26	33 27	29 27	28 18	26 18	31 11	22 12	27 13	23 23

SWEEP 1.25 MC TO 20.0 MC. OCTOBER, 1959

TABLE 92

SYOWA BASE, ANTARCTICA (69.0S, 39.6E) 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
foF2	MED	37	42	46	48	52	55	56	70	76	80	83	85	84	80	83	90	86	76	79	75	64	55	46	45
	CNT	13	11	18	10	20	19	19	21	18	20	22	21	24	24	22	24	26	28	25	27	26	21	20	16
	UQ	55	44	50	50	58	63	70	74	85	87	90	92	94	95	96	100	96	88	88	82	83	66	59	60
	LQ	32	40	40	43	46	49	45	57	60	61	62	60	60	62	65	79	74	64	55	51	46	44	34	42
h'F2	MED					450	485	440	425	450	405	420	475	485	415	410	415	400	495						
	CNT					1	2	8	17	15	17	17	13	14	14	7	8	5	1						
	UQ																								
	LQ																								
h'F	MED	320	420	430	420	385	400	370	285	250	240	250	255	240	250	240	260	250	265	260	260	270	290	295	310
	CNT	15	13	19	21	23	21	19	20	17	19	18	20	18	22	19	23	26	29	26	28	26	24	22	17
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED						380	400	420	440	460	480	460	480	480	480	480	420	420						
	CNT						1	8	13	10	13	14	9	9	10	4	7	4	1						
foE	MED	260	300	290	255	250	300	255	290	290	300	320	325	340	330	310	310	285	270	260	250	270	275	305	300
	CNT	9	6	7	4	5	9	9	12	13	14	7	5	5	8	6	7	10	10	7	8	8	4	4	10
h'E	MED	130	125	130	130	130	125	125	115	110	110	110	105	105	105	110	105	110	115	145	135	130	130	120	130
	CNT	9	7	7	4	4	9	9	12	13	14	8	4	5	9	6	8	12	10	7	7	7	4	5	10
foEs	MED	30	32	37	32	37	G	G	G	G	G	G	G	G	G	G	G	G	G	G					
	CNT	22	23	23	24	18	17	20	17	19	160	9	5	5	9	7	8	13	15	13	30 16	27 15	34 15	34 20	30 22

SWEEP 1.0 MC TO 20.0 MC IN 20 SECONDS. OCTOBER, 1959

TABLE 93

GRAZ, 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
foF2	MED	U 59	U 58	U 56	U 54	U 54	U 52	55	66	U 76	85	91	92	94	94	95	94	93	93	87	88	84	U 69	64	U 60
	CNT	20	24	15	20	16	19	26	24	27	25	27	26	25	25	24	25	22	20	17	20	21	14	18	20
	UQ	67	64	66	56	56	56	60	70	82	90	95	103	106	108	104	103	100	99	94	91	88	78	67	66
	LQ	55	51	51	51	49	48	51	57	68	71	75	79	84	89	91	86	85	85	86	84	77	61	60	54
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 2.0 MC TO 18.0 MC IN 50 SECONDS. SEPTEMBER, 1959

TABLE 94

SYOWA BASE, ANTARCTICA (69.0S, 39.6E) 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
foF2	MED	36	43	54	48	50	46	48	54	60	66	67	71	78	89	93	96	104	101	102	68	44	38	30	35
	CNT	7	6	4	15	19	14	12	12	16	17	19	18	18	18	21	26	24	25	26	25	18	14	11	7
	UQ	38	46	68	51	52	50	52	58	63	70	76	86	99	99	104	105	108	106	100	88	63	43	47	51
	LQ	32	28	50	39	44	43	46	46	53	58	58	59	67	81	74	83	83	70	71	50	40	34	27	23
h'F2	MED												E												
	CNT							500	510	570	580	460	520	645		460	420	480	450						
	UQ							1	3	2	2	1	3	3		2	1	2	1						
	LQ																								
h'F	MED	490	450	350	415	470	445	430	420	430	290	260	300	255	265	265	260	260	250	265	260	295	350	310	330
	CNT	8	13	11	18	22	17	15	11	13	17	16	14	15	16	23	27	27	27	27	27	21	18	13	11
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED												U												
	CNT								370		420		430	400	420	420	420								
	UQ								1		1		1	1	1	2	1								
foE	MED	285	300	340	270	270	240	295	290	300	280	300	280	300	290		280	250	215	215	220	290	290	340	305
	CNT	8	7	3	6	7	1	3	6	7	5	6	4	3	1		2	6	3	4	7	6	9	10	8
h'E	MED	120	120	125	125	130	115	115	120	110	130	110	125	120	110	110	120	130	180	170	145	160	115	120	120
	CNT	8	7	3	7	7	1	3	6	6	6	7	2	2	3	1	3	5	3	3	7	6	10	10	8
foEs	MED	52	47	46	39	43	38	36	38	37	30	G	G	G	G	G	G	G	G	G	24	31	G	G	40
	CNT	28	24	21	25	25	22	16	19	18	140	8	4	4	4	2	4	8	4	8	11	14	22	27	27

SWEEP 1.0 MC TO 20.0 MC IN 20 SECONDS. SEPTEMBER, 1959

TABLE 95

SYOWA BASE, ANTARCTICA (69.0S, 39.6E) 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
foF2	MED	35	37	39	40	47	37	44	43	46	56	67	80	90	97	100	100	100	90	84	60	36	30	23	23
	CNT	3	7	4	7	9	8	16	13	16	16	17	18	22	24	25	28	27	25	24	22	13	9	9	5
	UQ	42	41	48	46	52	46	52	50	54	61	80	86	98	105	110	104	113	105	96	68	44	38	30	29
	LQ	26	30	33	36	39	36	42	41	41	51	60	73	77	81	90	76	87	76	76	38	28	23	19	16
h'F2	MED																570								
	CNT																1								
	UQ																								
	LQ																								
h'F	MED	315	345	380	410	400	440	430	400	370	290	270	255	260	250	250	260	240	250	240	255	260	270	330	300
	CNT	6	12	9	7	9	14	17	19	17	16	17	18	23	25	28	29	30	29	29	28	16	11	11	7
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED														360										
	CNT														1										
foE	MED	290	300	300	280	320	250	290	260	200	225	235		230	260	180		160	200	260	240	300	300	330	270
	CNT	19	15	15	10	14	5	5	10	4	4	2		1	1	1		1	1	3	4	7	7	11	22
h'E	MED	110	110	115	115	115	115	110	110	125	E 180	E 170		125	125	140		110	140	110	110	120	120	120	115
	CNT	19	15	15	10	14	5	4	8	2	4	2		1	2	1		2	1	3	4	7	6	11	22
foEs	MED	33	38	36	40	40	40	40	34	38	34	G	37	G	G	G		24	G	G	29	G	G	G	29
	CNT	27	26	26	22	26	20	24	23	16	100	4	1	1	3	2		5	1	4	7	12	17	21	27

SWEEP 1.0 MC TO 20.0 MC IN 20 SECONDS. AUGUST, 1959

TABLE 96

GRAZ, 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
foF2	MED	U 81	U 78	U 74	U 71	69	80	85	87	88	U 89	88	88	89	87	86	85	82	83	84	86	84	86	87	84
	CNT	17	22	14	19	18	18	24	25	24	21	19	17	20	22	23	21	23	19	21	20	17	14	14	16
	UQ	84	84	77	73	74	84	89	90	92	93	93	90	92	90	89	88	84	86	87	88	88	87	89	88
	LQ	74	75	71	61	60	62	78	73	78	79	79	73	81	77	75	71	69	70	71	76	71	82	83	77
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 2.0 MC TO 18.0 MC IN 50 SECONDS. JUNE, 1959

TABLE 97

GRAZ, 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
foF2	MED	U 83	U 77	U 70	U 67	U 66	U 76	D 83	D 89	D 89	D 90	U 94	U 94	U 93	95	U 94	U 92	U 93	90	U 88	U 89	U 88	U 89		U 86
	CNT	8	10	7	7	7	17	20	20	22	23	8	9	12	16	13	14	15	15	9	14	20	11		10
	UQ	85	77	71	67	73	80	88	90	90	94	95	96	98	99	103	94	94	93	90	90	89	89		89
	LQ	75	68	68	65	60	65	71	68	88	87	87	86	89	88	85	83	84	84	87	89	84	86		83
h'F2	MED																								
	CNT																								
	UD																								
	LD																								
h'F	MED																								
	CNT																								
	UD																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LD																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 2.0 MC TO 18.0 MC IN 50 SECONDS. MAY, 1959

TABLE 98

GRAZ, 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
foF2	MED	U 77	U 74	U 71	U 68	U 67	U 61	U 68	U 92	U 124							U 131	U 131				U 89	U 84	U 82	U 81
	CNT	6	12	13	8	9	9	8	9	12							7	9				18	17	14	6
	UQ	78	74	72	70	69	68	75	93	128							133	132				89	87	83	82
	LQ	72	71	65	64	61	58	63	75	95							127	128				86	79	78	74
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UD																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 2.0 MC TO 15.0 MC IN 50 SECONDS. OCTOBER, 1958

TABLE 99

GRAZ, 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
foF2	MED	U 82	U 79	U 78	U 70	U 71	U 72	U 80	U 88	U 90	U 101											U 89	U 90	U 89	U 89
	CNT	11	8	10	7	11	7	19	23	13	14											13	9	8	10
	UQ	84	87	83	77	73	77	86	89	93	114											89	93	90	90
	LQ	79	71	70	69	64	68	71	81	83	86											86	87	87	80
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 2.5 MC TO 21.0 MC IN 50 SECONDS. APRIL, 1958

TABLE 100

GRAZ, 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
foF2	MED	U 48	U 48	U 49	U 48	U 46	U 41	U 37	U 49												U 80	U 70	U 68	U 62	U 48
	CNT	13	14	16	16	22	21	19	13												17	15	12	13	11
	UQ	50	51	51	52	48	46	42	50												85	74	71	67	61
	LQ	45	43	45	43	43	35	33	47												74	61	63	50	44
h'F2	MED																								
	CNT																								
	UD																								
	LD																								
h'F	MED																								
	CNT																								
	UD																								
	LD																								
M(3000)F2	MED																								
	CNT																								
	UD																								
	LD																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 2.5 MC TO 21.0 MC IN 50 SECONDS. JANUARY, 1958

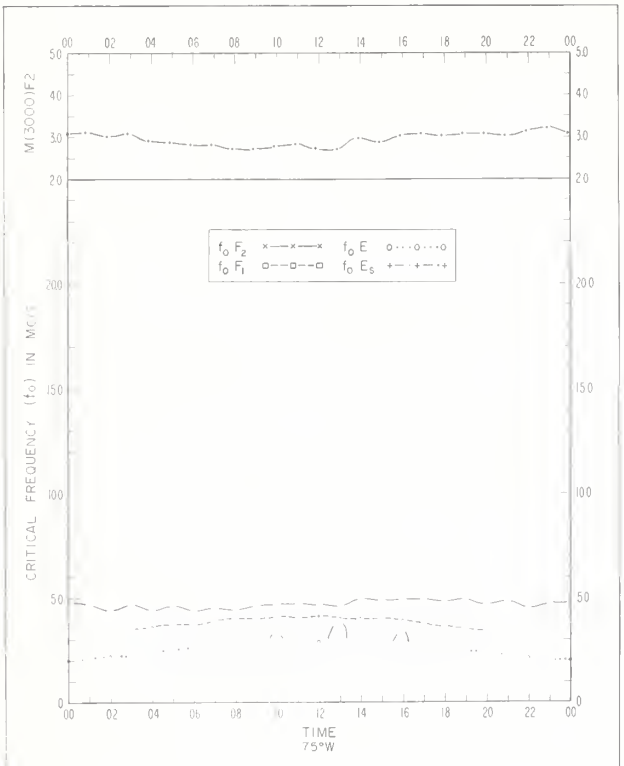

Fig 1 THULE, GREENLAND
76.0°N, 68.0°W JUNE 1962

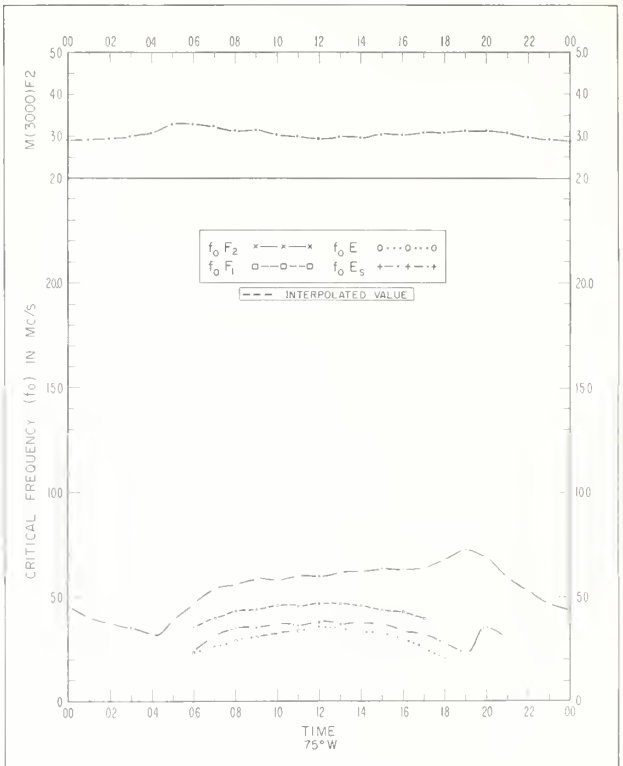

Fig 2. FT MONMOUTH, NEW JERSEY
40.4°N, 74.1°W MAY 1962

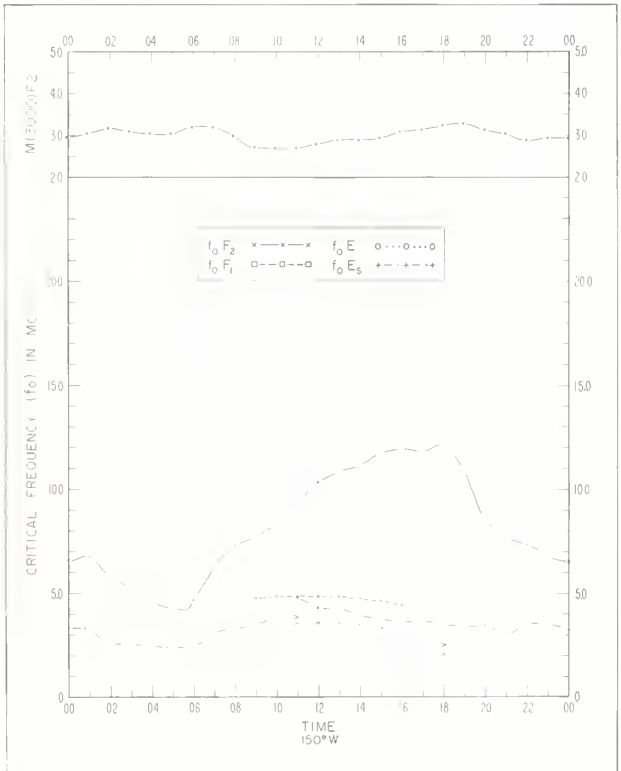

Fig. 3. MAUI, HAWAII
20.8°N, 156.5°W MAY 1962

STATION CODE MO YR

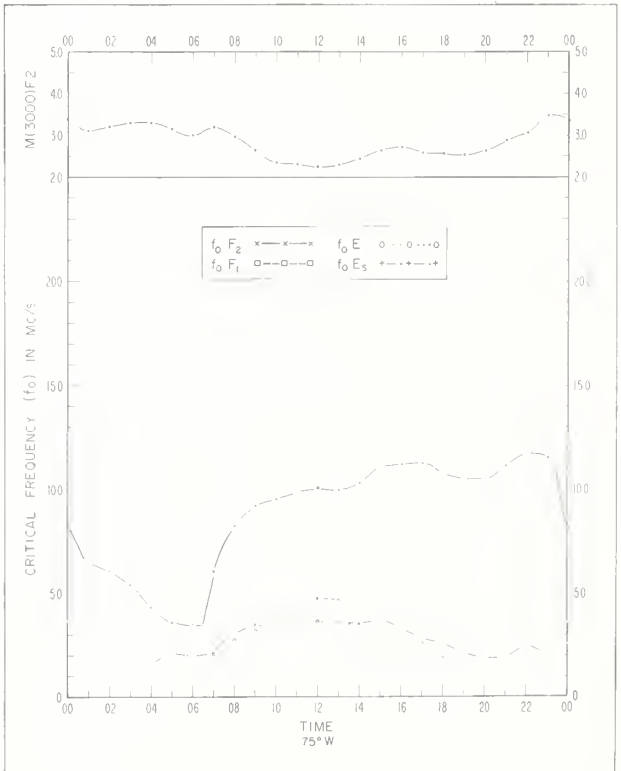

Fig 4 TALARA, PERU
4.6°S, 81.3°W APRIL 1962

STATION CODE MO. YR

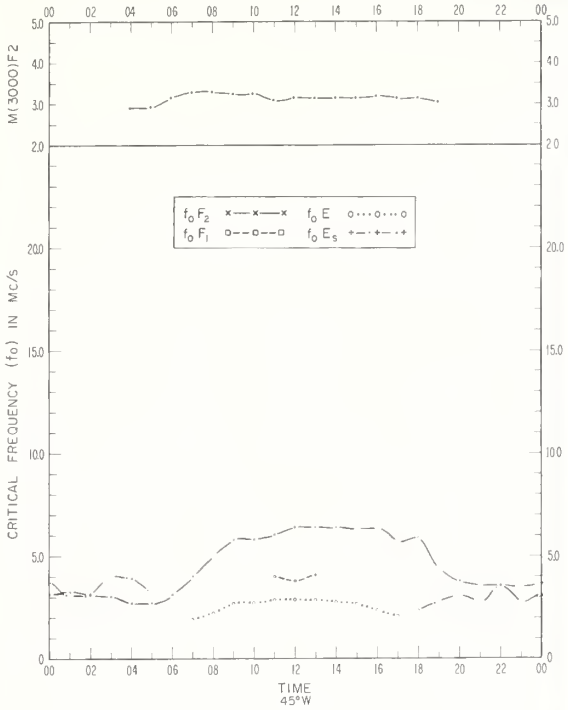

Fig. 5. NARSSARSSUAQ, GREENLAND
61.2°N, 45 4°W
MARCH 1962

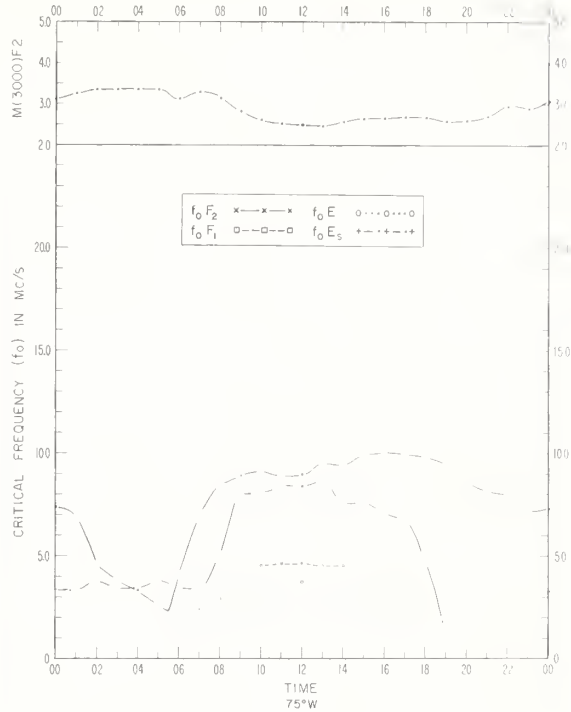

Fig 6. HUANCAYO, PERU
12.0° S, 75.3° W
FEBRUARY 1962

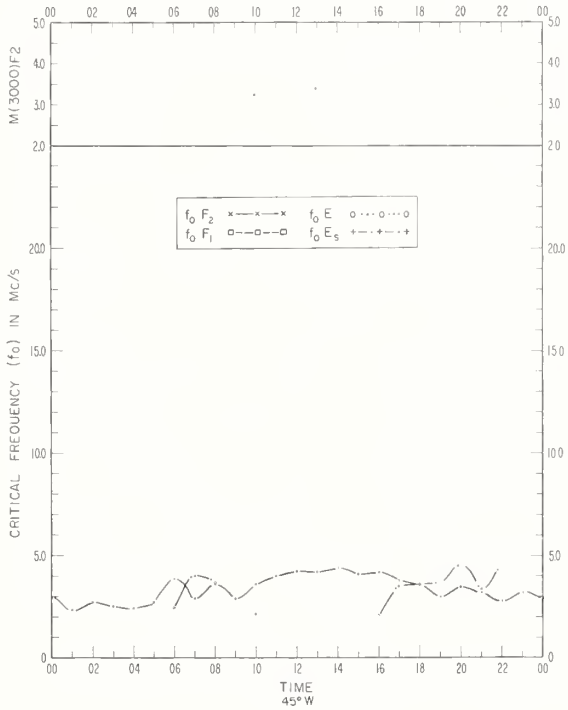

Fig. 7. GODHAVN, GREENLAND
69.3°N, 53.5°W
JANUARY 1962

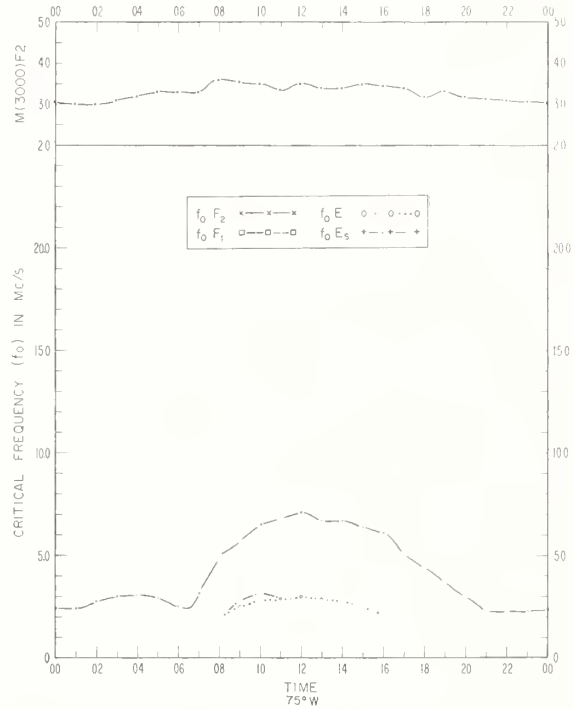

Fig. 8. FT. MONMOUTH, NEW JERSEY
40.4°N, 74.1°W
JANUARY 1962

STATION CODE MO. YR

STATION CODE MO YR

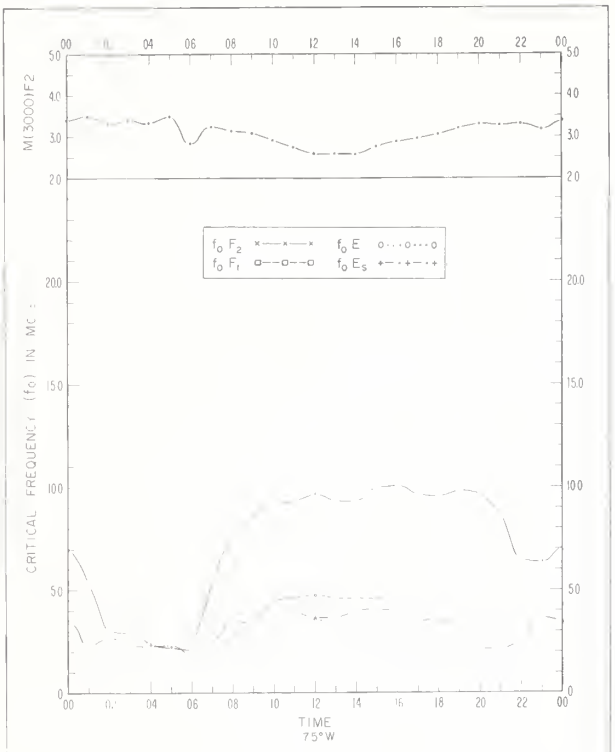

Fig 9. TALARA, PERU
46°S, 81.3°W
JANUARY 1962

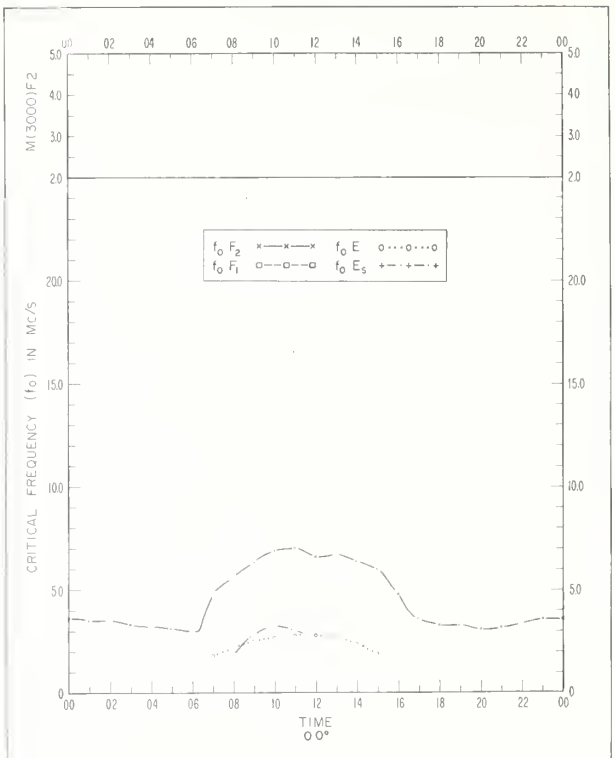

Fig 10. GENOA (MONTE CAPELLINO), ITALY
44.6°N, 9.0°E
DECEMBER 1961

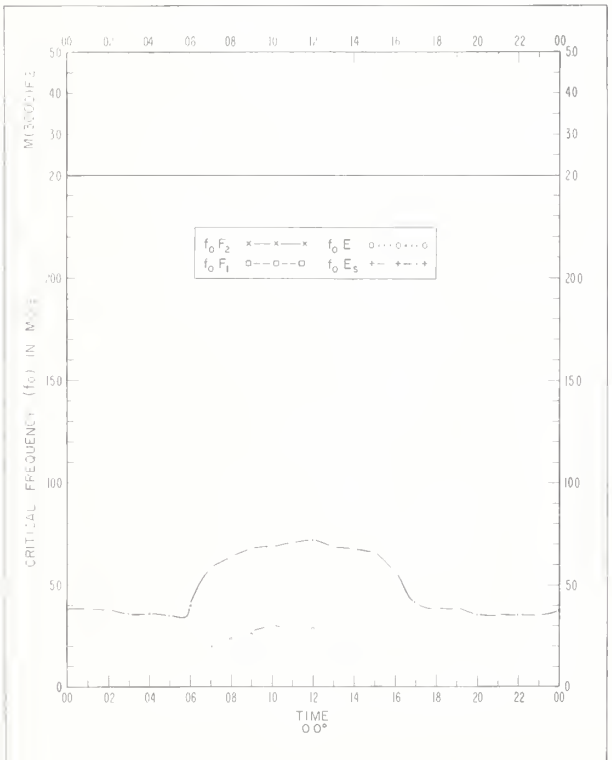

Fig 11 GENOA (MONTE CAPELLINO), ITALY
44 6°N, 9 0°E
NOVEMBER 1961

STATION CODE MO YR

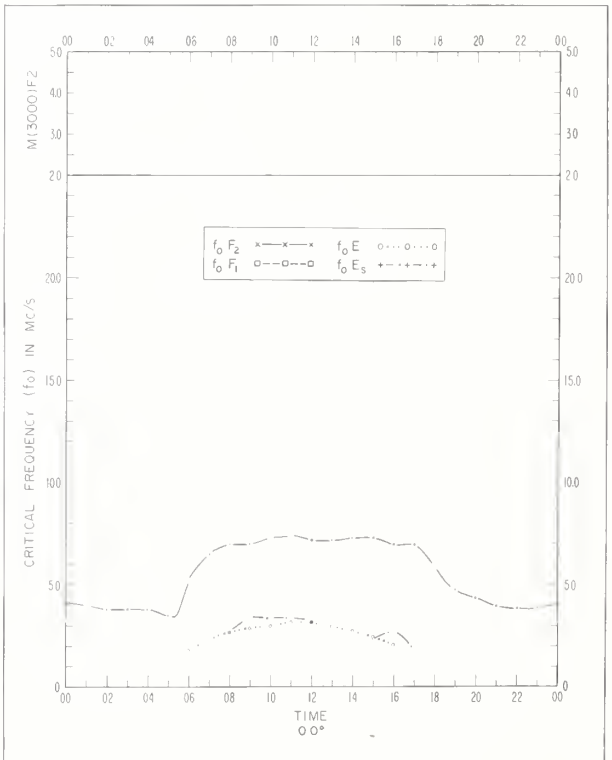

Fig 12 GENOA (MONTE CAPELLINO), ITALY
44 6°N, 9 0°E
OCTOBER 1961

STATION CODE MO YR

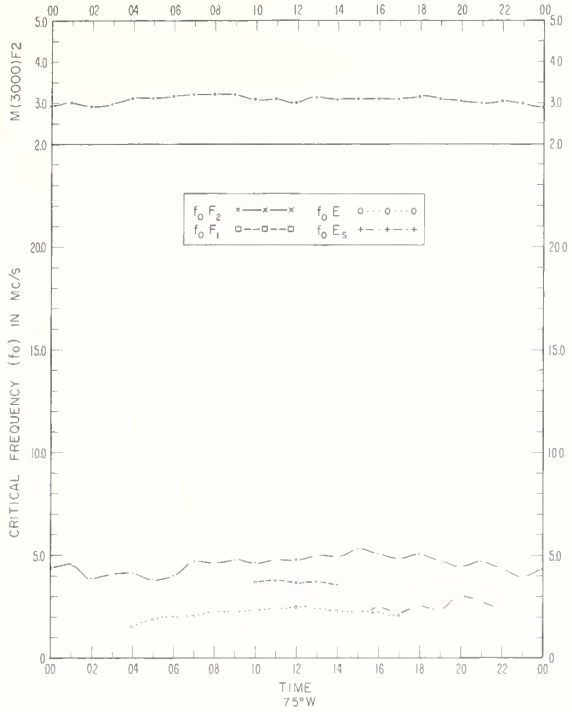

Fig 13. THULE, GREENLAND
76 0°N, 68 0°W
SEPTEMBER 1961

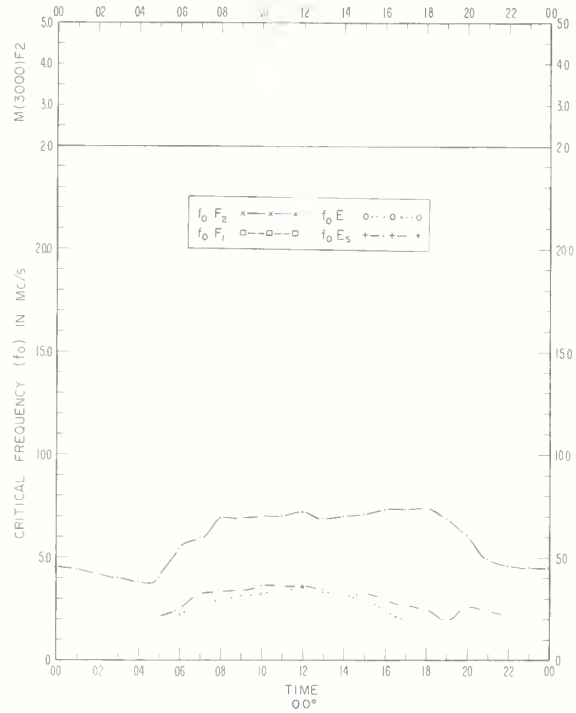

Fig 14 GENOA (MONTE CAPELLINO), ITALY
44 6°N, 9 0°E
SEPTEMBER 1961

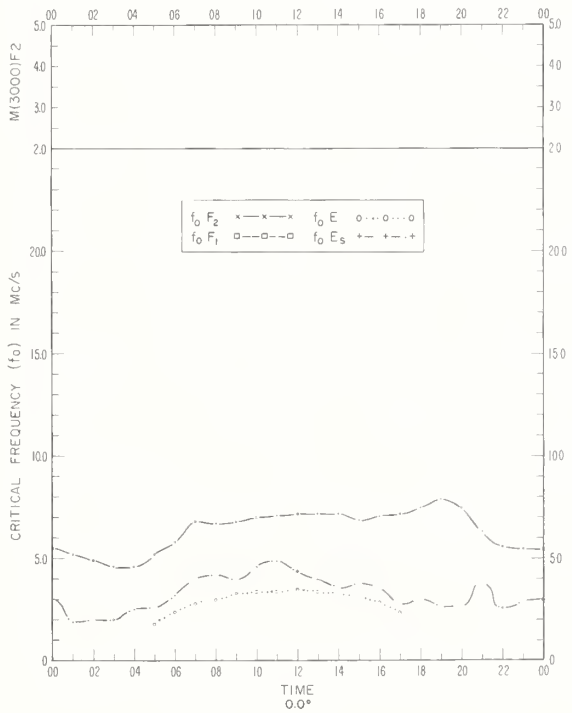

Fig 15. GENOA (MONTE CAPELLINO), ITALY
44 6°N, 9.0°E
AUGUST 1961

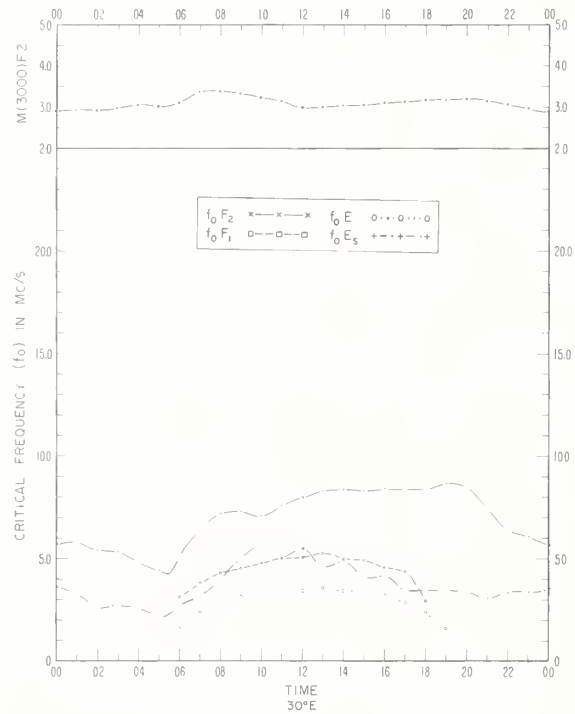

Fig. 16. ATHENS, GREECE
38.0°N, 23.6°E
AUGUST 1961

STATION CODE MO YR

STATION CODE MO. YR

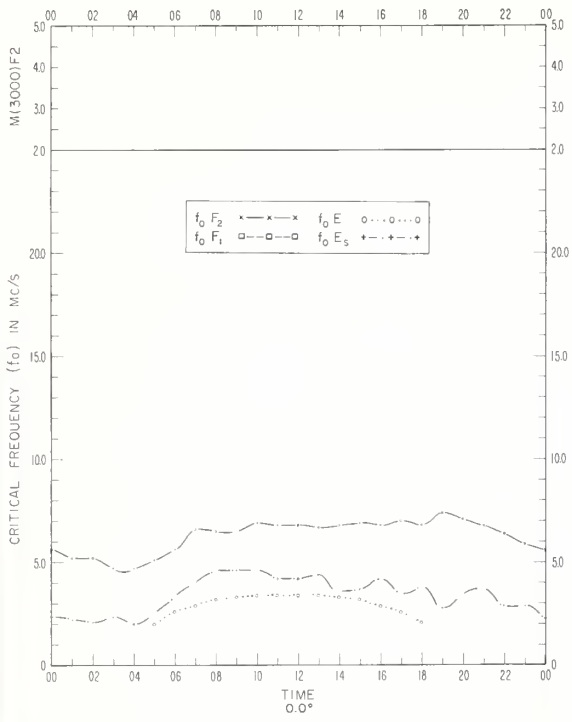

Fig 17 GENOA (MONTE CAPELLINO), ITALY
44 6°N, 9 0°E
JULY 1961

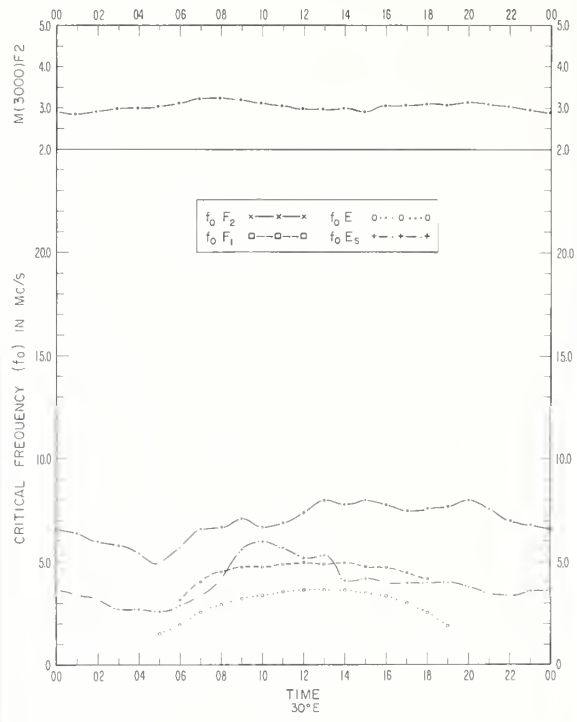

Fig 18 ATHENS, GREECE
38 0°N, 23 6° E
JULY 1961

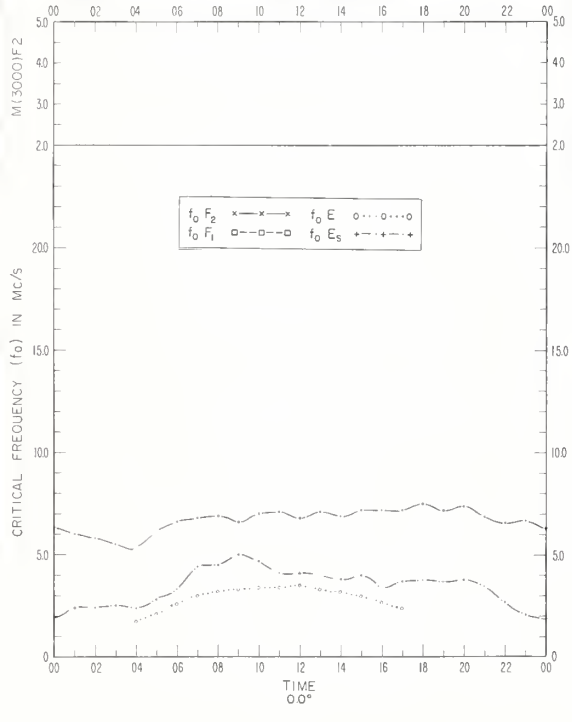

Fig 19 GENOA (MONTE CAPELLINO), ITALY
44 6°N, 9.0°E
JUNE 1961

STATION CODE MO YR

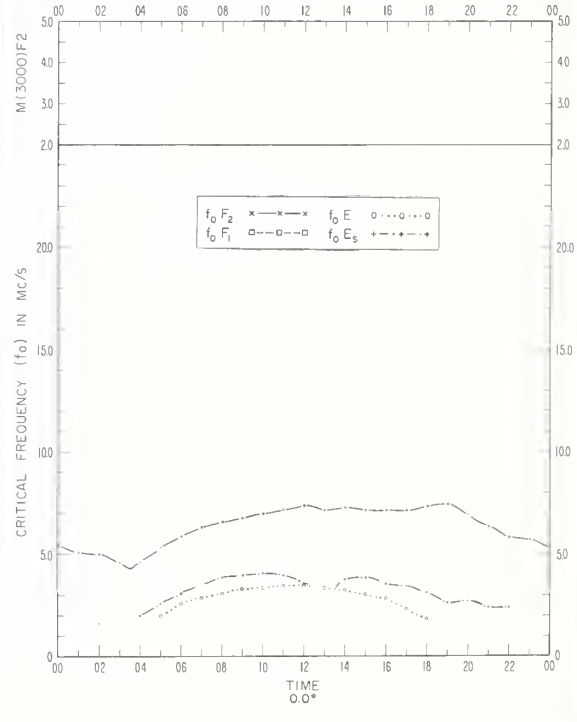

Fig 20. GENOA (MONTE CAPELLINO), ITALY
44 .6°N, 9 0°E
MAY 1961

STATION CODE MO. YR

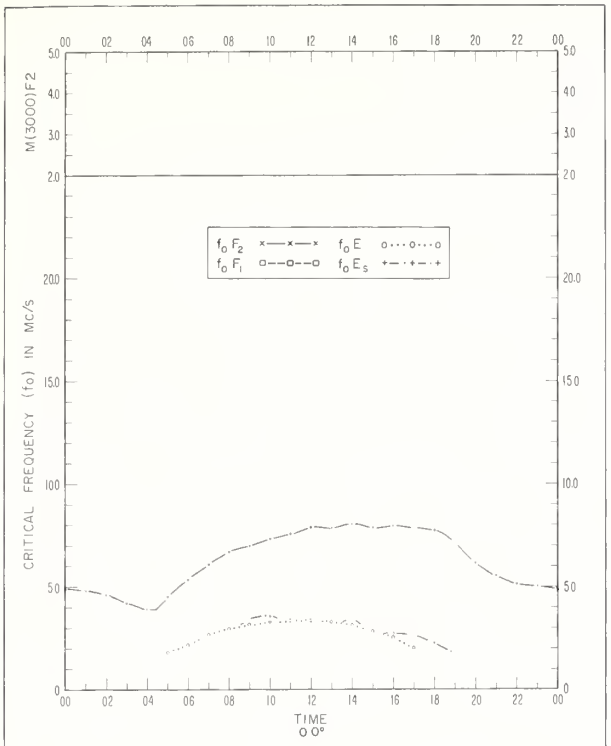

Fig 21. GENOA (MONTE CAPELLINO), ITALY
44.6°N, 9.0°E APRIL 1961

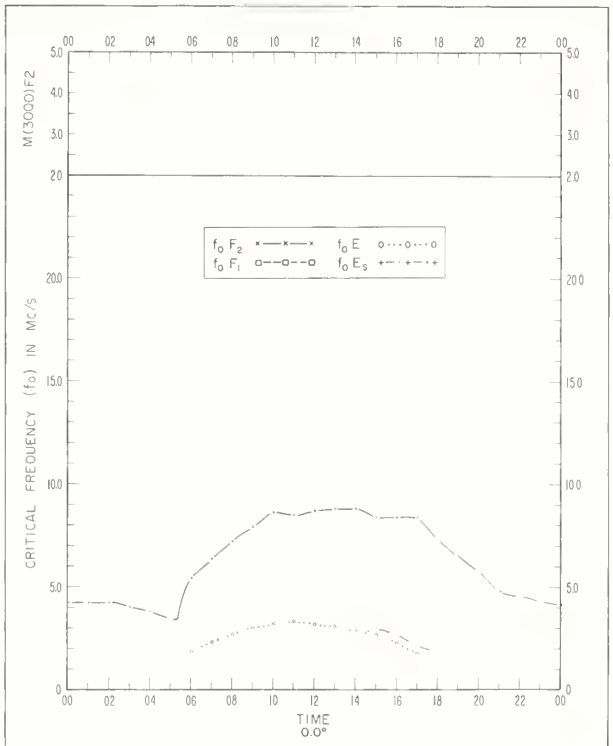

Fig 22 GENOA (MONTE CAPELLINO), ITALY
44.6°N, 9.0°E MARCH 1961

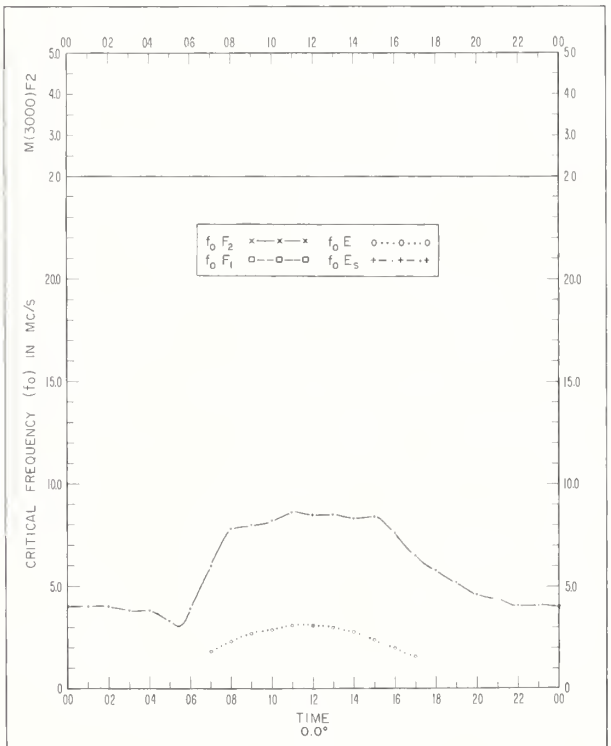

Fig 23. GENOA (MONTE CAPELLINO), ITALY
44.6°N, 9.0°E FEBRUARY 1961

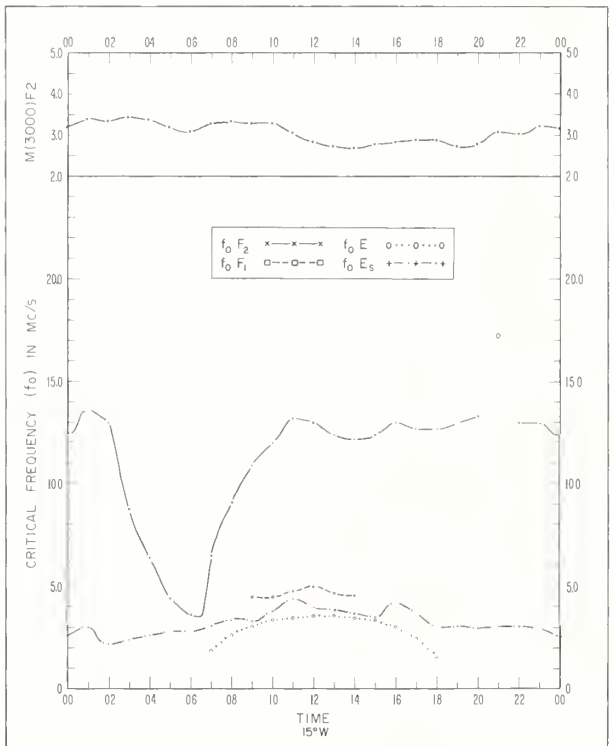

Fig. 24 DAKAR, SENEGAL
14.8°N, 17.4°W FEBRUARY 1961

STATION CODE MO. YR

STATION CODE MO YR

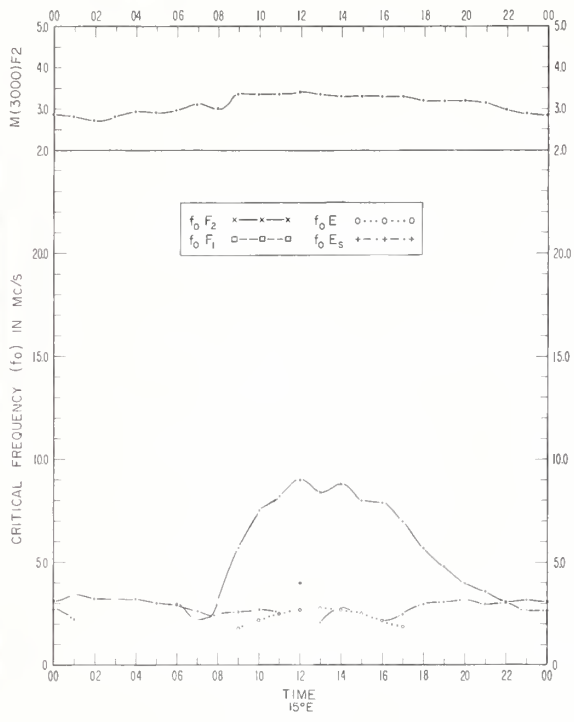

Fig 25. PARIS, FRANCE
48.1°N, 2.3°E
JANUARY 1961

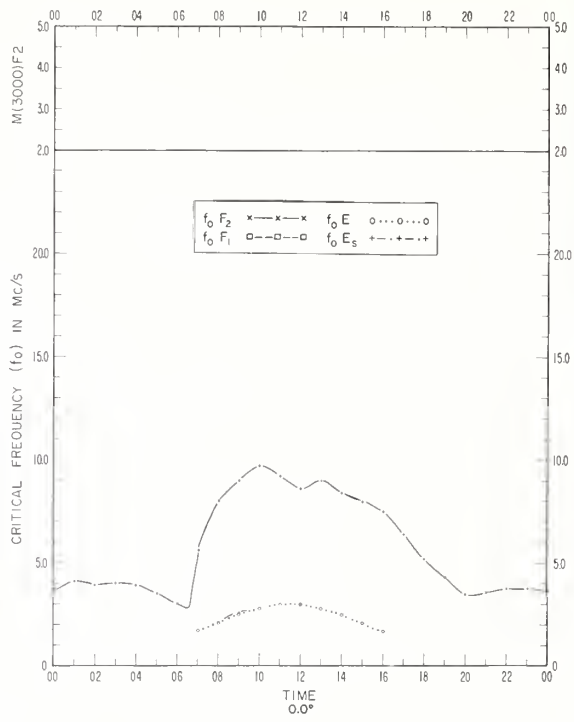

Fig 26. GENOA (MONTE CAPELLINO), ITALY
44.6°N, 9.0°E
JANUARY 1961

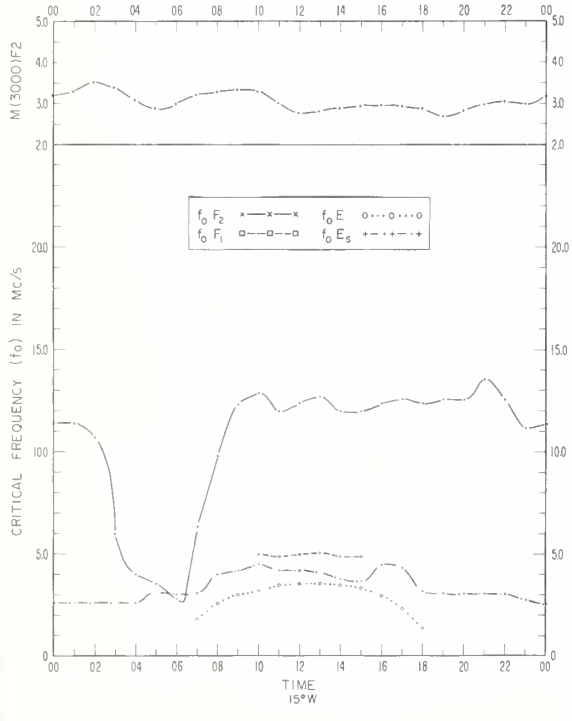

Fig 27 DAKAR, SENEGAL
14.8°N, 17.4°W
JANUARY 1961

STATION CODE MO YR

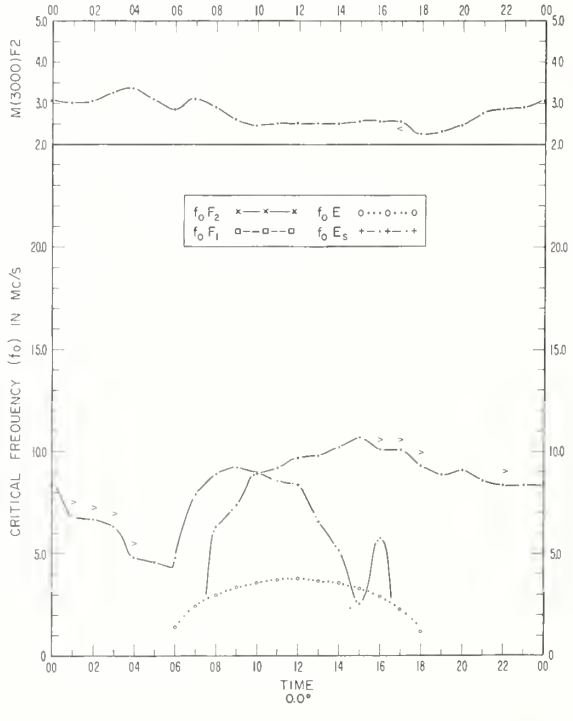

Fig 28 IBADAN, NIGERIA
7.4°N, 3.9°E
JANUARY 1961

STATION CODE MO. YR

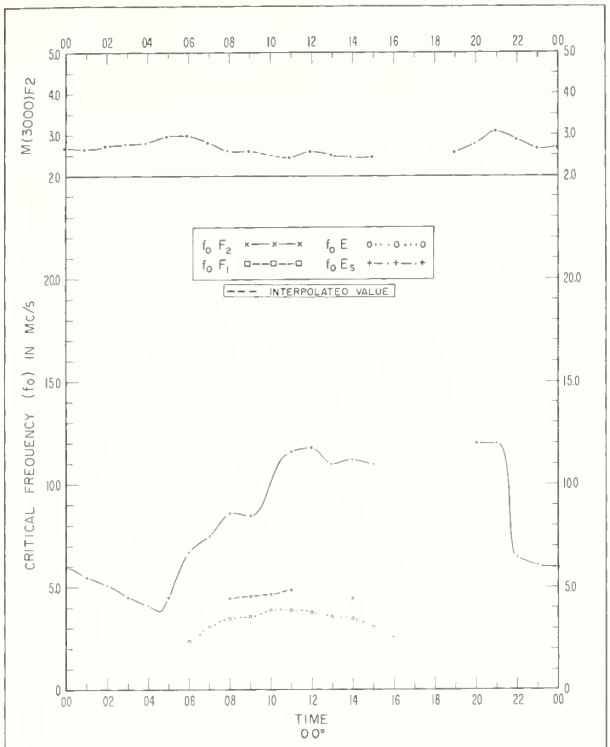

Fig. 29. LEOPOLDVILLE, CONGO
4 4°S, 15.2°E JANUARY 1961

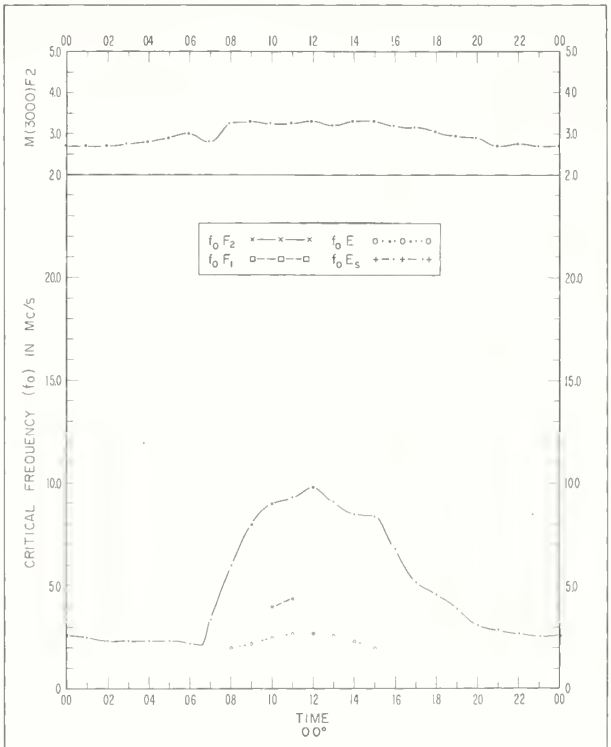

Fig 30. DE BILT, NETHERLANDS
52.1° N, 5.2° E DECEMBER 1960

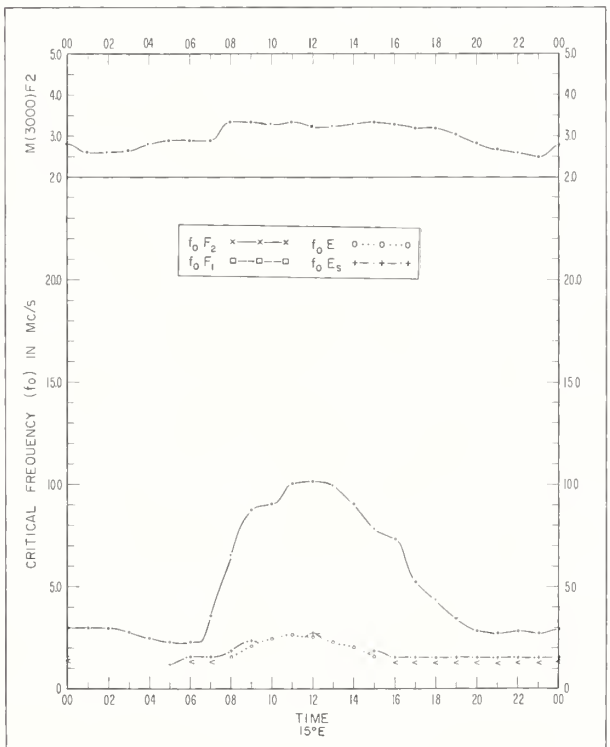

Fig. 31. WARSAW, POLAND
52.2° N, 21.2° E DECEMBER 1960

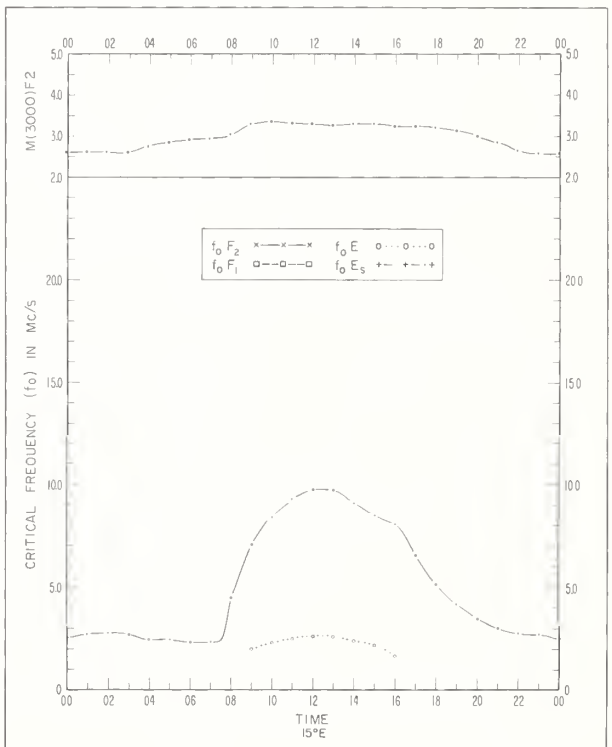

Fig. 32. LINDAU/HARZ, GERMANY
51.6° N, 10.1° E DECEMBER 1960

STATION CODE MO YR

STATION CODE MO YR

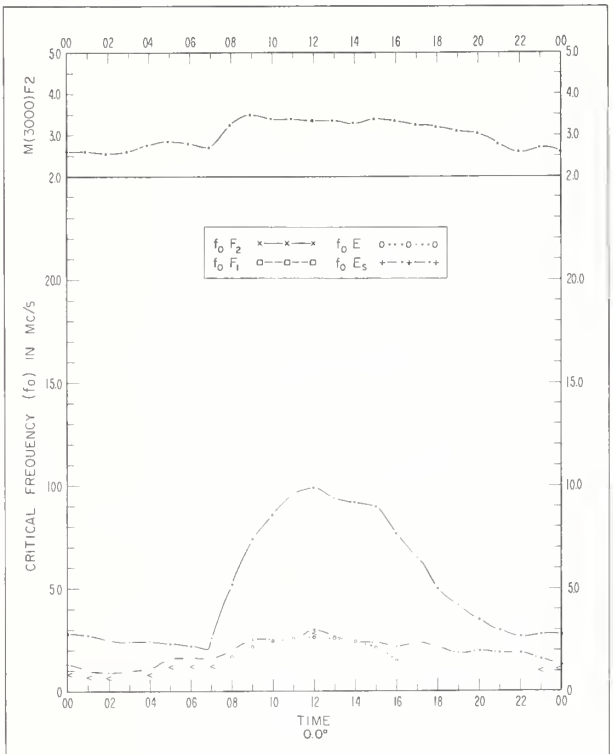

Fig. 33. SLOUGH, ENGLAND
51 5°N, 0 6°W DECEMBER 1960

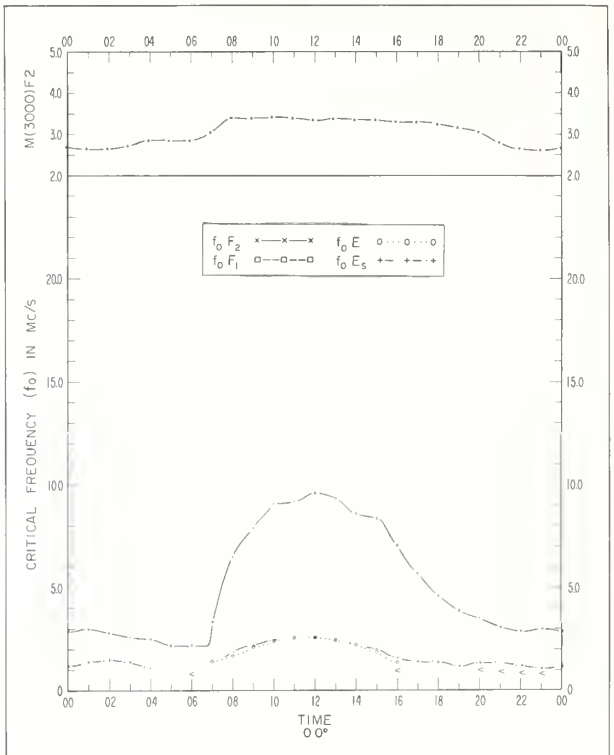

Fig. 34. DOURBES, BELGIUM
50.1°N, 4.6°E DECEMBER 1960

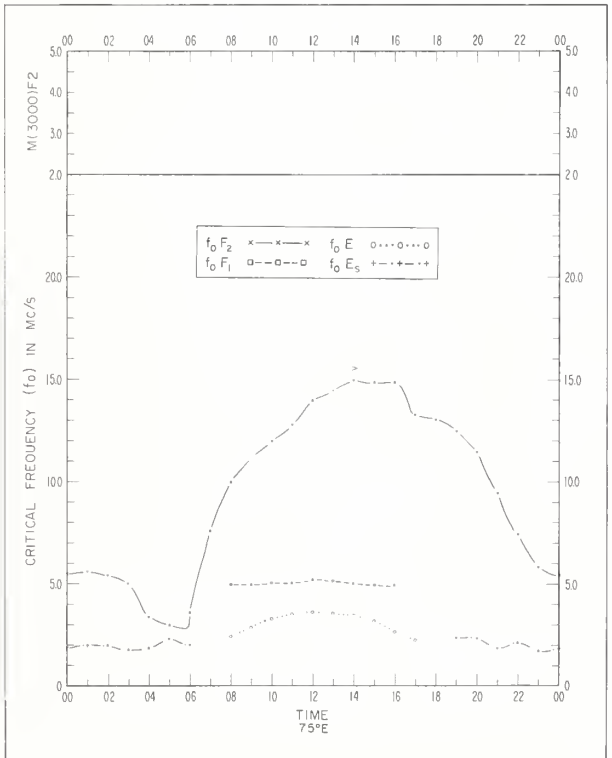

Fig 35. AHMEDABAD, INDIA
23.0°N, 72.6°E DECEMBER 1960

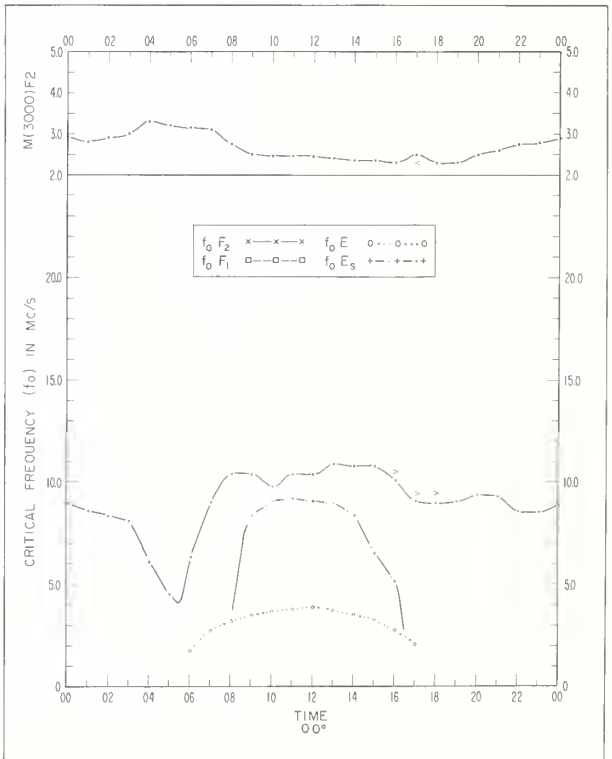

Fig. 36 IBADAN, NIGERIA
7.4°N, 3.9°E DECEMBER 1960

STATION CODE MO. YR

STATION CODE MO. YR

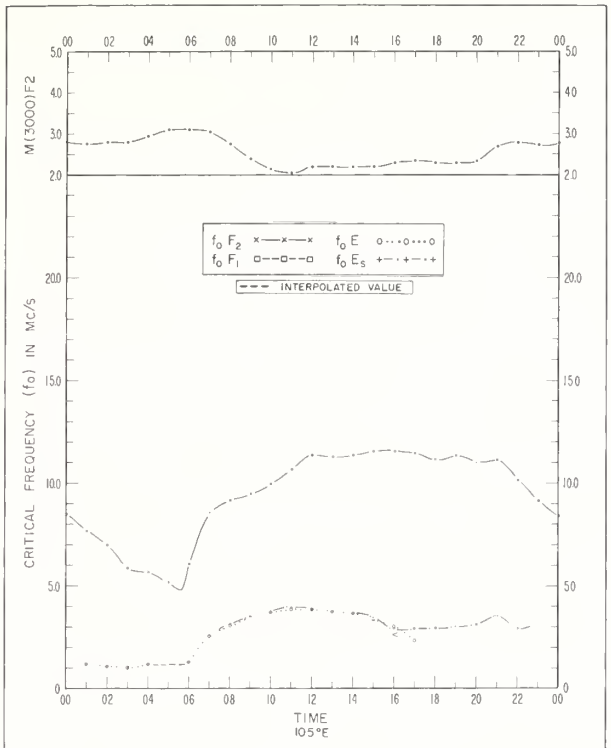

Fig. 37. SINGAPORE, BRITISH MALAYA
1.3° N, 103.8° E
DECEMBER 1960

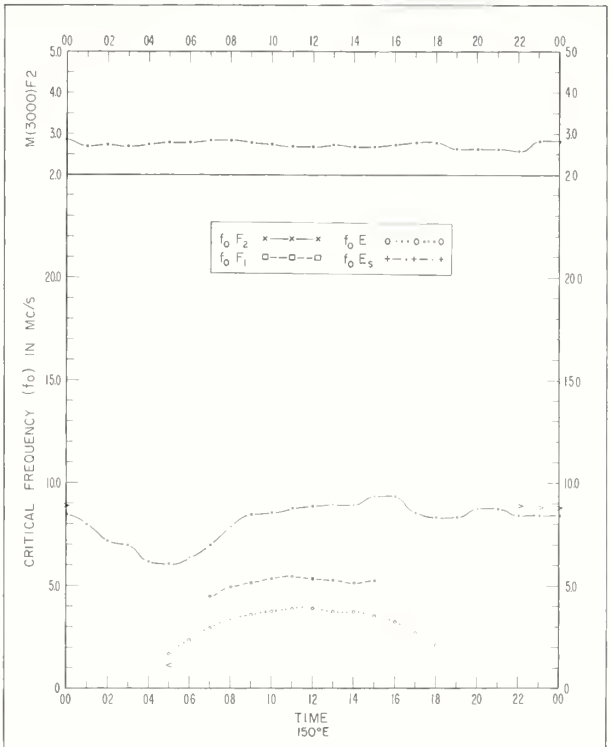

Fig. 38 BRISBANE, AUSTRALIA
27.5° S, 152.9° E
DECEMBER 1960

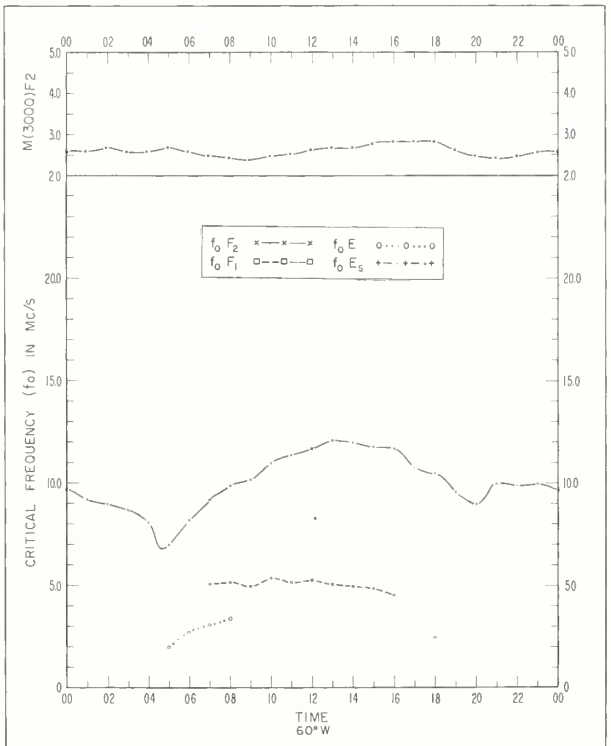

Fig 39. BUENOS AIRES, ARGENTINA
34.5°S, 58.5°W
DECEMBER 1960

STATION CODE MO. YR

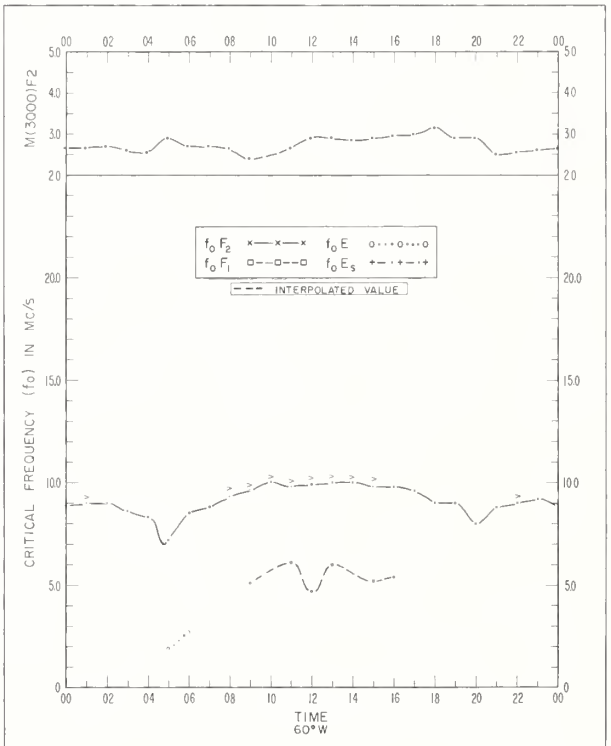

Fig. 40. TRELEW, ARGENTINA
43.2°S, 65.3°W
DECEMBER 1960

STATION CODE MO YR

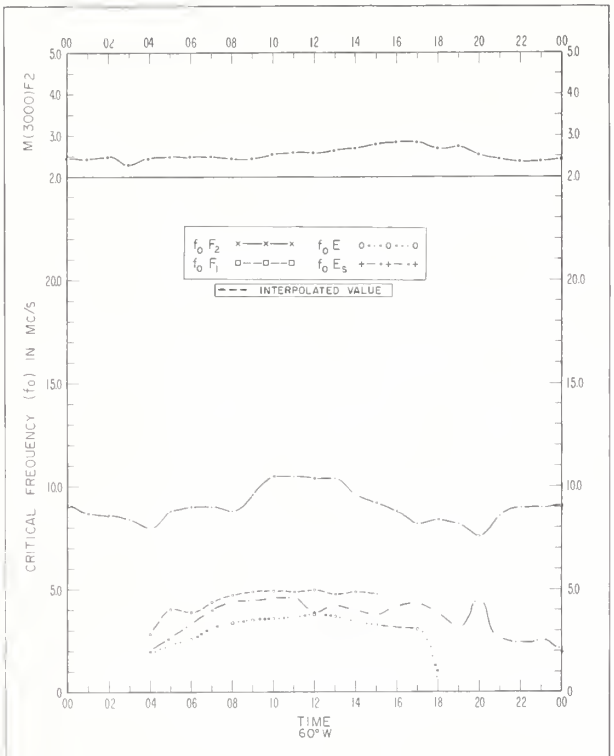

Fig. 41. FALKLAND IS
51.7°S, 57.8°W DECEMBER 1960

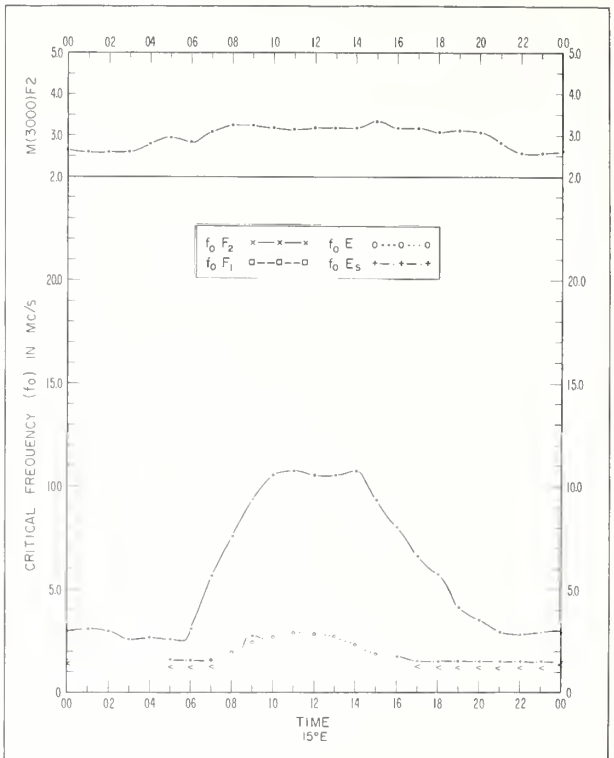

Fig 42. WARSAW, POLAND
52.2°N, 21.2°E NOVEMBER 1960

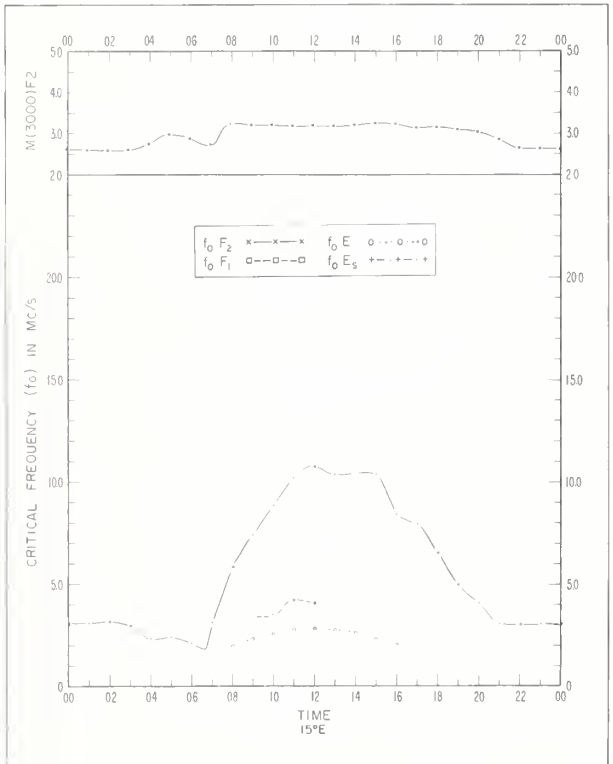

Fig 43. LINDAU/HARZ, GERMANY
51.6°N, 10.1°E NOVEMBER 1960

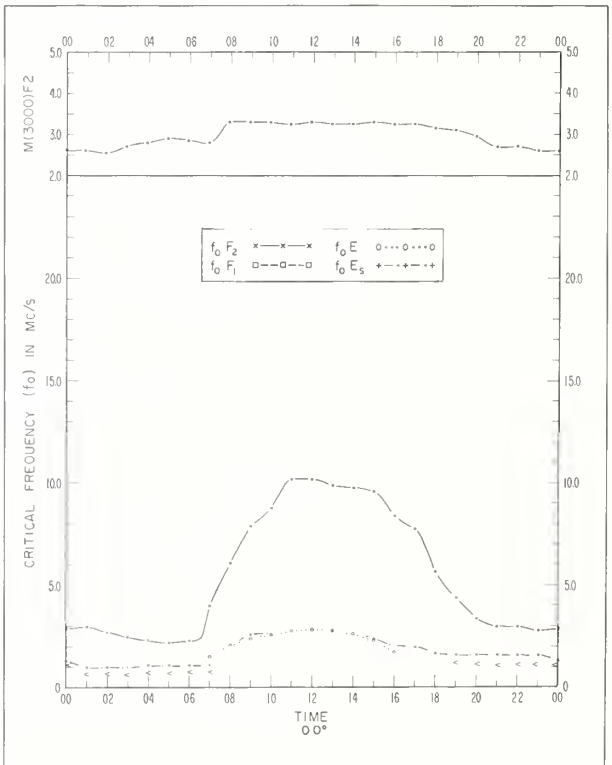

Fig.44. SLOUGH, ENGLAND
51.5°N, 0.6°W NOVEMBER 1960

STATION CODE MO YR

STATION CODE MO. YR

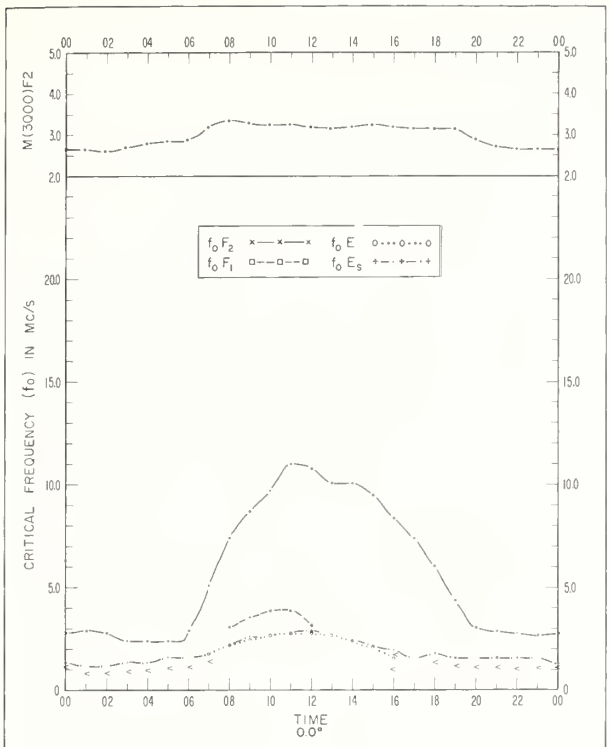

Fig. 45. DOURBES, BELGIUM
50.1°N, 4.6°E NOVEMBER 1960

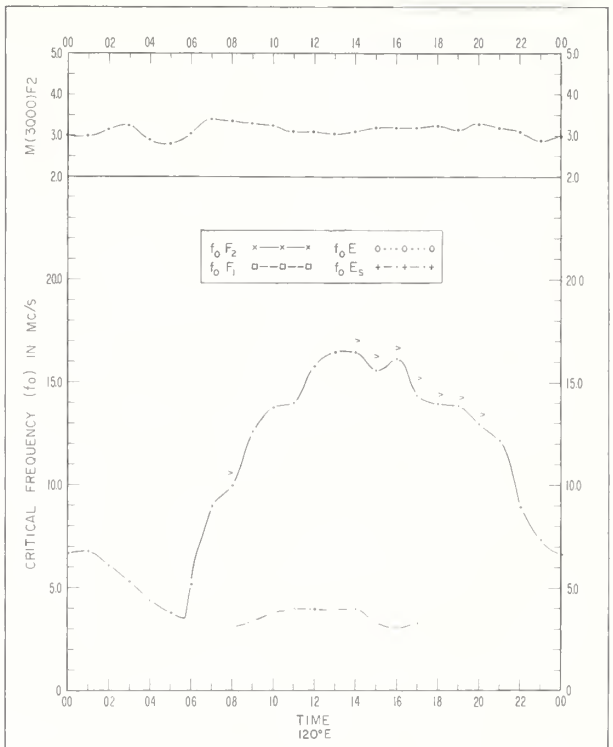

Fig 46 FORMOSA, CHINA
25.0°N, 121.5°E NOVEMBER 1960

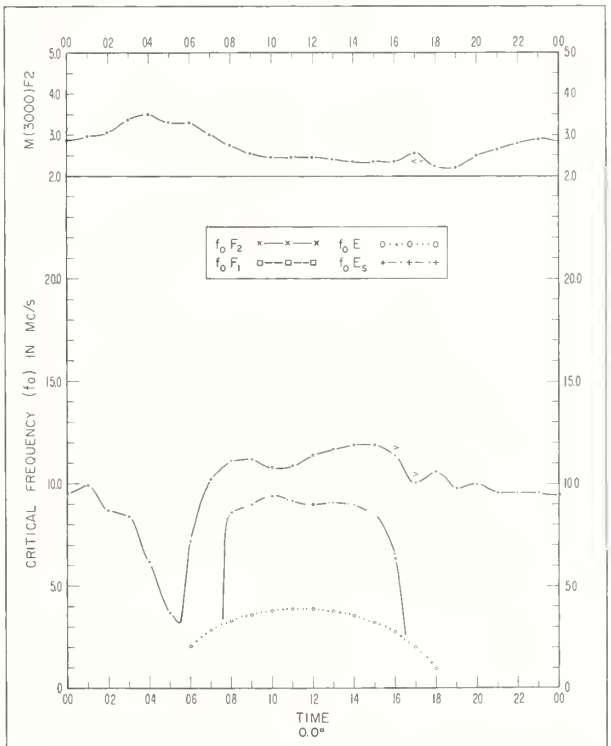

Fig 47. IBADAN, NIGERIA
7.4°N, 3.9°E NOVEMBER 1960

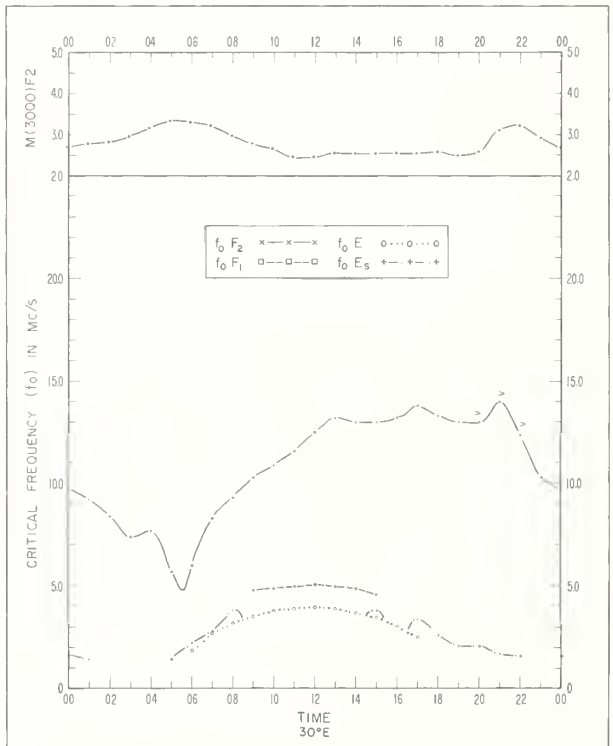

Fig 48. LWIRO, CONGO
2.3°S, 28.8°E NOVEMBER 1960

STATION CODE MO YR

STATION CODE MO. YR

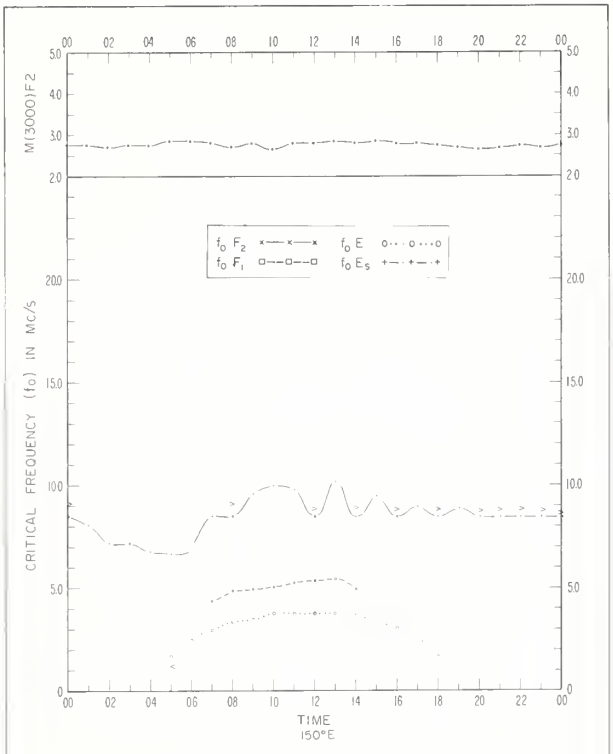

Fig. 49. BRISBANE, AUSTRALIA
27.5° S, 152.9° E
NOVEMBER 1960

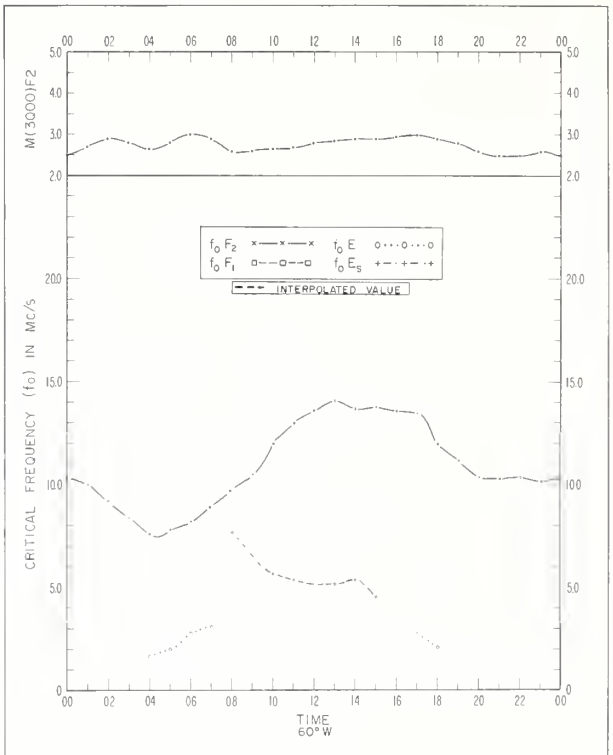

Fig. 50 BUENOS AIRES, ARGENTINA
34.5°S, 58.5°W
NOVEMBER 1960

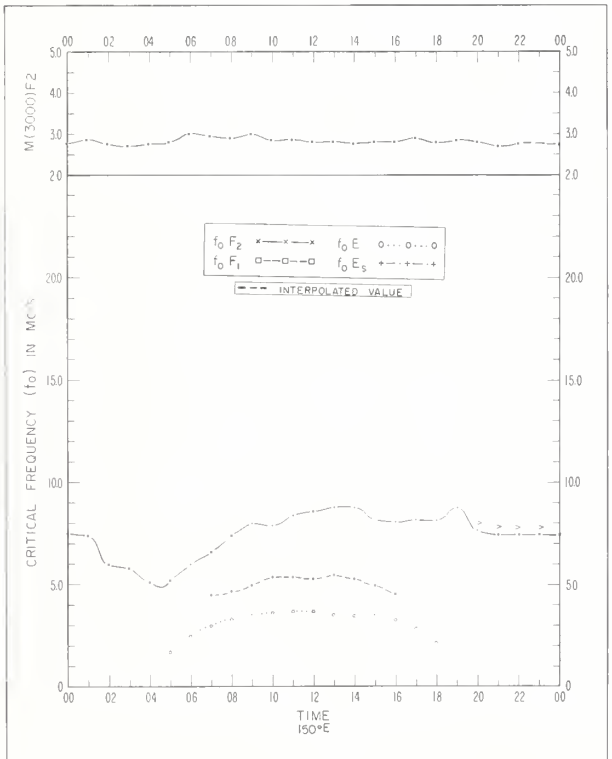

Fig. 51. CANBERRA, AUSTRALIA
35.3° S, 149.0° E
NOVEMBER 1960

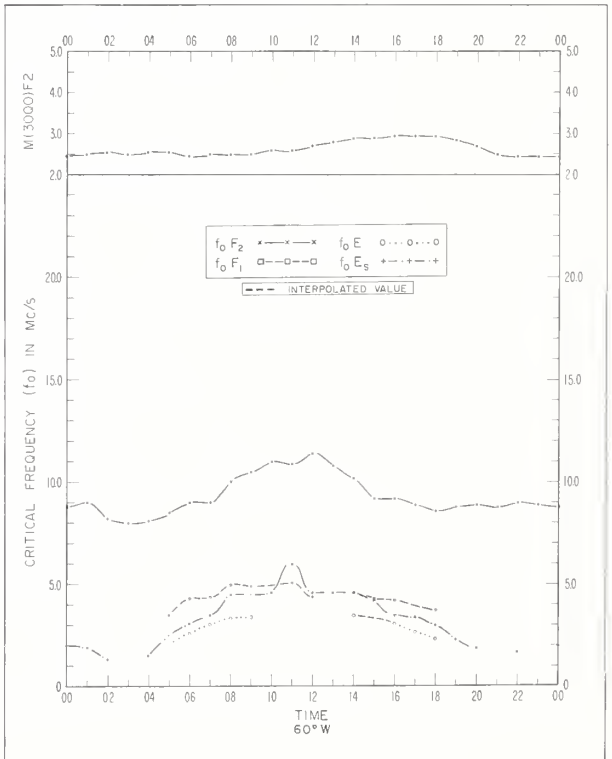

Fig 52. FALKLAND IS
51.7°S, 57.8°W
NOVEMBER 1960

STATION CODE MO. YR

STATION CODE MO. YR

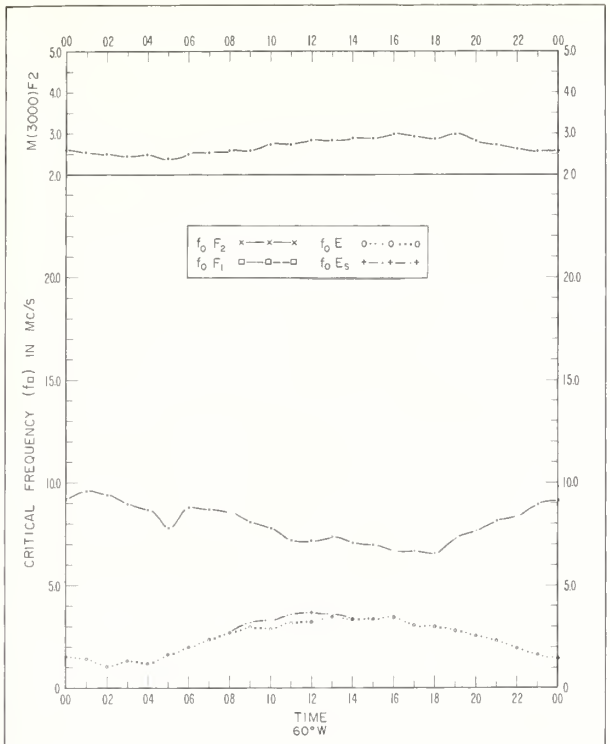

Fig. 53. PORT LOCKROY, ANTARCTICA
64.8°S, 63.5°W NOVEMBER 1960

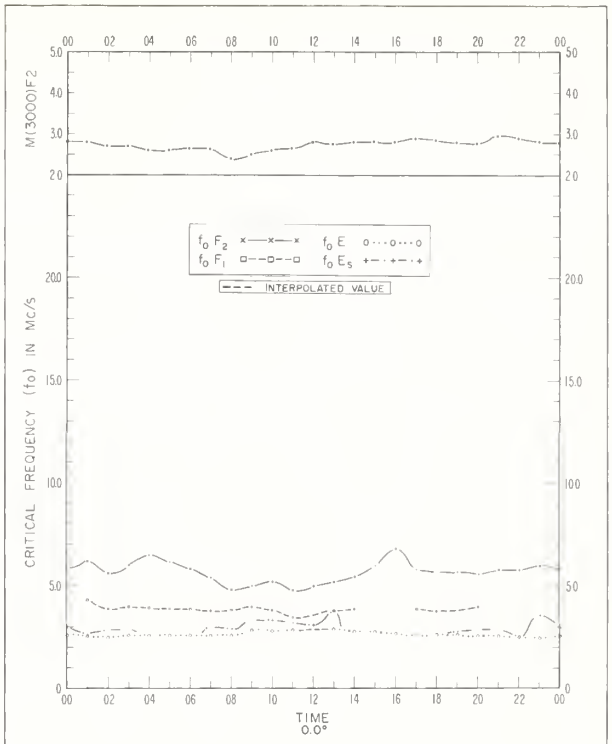

Fig 54 POLE STATION, ANTARCTICA
90.0°S NOVEMBER 1960

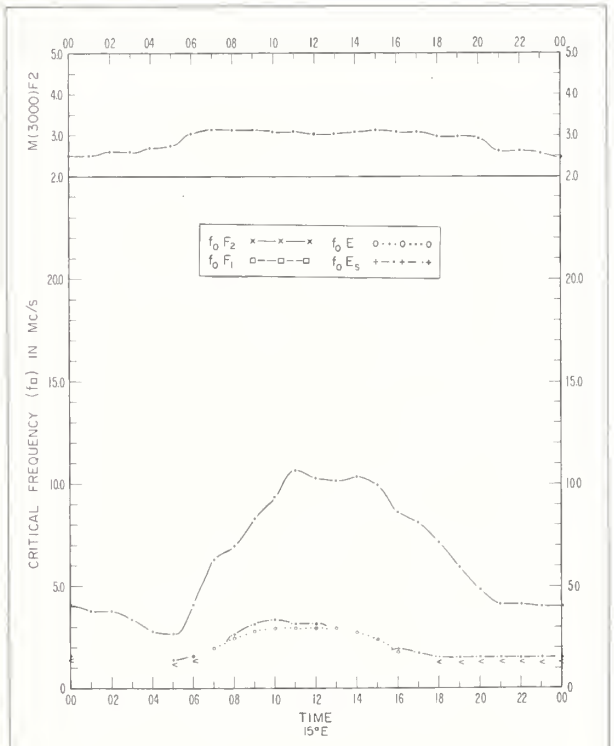

Fig. 55. WARSAW, POLAND
52.2°N, 21.2°E OCTOBER 1960

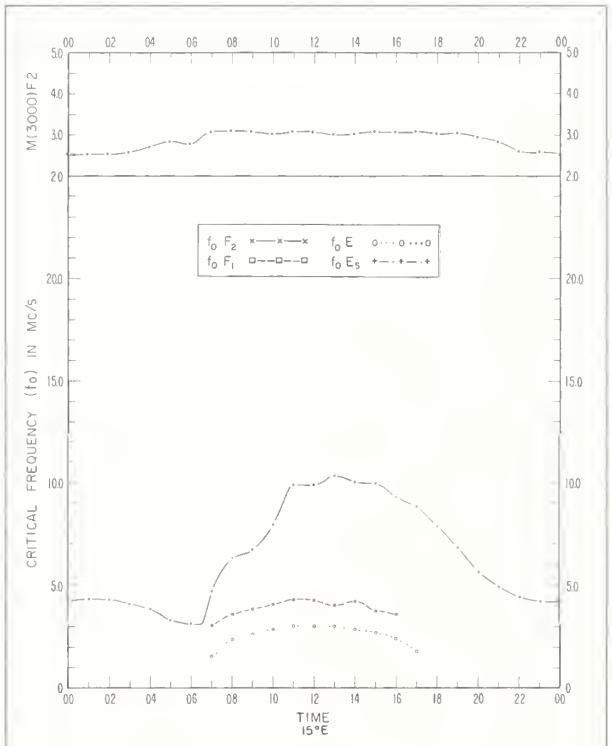

Fig 56. LINDAU/HARZ, GERMANY
51.6°N, 10.1°E OCTOBER 1960

STATION CODE MO. YR

STATION CODE MO. YR

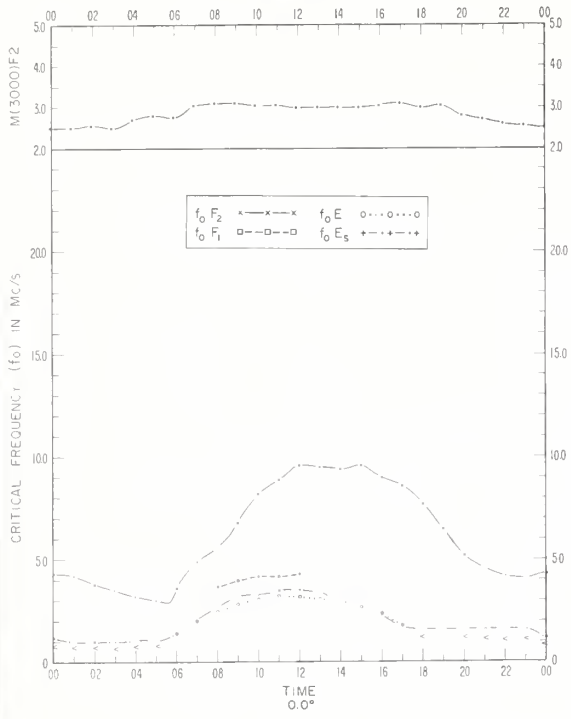

Fig 57 SLOUGH, ENGLAND
51.5°N, 0.6°W
OCTOBER 1960

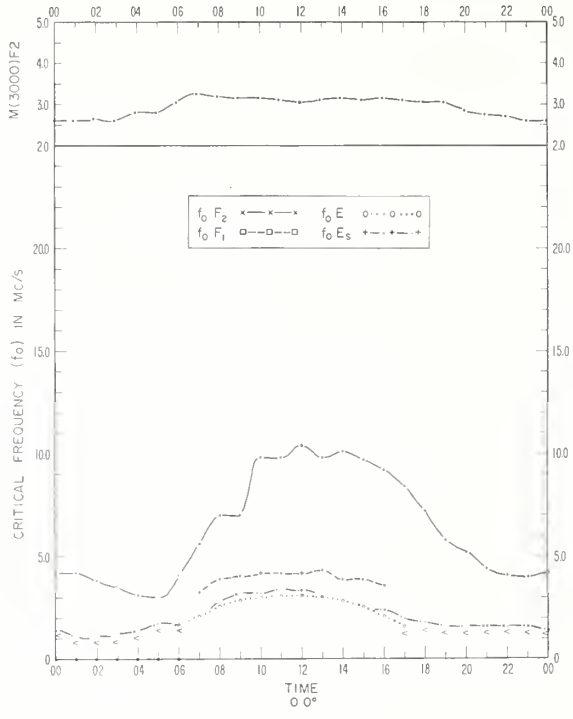

Fig 58. DOURBES, BELGIUM
50.1°N, 4.6°E
OCTOBER 1960

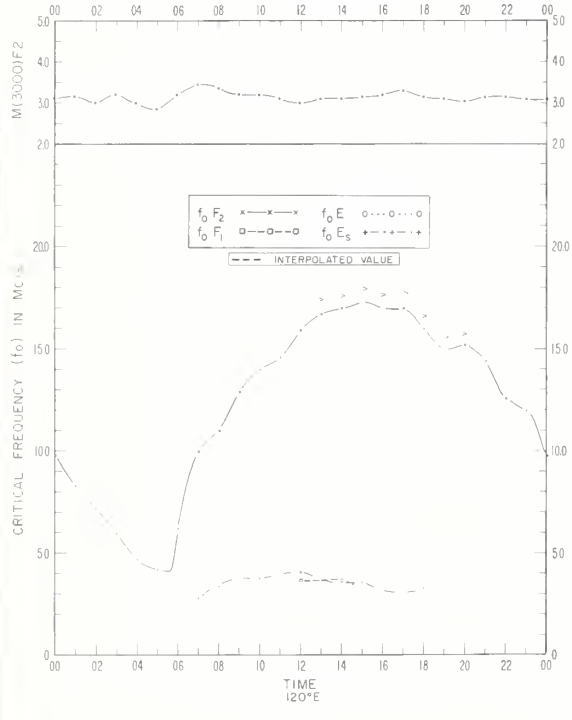

Fig 59. FORMOSA, CHINA
25.0°N, 121.5°E
OCTOBER 1960

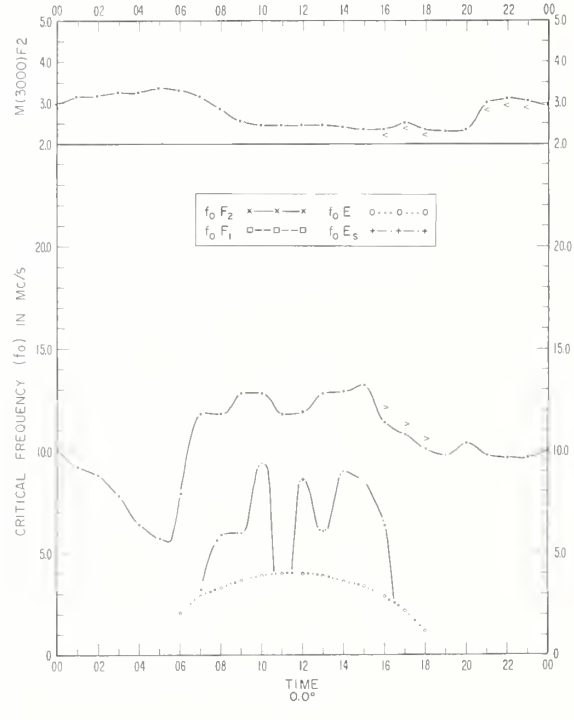

Fig 60. IBADAN, NIGERIA
7.4°N, 3.9°E
OCTOBER 1960

STATION CODE MO. YR

STATION CODE MO. YR

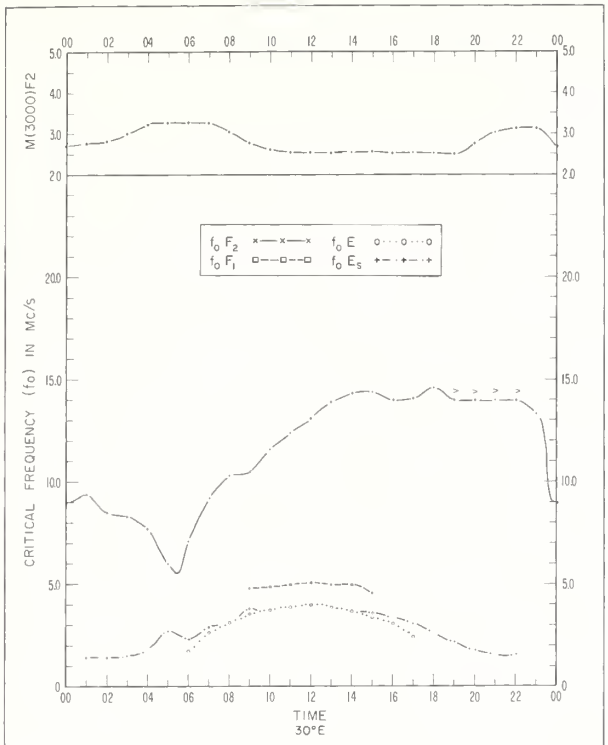

Fig. 61. LWIRO, CONGO.
2.3° S, 28 8° E
OCTOBER 1960

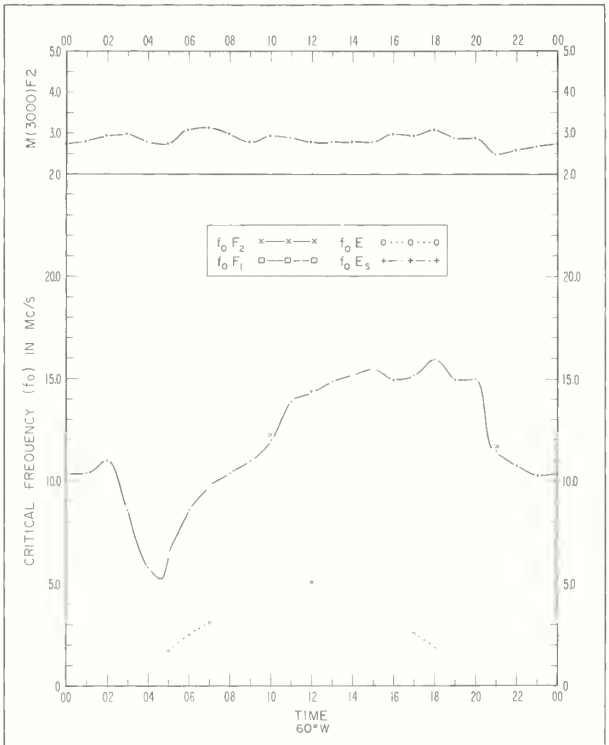

Fig 62. BUENOS AIRES, ARGENTINA
34 5°S, 58 5°W
OCTOBER 1960

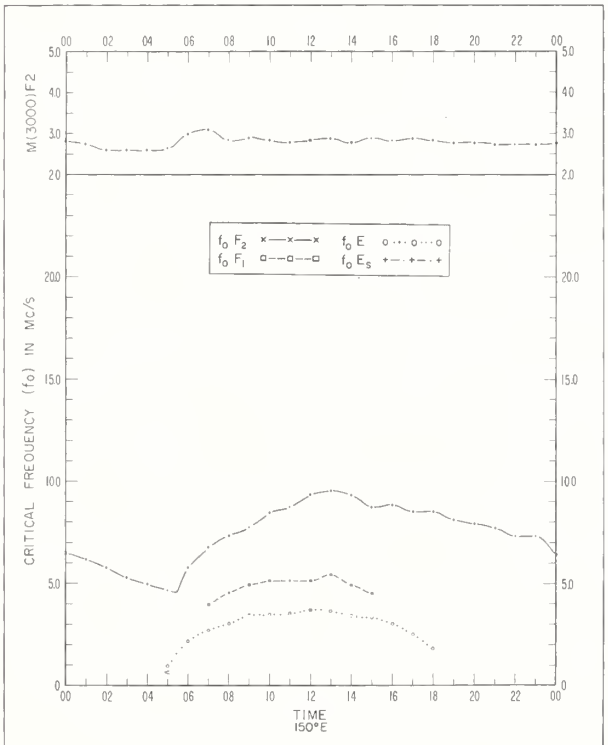

Fig. 63. CANBERRA, AUSTRALIA
35.3° S, 149.0° E
OCTOBER 1960

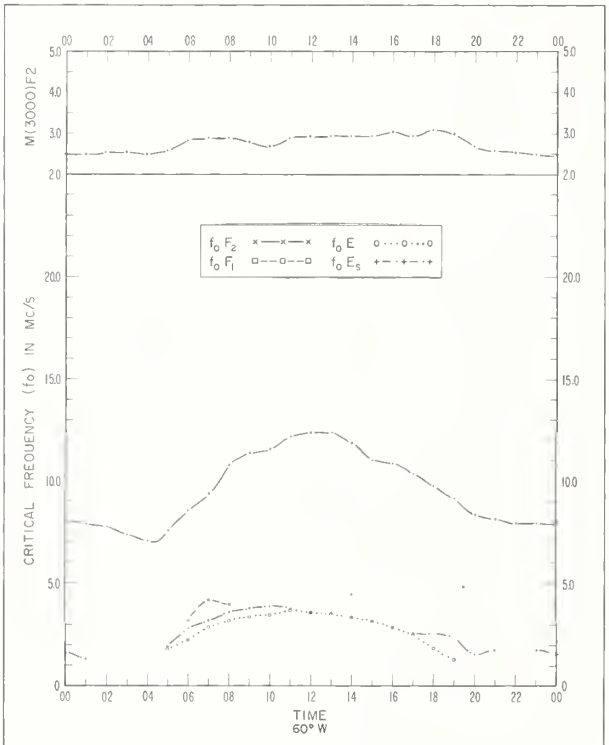

Fig 64. FALKLAND IS.
51.7°S, 57.8°W
OCTOBER 1960

STATION CODE MO YR

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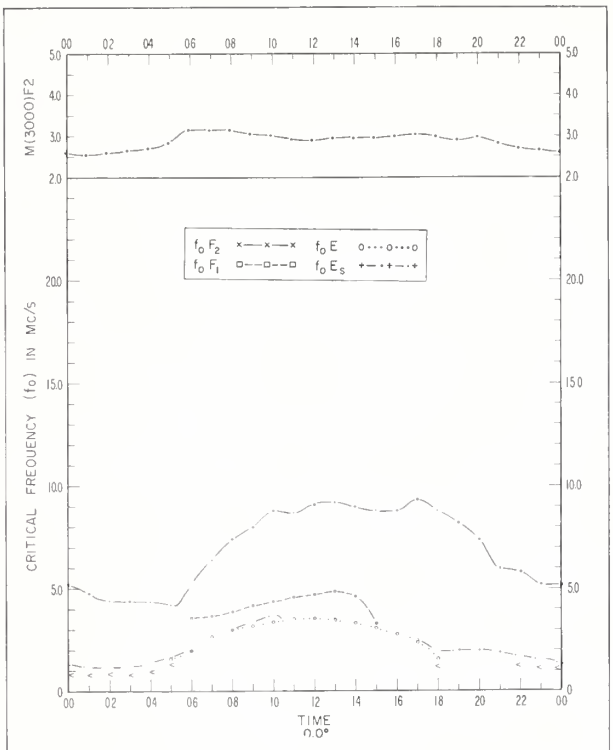

Fig 65 DOURBES, BELGIUM
50.1°N, 4.6°E SEPTEMBER 1960

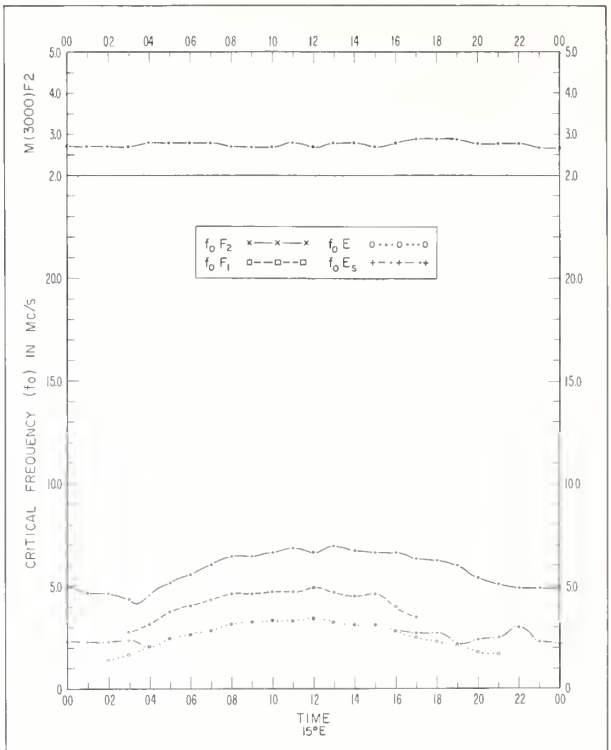

Fig 66. LULEA, SWEDEN
65.6°N, 22.1°E AUGUST 1960

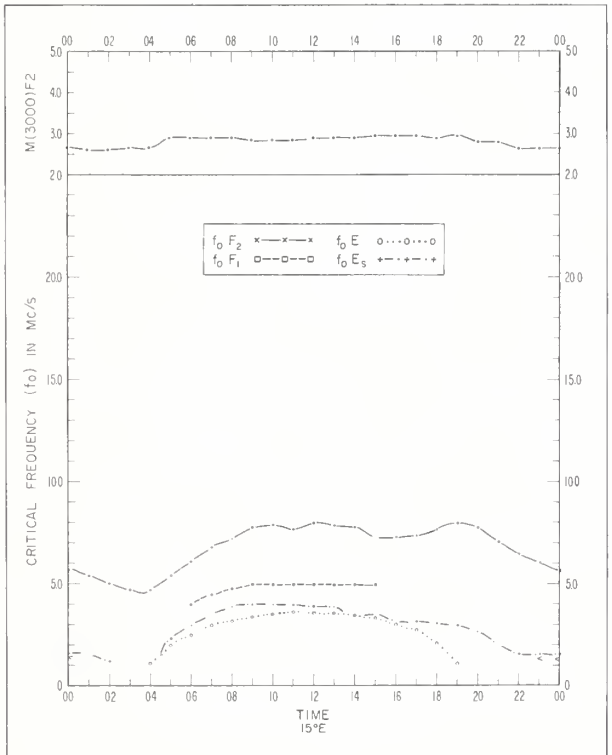

Fig. 67 WARSAW, POLAND
52.2°N, 21.2°E AUGUST 1960

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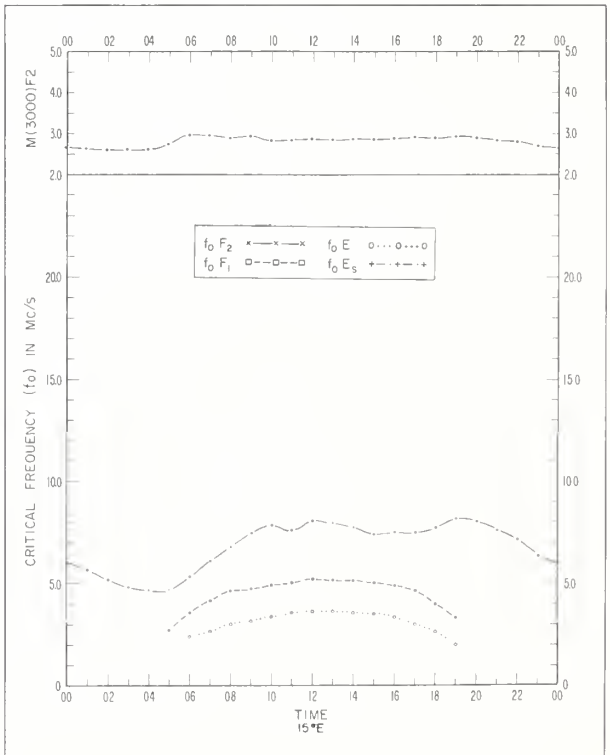

Fig 68. LINDAU/HARZ, GERMANY
51.6°N, 10.1°E AUGUST 1960

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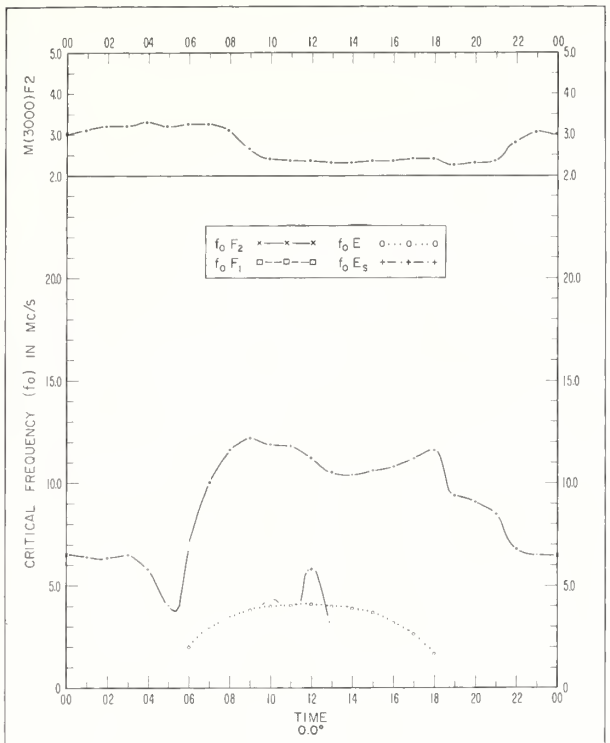

Fig. 69. IBADAN, NIGERIA
7.4°N, 3.9°E
AUGUST 1960

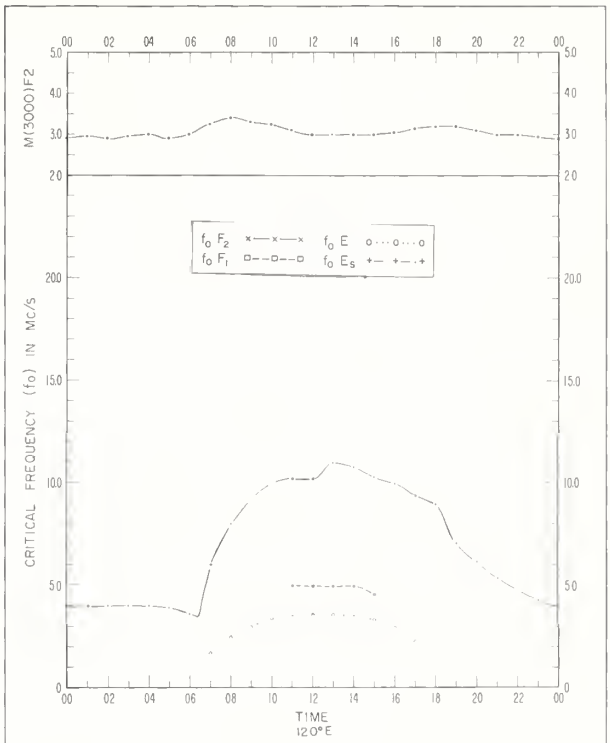

Fig 70. MUNDARING, WESTERN AUSTRALIA
32.0° S, 116.2° E
AUGUST 1960

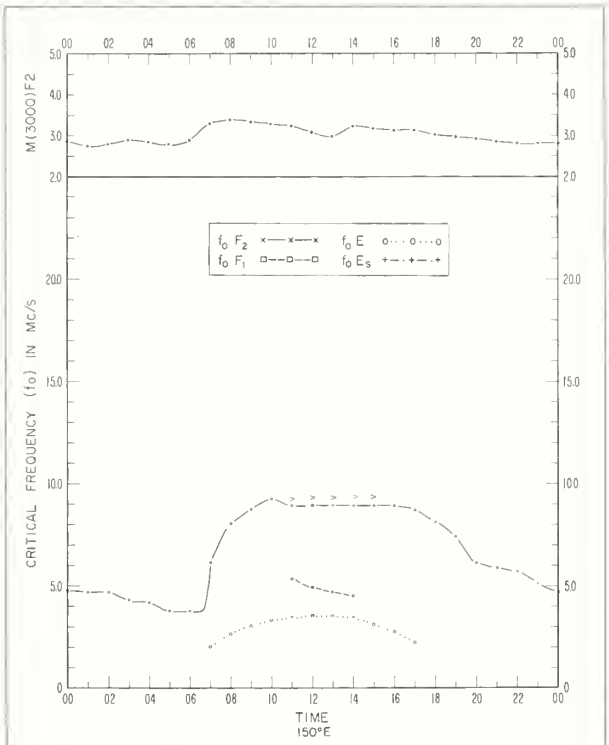

Fig. 71. CANBERRA, AUSTRALIA
35.3° S, 149.0° E
AUGUST 1960

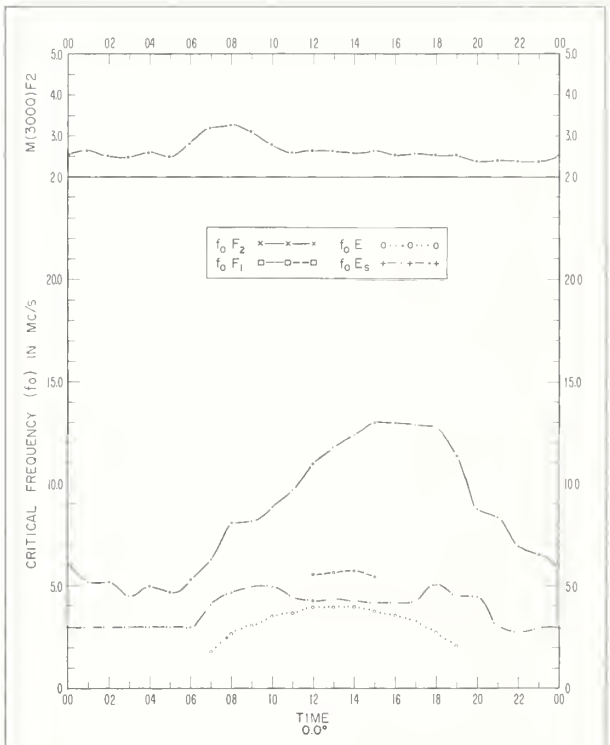

Fig. 72. DAKAR, SENEGAL
14.8°N, 17.4°W
JUNE 1960

STATION CODE MO YR

STATION CODE MO. YR

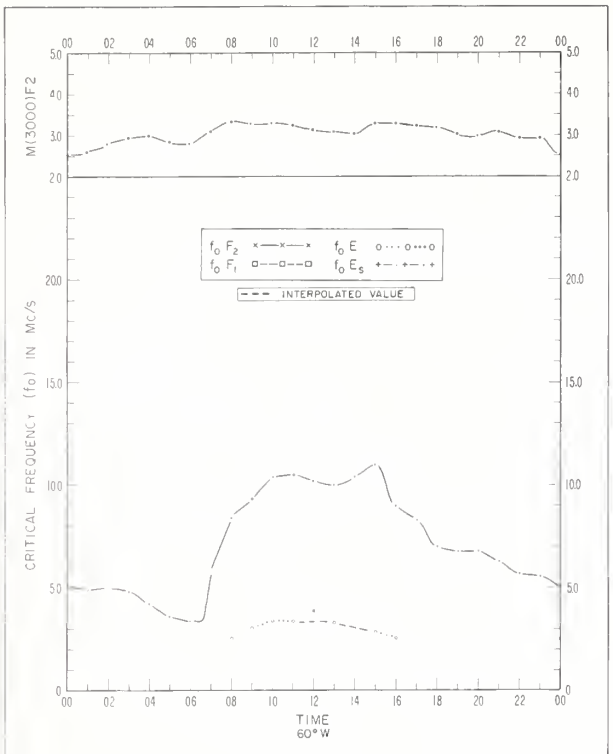

Fig 73 BUENOS AIRES, ARGENTINA
34 5°S, 58 5°W JUNE 1960

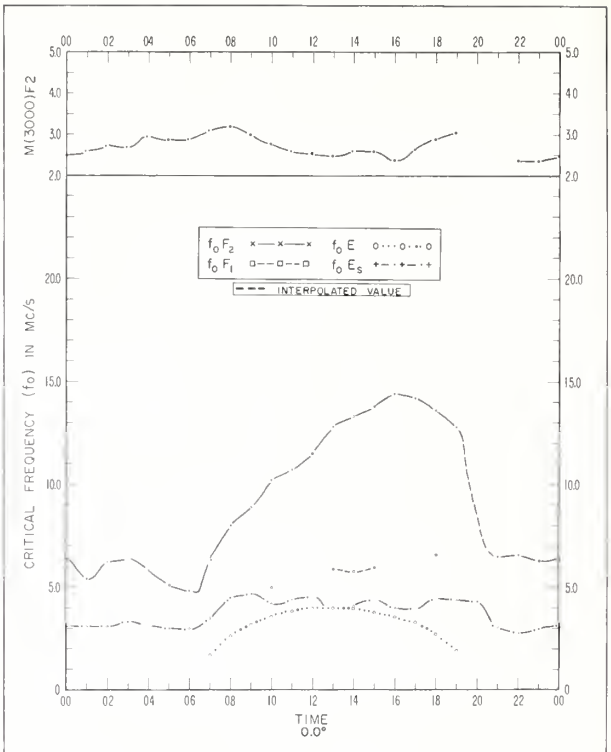

Fig. 74 DAKAR, SENEGAL
14 8°N, 17 4°W MAY 1960

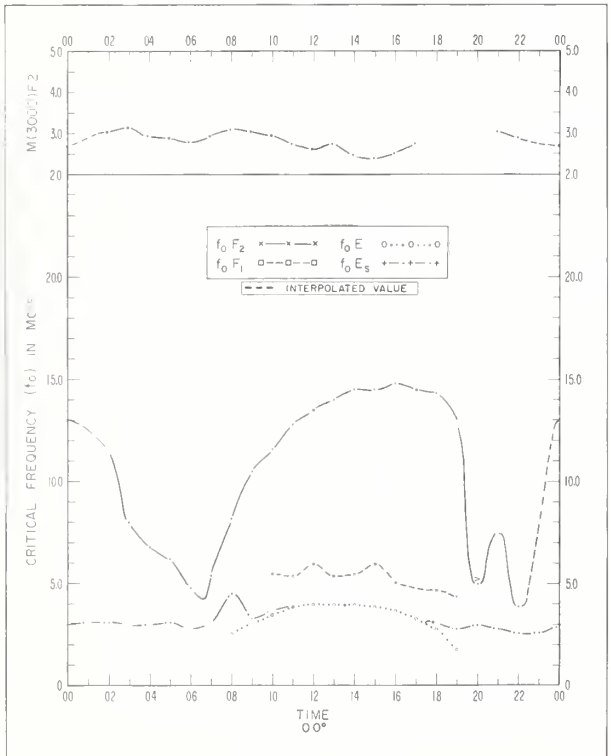

Fig. 75. DAKAR, SENEGAL
14 8°N, 17.4°W APRIL 1960

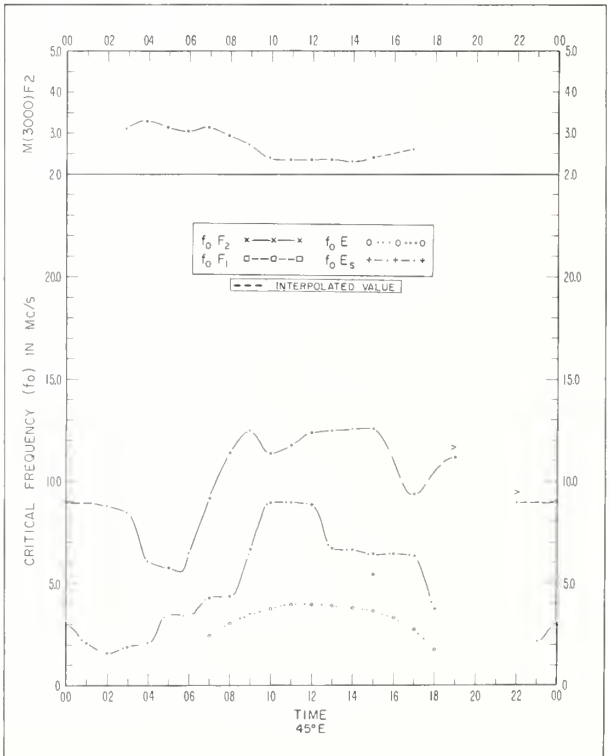

Fig 76. DJIBOUTI, FRENCH SOMALILAND
11.6°N, 43.2°E APRIL 1960

STATION CODE MO. YR

STATION CODE MO. YR

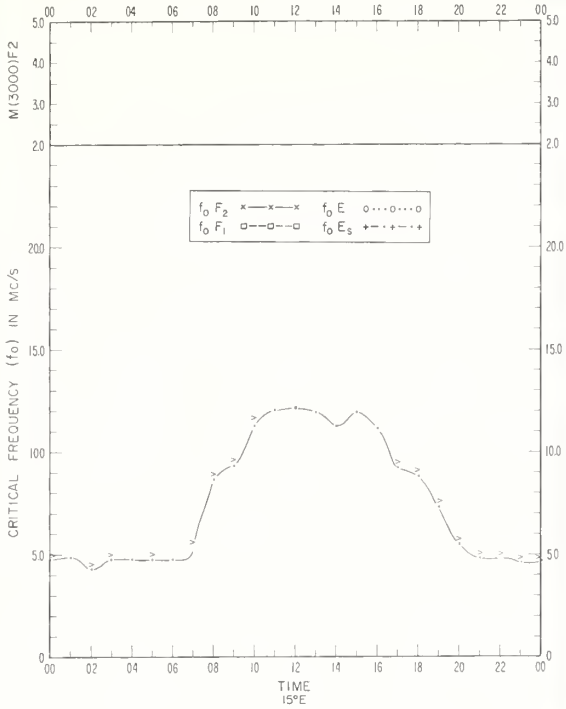

Fig 77. GRAZ, AUSTRIA
47.1°N, 15.5°E FEBRUARY 1960

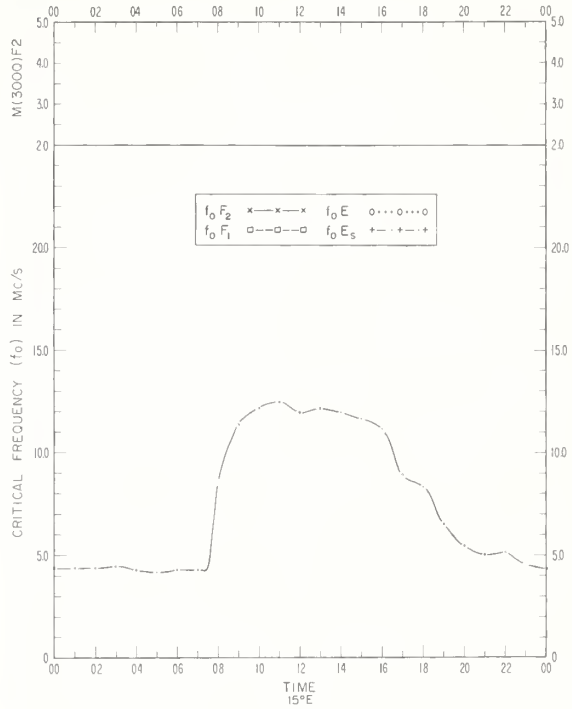

Fig. 78. GRAZ, AUSTRIA
47.1°N, 15.5°E JANUARY 1960

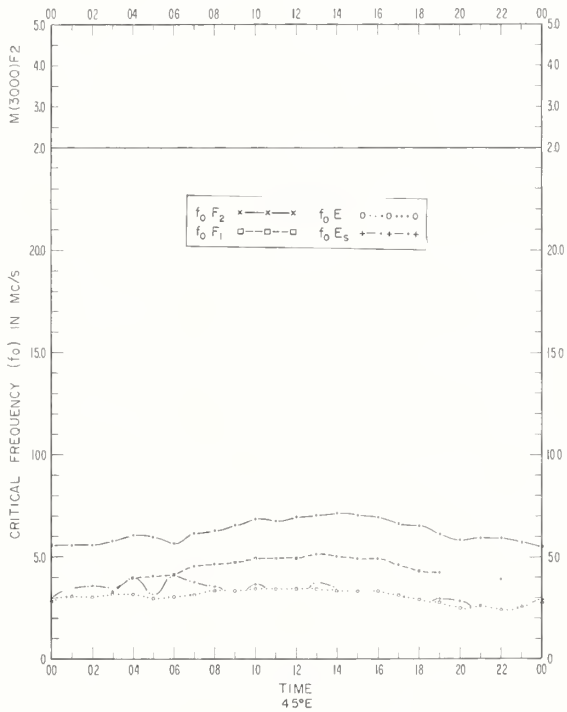

Fig. 79. SYOWA BASE, ANTARCTICA
69.0°S, 39.6°E JANUARY 1960

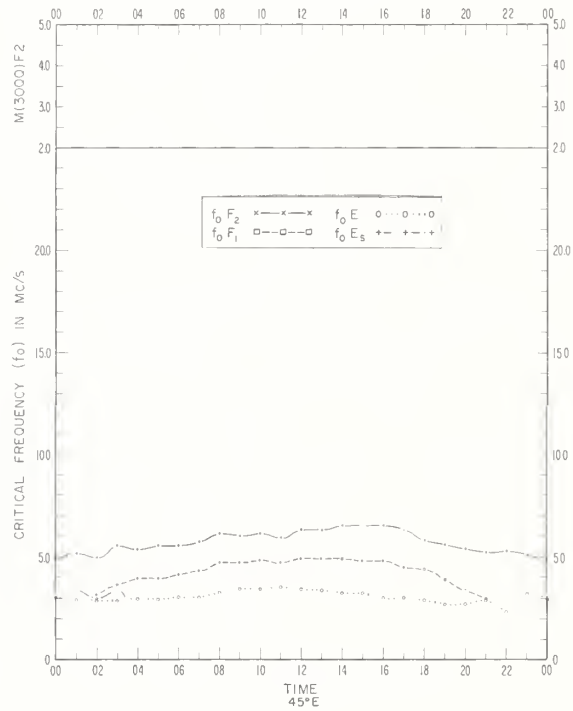

Fig. 80. SYOWA BASE, ANTARCTICA
69.0°S, 39.6°E DECEMBER 1959

STATION CODE MO YR

STATION CODE MO YR

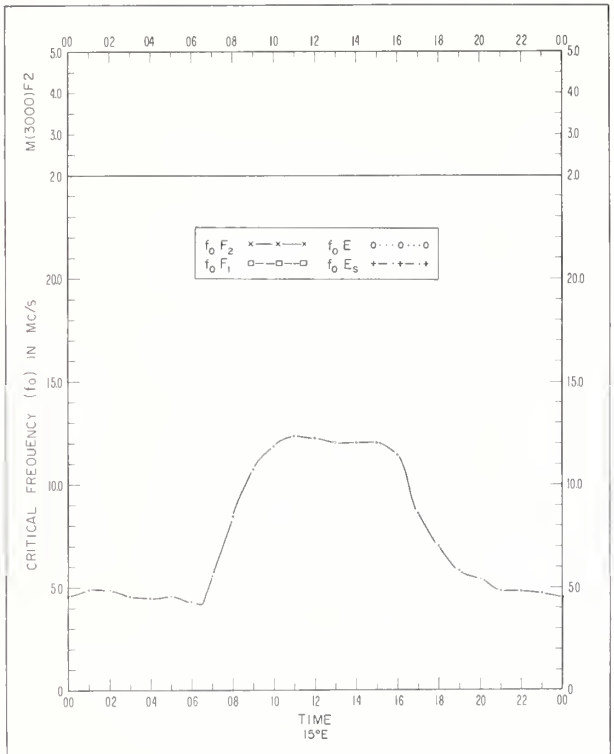

Fig 81. GRAZ, AUSTRIA
47.1°N, 15.5°E
NOVEMBER 1959

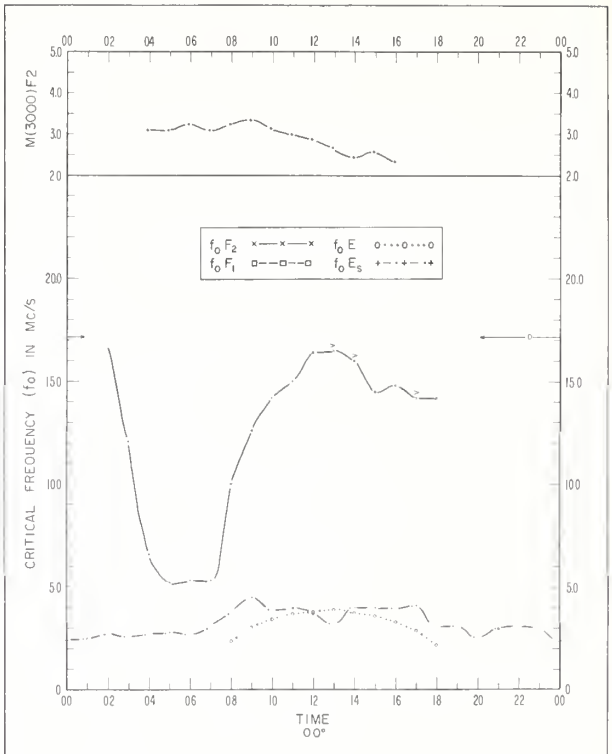

Fig. 82. DAKAR, SENEGAL
14.8°N, 17.4°W
NOVEMBER 1959

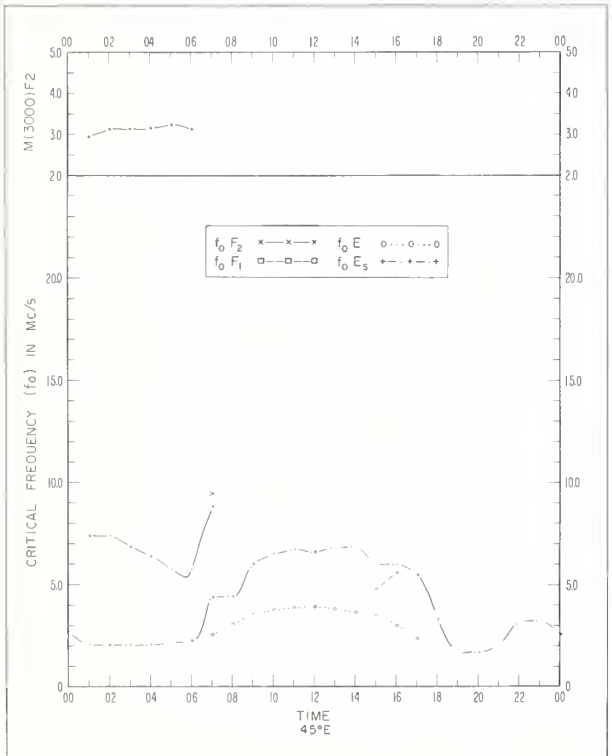

Fig. 83. DJIBOUTI, FRENCH SOMALILAND
11.6°N, 43.2°E
NOVEMBER 1959

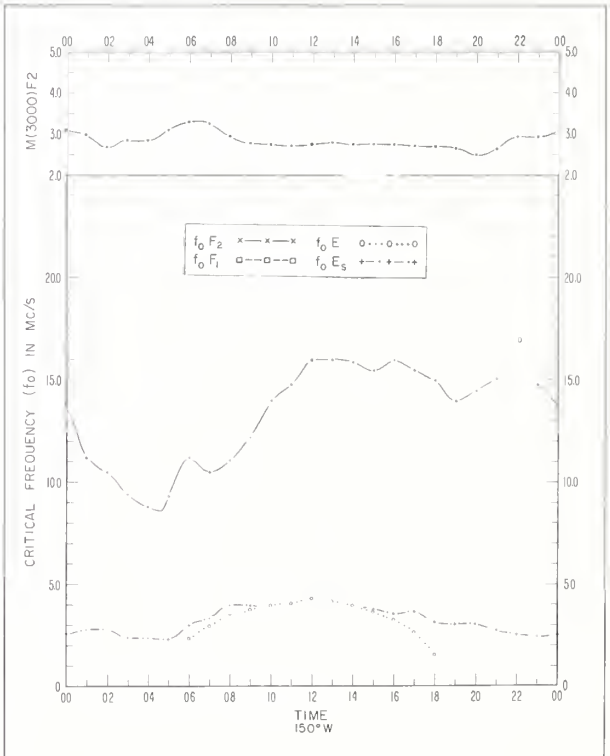

Fig 84 TAHITI, SOCIETY IS.
17.7°S, 149.3°W
NOVEMBER 1959

STATION CODE MO. YR

STATION CODE MO. YR

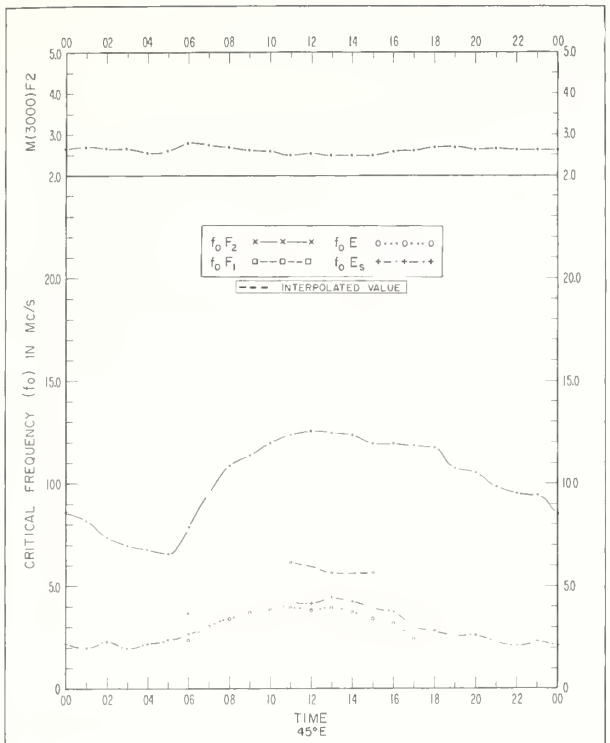

Fig. 85. TANANARIVE, MALAGASY REPUBLIC
18.8° S, 47.5° E NOVEMBER 1959

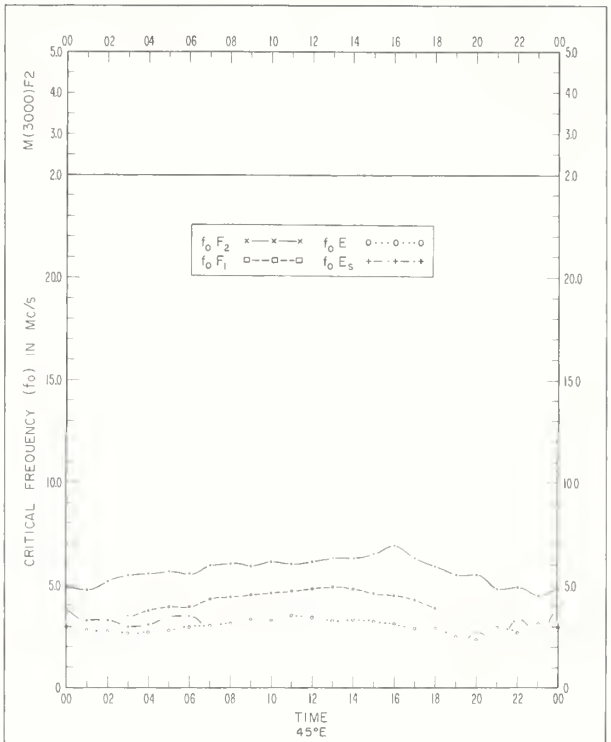

Fig. 86. SYOWA BASE, ANTARCTICA
69.0° S, 39.6° E NOVEMBER 1959

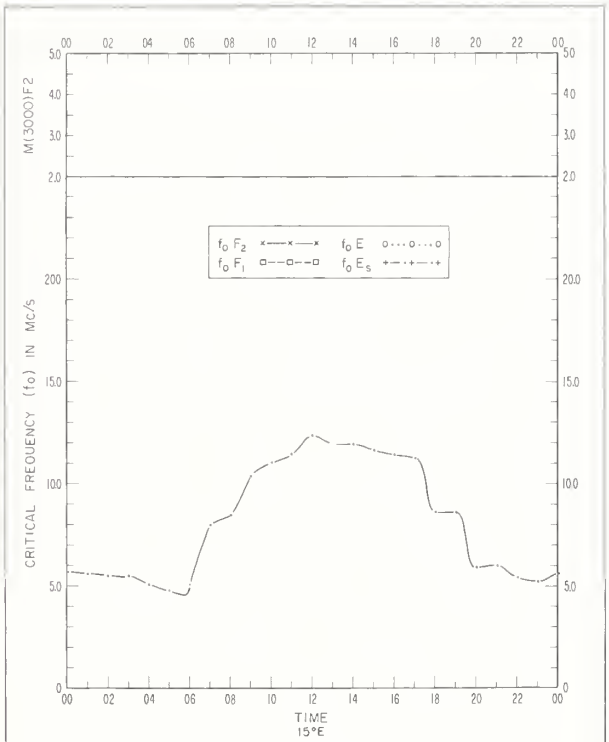

Fig. 87. GRAZ, AUSTRIA
47.1°N, 15.5°E OCTOBER 1959

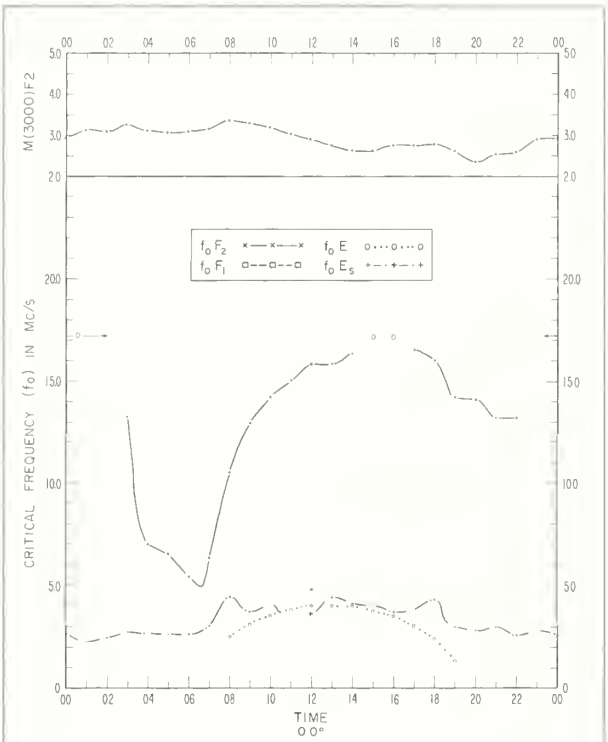

Fig. 88. DAKAR, SENEGAL
14.8°N, 17.4°W OCTOBER 1959

STATION CODE MO. YR

STATION CODE MO. YR

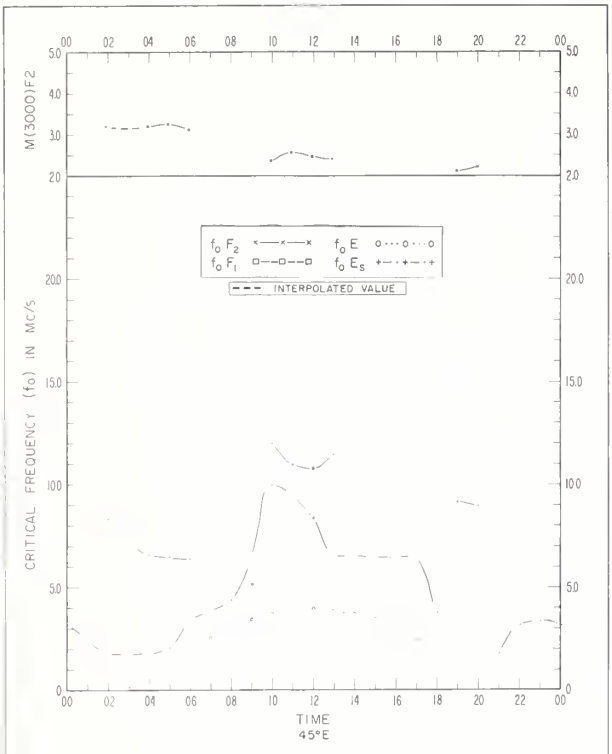

Fig. 89 DJIBOUTI, FRENCH SOMALILAND
11.6°N, 43.2°E OCTOBER 1959

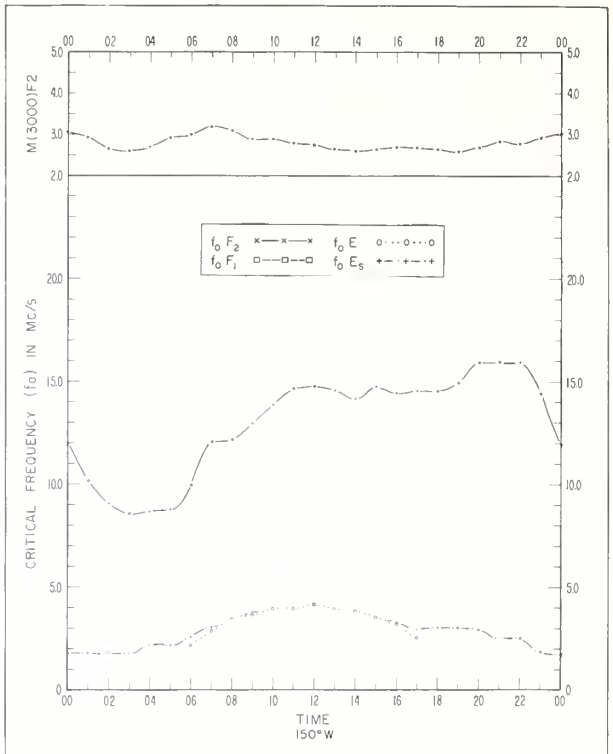

Fig. 90. TAHITI, SOCIETY IS.
17.7°S, 149.3°W OCTOBER 1959

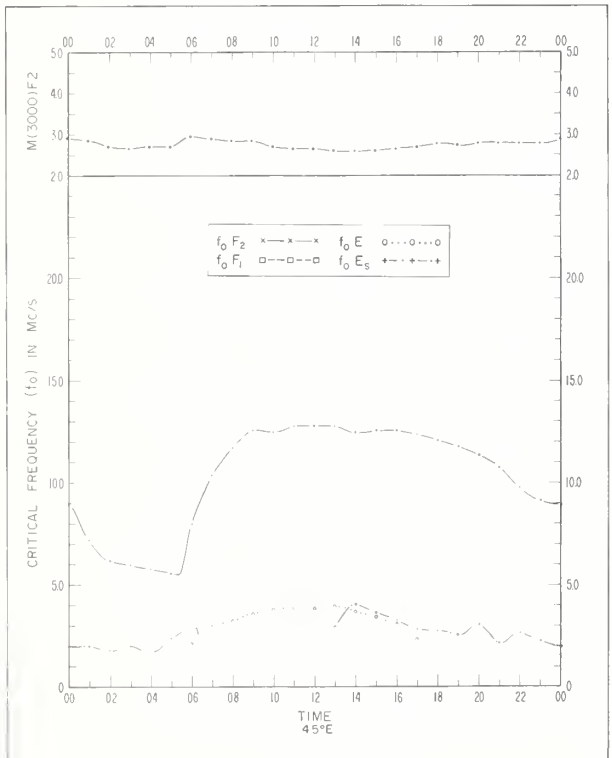

Fig 91. TANANARIVE, MALAGASY REPUBLIC
18.8°S, 47.5°E OCTOBER 1959

STATION CODE MO YR

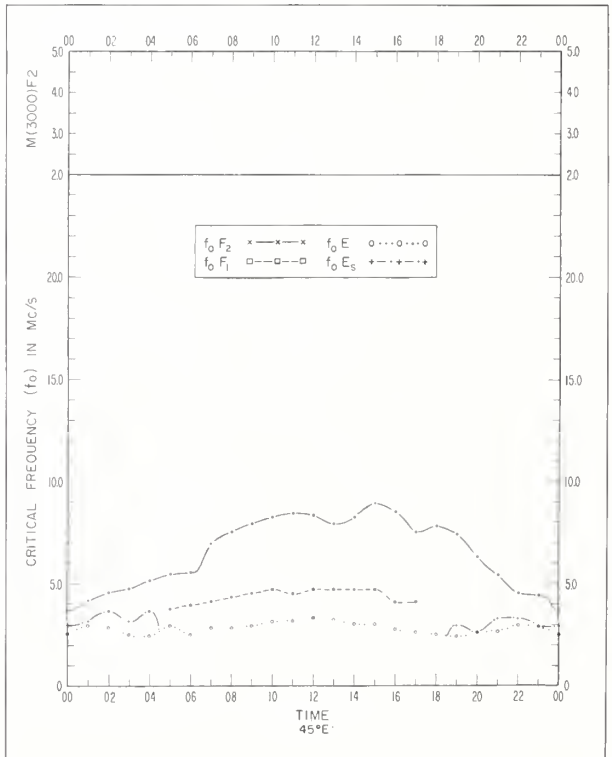

Fig. 92. SYOWA BASE, ANTARCTICA
69.0°S, 39.6°E OCTOBER 1959

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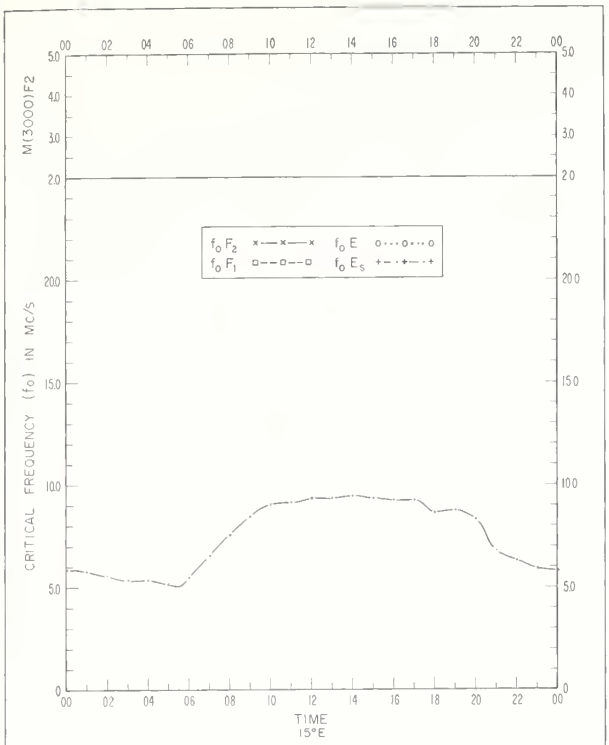

Fig. 93. GRAZ, AUSTRIA
47.1°N, 15.5°E
SEPTEMBER 1959

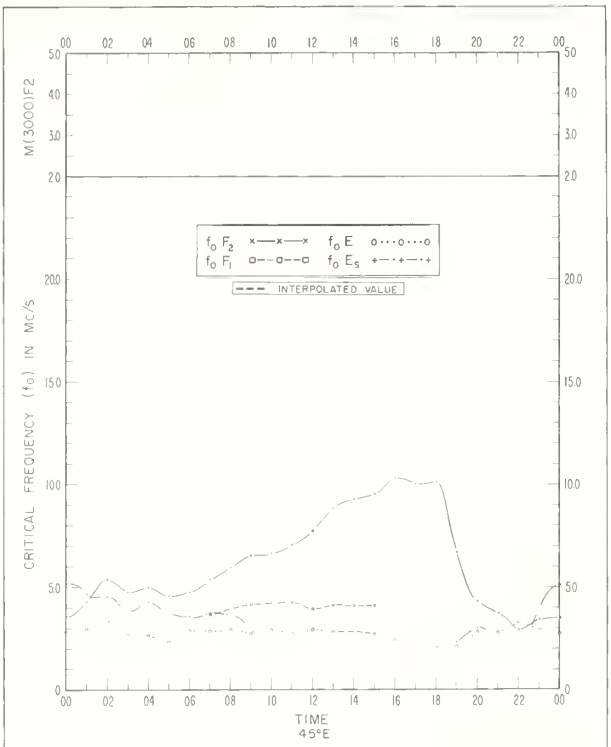

Fig 94 SYOWA BASE, ANTARCTICA
69.0°S, 39.6°E
SEPTEMBER 1959

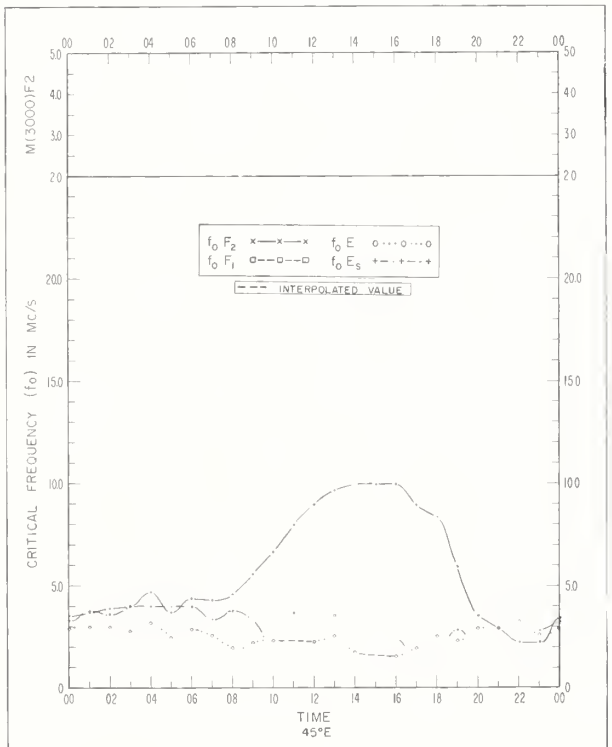

Fig 95. SYOWA BASE, ANTARCTICA
69.0°S, 39.6°E
AUGUST 1959

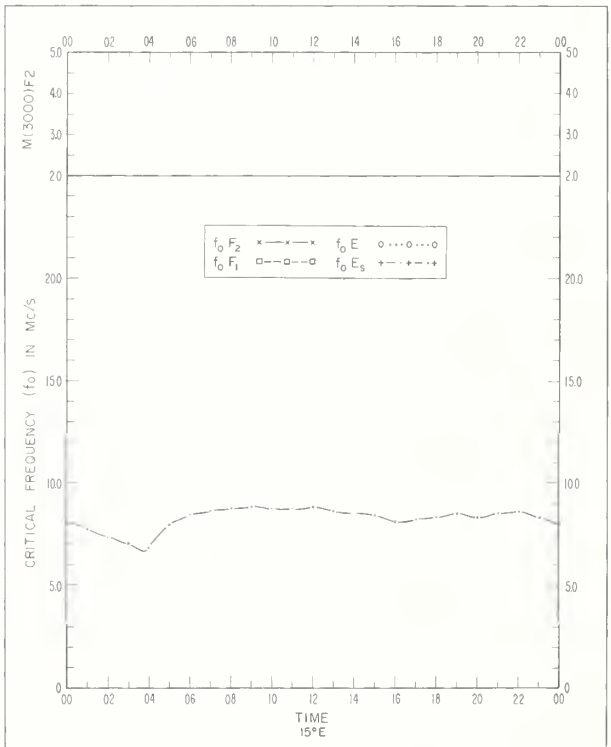

Fig 96. GRAZ, AUSTRIA
47.1°N, 15.5°E
JUNE 1959

STATION CODE MO YR

STATION CODE MO YR

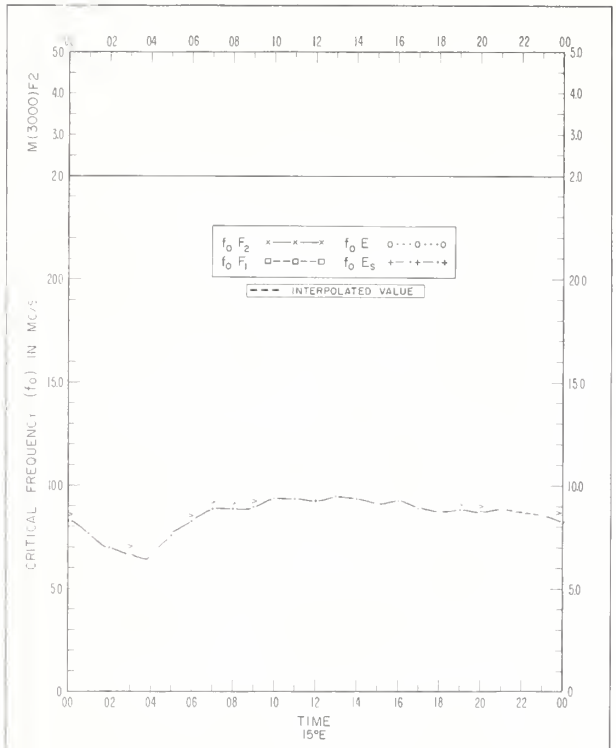

Fig 97 GRAZ, AUSTRIA
47 1°N, 15 5°E
MAY 1959

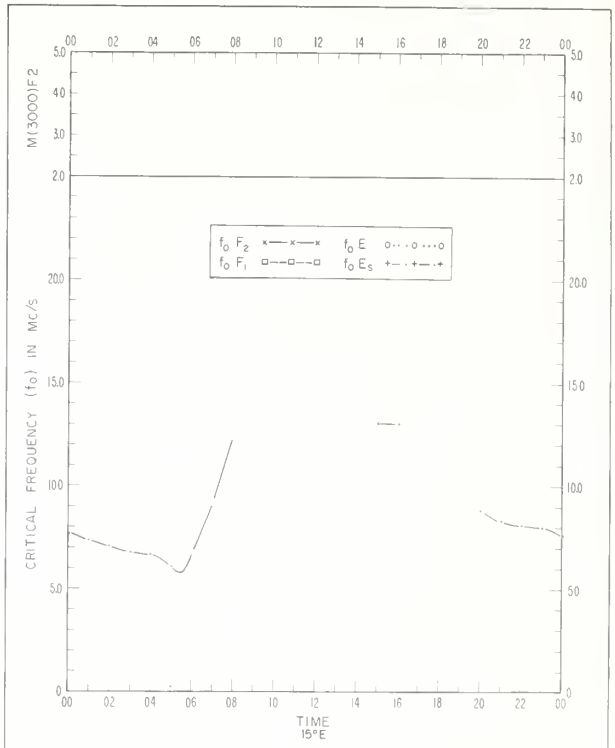

Fig 98. GRAZ, AUSTRIA
47 1°N, 15 5°E
OCTOBER 1958

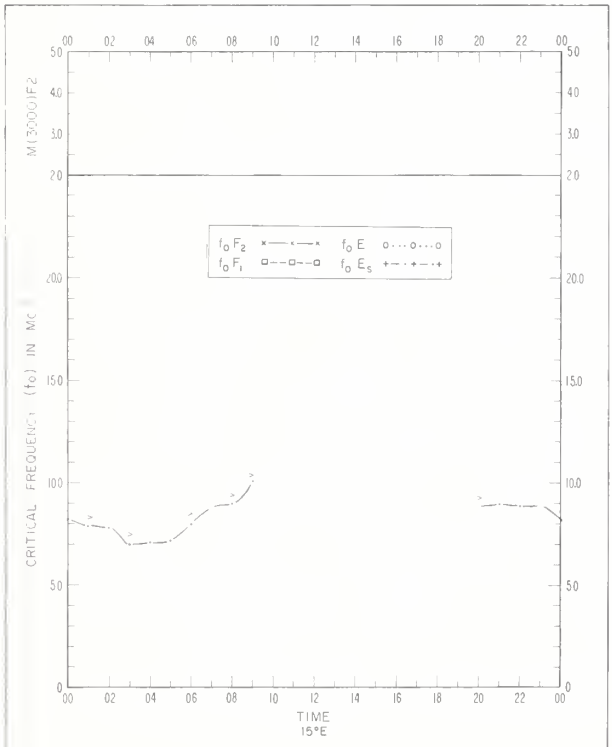

Fig 99. GRAZ, AUSTRIA
47. 1°N, 15 5°E
APRIL 1958

STATION CODE MO YR

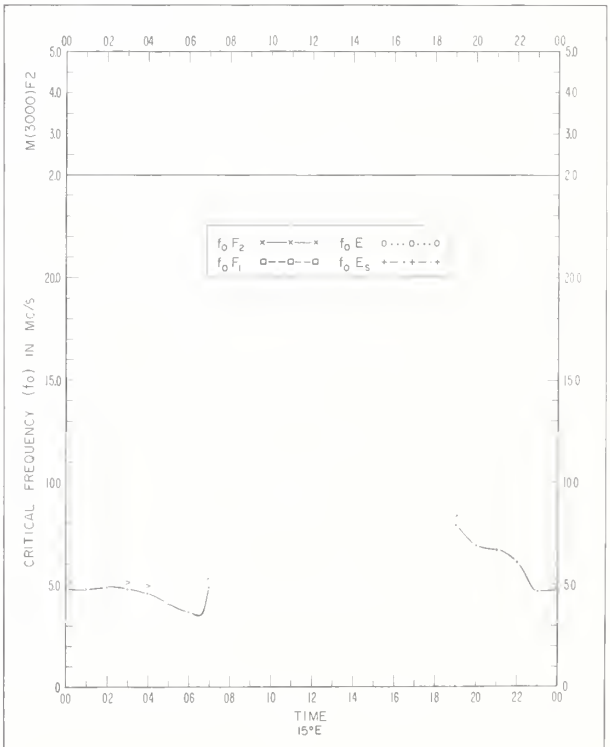

Fig 100. GRAZ, AUSTRIA
47 1°N, 15 5°E
JANUARY 1958

STATION CODE MO YR

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CRPL-F (Part A), "Ionospheric Data."
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