PART A

IONOSPHERIC DATA

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

CRPL-F 221
PART A

NATIONAL BUREAU OF STANDARDS
CENTRAL RADIO PROPAGATION LABORATORY
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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 dissemination of ionospheric and related geophysical data. While originally a by-product of the collection of data by the CRPL for use in radio propagation studies, the CRPL-F series bulletins, Part A, "Ionospheric Data," and Part B, "Solar-Geophysical Data," have provided useful service by collecting and making available a wide variety of data in convenient form for use in research, not only on radio propagation and the ionosphere, but also on a wide variety of geophysical problems.

The current form of the tables of ionospheric data provides the monthly medians and, in addition, the number of values entering into median determination (count) for all ionospheric characteristics listed. Also, 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, which, by improving the speed and efficiency of preparation, permit earlier publication of the data.

Beginning with this issue, CRPL-F221, Part A, "Ionospheric Data," the hourly median values for the graphs of critical frequencies and M(3000)F2 are plotted by machine methods instead of manually, as heretofore. 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. This change was necessary to provide space for the enlarged tables. Data on percentage of time of occurrence of fEs above 3, 5, and 7 Mc are still available from the CRPL and the IGY World Data Center A 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 original data. The tables and graphs now show the ionospheric data just as they are provided by the originating laboratory. Responsibility for the accuracy and reliability of the data now rests entirely with the originator.

Gaps in the tables when data normally might be expected indicate the data were not provided by the originator. Following the recommendation of the World-Wide Soundings Committee, only values of median foEs are listed. In the few cases where fEs is still reported instead of foEs, the data will not be printed. 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 1961, 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	9	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	48
1962	44	41	39	38	38	37						

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 here in tables 1 to 100 and figures 1 to 100 were assembled by the Central Radio Propagation Laboratory for analysis and correlation, incidental to CRPL prediction of radio propagation conditions. The data are median values unless otherwise indicated. The following are the sources of the data in this issue:

Central African Institute for Scientific Research:
Lwiro, Congo

Meteorological Service of Congo:
Leopoldville, Congo

Republica Argentina, Ministerio de Marina:
Trelew, Argentina

Meteorological Service, Province of Macau, Asia:
Macau

Commonwealth of Australia, Ionospheric Prediction Service of the Commonwealth Observatory:
Brisbane, Australia
Canberra, Australia
Hobart, Tasmania
Townsville, Australia
Wilkes Station, Antarctica

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

Electronics Directorate of the Brazilian Navy:
Natal, Brazil

Escola Politecnica, University of Sao Paulo:
Sao Paulo, Brazil

British Department of Scientific and Industrial Research, Radio Research Board:
- Falkland Is.
- Ibadan, Nigeria (University College of Ibadan)
- Inverness, Scotland
- Port Lockroy
- Singapore, British Malaya
- Slough, England

Defence Research Board, Canada:
- Churchill, Canada

Universidad de Concepcion:
- Concepcion, Chile

Radio Wave Research Laboratories, National Taiwan University, Taipeh, Formosa, China:
- Formosa, China

Czechoslovak Academy of Sciences:
- Pruhonice, Czechoslovakia

General Direction of Posts and Telegraphs, Helsinki, Finland:
- Nurmijarvi, Finland

The Finnish Academy of Sciences and Letters:
- Sodankyla, Finland

Ionospheric Research Group (GRI), France:
- Dakar, French West Africa
- Djibouti, French Somaliland
- Tahiti, Society Is.
- Tananarive, Madagascar

Heinrich Hertz Institute, German Academy of Sciences, Berlin:
- Juliusruh/Rugen, Germany

Institute for Ionospheric Research, Lindau Uber Northeim, Hannover, Germany:
- Lindau/Harz, Germany
- Tsumeb, South West Africa

Indian Council of Scientific and Industrial Research, Radio Research Committee, New Delhi, India:
- Ahmedabad (Physical Research Laboratory)

National Institute of Geophysics, City University, Rome, Italy:
- Rome, Italy

Ministry of Posts and Telecommunications, Radio Research Laboratories, Tokyo, Japan:
- Akita, Japan
- Tokyo (Kokubunji), Japan
- Wakkanai, Japan
- Yamagawa, Japan

Norwegian Defence Research Establishment, Kjeller per Lillestrom, Norway:
- Tromso, Norway

Institute of Telecommunication, Warsaw, Poland:
- Warsaw, Poland

Research Institute of National Defence, Stockholm, Sweden:
- Kiruna, Sweden
- Lycksele, Sweden
- Uppsala, Sweden

Royal Board of Swedish Telegraphs, Radio Department, Stockholm, Sweden:
- Lulea, Sweden

Post, Telephone and Telegraph Administration, Berne, Switzerland:
- Sottens, Switzerland

United States Army Signal Corps:
- Adak, Alaska
- Ft. Monmouth, New Jersey
- Grand Bahama I.
- White Sands, New Mexico

National Bureau of Standards (Central Radio Propagation Laboratory):
- Anchorage, Alaska
- Pole Station, Antarctica

TABLES OF IONOSPHERIC DATA

March 1962 - June 1959

TABLE 1

KIRUNA, SWEDEN (67.8N, 20.4E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	25	22	25	26	26	28	34	40	47	49	53	54	55	57	56	57	56	54	53	48	42	35	27	30
	CNT	2	8	6	9	13	19	26	27	30	30	30	30	29	28	29	26	27	24	16	10	5	4	2	3
	UQ																								
	LQ																								
h'F2	MED									285	300	275	285	280	270	260	255	250							
	CNT									4	12	19	20	23	22	12	6	3							
	UQ																								
	LQ																								
h'F	MED	310	305	305	300	300	275	255	240	230	220	210	210	210	215	220	225	235	240	245	245	250	255	265	290
	CNT	11	14	17	16	18	20	26	28	30	30	30	29	27	27	28	26	26	27	25	21	21	17	16	13
	UD																								
	LD																								
M(3000)F2	MED	290	290	280	300	300	300	320	330	330	330	330	330	340	340	340	340	340	340	340	320	320	320	290	290
	CNT	2	7	5	7	11	19	26	27	30	30	30	30	29	27	29	26	27	22	16	9	5	3	2	2
	UQ																								
	LQ																								
foF1	MED									345	365	375	380	360	360	360	350								
	CNT									4	10	20	17	21	19	10	4								
foE	MED						150	160	200	225	240	260	265	270	260	250	240	210	180	160					
	CNT						1	4	11	18	24	27	24	24	27	25	22	16	13	2					
h'E	MED								110	110	110	110	110	110	105	110	110	110	115						
	CNT								2	9	13	16	16	15	17	15	11	6	2						
foEs	MED	40	30	35	30	34	24														44	43	40	38	41
	CNT	14	12	10	11	7	7	14	20	29	270	28	27	27	28	28	28	27	27	18	10	10	13	15	12

SWEEP 0.8 MC TO 15.0 MC IN 30 SECONDS. MARCH, 1962

TABLE 2

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	28	21	18	19	23	30	36	43	48	51	54	56	57	59	59	59	58	56	50	48	43	41	33	28
	CNT	7	6	2	4	3	6	10	13	27	27	25	27	29	28	28	27	24	23	16	12	6	6	6	4
	UD																								
	LD																								
h'F2	MED									525	400	320	335	395	300										
	CNT									1	1	2	2	1	1										
	UQ																								
	LQ																								
h'F	MED	340	310	315	325	325	280	265	245	240	235	230	225	225	235	235	240	240	245	245	245	245	260	285	300
	CNT	20	14	16	14	10	12	14	16	29	28	26	26	29	29	28	29	25	27	26	26	25	26	22	17
	UD																								
	LD																								
M(3000)F2	MED	280	280	300	U 290	290	310	320	340	330	330	320	330	320	320	330	330	330	330	320	320	330	320	300	300
	CNT	6	4	1	3	1	6	10	13	26	27	24	25	29	27	27	25	23	22	15	12	6	6	5	3
	UQ																								
	LD																								
foF1	MED									370	380	390	410		400										
	CNT									1	1	2	2		1										
foE	MED						180	180	190	230	250	270	270	270	270	250	240	220	200	160					
	CNT						2	5	10	25	23	23	23	22	24	26	26	19	11	2					
h'E	MED						135	125	135	130	125	125	125	125	125	130	130	135	140	145					
	CNT						2	4	7	22	23	21	22	22	23	26	26	19	11	1					
foEs	MED	J		J	J	E	E	E	E	E	E	E	E	E	E	E	E	E	E		J	J	J	J	J
	CNT	23	23	19	20	21	16	18	19	23	25	27	27	27	27	25	24	22	20	18	33	22	24	20	23
		6	2	8	3	2	2	5	11	25	240	25	24	25	25	26	26	21	16	6	5	6	6	5	7

SWEEP 0.65 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. MARCH, 1962

TABLE 3

LYCKSELE, SWEDEN (64.7N, 18.8E) 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	25	22	19	18	20	23	31	40	48	51	54	56	57	59	60	60	58	56	53	49	42	37	29	26
	CNT	29	28	29	29	28	31	29	30	31	31	31	31	31	31	30	30	31	31	29	30	31	29	30	29
	UD																								
	LQ																								
h'F2	MED									280	270	280	270	285	270	265	260	245							
	CNT									4	11	18	23	24	21	16	11	3							
	UQ																								
	LQ																								
h'F	MED	285	290	280	285	285	260	250	235	215	210	205	205	200	205	210	220	230	235	235	235	235	240	250	270
	CNT	25	27	23	25	25	30	29	30	31	31	31	31	31	31	29	30	31	30	29	26	24	25	27	23
	UQ																								
	LQ																								
M(3000)F2	MED	280	280	280	290	290	300	300	315	320	320	320	310	310	320	320	320	320	320	320	310	310	300	290	290
	CNT	28	25	29	28	26	30	29	30	31	31	31	31	31	31	30	30	31	31	28	28	28	26	29	28
	UQ																								
	LQ																								
foF1	MED									370	390	395	395	400	400	375	360	330							
	CNT									4	13	18	24	25	21	16	11	3							
foE	MED					80	120	160	180	200	240	240	250	260	255	250	230	210	180	150	120				
	CNT					1	6	16	26	31	31	31	31	31	30	29	29	30	23	10	4				
h'E	MED					130	105	110	110	105	105	100	100	100	100	105	105	110	110	130	130				
	CNT					1	5	10	18	28	28	28	24	26	27	21	21	20	14	7	2				
foEs	MED	U	U																	U	U	U	U	U	U
	CNT	22	23	21	19	23	21	30	35	35	35	38	38	38	36	36	35	34	30	23	22	27	25	25	28
		29	28	29	28	27	30	27	28	31	310	31	31	31	31	30	30	29	30	30	28	27	29	26	25

SWEEP 0.33 MC TO 20.0 MC IN 3 MINUTES. MARCH, 1962

TABLE 4

NURMIJARVI, FINLAND (60.5N, 24.6E) 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	26	24	25	25	21	27	23	36	45	52	55	57	59	62	61	62	61	58	58	53	50		37	
	CNT	1	1	3	2	3	1	6	18	24	27	23	23	28	29	28	30	30	25	21	9	3		2	
	UD			27		23		26	42	50	56	59	63	65	66	67	67	64	66	62	60	53			
	LO			23		20		21	32	40	43	47	48	55	57	57	57	58	54	53	51	43			
h'F2	MED																								
	CNT																								
	UD																								
	LO																								
h'F	MED	300	300	300	300	300	300	300	340	320	310	305	310	320	320	320	320	310	320	320	320	330	320	350	293
	CNT	23	22	22	27	27	19	28	30	30	30	30	30	31	31	31	31	31	31	31	31	31	29	28	24
	UD	320	310	310	320	320	320	310	270	320	315	310	310	310	310	310	320	320	330	330	330	340	360	392	300
	LO	290	300	300	300	295	300	270	230	320	305	300	300	310	310	310	320	320	330	330	330	340	320	330	280
M(3000)F2	MED	310	300	300	300	290	300	303	322	330	325	335	320	330	340	330	340	340	330	340	335	330		315	
	CNT	1	1	3	2	3	1	6	18	24	27	23	23	28	29	28	30	30	25	21	9	3		2	
	UD			300		300		310	340	345	345	340	340	350	348	340	345	350	345	350	340	340			
	LO			292		290		300	310	315	310	320	310	320	320	322	330	330	320	334	320	330			
foF1	MED										340	400	410	410	410	390									
	CNT										2	2	9	10	8	3									
foE	MED								185	203	210	232	255	260	256	250	240	220	200	190					
	CNT								1	16	22	18	15	21	12	12	17	23	13	3					
h'E	MED																								
	CNT																								
foEs	MED								20	22	24	26	29	29	28	27	26	24	22	21					
	CNT								3	14	230	21	16	21	13	12	19	25	14	4					

SWEEP 1.0 MC TO 25.0 MC IN 1 MINUTE. MARCH, 1962

TABLE

CHURCHILL, CANADA (58.8N, 94.2W) TIME 90.0W

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	32	33	30	29	30	30	32	39	45	51	56	59	62	61	62	65	60	60	57	50	41	37	33	31
	CNT	26	24	25	24	21	16	16	21	25	27	27	27	27	31	31	31	31	30	30	29	28	29	30	29
	UQ																								
	LQ																								
h'F2	MED										320	320	320	330	310	305	300	290	280						
	CNT									2	16	23	25	27	30	31	30	24	13						
	UQ																								
	LQ																								
h'F	MED	270	280	300	U 300	315	U 345	U 320	300	250	260	240	220	220	230	230	230	240	250	260	265	290	300	280	300
	CNT	20	13	10	8	10	5	6	15	16	19	19	21	23	22	23	25	26	26	28	23	23	19	18	17
	UQ																								
	LQ																								
M(3000)F2	MED	U 300							300	310	300	300	300	300	300	300	300	300	310	310	300	300	U 300	U 290	
	CNT	6	1	2	1	3	2	2	10	14	22	21	25	25	29	29	26	26	24	21	12	12	8	5	3
	UQ																								
	LQ																								
foF1	MED										U 380	400	420	420	420	410	400								
	CNT										6	15	21	21	22	20	12	3	1						
foE	MED									U 240	260	270	300	300	300	300	280	250	220	190	U 140				
	CNT								3	7	100	14	19	21	24	25	27	25	22	15	6				
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 17.0 MC IN 16 SECONDS. MARCH, 1962

TABLE 6

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

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 28	26	U 26	24	U 22	20	23	38	48	55	60	62	63	65	66	69	66	62	62	61	56	45	U 39	32
	CNT	16	18	15	14	11	19	26	27	27	270	26	25	25	25	26	26	25	26	27	23	22	20	17	18
	UQ																								
	LQ																								
h'F2	MED									040	075	300	300	290	280	290	275	280							
	CNT									2	3	13	15	16	15	15	9	2							
	UQ																								
	LQ																								
h'F	MED	300	300	295	300	300	275	260	245	225	210	205	210	200	205	215	230	235	240	245	240	230	240	260	300
	CNT	26	27	27	27	25	17	26	27	27	27	26	25	24	25	26	25	25	26	27	26	26	26	27	25
	UQ																								
	LQ																								
M(3000)F2	MED	275	285	275	280	285	290	305	320	330	315	320	320	315	320	320	320	325	320	325	310	320	310	295	295
	CNT	6	10	6	6	3	10	13	24	26	26	23	24	22	25	25	24	24	21	20	11	6	8	5	3
	UQ																								
	LQ																								
foF1	MED									380	390	400	420	420	410	410	400	390							
	CNT									3	8	14	16	17	14	14	11	1							
foE	MED							145	170	200	230	255	270	280	280	270	260	235	200	180					
	CNT							2	22	25	25	26	23	18	24	23	24	25	26	23					
h'E	MED								140	120	115	110	110	110	110	110	115	120	130	140					
	CNT								12	24	26	25	25	24	25	25	22	23	25	8					
foEs	MED	E 10	E 10	E 10	E 10	E 10	E 10	E 11	E 17	21	E 23	26	28	E 28	[illegible]	27	26	E 23	20	E 18	E 16	E 16	E 16	E 16	E 16
	CNT	8	25	25	26	22	20	21	27	27	270	26	25	25	25	26	25	25	26	27	26	25	26	27	27

SWEEP 0.67 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC MARCH, 1962

TABLE

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

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	35	35	34[illegible]	355	345	35	40	52	57	68	77	81	83	82	76	72	71	64	56	50	43	39	37	36
	CNT	28	27	30	28	28	24	27	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	28	28
	UQ	38	38	38	38	38	40	48	58	65	77	83	88	86	88	83	79	76	72	65	55	55	46	40	38
	LQ	32	34	41	32	31	31	34	46	[illegible]	60	65	73	76	75	69	68	65	60	51	46	35	32	31	34
h'F2	MED										260	270	265	259	251	242	240	U [illegible]							
	CNT							1	1	4	13	25	24	[illegible]	23	15	15	[illegible]							
	UQ										270	275	282	264	250	248	249	247							
	LQ										242	244	247	245	244	230	[illegible]	[illegible]							
h'F	MED	E 274	U 28[illegible]	285	285	E 266	250	239	229	220	215	212	208	204	204	215	220	225	224	215	218	221	238	250	260
	CNT	31	31	31	31	31	29	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
	UQ	289	298	300	298	285	270	250	232	229	220	220	21[illegible]	21[illegible]	211	220	227	232	229	218	227	229	246	260	275
	LQ	268	275	275	[illegible]	255	245	229	220	207	[illegible]	192	201	19[illegible]	194	204	210	[illegible]	217	211	[illegible]	215	225	235	249
M(3000)F2	MED	290	285	285	2875	295	300	320	345	340	330	330	340	330	335	335	340	350	350	3425	330	330	320	310	295
	CNT	26	27	30	26	26	24	28	31	31	31	31	21	31	31	31	31	31	31	30	31	29	26	25	27
	UQ	295	295	295	[illegible]	300	305	335	350	345	345	340	340	345	340	355	350	355	360	345	350	345	340	315	305
	LQ	280	275	280	280	280	290	31[illegible]	325	[illegible]	[illegible]	320	320	320	325	325	330	340	340	335	315	32[illegible]	310	300	290
foF1	MED												U 440												
	CNT							1	1	1	1	3	5	2	3	1									
foE	MED							160	210	2575	280	30[illegible]	310	310	310	295	280	270	2075	U 150					
	CNT							16	25	26	25	26	2[illegible]	24	27	26	30	26	24	13					
h'E	MED							131	115	108	105	105	105	105	105	108	107	110	117	139					
	CNT							17	26	30	30	31	31	31	31	31	31	29	25	17					
foEs	MED										28		32	U 31											
	CNT	31	31	31	31	31	29	26	31	31	310	31	31	31	31	31	31	31	31	31	31	31	31	31	31

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. MARCH, 1962

TABLE 8

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	36	36	35	35	34	40	38	52	58	62	66	70	71	69	70	69	70	69	69	61	49	39	38	37
	CNT	31	31	31	31	31	31	31	30	31	31	30	31	31	31	31	31	31	31	31	30	30	31	31	31
	UQ	41	40	40	38	36	34	45	56	62	67	72	73	74	73	78	80	79	73	74	67	56	47	44	42
	LQ	32	33	32	32	30	25	34	46	52	56	61	64	64	65	67	65	65	65	65	56	43	33	32	32
h'F2	MED								245	250	260	260	270	265	260	270	260	255	2[illegible]						
	CNT								5	16	21	29	30	29	26	25	16	10	2						
	UQ								260	270	282	282	285	285	285	285	270	265							
	LQ								242	232	235	250	255	250	240	260	255	250							
h'F	MED	280	275	270	270	25[illegible]	245	240	225	215	210	210	210	210	210	215	230	235	235	228	220	220	235	268	285
	CNT	31	31	31	31	31	31	31	31	31	31	30	31	31	31	31	31	31	31	31	30	31	31	31	31
	UQ	290	285	285	280	270	268	250	235	225	220	220	220	220	225	230	235	235	240	230	225	230	250	278	300
	LQ	270	265	265	260	250	230	230	220	210	205	200	200	200	200	205	220	230	230	215	210	215	230	260	275
M(3000)F2	MED	288	289	288	282	300	312	334	356	347	345	346	341	338	333	337	335	339	343	341	336	327	306	294	290
	CNT	31	31	31	31	31	31	30	30	31	30	30	31	31	31	31	31	31	31	31	30	30	31	31	31
	UQ	297	297	297	300	311	323	350	364	364	360	354	349	356	350	346	346	340	355	346	345	341	315	304	295
	LQ	284	280	284	285	284	297	322	351	334	336	336	329	329	322	322	329	333	333	337	323	317	300	288	286
foF1	MED								360	380	400	400	420	420	418	380	400	352							
	CNT								1	5	7	13	11	9	12	5	3	2							
foE	MED							U 128	190	240	280	292	300	305	300	290	270	235	190	E 150					
	CNT							27	31	30	25	24	26	26	29	31	29	31	24	18					
h'E	MED							124	111	107	105	105	105	105	104	105	107	110	U 118	E 128					
	CNT							20	31	31	31	30	31	31	31	31	30	31	25	2					
foEs	MED	F	E	E	E	E	E 11	E 13	E 19	E 24	E 28	U	E 30	E 30	E 30	E 29	E 27	E 24	20	16	E 16	E 16	E 16	E 16	E 14
	CNT	31	31	31	31	31	31	31	31	31	310	30	31	31	31	31	31	31	31	31	30	31	30	31	31

SWEEP 1.0 MC TO 20.0 MC IN 3 MINUTES. MARCH, 1962

TABLE 9

PRUHONICE, CZECHOSLOVAKIA 150.0N, 14.6E1 TIME U.T.

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	34	36	35	35	31	32	47	57	64	65	67	71	71	70	70	71	66	68	63	55	44	39	37	38
	CNT	27	26	26	26	27	27	26	23	26	25	25	23	24	25	25	24	26	23	25	28	26	25	27	26
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	280	275	265	260	250	245	230	220	210	210	205	200	205	205	225	230	240	225	220	220	225	260	275	280
	CNT	27	26	26	26	27	27	25	22	26	26	26	25	25	25	25	24	27	24	26	26	26	25	27	20
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	E	E	E	E	E		E	E	E	E	E	E	E	E	E	E								
	CNT	8	24	26	24	15		15	22	26	26	26	29	25	29	25	24	27	13	3	2		1	1	

SWEEP 1.0 MC TO 18.0 MC.

MARCH, 1964

TABLE 10

GRAZ, AUSTRIA 147.1N, 15.5E1 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	39	39	40	39	37	34	36	52	60	66	68	72	74	73	72	71	72	72	69	62	50	43	40	40
	CNT	29	31	29	30	31	30	30	30	30	31	31	27	30	31	29	28	28	28	26	23	29	28	26	28
	UQ	46	44	44	42	41	38	43	56	64	70	76	78	77	80	76	77	79	80	78	66	57	50	42	46
	LQ	34	36	36	35	34	30	30	47	56	61	63	69	70	69	68	68	69	68	66	59	45	38	35	36
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																			U					
	CNT	31	31	31	31	31	31	31	31	32	32	31	32	31	32	31	31	31	30	24	30	30	24	29	

SWEEP 2.0 MC TO 13.0 MC IN 50 SECONDS.

MARCH, 1964

TABLE 11

WAKKANAI, JAPAN 145.4N, 141.7E1 TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	46	45	46	45	43	41	51	64	71	81	86	91	91	86	81	77	73	69	63	55	53	49	48	46
	CNT	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
	UQ	53	53	54	52	48	45	58	69	80	89	94	94	96	93	88	84	78	76	71	63	60	55	54	55
	LQ	41	41	42	40	37	34	44	60	68	75	82	87	83	81	75	71	68	67	58	50	43	42	41	41
h'F2	MED								350	340	280	270	265	265	260	260									
	CNT								1	1	3	11	20	20	10	11									
	UQ																								
	LQ																								
h'F	MED	310	300	270	250	245	265	230	230	230	225	220	220	220	225	225	230	240	235	230	245	260	270	295	300
	CNT	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
	UQ																								
	LQ																								
M(3000)F2	MED	285	290	295	305	305	300	340	345	330	325	325	325	325	330	330	330	330	335	325	310	305	295	290	285
	CNT	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
	UQ																								
	LQ																								
foF1	MED								390	420	440	U 430	U 450	U 450	U 420	420									
	CNT								1	1	3	7	17	16	16	4									
foE	MED							210	230	270	295	305	310	320	310	300	290	280	270						
	CNT							3	25	31	31	31	30	29	29	30	30	28	4						
h'E	MED																								
	CNT																								
foEs	MED	E	E	E	E	E	E	G	G	G	G	G	G	G	G	G	G	G	G	E	E	E	E	E	E
	CNT	31	31	30	30	31	27	9	26	31	300	30	30	29	30	30	30	30	9	16	31	31	31	31	31

SWEEP 1.0 MC TO 18.0 MC IN 1 MINUTE.

MARCH, 1964

TABLE 12

AKITA, JAPAN 139.7N, 140.1E1 TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	45	44	45	44	40	38	50	66	74	81	90	96	96	92	84	83	76	74	64	53	50	48	46	44
	CNT	28	29	29	29	29	29	30	30	31	31	31	30	30	30	30	30	30	30	30	30	30	30	29	29
	UQ	54	52	53	50	44	42	56	70	83	88	95	100	102	96	93	88	81	80	75	63	55	54	55	55
	LQ	41	41	41	42	37	34	45	61	69	73	80	91	92	90	80	76	71	71	60	44	44	40	40	41
h'F2	MED								230	245	250	260	265	270	255	260	250	250	235						
	CNT								1	9	29	31	30	30	30	29	27	9	1						
	UQ																								
	LQ																								
h'F	MED	295	290	280	265	240	275	245	235	240	220	215	215	210	210	220	240	245	245	230	230	250	255	295	295
	CNT	30	30	30	30	30	30	30	30	31	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30
	UQ																								
	LQ																								
M(3000)F2	MED	285	290	300	310	310	290	330	355	340	330	320	320	325	325	330	335	340	350	340	310	300	300	285	285
	CNT	28	29	29	29	29	29	30	30	31	31	31	30	30	30	30	30	30	30	30	30	30	30	29	29
	UQ																								
	LQ																								
foF1	MED										390	U 460	450	430	U 460	450	390								
	CNT										1	3	6	7	4	1	2								
foE	MED							E	230	275	305	310	325	330	325	315	300	265	215						
	CNT							2	27	27	26	23	23	24	25	25	28	27	10						
h'E	MED																								
	CNT																								
foEs	MED	E	E	E	E	E	E	E	E	G	G		G	G	G	G	G	G	G	E	E	E	E	E	E
	CNT	30	29	30	30	30	29	30	29	30	310	35 31	29	29	27	29	28	30	29	30	30	30	29	30	30

SWEEP 1.0 MC TO 17.0 MC IN 20 SECONDS.

MARCH, 1964

TABLE 13

TOKYO, JAPAN (35.7N, 139.5E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	43	42	43	42	35	34	46	67	76	83	91	103	107	102	95	86	81	77	69	73	47	44	42	43
	CNT	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	30	30	31
	UQ	54	54	53	47	39	37	58	73	83	89	98	110	110	104	94	95	89	84	77	84	54	54	55	55
	LQ	39	40	40	39	33	30	41	64	68	76	86	96	99	95	86	79	76	73	60	64	41	41	39	39
h'F2	MED									240	250	260	260	255	255	255	250	245							
	CNT									12	31	31	31	31	30	29	23	7							
	UD																								
	LQ																								
h'F	MED	300	290	250	220	210	290	230	210	210	210	205	205	205	205	205	200	230	225	205	210	290	260	300	300
	CNT	31	31	31	31	31	31	31	31	31	30	31	30	31	30	30	30	31	31	31	31	30	30	30	31
	UD																								
	LQ																								
M(3000)F2	MED	286	285	295	315	290	280	325	340	330	320	310	315	315	315	320	325	330	335	335	310	290	285	280	280
	CNT	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	30	29	31
	UD																								
	LQ																								
foF1	MED									340	470	U 480	U 480	U 480	440	460									
	CNT									2	1	2	1	4	1	2									
foE	MED							205	250	280	310	330	U 340	340	U 335	330	305	U 270	220	170					
	CNT							10	23	30	29	45	14	10	10	11	21	21	14	2					
h'E	MED																								
	CNT																								
foEs	MED	24	E	E	E	E	E	U	U	U	G		34	G	34	U	U	28	26	24	24	26	23	24	24
	CNT	3	16	27	28	29	5	10	25	31	310	28	29	27	21	24	31	30	25	13	10	10	13	10	8

SWEEP 1.0 MC TO 20.0 MC IN 30 SECONDS. MARCH, 1962

TABLE 14

YAMAGAWA, JAPAN (31.2N, 130.6E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	41	42	43	44	38	30	32	57	74	82	90	98	112	112	112	102	93	87	82	64	54	46	44	U 42
	CNT	27	28	30	30	30	30	30	27	28	31	31	31	31	31	31	31	30	31	28	29	28	27	26	26
	UD	53	54	53	50	40	34	36	63	80	91	98	107	122	124	114	112	103	102	90	82	60	56	57	56
	LQ	37	37	40	40	32	26	27	50	66	74	86	92	103	108	104	95	87	78	69	56	46	40	39	40
h'F2	MED										270	280	285	290	280	275	265	255							
	CNT										15	30	30	31	31	30	26	19							
	UQ																								
	LQ																								
h'F	MED	310	300	270	240	E 220	285	300	240	240	235	235	225	225	225	235	230	240	240	240	230	240	275	300	310
	CNT	28	29	30	30	29	24	25	29	29	31	31	31	29	27	29	31	31	31	30	30	30	30	30	30
	UD																								
	LQ																								
M(3000)F2	MED	285	295	310	320	325	290	295	340	340	330	315	310	310	320	315	320	325	330	335	325	310	290	290	U 285
	CNT	27	28	30	30	30	30	30	29	28	31	31	31	30	31	31	31	30	31	28	29	28	27	26	26
	UQ																								
	LQ																								
foF1	MED											450	460	480	480	460	460								
	CNT											5	13	19	16	14	4								
foE	MED								210	260	300	320	330	340	340	340	330	310	260	190					
	CNT								9	29	31	28	22	19	14	15	22	23	23	3					
h'E	MED																								
	CNT																								
foEs	MED	26	25	E	E	E		23	U	G	32	35	37	37	40	37	35	32	26	20	23	30	23	29	24
	CNT	3	3	14	29	29		1	29	29	310	29	31	31	29	30	31	31	31	28	13	7	5	4	3

SWEEP 1.0 MC TO 20.0 MC IN 30 SECONDS. MARCH, 1962

TABLE 15

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	U 62	U 65	60	U 46	U 30	27	37	66	78	97	109	118	136	145	U 146	U 146	U 142	U 129	U 124	U 112	U 96	U 86	U 78	U 71
	CNT	24	29	31	30	30	30	31	31	31	31	31	31	30	31	31	31	31	31	31	31	31	31	30	29
	UQ	70	72	82	60	37	34	47	74	90	103	118	127	143	154	157	157	153	147	143	126	123	90	90	90
	LQ	51	55	46	38	26	23	32	62	76	89	98	107	124	138	130	126	124	120	104	92	80	72	63	54
h'F2	MED									U 265	270	280	290	295	285	275	270	250	245						
	CNT									7	16	23	23	27	27	26	26	23	4						
	UQ																								
	LQ																								
h'F	MED	U 270	U 240	225	200	U 230	E 270	U 260	240	230	230	220	210	U 205	U 210	U 220	220	225	230	225	225	230	U 240	U 270	U 270
	CNT	30	30	31	30	30	30	30	31	31	31	30	29	28	30	31	31	30	31	31	31	30	31	30	30
	UQ																								
	LQ																								
M(3000)F2	MED	295	310	330	355	310	290	310	340	325	315	310	305	310	310	310	310	320	320	325	305	305	280	285	280
	CNT	20	22	26	29	28	28	28	31	30	28	28	30	27	27	28	29	28	24	21	16	22	18	19	20
	UQ	305	325	350	375	330	295	315	345	335	330	320	315	315	315	315	320	325	330	335	320	310	290	295	290
	LQ	280	295	315	330	290	280	300	330	320	300	300	300	300	300	300	305	315	315	310	300	295	275	275	270
foF1	MED										U 460	U 475	U 470	U 470	U 460	U 475	U 445	U 390	280						
	CNT										1	4	10	12	6	4	2	1	1						
foE	MED									U 290	U 325	U 340	U 335	U 355	U 355		U 330	295							
	CNT									10	12	6	1	3	3		5	6							
h'E	MED								E 117	U 111	U 111	U 110	U 110	U 111	E 113	E 119	U 112	U 113							
	CNT								1	14	22	21	11	6	6	4	14	14							
foEs	MED							26		30	34	36	38	36	35	36	32	31	28	22	31	30	31	30	30
	CNT	30	30	31	30	30	30	2	25	30	310	31	31	30	31	31	31	31	27	10					

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

TABLE 16

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	54	53	52	50	42	40	50	66	73	80	80	86	90	90	86	87	90	90	83	69	58	57	56	56
	CNT	31	31	31	31	31	31	31	31	30	30	29	29	30	30	30	30	30	30	30	30	30	31	31	31
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UD																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	285	295	305	310	305	305	330	340	330	330	315	310	310	310	310	305	320	330	330	315	290	290	290	290
	CNT	31	31	31	31	31	31	31	31	30	300	29	28	30	30	30	30	30	30	30	30	30	31	31	31
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 1 MINUTE 55 SECONDS. MARCH, 1962

TABLE 17

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	48	47	46	45	41	36	39	56	U 65	U 64	U 73	U 74	U 79	78	U 82	76	76	76	81	74	60	52	50	50
	CNT	28	29	29	27	28	28	27	28	28	28	28	26	26	27	25	26	28	30	30	31	29	28	27	28
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	285	290	300	310	310	300	330	340	330	335	330	320	320	320	320	320	325	330	330	330	320	295	285	290
	CNT	24	26	24	25	24	26	26	18	15	150	16	17	18	20	16	19	27	27	24	20	21	17	21	23
	UD																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS. MARCH, 1962

TABLE 18

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

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	39	38	36	36	32	28	33	U 50	57	61	65	68	67	71	70	72	69	69	U 70	U 70	D 60	U 56	42	41
	CNT	22	23	24	23	23	21	23	24	25	24	24	22	25	25	26	26	26	26	26	22	21	19	18	22
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LD																								
h'F	MED																								
	CNT																								
	UQ																								
	LD																								
M(3000)F2	MED	310	310	305	310	320	325	350	355	355	355	355	350	340	350	340	345	350	340	350	345	340	U 340	320	315
	CNT	14	13	15	13	14	11	18	13	19	200	21	21	24	24	25	23	24	17	18	12	9	10	9	10
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 1 MINUTE 55 SECONDS. MARCH, 1962

TABLE 19

TROMSO, NORWAY (69.7N, 19.0E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED			22	20	19	23	24	28	42	52	56	61	61	60	59	56	52	46	30					
	CNT			5	6	6	10	10	12	13	12	16	15	16	15	12	14	14	6	5	4	2		1	2
	UD			25	25	22	29	26	37	46	56	58	65	63	67	64	59	55	54	46					
	LD			16	18	18	18	19	26	39	50	52	58	56	53	52	50	45	42	24					
h'F2	MED											250	240	230	240	240									
	CNT										3	8	10	9	12	8	2								
	UQ											250	245	240	245	240									
	LD											215	225	220	235	225									
h'F	MED						290	295	285	245	245	245	240				240	230	240						
	CNT			2	3	3	6	5	6	13	9	9	6	4	4	2	12	13	7	4	3	2	1		
	UQ						300	300	290	260	245	245	245				245	250	245						
	LQ						280	270	260	245	220	220	220				220	245	225						
M(3000)F2	MED						290	290	290	310	330	330	335	335	335	335	330	315							
	CNT			3	4	4	7	9	10	11	11	15	12	13	13	12	14	9	4	4	2			1	1
	UQ						295	290	300	330	335	335	335	335	340	335	330	330							
	LQ						270	270	290	305	310	315	320	310	310	330	310	310							
foF1	MED														1										
	CNT																								
foE	MED									155	185	205	215	225	215	200	195								
	CNT					1			1	5	6	10	8	9	9	8	5	2							
h'E	MED													140											
	CNT					1				4	4	3	4	6	3	4	4	3							
foEs	MED									G	G				C										
	CNT	42	42	32	28	30	20		20	16	16	18	22	24		19	22	28	32	35	40	40	33	32	40
		14	12	12	13	12	6	4	6	8	100	12	13	11	10	10	11	14	13	13	13	14	15	12	15

SWEEP 0.7 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. FEBRUARY, 1962

TABLE 20

KIRUNA, SWEDEN (67.8N, 20.4E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	23	21	22	20	24	22	22	27	36	49	55	58	60	58	56	54	48	38	30	27	26	22	21	22
	CNT	7	8	10	12	10	8	13	19	24	27	28	28	28	28	28	25	23	18	12	12	11	12	8	6
	UD																								
	LQ																								
h'F2	MED											280	280		325	340									
	CNT											1	3		1	1									
	UD																								
	LD																								
h'F	MED	310	310	310	300	300	300	275	255	235	230	225	225	220	220	240	215	225	225	230	230	275	295	310	310
	CNT	11	10	13	16	15	11	11	17	26	28	28	28	28	28	27	25	25	22	18	15	13	10	7	8
	UD																								
	LQ																								
M(3000)F2	MED	300	300	300	300	300	300	310	320	350	350	360	355	360	360	360	360	350	340	340	320	320	320	300	300
	CNT	7	7	6	11	9	7	12	19	24	27	28	26	27	27	27	25	23	17	11	12	8	11	8	6
	UD																								
	LD																								
foF1	MED											320	340		350										
	CNT											1	3		1										
foE	MED									175	180	200	200	205	200	190	170	160	U 100						
	CNT									2	10	18	23	22	20	14	10	5	1						
h'E	MED										110	110	110	120	120	130									
	CNT										1	4	3	3	3	1									
foEs	MED	33	43	26	24	40	29	30											30	34	34	48	42	48	38
	CNT	13	10	13	10	8	6	1	6	16	240	26	24	23	25	23	21	13	11	11	11	13	14	13	13

SWEEP 0.8 MC TO 15.0 MC IN 30 SECONDS. FEBRUARY, 1962

TABLE 21

SODANKYLA, FINLAND 167.4N, 26.6E) 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	30	30	20	35	24	27	40	29	40	45	53	60	61	64	61	54	55	44	45	46	25	35	33	28
	CNT	4	1	2	2	4	5	9	4	12	21	26	27	23	23	23	21	23	20	10	7	4	7	3	2
	UQ	33				36	31	27	32	42	50	57	63	66	67	66	63	62	58	54	48	34	39	36	
	LD	28				17	21	14	25	37	41	51	56	57	59	57	53	49	43	37	33	24	27	27	
h'F2	MED																								
	CNT																								
	UQ																								
	LD																								
h'F	MED	318	325	330	310	295	310	290	270	240	223	220	210	210	210	215	218	210	215	225	230	260	260	300	310
	CNT	20	23	24	16	24	25	25	25	26	26	28	27	26	28	28	26	25	25	24	24	24	20	21	18
	UQ	375	380	362	340	323	323	310	310	260	230	220	220	217	220	222	220	217	225	235	245	290	300	332	350
	LQ	300	305	300	290	272	282	275	260	230	215	213	210	205	210	210	210	208	210	210	215	230	250	283	290
M(3000)F2	MED	275	290	285	265	280	285	290	290	312	330	335	330	335	335	332	340	335	325	320	315	300	305	295	275
	CNT	4	1	2	1	3	5	8	4	12	20	25	23	21	21	20	21	23	18	12	5	3	6	3	2
	UQ	288				288	288	290	290	323	340	340	340	340	347	340	340	340	330	330	320	300	305	298	
	LQ	277				277	263	280	285	300	310	330	325	325	330	327	330	325	320	310	315	298	300	283	
foF1	MED																								
	CNT																								
foE	MED								120	148	182	200	217	240	240	210	200	190	165	130					
	CNT								1	12	18	21	20	19	19	17	19	15	8	1					
h'E	MED								140	140	128	120	118	117	115	120	125	130	150	140					
	CNT								1	10	18	22	20	20	19	22	19	13	7	1					
foEs	MED	24	23	24	19	21	16	17	E 10	22	28	32	36	33	34	33	30	30	23	16	22	22	23	24	29
	CNT	20	21	24	28	28	24	22	20	19	180	43	24	17	15	16	19	19	21	24	24	20	21	21	17

SWEEP 1.4 MC TO 22.0 MC IN 8 MINUTES. AUTOMATIC.

FEBRUARY. 1962

TABLE 22

LULEA, SWEDEN 165.6N, 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	U 26	U 21	U 19	19	19	18	24	33	44	52	60	60	58	57	60	58	55	50	40	32		U 25		
	CNT	3	5	3	5	5	4	3	16	20	17	15	15	14	16	15	15	15	14	9	6	25	4	5	2	40	26	3
	UQ																											
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	330	335	320	315	300	310	300	285	240	230	235	225	235	230	240	235	230	225	240	250	290	295	295	305
	CNT	11	11	13	12	11	8	6	20	20	19	16	15	15	15	15	14	16	16	16	16	13	10	9	11
	UD																								
	LQ																								
M(3000)F2	MED	290	280	280	300	310	310	290	320	340	340	340	340	340	340	340	340	330	330	320	330	320	310	310	260
	CNT	2	3	1	4	4	4	3	15	20	17	14	14	14	16	13	15	15	14	8	5	3	4	1	3
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED								160	190	210	230	240	250	240	230	200	180							
	CNT								1	13	18	14	14	10	13	11	10	5							
h'E	MED									145	140	140	130	140	140	140	140	160							
	CNT									9	15	13	13	10	12	11	8	4							
foEs	MED	J 31	J 19	J 20	J 20	J 9	J 12		J 14	E 19	E 21	E 23	E 24	E 25	E 24	E 23	E 20	E 18	J 18	J 21	J 22	J 22	J 36	J 23	J 24
	CNT	7	11	10	4	1	1		4	16	170	14	14	12	12	11	10	7	5	4	7	8	9	9	8

SWEEP 0.65 MC TO 25.0 MC IN 5 MINUTES. AUTOMATIC.

FEBRUARY. 1962

TABLE 23

LYCKSELE, SWEDEN 164.7N, 18.8E) 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	20	U 18	U 18	15	14	15	18	24	42	51	57	59	60	62	59	56	54	45	37	28	23	22	U 20	U 20
	CNT	23	23	27	28	28	27	25	28	28	28	28	28	27	27	28	28	26	26	25	24	24	20	21	24
	UQ																								
	LD																								
h'F2	MED										250		260	255	275	265									
	CNT										1	1	3	3	2	1									
	UQ																								
	LD																								
h'F	MED	300	290	285	280	285	260	260	250	230	210	210	210	210	210	215	210	210	210	215	240	250	255	260	275
	CNT	13	17	19	24	18	17	14	27	28	28	28	27	27	27	28	27	26	26	25	24	19	15	11	10
	UQ																								
	LQ																								
M(3000)F2	MED	280	280	280	285	300	290	295	300	315	330	330	330	330	330	330	330	325	320	320	300	300	300	295	280
	CNT	17	19	21	28	27	23	20	28	28	28	28	28	26	27	28	27	26	26	25	21	22	16	14	15
	UQ																								
	LQ																								
foF1	MED										320		370	370	370	360									
	CNT										1	1	3	3	1	1									
foE	MED								120	160	190	210	220	230	220	210	180	170	120	100					
	CNT								13	23	25	26	26	25	29	26	25	18	5	1					
h'E	MED								105	110	110	110	110	110	110	115	115	130							
	CNT								5	15	16	18	19	22	19	19	12	7							
foEs	MED	U 23	29	30	25	30	26	21	29	32	35	38	40	35	35	35	35	31	23	U 23	U 22	U 26	U 27	U 32	U 28
	CNT	26	28	27	28	27	27	26	26	28	280	28	27	26	27	27	27	26	25	25	25	25	25	25	27

SWEEP 0.33 MC TO 20.0 MC IN 3 MINUTES.

FEBRUARY. 1962

TABLE 24

NURMIJARVI. FINLAND 160.5N, 24.6E) 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	24	23	20	17	18	14	21	27	42	51	60	65	66	65	66	60	63	62	56	51	38	29	23	25
	CNT	1	2	2	2	4	3	2	4	12	15	20	16	17	19	14	15	14	11	11	6	3	2	2	1
	UD					19	15		29	48	61	69	69	71	70	68	75	67	65	60	52	40			
	LD					15	13		25	35	46	57	61	59	61	63	58	58	53	46	44	30			
h'F2	MED																								
	CNT																								
	UD																								
	LQ																								
h'F	MED	340	335	315	300	300	310	300	295	265	210	210	215	210	210	210	210	210	210	210	215	275	300	305	315
	CNT	14	12	20	25	25	22	13	19	28	27	28	28	28	27	27	27	27	28	27	27	24	21	16	18
	UQ	370	375	375	330	320	360	385	300	240	220	220	220	220	215	220	215	220	220	210	220	300	305	355	370
	LD	300	302	300	298	300	300	285	280	220	205	208	205	205	205	205	205	200	200	200	210	280	265	290	300
M(3000)F2	MED	300	292	280	295	300	305	312	303	320	340	350	350	352	355	363	360	350	345	340	340	320	320	320	280
	CNT	1	2	2	2	4	2	2	4	13	15	20	16	16	20	14	15	13	11	11	6	3	2	2	1
	UD					325			310	350	360	370	360	357	357	350	365	355	350	350	340	325			
	LQ					285			300	315	335	340	340	342	340	335	340	330	330	330	330	317			
foF1	MED																								
	CNT																								
foE	MED									160	195	210	220	240	240	230	210	190	187	220	165				
	CNT									1	9	20	15	14	18	13	14	11	2	1	1				
h'E	MED																								
	CNT																								
foEs	MED	30	58	24	22	19				24	21	23	25	26	27	25	24	21	21	27	26	24	23	23	31
	CNT	2	1	3	2	2				2	120	23	23	20	41	18	41	19	4	3	2	3	2	2	3

TABLE 25

UPPSALA, SWEDEN (59.8N, 17.6E) 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	19	18	18	16	15	15	17	26	44	55	60	62	64	63	62	59	56	51	40	32	24	20	20	19
	CNT	27	26	27	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26	26	26	26	25	24	24
	UQ																								
	LQ																								
h'F2	MED												290	270	290	265									
	CNT												3	2	2	2									
	UQ																								
	LQ																								
h'F	MED	295	285	270	270	260	U 265	255	240	215	210	210	210	210	210	215	215	215	210	210	230	245	270	275	285
	CNT	28	27	28	28	28	28	27	28	28	28	28	28	28	28	28	28	28	27	27	27	27	28	27	28
	UQ																								
	LQ																								
M(3000)F2	MED	270	270	270	275	275	280	290	310	330	340	340	330	340	330	330	340	330	330	320	310	290	280	280	275
	CNT	27	26	27	28	28	28	28	27	27	26	28	28	28	28	28	28	28	28	26	26	26	25	23	24
	UQ																								
	LQ																								
foF1	MED												360	U 380	400	380									
	CNT												3	1	1	1									
foE	MED							95	125	175	215	235	245	250	250	240	220	185	125						
	CNT							1	16	26	27	27	26	26	27	26	28	21	15						
h'E	MED							125	115	115	110	110	110	110	110	110	110	125	125						
	CNT							1	7	11	21	21	23	23	20	23	21	14	6						
foEs	MED	23	23	23	22	22	23	23	22	26	26	27	26	28	33	28	26	26	23	23	23	23	23	23	22
	CNT	21	26	28	26	26	24	22	26	27	280	28	28	28	28	28	28	28	27	24	16	12	11	20	20

SWEEP 0.33 MC TO 20.0 MC IN 3 MINUTES.

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TABLE 26

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

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	22	22	22	18	17	17	17	21	38	54	58	59	60	62	64	62	60	57	48	40	34	26	24	23
	CNT	17	16	16	18	21	18	20	25	28	24	26	25	25	26	28	27	25	24	25	24	24	20	21	23
	UQ																								
	LQ																								
h'F2	MED											235	255	255	250	240	230								
	CNT											1	6	8	8	7	1								
	UQ																								
	LQ																								
h'F	MED	300	300	300	300	300	290	290	260	230	225	220	220	215	220	220	225	230	220	225	235	250	270	275	300
	CNT	27	28	27	26	21	8	17	26	27	27	28	26	27	28	28	28	27	28	28	23	20	15	12	11
	UQ																								
	LQ																								
M(3000)F2	MED	275	275	265	270	280	285	280	290	325	345	335	340	340	335	340	335	335	330	320	315	300	285	285	275
	CNT	16	15	15	16	21	7	14	24	26	24	25	25	25	26	28	25	23	19	24	23	23	18	21	17
	UQ																								
	LQ																								
foF1	MED												380	390	420	410									
	CNT												2	2	1	1									
foE	MED								E 120	165	200	240	250	265	260	255	235	205	E 160	E 160	E 160				
	CNT								6	22	23	28	26	27	27	27	26	23	20	6	1				
h'E	MED								150	130	125	125	125	120	120	125	125	130	130						
	CNT								1	3	10	21	24	25	26	26	26	18	2						
foEs	MED	E 11	E 10	E 10	E 10	E 10	E 16	E 11	E 11	19	22	26	27	28	29	29	26	24	19	E 16	E 16	E 16	E 16	E 16	E 16
	CNT	26	28	28	26	24	26	22	23	27	270	27	27	27	28	28	28	28	28	27	28	28	28	28	28

SWEEP 0.67 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC.

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TABLE 27

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

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	30	29	30	29	23	22	22	32	50	59	61	66	65	66	66	63	62	57	49	45	36	32	30	30
	CNT	26	25	23	25	25	24	27	27	25	25	27	26	27	27	26	25	25	27	27	25	26	26	25	24
	UQ																								
	LQ																								
h'F2	MED										245	250	250	240	250	245	230	250	265						
	CNT										6	8	14	18	23	18	5	2	1						
	UQ																								
	LQ																								
h'F	MED	270	280	275	270	270	260	U 250	245	220	220	225	215	220	210	220	225	235	220	220	E 230	E 240	E 255	E 270	E 260
	CNT	20	24	24	24	19	10	10	21	24	25	27	26	27	25	26	24	24	26	26	18	16	20	18	17
	UQ																								
	LQ																								
M(3000)F2	MED	290	290	295	290	290	305	305	[illegible]	350	350	355	350	345	345	345	355	350	340	330	320	305	300	290	285
	CNT	25	25	23	22	20	16	16	24	23	20	26	20	21	23	21	18	15	19	18	22	23	23	22	22
	UQ																								
	LQ																								
foF1	MED										370	360	U 400	U 400	U 390	U 380	350								
	CNT										3	4	5	6	[illegible]	4	1								
foE	MED								U 160	190	230	260	280	280	280	270	260	220	185	E 160					
	CNT								7	24	23	27	26	26	25	23	25	23	10	1					
h'E	MED									120	110	110	110	110	110	110	115	115	125						
	CNT									14	20	26	25	26	23	24	25	10	2						
foEs	MED	E 14	E 12	E 12	E 12	E 12	E 16	E 16	E 16	17	U	U	U	U	U	U	20	24	20	E 16	E 16	E 16	E 16	E 16	E 16
	CNT	22	14	22	16	14	25	25	26	25	220	27	28	26	22	27	26	25	27	27	25	25	25	25	24

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

FEBRUARY, 1962

TABLE 28

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	30	31	32	30	25	23	26	42	55	60	64	65	65	66	66	64	60	50	44	42	36	33	31	30
	CNT	27	27	26	27	27	27	26	26	26	26	26	28	28	27	27	26	27	27	27	27	27	27	27	27
	UQ	33	34	34	33	30	27	29	50	61	66	66	72	72	72	73	72	74	68	58	46	39	37	35	33
	LQ	27	27	27	26	22	20	21	38	50	57	60	60	63	60	64	60	54	47	40	36	30	30	27	27
h'F2	MED									240	238	230	240	248	240	235	240	245							
	CNT									3	6	9	14	12	13	15	5	1							
	UQ									300	245	275	250	260	252	250	270								
	LQ									230	220	225	230	235	230	235	225								
h'F	MED	270	265	270	260	260	250	245	220	215	215	212	212	212	215	220	225	220	215	220	225	238	260	265	268
	CNT	27	27	26	27	27	27	26	26	26	28	26	28	28	27	27	26	27	27	27	27	27	27	27	27
	UQ	280	285	275	270	265	272	260	235	220	228	220	218	220	225	230	230	230	230	228	235	258	270	280	290
	LQ	260	250	255	250	250	242	230	215	210	208	205	205	202	210	210	220	210	210	210	220	230	245	250	260
M(3000)F2	MED	296	292	294	296	300	300	306	354	374	362	362	356	350	362	353	358	356	348	334	330	311	302	296	293
	CNT	27	27	26	27	27	26	26	26	26	28	26	28	28	27	27	26	27	27	27	27	27	27	27	27
	UQ	300	300	300	308	308	319	316	361	362	375	375	368	360	371	369	370	375	355	344	349	332	315	310	303
	LQ	289	282	289	286	290	293	295	343	351	351	345	352	336	347	347	338	346	337	321	316	289	290	287	288
foF1	MED										335	400	365	405	370	350									
	CNT										2	1	2	2	3	1									
foE	MED								132	198	230	260	260	280	270	258	230	200	E 160						
	CNT								24	26	27	26	26	27	27	24	23	19	15						
h'E	MED								U 128	112	109	107	107	107	107	107	110	114	122						
	CNT								16	26	28	26	28	28	27	27	26	26	2						
foEs	MED	E	E	E	E	E	E 14	E 12	E 13	E 20	E 23	E 26	E 28	E 26	E 27	E 26	25	22	E 16	E 13	E 16	E 14	E 16	E 16	E [illegible]
	CNT	27	27	26	27	27	27	26	26	26	270	26	28	28	27	27	26	27	27	27	27	27	27	27	27

SWEEP 1.0 MC TO 25.0 MC IN 3 MINUTES.

FEBRUARY, 1962

TABLE 24

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

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	34	33	32	32	30	30	29	39	60	64	70	70	69	69	68	66	63	59	50	46	39	34	32	34
	CNT	29	27	26	28	27	28	27	27	27	25	26	26	27	26	28	27	28	27	26	25	24	26	24	26
	UQ	35	35	35	35	34	31	31	51	63	72	74	74	76	76	73	73	71	64	59	49	43	37	34	36
	LQ	24	30	30	29	28	24	24	37	55	60	65	66	65	62	61	63	57	51	40	38	36	31	30	27
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										29	30	31	30	30	32	31	31	30	29					
	CNT	28	28	28	28	28	28	26	28	28	280	28	28	28	28	28	28	28	28	28	28	27	28	28	28

SWEEP 2.0 MC TO 13.0 MC IN 50 SECONDS. FEBRUARY, 1962

TABLE

GOTTENS, SWITZERLAND (46.6°N, 6.7°E) 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	315	32	31	32	31	30	255	285	455	47	60	675	66	67	655	66	65	57	505	45	41	35	33	315
	CNT	28	28	28	28	28	28	26	28	28	27	27	28	27	27	26	27	28	28	28	28	27	27	27	26
	UQ																								
	LQ																								
h'F2	MED												260	270											
	CNT									1	1	4	5	5	4	4									
	UQ																								
	LQ																								
h'F	MED	285	285	280	280	280	275	270	250	230	225	215	215	215	220	220	210	230	225	220	230	235	250	270	275
	CNT	28	28	28	28	26	27	26	27	28	28	28	28	27	26	27	27	28	28	28	27	28	28	27	27
	UD																								
	LQ																								
M(3000)F2	MED	295	300	295	295	295	300	310	315	350	355	350	345	340	350	350	340	350	360	345	320	320	310	305	295
	CNT	27	27	27	28	28	27	24	25	22	20	18	20	23	23	24	24	24	20	22	23	24	26	26	25
	UQ																								
	LD																								
foF1	MED												410												
	CNT									1	1	4	5	4	3	3									
foE	MED										230	270	280	290	290	260	270	250	220						
	CNT										22	25	26	24	24	23	22	23	12						
h'E	MED										120	110	110	100	110	110	110	115	120						
	CNT										24	23	26	26	25	25	24	27	15						
foEs	MED	E	E	E	E	E	E	E	E	E	G	G	G	G	G	G	G	G	215	E	E	E	E	E	E
	CNT	28	28	28	28	28	28	28	28	28	280	28	28	28	28	28	27	28	28	28	28	28	28	28	28

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS. FEBRUARY, 1962

TABLE 31

WAKKANAI, JAPAN (45.4°N, 141.7°E) 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	36	36	36	36	35	33	34	50	63	68	72	77	77	73	71	67	60	50	38	34	32	33	35	36
	CNT	17	19	21	20	18	17	22	26	27	26	26	27	27	27	27	27	27	27	27	27	25	23	18	17
	UQ	44	41	40	40	38	39	36	56	66	76	83	83	84	78	75	75	70	58	46	42	40	38	40	44
	LQ	34	33	35	33	33	30	29	46	60	64	64	68	68	66	66	64	57	41	34	32	30	31	31	34
h'F2	MED										245	260	255	260	255	250	245								
	CNT										2	8	12	16	12	3	1								
	UQ																								
	LD																								
h'F	MED	305	280	270	260	250	250	260	240	230	230	230	230	225	225	230	235	225	220	235	260	280	300	315	310
	CNT	27	27	27	27	27	27	27	27	27	26	26	27	27	27	27	27	27	27	27	27	27	27	27	27
	UQ																								
	LQ																								
M(3000)F2	MED	290	295	300	300	305	310	315	340	340	340	335	335	345	340	340	350	355	340	320	320	305	295	280	285
	CNT	17	19	21	20	18	17	22	26	27	26	26	27	27	27	27	27	27	27	27	27	25	23	18	17
	UQ																								
	LQ																								
foF1	MED										390	410	410	410	410	400									
	CNT										1	6	14	14	10	2									
foE	MED								215	225	260	285	300	300	295	290	290	280							
	CNT								1	21	25	25	26	26	27	27	26	8							
h'E	MED																								
	CNT																								
foEs	MED	E	E	E	E	E	E	E	27	G	G	G	G	G	G	G	G	E	E	E	E	E	E	E	E
	CNT	27	27	27	27	26	27	26	4	24	261	26	27	27	27	27	27	24 15	11	27	27	26	27	27	27

SWEEP 1.0 MC TO 18.0 MC IN 1 MINUTE. FEBRUARY, 1962

TABLE 32

ROME, ITALY (41.8°N, 12.5°E) 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	34	34	34	34	34	33	30	41	61	64	69	72	75	70	68	67	70	59	52	44	40	37	36	34
	CNT	23	23	24	24	24	25	25	25	24	26	24	23	27	26	26	24	24	23	18	22	16	16	23	25
	UQ	37	37	36	37	37	34	33	46	67	74	75	78	80	81	78	80	78	73	61	58	47	40	39	39
	LQ	30	32	33	33	32	31	27	36	57	64	64	66	67	66	62	62	66	53	41	34	37	35	32	32
h'F2	MED											1				1									
	CNT																								
	UD																								
	LQ																								
h'F	MED	290	290	290	290	270	250	260	240	230	220	210	220	220	220	220	230	240	230	230	250	250	250	260	290
	CNT	25	25	25	26	26	26	26	27	27	27	26	26	28	27	27	25	26	25	25	23	24	22	26	26
	UD	300	300	300	300	290	270	290	250	240	230	230	230	240	240	230	240	250	240	240	260	250	290	300	310
	LD	270	270	260	260	260	250	240	240	220	210	210	210	210	210	200	210	220	220	210	240	240	240	250	270
M(3000)F2	MED	295	290	295	285	290	300	305	320	345	340	335	335	335	335	340	325	340	335	325	315	320	320	305	285
	CNT	23	23	19	21	22	22	19	26	22	22	22	24	26	26	26	24	23	22	16	20	15	16	21	25
	UQ	305	300	300	300	305	320	335	339	350	350	345	340	340	345	350	335	350	350	335	325	325	325	310	300
	LQ	270	280	280	275	280	290	270	315	335	335	320	325	330	330	320	320	335	325	315	300	290	305	285	275
foF1	MED											1				1									
	CNT																								
foE	MED									200	260	290	300	310	310	300	280	240	200						
	CNT									20	25	25	25	26	26	24	23	23	13						
h'E	MED									130	110	110	110	110	110	110	110	120	130						
	CNT									21	26	21	27	27	27	25	22	21	16						
foEs	MED																								
	CNT	26	26	26	26	26	26	26	27	27	270	25	27	26	28	28	25	26	26	25	25	24	24	26	27

SWEEP 1.0 MC TO 15.0 MC IN 5 MINUTES, AUTOMATIC. FEBRUARY, 1962

TABLE 33

FT. MONMOUTH, NEW JERSEY (40.4N, 74.1W) TIME 75.0M

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	315	30	28	29	295	28	25	42	575	61	69	70	74	715	72	735	70	64	58	50	43	34	305	295
	CNT	24	26	23	22	22	21	23	27	26	26	27	28	26	28	27	28	27	27	27	27	27	27	26	26
	UD	38	33	33	33	34	32	30	50	65	72	76	82	85	88	85	83	80	77	72	61	54	48	42	40
	LQ	26	24	25	26	27	23	23	37	53	57	63	66	70	67	69	68	66	58	48	42	35	28	26	25
h'F2	MED										U 233	250	255	2595	260	256	248	240							
	CNT									1	9	17	27	26	25	26	25	16							
	UQ										252	257	263	270	270	262	250	246							
	LD										224	240	240	252	252	245	240	230							
h'F	MED	270	U 270	U 266	U 260	250	U 2435	E 255	220	2105	2065	202	203	E 205	200	200	2105	219	215	211	220	225	241	U 260	U 264
	CNT	25	27	26	26	25	24	24	27	26	26	27	28	26	28	27	28	27	27	28	28	28	28	27	27
	UQ	282	289	280	276	260	263	282	230	215	210	211	213	212	219	210	218	225	225	219	229	232	250	270	281
	LQ	265	260	260	255	239	235	234	214	202	200	188	194	195	196	190	203	209	209	210	216	218	230	249	254
M(3000)F2	MED	305	310	305	3075	315	315	320	350	360	350	345	335	335	335	335	335	340	345	330	325	325	315	310	310
	CNT	23	22	20	20	19	19	20	27	26	26	27	28	26	28	27	28	27	27	27	27	27	26	26	25
	UQ	315	315	325	310	330	330	330	355	370	360	355	340	345	345	345	345	350	350	340	335	340	320	315	315
	LQ	300	305	290	300	310	310	305	335	350	340	330	325	325	320	325	330	325	330	325	315	315	310	300	300
foF1	MED														420	400									
	CNT											1	1	3	5	5	1								
foE	MED									235	270	290	310	315	305	290	2725	250	U 210						
	CNT								3	17	21	23	23	23	26	21	22	15	5						
h'E	MED									E 112	109	109	108	105	106	107	109	115	1235						
	CNT								3	25	26	27	27	23	27	27	28	25	10						
foEs	MED																								
	CNT	26	27	27	26	26	25	25	27	26	260	27	28	26	28	27	28	27	27	28	28	28	28	27	27

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. FEBRUARY, 1962

TABLE 34

AKITA, JAPAN (39.7N, 140.1E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	34	35	35	36	36	34	36	53	64	68	78	83	84	78	73	71	61	52	40	39	36	34	35	35
	CNT	16	16	18	18	21	22	24	28	28	26	26	25	24	24	26	27	27	26	26	27	26	24	23	18
	UQ	40	45	40	37	38	36	38	61	76	80	83	92	93	86	77	75	70	61	45	41	38	38	38	39
	LQ	32	32	33	32	32	31	29	50	59	62	66	72	74	70	67	66	60	48	35	36	34	30	31	31
h'F2	MED								265	235	250	255	270	255	255	255	250	245							
	CNT								1	5	17	22	24	23	24	26	20	6							
	UQ																								
	LD																								
h'F	MED	300	295	290	280	250	260	255	245	240	240	230	240	235	230	235	235	240	225	240	245	245	270	295	300
	CNT	26	26	26	28	27	28	28	28	28	26	26	25	25	25	26	27	27	26	26	26	25	24	26	27
	UQ																								
	LQ																								
M(3000)F2	MED	285	290	300	300	310	300	300	345	350	345	340	330	340	340	340	355	345	345	315	310	315	295	290	280
	CNT	16	16	18	18	21	22	24	28	28	26	26	25	24	24	26	27	27	26	26	27	26	24	23	18
	UQ																								
	LD																								
foF1	MED										360		U 420	430	U 420	400	U 340								
	CNT										1		4	5	6	5	1								
foE	MED								190	250	280	300	310	310	305	300	270	220	E						
	CNT								9	40	21	23	20	22	23	25	23	11	2						
h'E	MED																								
	CNT																								
foEs	MED	E	E	E	E	E	E	E	G	G	G		33	35	32	G	G		28	G		E	E	E	E
	CNT	27	27	28	28	27	28	28	28	28	240	25	24	25	24	26	26	27	25	25	26	27	27	26	26

SWEEP 1.0 MC TO 20.0 MC IN 20 SECONDS. FEBRUARY, 1962

TABLE 35

TOKYO, JAPAN (35.7N, 139.5E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	33	34	34	34	34	30	32	58	64	68	82	88	89	86	71	71	63	57	42	40	36	32	32	34
	CNT	27	26	27	24	25	23	25	26	25	27	28	26	28	27	27	26	27	27	27	25	27	27	27	27
	UD	38	40	36	36	38	33	35	64	76	82	86	97	102	93	83	76	69	62	49	42	38	36	36	36
	LD	30	32	32	32	30	27	28	50	58	63	69	73	82	74	67	67	59	51	36	32	33	29	30	31
h'F2	MED									215	250	250	260	250	250	250	245	E 245	E 240						
	CNT									3	13	20	27	25	26	23	15	3	2						
	UQ																								
	LQ																								
h'F	MED	300	280	260	260	240	250	260	215	215	220	220	220	215	215	215	210	220	215	210	250	240	260	295	300
	CNT	24	25	27	25	26	20	23	27	27	27	27	27	27	27	27	26	26	27	26	26	27	25	24	24
	UQ																								
	LQ																								
M(3000)F2	MED	285	295	300	305	315	300	305	340	355	335	330	330	335	330	330	345	345	340	330	310	320	295	295	285
	CNT	26	25	25	24	25	23	25	25	23	26	28	26	28	27	27	26	27	27	27	25	26	27	26	26
	UQ																								
	LQ																								
foF1	MED													U 460	U 450										
	CNT													2	1										
foE	MED								U 205	255	295	315	330	340	320	320	285	235	185						
	CNT								5	23	21	15	16	13	16	12	15	8	2						
h'E	MED																								
	CNT																								
foEs	MED	E	E	E	E	E	E		G	G						G		U							
	CNT	10	7	20	22	17	8	24 4	8	24	32 250	34 24	36 22	36 23	34 22	22	30 24	18	24 9	26 6	24 5	10	9	[illegible]	[illegible]

SWEEP 1.0 MC TO 20.0 MC IN 20 SECONDS. FEBRUARY, 1962

TABLE 36

YAMAGAWA, JAPAN (31.2N, 130.6E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	34	35	34	35	34	29	28	39	63	70	77	93	98	105	101	86	79	69	60	44	44	41	35	34
	CNT	24	25	25	26	24	25	24	25	25	27	27	28	28	27	26	25	25	25	26	26	25	23	23	23
	UQ	38	36	37	38	37	35	32	46	68	77	91	102	111	118	107	96	82	78	66	55	50	45	40	38
	LQ	31	31	32	32	31	26	23	34	58	61	67	74	90	90	88	74	65	63	55	41	36	33	31	32
h'F2	MED									275	270	280	280	280	270	260	255	250	U 245						
	CNT									1	20	28	28	28	27	27	24	17	2						
	UD																								
	LD																								
h'F	MED	305	315	300	280	250	250	E 300	260	240	235	235	240	225	225	225	225	230	240	230	240	250	260	290	305
	CNT	25	24	26	26	25	20	20	25	26	27	27	26	24	24	27	27	27	27	27	27	27	27	27	23
	UD																								
	LD																								
M(3000)F2	MED	290	290	290	300	315	305	290	315	345	335	330	320	320	320	330	330	340	340	345	320	310	310	295	290
	CNT	24	25	25	26	24	25	24	25	25	27	27	28	28	27	26	25	25	25	26	26	25	23	23	23
	UQ																								
	LQ																								
foF1	MED												460	460	460	450	430	U 360	U 290						
	CNT												12	16	17	15	7	2	1						
foE	MED									220	270	305	320	330	330	320	315	280	230						
	CNT									66	27	26	25	22	21	23	25	25	23						
h'E	MED																								
	CNT																								
foEs	MED	28	25	20	E	E	22	21	G	G	G		34	38	38	33	G	G		22	26	25	24	26	26
	CNT	4	8	13	24	24	4	1	7	26	270	27	28	26	27	26	27	25	25	5	6	8	8	4	8

SWEEP 1.0 MC TO 20.0 MC IN 20 SECONDS. FEBRUARY, 1962

TABLE 37

GRAND BAHAMA I. (26.6°N, 78.2°W) 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	40	395	40	43	415	34	36	45	64	69	70	745	80	84	81	76	72	73	67	47	38	39	37	37
	CNT	24	26	25	27	26	25	26	26	28	28	27	28	28	28	27	27	27	27	27	26	25	25	22	21
	UQ	43	43	43	46	43	40	39	52	98	76	83	93	90	94	94	87	82	80	75	59	46	44	42	44
	LQ	36	37	38	40	37	30	31	43	60	66	66	70	72	74	72	70	65	65	61	41	33	33	34	34
h'F2	MED										250	264	2745	278	2795	2745	263	280							
	CNT									2	18	23	28	28	28	26	27	17	4						
	UD										257	270	282	292	288	280	271	288							
	LQ										246	255	270	269	270	260	259	294							
h'F	MED	E	E		E	U	E	E		229	229	223	219	E	U	2155	210	215	E	219	235	219	210	E	E	E	E
	CNT	28	28	28	28	28	28	27	26	28	27	26	27	27	26	24	23	24	27	27	26	26	26	27	27
	UQ	270	272	261	242	235	266	277	240	232	243	230	225	225	228	220	225	230	241	220	211	248	270	270	274
	LQ	250	241	240	225	217	220	240	220	208	232	201	200	205	202	209	208	204	229	212	205	228	233	248	252
M(3000)F2	MED	310	310	310	325	340	310	300	3375	345	345	330	325	320	325	3225	330	330	3375	345	340	305	310	300	300
	CNT	21	26	24	27	26	25	23	26	28	28	27	27	27	28	26	26	27	26	27	25	24	24	21	21
	UQ	320	320	325	340	350	330	305	340	350	355	340	335	335	335	340	340	335	345	355	350	320	325	310	315
	LQ	300	300	305	315	320	300	290	330	340	340	320	315	310	310	315	320	320	330	335	335	295	305	290	300
foF1	MED												450	445	450	430									
	CNT											1	13	10	13	13	3								
foE	MED								175	230	280	310	320	340	335	330	305	280	230						
	CNT								10	25	23	19	13	16	15	14	16	16	12						
h'E	MED									112	1095	108	109	109	109	109	E 110	E 112	118						
	CNT								4	27	28	26	27	25	25	22	22	24	23						
foEs	MED											32	345	375	355	33	31	30	26	18	22	185			
	CNT	27	27	27	27	27	27	26	21	28	280	27	28	28	26	25	25	26	27	27	25	26	25	25	26

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

FEBRUARY, 1962

TABLE 38

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	U 42	U 38	U 38	38	U 30	23	27	54	68	82	97	111	115	122	U 130	122	U 122	U 112	U 92	80	71	U 67	U 52	46
	CNT	28	27	26	28	27	25	18	28	28	28	27	27	28	28	28	28	28	28	28	28	28	28	28	28
	UQ	48	45	40	43	37	28	33	60	76	90	112	127	140	141	139	136	147	131	119	92	82	78	69	57
	LQ	33	31	32	32	25	21	24	49	64	70	75	91	100	115	117	108	104	92	76	66	60	57	46	34
h'F2	MED									U 250	265	285	280	290	290	265	255	245	220						
	CNT									3	11	19	27	27	27	28	26	25	1						
	UQ																								
	LD																								
h'F	MED	U 270	U 265	U 250	U 235	U 230	E 260	E 320	240	235	230	U 225	U 210	210	210	U 215	U 215	220	225	210	U 220	U 230	U 240	U 245	U 260
	CNT	28	28	27	28	27	22	14	28	28	28	27	21	24	28	26	26	28	28	28	28	28	26	28	25
M(3000)F2	MED	U 290	285	300	320	330	320	U 290	340	340	330	315	320	315	315	320	320	325	335	330	315	310	315	U 305	U 300
	CNT	26	26	24	26	24	20	13	28	28	28	27	25	25	27	23	24	19	20	23	25	25	24	25	25
	UQ	205	300	315	345	360	340	305	350	350	345	330	335	320	325	335	330	335	345	340	330	320	325	310	310
	LQ	280	275	290	310	310	285	285	330	325	305	300	310	305	310	315	320	315	330	325	300	300	300	295	285
foF1	MED											U 460	U 460	U 470	U 470	U 450	U 410		480						
	CNT											0	15	17	14	11	2		1						
foE	MED									285	U 310	U 320	U 350	U 320	U 350		310	U 280	235						
	CNT									1	12	8	3	1	1		2	8	1						
h'E	MED									E 119	U 113	U 110	U 111	E 111	E 117	E 115	U 113	U 114							
	CNT									5	24	22	15	11	3	7	14	14							
foEs	MED										33	37	40	40	38	35	31	28	24						
	CNT	28	28	28	28	28	27	26	19	25	280	27	27	28	28	27	27	28	20	25	28	28	27	28	28

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS.

FEBRUARY, 1962

TABLE 39

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	60	54	53	48	41	36	36	62	75	80	87	90	93	95	94	97	98	96	96	93	92	93	97	88
	CNT	19	21	23	22	21	19	18	24	25	25	24	26	26	25	26	25	25	26	26	24	24	19	22	21
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LD																								
M(3000)F2	MED	310	310	310	320	320	330	310	330	295	265	240	220	225	235	235	235	240	240	255	260	280	290	320	345
	CNT	18	19	22	22	21	19	17	24	25	25	24	26	25	25	26	25	25	26	25	22	22	15	16	18
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED	90	90	100	90	100		110	215	280	320	350	360	365	360	345	330	300	260	180	140				
	CNT	1	2	1	3	3		6	14	40	19	19	21	21	17	16	16	12	12	4	1				
h'E	MED																								
	CNT																								
foEs	MED	E 10	E 9	E 10	16	24	24	G	26	31	36	38	32	38	U	40	39	35	34	26	30	24	26	26	19
	CNT	23	23	23	22	22	23	22	24	25	250	24	26	26	24	24	26	25	28	26	25	26	24	24	25

SWEEP 0.67 MC TO 25.0 MC IN 5 MINUTES. AUTOMATIC.

FEBRUARY, 1962

TABLE 40

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	56	56	46	37	34	34	46	54	58	60	70	70	75	82	84	86	85	76	70	62	59	58	57	58
	CNT	15	15	15	15	16	16	18	18	18	18	18	17	17	18	18	18	18	19	20	20	20	20	18	15
	UQ																								
	LD																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	295	300	310	300	300	310	330	330	320	305	300	300	300	300	310	310	320	325	325	310	300	285	290	290
	CNT	14	14	15	15	16	16	18	18	18	17	18	17	17	18	18	18	18	19	19	19	19	20	17	14
	UQ																								
	LD																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	37	31	32	27	24	17	31	45	47	50	45	49	44	40	38	38	34	33	32	28	22	31	35	30
	CNT	19	18	18	18	18	17	18	18	18	180	18	17	17	17	18	17	18	19	20	20	20	20	20	19

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

FEBRUARY, 1962

TABLE 41

MUNDARING, W. 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	42	42	40	37	34	32	39	51	56	60	66	68	72	72	77	71	72	70	67	64	U 66	58	46	44
	CNT	20	24	25	26	26	27	27	26	27	23	22	22	24	25	23	23	26	26	25	15	13	14	17	22
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	E 275	E 270	E 250	E 250	E 260	E 250	250	230	220	210	205	205	200	200	210	210	235	220	235	240	E 230	E 240	E 265	E 280
	CNT	22	24	26	25	25	27	27	25	23	21	18	18	17	19	17	19	20	19	25	26	26	24	25	23
	UQ																								
	LQ																								
M(3000)F2	MED	300	300	305	310	310	310	320	330	325	320	310	300	300	295	305	305	310	310	315	320	310	305	300	300
	CNT	19	23	24	26	25	26	26	25	25	21	22	22	24	25	23	23	26	26	25	14	13	14	16	22
	UQ																								
	LQ																								
foF1	MED									410	440	460	470	480	480	460	450	430	400						
	CNT								3	10	16	18	18	18	20	17	20	16	5	1					
foE	MED							180	240	280	310	330	345	350	350	345	340	315	280	220					
	CNT							18	23	25	200	21	20	18	17	19	17	22	22	16					
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.6 MC TO 20.0 MC IN 18 SECONDS. FEBRUARY, 1962

TABLE 42

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	51	U 48	46	39	36	31	42	52	54	60	U 65	U 67	67	66	69	69	U 71	66	63	U 64	60	U 60	56	U 58
	CNT	23	25	23	23	23	23	24	24	24	15	21	18	20	20	21	22	23	28	27	28	24	23	25	21
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	285	310	320	310	300	305	340	330	325	310	310	310	310	310	310	310	320	325	325	320	300	290	285	290
	CNT	8	8	13	14	13	15	20	19	13	80	15	10	13	12	14	19	15	22	16	14	7	6	5	7
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS. FEBRUARY, 1962

TABLE 43

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

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	47	44	39	35	32	29	40	U 50	60	D 57	U 64	66	66	63	64	66	62	63	62	U 62	U 65	D 55	D 50	46
	CNT	11	14	14	19	16	15	17	15	12	14	11	7	10	12	11	11	17	20	20	19	17	15	13	11
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	315	310	310	315	315	310	355	350	350	345	340	340	330	325	335	320	320	330	330	335	330			305
	CNT	5	11	10	14	11	10	14	7	9	60	6	5	7	9	9	11	15	18	15	11	6	4	2	5
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 1 MINUTE 55 SECONDS. FEBRUARY, 1962

TABLE 44

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	64	64	62	54	55	55	61	61	64	79	81	75	77	74	68	66	66	66	71	70	70	69	66	66
	CNT	15	15	13	20	22	20	22	23	23	21	23	25	26	24	24	24	23	22	21	22	16	11	13	12
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	285	280	285	290	290	290	320	315	300	300	300	310	310	320	320	315	330	325	320	320	305	305	300	300
	CNT	11	11	11	15	18	14	18	21	18	20	22	23	24	23	24	23	22	20	18	19	13	8	7	8
	UQ																								
	LQ																								
foF1	MED						250	320	400	410	450	460	470	460	460	460	440	U 430	U 410	320					
	CNT						1	1	3	5	11	12	11	12	9	13	7	7	3	1					
foE	MED						140	230	260	270	310	315	335	335	330	330	320	290	265	U 220	150				
	CNT						11	8	6	3	3	5	4	5	5	8	9	5	4	1	1				
h'E	MED																								
	CNT																								
foEs	MED	J 29	J 29	J 26	J 24	J 26	G	25	J 34	J [illegible]	J 45	J 44	J 41	J 42	J 47	J 42	J 47	J 36	J 40	J 48	J 41	J 34	J 35	J 31	J 38
	CNT	17	15	16	18	14	22	25	26	26	260	24	25	26	26	27	25	26	22	24	23	18	15	20	19

SWEEP 0.67 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. FEBRUARY, 1962

TABLE 45

TROMSÖ, NORWAY (69.7N, 19.0E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED		19	19	19	18	20	19	19	40	38	38	44	47	46	41	34	27	24	22	22		22		
	CNT	2	6	10	13	15	14	11	13	17	23	20	24	24	21	21	22	18	14	10	6	4	6	2	3
	UQ		24	27	26	25	23	22	22	24	33	46	50	52	54	50	42	38	31	26	24		23		
	LQ		14	14	14	14	16	16	17	18	22	31	40	42	40	36	29	23	18	18	18		18		
h'F2	MED											1	1	2	1										
	CNT																								
	UD																								
	LQ																								
h'F	MED					290	295			260	240	225	230	220	220	220	225	225	220						
	CNT		4	3	4	5	7	4	3	9	19	20	23	23	21	24	20	15	8	2	3				
	UQ					300	295			240	230	240	240	240	225	240	240	240	235						
	LQ					270	250			245	235	215	220	210	210	210	210	210	215						
M(3000)F2	MED			290	290	290	290	290	290	305	316	325	330	335	335	330	310	310	310						
	CNT		3	7	7	12	11	9	12	13	20	18	23	20	19	19	18	11	10	2	3	2	3	2	2
	UQ			290	295	290	305	305	300	310	310	330	335	335	335	335	325	325	310						
	LD			285	280	280	280	280	290	290	305	310	315	330	330	315	310	310	305						
foF1	MED																								
	CNT																								
foE	MED											150	165	160	160										
	CNT			1	1	1					1	6	6	5	7	2									
h'E	MED																								
	CNT			1	1						1		1		2										
foEs	MED	36	32	32	32	28	30	27	22	30	18	25	27	26	26	18	21	30	32	35	39	32	32	32	32
	CNT	26	25	26	24	17	12	10	11	10	140	21	21	20	20	19	11	20	14	15	16	24	20	22	24

SWEEP 0.7 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. JANUARY, 1962

TABLE 46

KIRUNA, SWEDEN (67.8N, 20.4E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	47	24	23	22	20	14	18	20	23	29	40	46	50	47	46	37	31	24	24	20	16	17	25	24
	CNT	4	11	12	13	18	17	10	10	22	30	49	31	31	30	29	26	24	18	7	6	5	3	4	5
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	310	310	310	295	290	285	U 280	300	245	225	220	210	210	210	210	210	220	225	240	270	285	300	300	310
	CNT	10	16	17	19	18	13	6	6	17	30	31	31	31	30	30	27	25	14	9	10	4	5	7	11
	UQ																								
	LD																								
M(3000)F2	MED	295	300	300	300	300	300	315	320	320	340	350	350	380	350	350	340	340	340	330	310	340	320	300	300
	CNT	4	11	10	12	16	15	10	6	22	29	28	31	29	30	28	25	24	17	7	6	5	3	4	4
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED										125	160	150	180	U 170	140									
	CNT										2	2	7	5	5	4									
h'E	MED												110	105											
	CNT												1	1											
foEs	MED	30	32	30	30	35	30	40	38	30	25							40	40	37	44	47	52	53	50
	CNT	16	17	17	11	10	11	11	7	7	180	25	26	26	27	24	9	9	7	12	7	10	10	11	15

SWEEP 0.8 MC TO 15.0 MC IN 30 SECONDS. JANUARY, 1962

TABLE 47

SODANKYLÄ, FINLAND (67.4N, 26.6E) 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		20	16	28	27	22	15	14	24	34	40	45	52	54	49	45	40	33	21	20	19		35	30
	CNT		1	2	1	2	5	2	2	1	4	14	17	18	19	19	23	12	8	4	2	3		2	1
	UQ						29				36	44	52	57	62	53	53	46	40	35		20			
	LQ						18				26	36	41	46	47	47	41	35	28	24		16			
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	330	320	300	300	290	290	275	290	260	235	215	210	210	210	210	210	210	220	240	250	290	300	300	320
	CNT	16	22	25	26	29	26	25	24	24	30	30	30	30	29	30	30	29	27	26	17	18	17	17	18
	UQ	350	330	328	340	324	300	300	300	285	250	230	215	215	218	210	220	228	235	260	290	340	340	320	340
	LQ	310	305	300	290	278	270	260	270	250	225	210	210	210	207	200	200	205	210	215	230	250	260	285	310
M(3000)F2	MED			280		302	295	310	298	300	315	325	335	338	345	340	330	330	330	330	310	295		292	290
	CNT			2		2	4	2	2	1	3	12	13	16	18	17	20	10	7	3	2	2		2	1
	UQ						302				320	333	340	343	350	345	340	335	335	330					
	LQ						290				313	318	327	328	335	335	330	320	330	325					
foF1	MED																								
	CNT																								
foE	MED										130	150	180	195	200	175	150	115							
	CNT										3	11	9	16	11	15	16	4							
h'E	MED										130	113	140	135	140	132	150	125							
	CNT										3	10	9	15	10	14	15	2							
foEs	MED	25	24	23	23	23	22	21	E 10	15	19	23	30	33	31	25	24	23	18	17	23	23	22	23	24
	CNT	24	27	26	30	30	30	28	23	29	250	23	27	20	23	19	23	22	28	29	30	25	26	27	28

SWEEP 1.0 MC TO 16.0 MC IN 8 MINUTES, AUTOMATIC. JANUARY, 1962

TABLE 48

LYCKSELE, SWEDEN (64.7N, 18.8E) 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 17	U 15	13	13	13	15	15	16	22	36	45	52	55	54	49	46	36	27	20	18	18	18	U 18	U 18
	CNT	19	25	27	28	27	26	25	24	30	31	31	31	31	29	30	30	30	28	27	26	17	16	16	12
	UQ																								
	LD																								
h'F2	MED												1												
	CNT																								
	UQ																								
	LQ																								
h'F	MED	285	270	265	260	265	260	255	250	240	215	210	210	210	210	210	210	210	210	215	245	275	270	275	280
	CNT	8	13	19	17	17	19	18	20	28	30	31	31	31	30	30	30	30	27	20	20	11	7	4	5
	UQ																								
	LQ																								
M(3000)F2	MED	280	280	280	280	295	300	300	300	310	330	330	330	340	340	340	330	330	315	315	300	300	300	U 280	U 270
	CNT	11	15	22	25	24	22	20	19	29	31	31	30	31	29	30	30	30	26	24	22	14	15	10	6
	UQ																								
	UD																								
	LQ																								
foF1	MED																								
	CNT												1												
foE	MED									100	140	165	180	185	180	170	140	100							
	CNT									4	17	16	20	22	17	16	18	1							
h'E	MED									U 140	115	110	125	125	125	140	140	130							
	CNT									1	9	10	8	8	7	4	6	1							
foEs	MED	31	30	32	30	31	30	29	30	32	35	36	38	40	37	35	34	30	30	U 30	U 31	U 32	30	30	31
	CNT	30	30	30	30	30	30	30	29	29	310	30	31	31	31	31	31	31	31	31	30	30	30	30	29

SWEEP 0.33 MC TO 20.0 MC IN 3 MINUTES. JANUARY, 1962

TABLE 49

NURMIJARVI, FINLAND (60.5N, 24.6E) TIME 00.0

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						13		19		37	30	26	23	21	20	22	20	17	16		19	24		
	CNT						1		1		9	15	12	14	16	14	14	11	12	11		1	1		
	UQ										42	58	60	60	65	60	58	44	45	44					
	LQ										31	43	49	51	56	48	47	41	35	30					
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	315	325	310	290	300	300	300	300	290	270	210	210	205	210	210	205	200	205	220	245	280	305	300	300
	CNT	12	14	16	15	15	12	9	7	19	30	31	31	31	31	31	31	34	30	27	18	9	0	0	5
	UQ	380	370	370	320	330	330	315	310	300	220	210	220	210	210	210	210	205	210	230	280	300	330	350	310
	LQ	300	300	300	290	290	290	280	300	270	205	200	200	200	205	205	200	200	200	210	220	280	300	295	295
M(3000)F2	MED						335		300		340	358	360	358	364	357	350	355	345	355		340	330		
	CNT						1		1		9	16	12	14	16	14	13	11	12	11		1	1		
	UQ										355	363	365	370	365	360	360	360	360						
	LQ										330	335	355	350	355	350	348	350	330	350					
foF1	MED																								
	CNT																								
foE	MED										170	180	205	210	208	210	192	170							
	CNT										1	5	7	4	2	4	4	1							
h'E	MED																								
	CNT																								
foEs	MED	28	50	64	31	32	32	32	32	33	25	22	23	24	24	25	21	28	34	27	51	30	47	37	34
	CNT	4	3	2	5	3	4	5	3	2	90	13	15	13	13	10	12	7	4	4	2	3	4	4	4

SWEEP 1.0 MC TO 25.0 MC IN 1 MINUTE. JANUARY, 1962

TABLE 50

UPPSALA, SWEDEN (59.8N, 17.6E) 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	17	U 18	U 16	15	15	15	15	16	29	44	52	56	61	57	54	50	45	35	25	20	18	18	17	18
	CNT	23	26	30	30	29	30	27	27	31	31	31	31	31	31	31	31	30	29	29	27	24	22	22	21
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	U 290	U 280	295	U 280	U 285	U 245	U 250	U 255	225	215	210	210	210	210	210	210	210	210	215	240	U 265	U 275	U 260	U 275
	CNT	24	28	29	29	28	30	27	26	31	31	31	31	29	30	30	31	29	29	28	28	21	20	21	21
	UQ																								
	LQ																								
M(3000)F2	MED	280	U 280	U 280	280	280	290	290	290	310	330	340	340	340	340	330	330	330	320	320	310	300	290	280	280
	CNT	23	26	29	29	27	29	26	27	31	31	31	31	31	30	31	30	30	29	29	27	24	20	20	19
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED				U 65				U 90	140	180	195	215	225	220	190	170	120	95	U 100					
	CNT				1				1	21	17	20	26	23	23	25	18	10	3	1					
h'E	MED									125	115	115	115	115	115	120	130	125	145						
	CNT									8	7	12	13	8	8	14	8	1	1						
foEs	MED	24	23	23	23	23	24	23	23	23	32	29	35	31	32	27	29	24	23	24	23	23	23	23	23
	CNT	26	29	29	30	28	28	22	28	31	310	31	31	30	30	31	31	30	31	27	26	25	26	24	26

SWEEP 0.33 MC TO 20.0 MC IN 3 MINUTES. JANUARY, 1962

TABLE 51

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

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	23	20	19	18	19	17	18	18	24	41	53	54	63	61	58	54	52	42	36	26	21	18	19	19
	CNT	9	13	13	23	20	19	20	16	24	29	28	25	26	28	28	25	27	30	28	24	29	10	15	10
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	300	300	285	295	300	300	265	255	250	225	220	220	220	220	225	220	220	220	225	250	270	290	290	280
	CNT	20	24	24	25	24	15	17	12	25	30	30	30	29	29	29	29	29	29	27	20	12	7	5	4
	UQ																								
	LQ																								
M(3000)F2	MED	280	280	285	275	290	290	285	300	300	340	360	350	350	350	345	350	345	330	325	320	290	290	280	280
	CNT	9	11	13	21	20	11	13	10	22	28	27	24	26	28	28	23	26	30	26	24	19	12	11	8
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED									115	170	210	230	235	235	230	210	175							
	CNT									3	19	20	20	24	20	20	23	18							
h'E	MED									130	140	130	130	125	125	125	135	145							
	CNT									1	6	13	16	20	18	18	18	5							
foEs	MED		E	E	E	E	E	E	J	19	20	25	26	27	26	26	23	16	E 16	E 16	E 16	E 16	E 16	E 16	E 19
	CNT	14	10	10	10	11	11	11	18	29	300	29	24	29	29	29	29	29	29	30	27	26	26	26	28

SWEEP 0.67 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. JANUARY, 1962

TABLE 52

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

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	32	30	30	29	23	23	23	U 23	40	58	58	61	65	64	60	56	54	46	35	28	26	26	29	30
	CNT	27	28	29	27	26	28	27	27	28	25	28	29	29	29	28	27	29	30	27	29	25	24	25	28
	UQ																								
	LQ																								
h'F2	MED											225	215	235	225	230		220							
	CNT											1	0	12	9	4		1							
	UQ																								
	LQ																								
h'F	MED	270	260	250	260	260	E 245	235	U 240	220	220	220	215	215	215	230	220	215	210	215	E 230	250	E 255	E 270	
	CNT	24	27	24	24	22	4	8	5	28	27	31	26	29	29	27	28	27	27	13	14	8	8	7	9
	UQ																								
	LQ																								
M(3000)F2	MED	295	300	300	300	295	310	320	310	340	350	355	355	360	360	350	355	345	340	325	325	305	U 310	V 295	300
	CNT	21	22	23	20	18	16	20	12	25	41	22	26	27	27	24	26	26	28	23	25	20	19	21	19
	UQ																								
	LQ																								
foF1	MED													U 350		344									
	CNT													6		1									
foE	MED									180	210	240	260	270	260	250	220	170							
	CNT									16	19	24	22	19	23	17	25	19							
h'E	MED									U 140	110	115	110	110	115	120	120	135							
	CNT									8	14	28	28	26	40	22	22	5							
foEs	MED	E	E	E	E	E	E	E	E	14	22	23	23	25	25	21	22	17	E 16	E 16	E 16	E 16	E 16	E 16	E 17
	CNT	26	27	16	23	17	27	31	31	40	270	31	31	27	27	29	29	27	30	20	27	29	29	29	27

SWEEP 0.05 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. JANUARY, 1962

DOURBES, BELGIUM (50.1N, 4.6E) TIME 0.0E

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	32	32	32	28	24	24	24	30	47	60	60	60	64	61	59	52	50	41	33	27	27	28	32	31
	CNT	29	29	29	29	29	28	29	29	29	29	26	29	30	30	31	29	30	31	30	31	30	30	30	30
	UQ																								
	LQ																								
	LD																								
h'F2	MED										228	232	230	235	240	229	240								
	CNT										2	8	7	13	11	9	1								
	UQ																								
	LQ																								
h'F	MED	270	255	250	258	U 252	U 239	U 238	232	215	220	220	218	215	210	220	220	215	215	225	232	U 240	256	266	268
	CNT	29	29	29	29	29	28	29	29	29	30	28	30	31	30	31	31	30	31	31	31	30	30	30	30
	UQ																								
	LQ																								
M(3000)F2	MED	300	311	306	303	300	319	324	327	372	376	374	368	376	367	374	378	360	350	334	333	317	307	303	304
	CNT	29	29	29	29	29	28	29	29	28	29	26	29	30	29	31	29	30	31	30	31	30	30	30	30
	UQ																								
	LQ																								
foF1	MED										280			315	320										
	CNT										1			4	6										
foE	MED								E 110	150	208	232	250	255	245	230	195	E 180							
	CNT								5	15	20	24	28	27	25	24	23	21							
h'E	MED									U 123	E 122	U 116	114	114	115	118	U 117	E 121							
	CNT									21	26	29	30	31	30	30	25	3							
foEs	MED	E	E	E	E	E	E	E	E	G						G	G		E	E	E	E	E	E	E
	CNT	14	14	11			15	15	12	15	22	24	26	27	26	23	20	17	16	16	16	16	16	16	16
		28	28	28	28	28	29	29	29	29	290	29	30	31	31	31	30	29	31	30	30	29	29	29	29

SWEEP 1.0 MC TO 20.0 MC IN 3 MINUTES. JANUARY, 1962

TABLE 54

[illegible], SWITZERLAND (46.8N, 6.7E) 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	33	35	35	35	325	295	30	27	35	54	64	67	60	60	61	60	56	50	42	34	31	29	30	32
	CNT	28	28	30	28	28	28	27	28	30	30	29	29	30	30	31	30	27	30	31	30	26	30	28	29
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	280	280	270	270	270	260	250	250	225	220	220	220	200	200	240	225	220	220	220	230	240	250	270	280
	CNT	29	31	30	30	29	29	28	29	30	29	28	30	30	29	31	30	31	31	31	30	26	29	29	31
	UQ																								
	LQ																								
M(3000)F2	MED	295	295	300	305	305	310	325	325	340	365	360	365	365	360	350	350	360	360	335	330	330	315	305	300
	CNT	26	25	26	23	26	25	25	24	29	21	20	24	27	26	24	26	26	27	28	28	25	30	28	25
	UQ																								
	LD																								
foF1	MED																								
	CNT																								
foE	MED										200	250	270	270	280	270	250	225							
	CNT										13	12	23	21	18	19	20	12							
h'E	MED										140	120	110	110	115	115	120	120							
	CNT										110	20	20	21	16	18	20	10							
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS. JANUARY, 1962

TABLE 55

WAKKANAI, JAPAN (45.4N, 141.7E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	31	31	31	33	33	30	26	36	52	62	68	66	65	63	60	56	49	38	31	30	27	28	30	30
	CNT	23	26	26	26	24	25	28	31	30	30	30	30	30	30	30	30	31	31	31	30	30	30	26	24
	UD	33	33	33	34	34	34	29	40	56	67	71	71	70	68	66	59	53	39	35	31	29	30	31	32
	LQ	30	29	30	30	28	26	24	35	50	55	60	60	60	58	58	53	44	35	29	26	26	26	27	28
h'F2	MED											275	245	250	260										
	CNT											3	7	10	3										
	UQ																								
	LQ																								
h'F	MED	310	290	290	260	240	250	270	240	225	240	240	230	225	230	235	225	220	235	250	260	285	310	330	320
	CNT	31	31	31	31	30	30	30	31	30	30	30	29	30	30	30	30	31	31	31	30	30	30	31	31
	UQ																								
	LQ																								
M(3000)F2	MED	290	295	295	310	320	330	320	340	355	350	350	350	355	345	350	360	355	330	325	325	310	300	290	285
	CNT	23	26	26	26	24	25	28	31	30	30	30	30	30	30	30	30	31	31	31	31	30	30	26	24
	UQ																								
	LQ																								
foF1	MED											U 400	U 400	400	400										
	CNT											1	6	8	3										
foE	MED									215	245	260	270	270	270	240	230								
	CNT									9	21	24	25	26	26	22	5								
h'E	MED																								
	CNT																								
foEs	MED	E	E	E	E	E	E	E	E	25	G	G	G	G	G	G	25	30	E	L	E	E	E	E	E
	CNT	31	31	31	31	31	31	27	22	17	280	27	27	25	24	24	13	14	31	31	28	26	28	31	31

SWEEP 1.0 MC TO 18.0 MC IN 1 MINUTE. JANUARY, 1962

TABLE 56

ROME, ITALY (41.8N, 12.5E) 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	33	33	34	34	32	33	U 30	U 32	51	60	69	73	64	61	63	63	59	46	42	35	33	31	31	31
	CNT	26	27	26	23	26	21	19	25	28	26	24	21	28	27	23	26	28	20	21	19	23	22	22	21
	UQ	36	36	36	36	35	36	34	36	53	67	80	78	70	65	67	67	62	56	48	39	36	32	32	35
	LQ	31	32	32	32	31	31	29	29	49	51	64	69	60	58	58	60	54	45	33	32	30	30	29	30
h'F2	MED															U 385									
	CNT											1			2	6	1	1							
	UD															440									
	LD															340									
h'F	MED	300	280	270	260	260	250	250	240	220	220	240	220	210	215	220	230	240	220	240	240	240	260	270	290
	CNT	29	29	29	29	28	29	29	29	28	29	26	27	29	30	30	31	29	30	30	29	25	25	24	28
	UQ	300	295	290	280	270	260	260	255	230	230	240	230	230	240	240	240	240	230	240	250	250	285	295	300
	LQ	270	270	260	260	250	240	240	240	210	210	210	210	205	210	210	220	230	210	230	235	230	230	260	265
M(3000)F2	MED	290	295	300	305	300	310	310	U 305	350	350	345	355	355	350	340	345	355	345	340	330	330	300	295	290
	CNT	23	22	22	18	19	18	11	14	24	24	23	23	27	27	23	24	26	17	19	18	20	19	19	19
	UQ	300	305	305	315	315	320	325	315	360	360	350	365	365	360	350	355	360	355	355	345	335	335	310	305
	LQ	275	290	285	295	280	300	300	295	340	345	340	340	340	335	325	335	345	335	325	315	310	290	280	280
foF1	MED															540									
	CNT											1			2	6	1	1							
foE	MED									180	220	260	280	290	290	280	250	210							
	CNT									20	25	24	24	27	29	28	25	16	1						
h'E	MED									140	120	120	120	120	115	120	120	120							
	CNT									13	25	24	27	28	26	29	25	15	1						
foEs	MED																								
	CNT	29	29	29	29	29	29	29	29	28	290	26	28	30	30	30	30	30	30	30	28	28	28	28	29

SWEEP 1.4 MC TO 15.0 MC IN 5 MINUTES. AUTOMATIC. JANUARY, 1962

TABLE [illegible]

AKITA, JAPAN (39.7N, 140.1E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	31	33	33	33	31	28	25	43	51	61	71	72	67	64	62	60	53	42	35	32	29	27	29	30
	CNT	21	24	23	24	23	23	26	30	29	29	28	29	29	29	29	29	29	30	31	31	29	28	24	20
	UQ	34	34	34	34	34	31	28	45	56	64	76	80	72	68	67	64	54	46	39	34	32	30	30	32
	LQ	30	31	30	31	29	25	23	39	48	48	64	66	61	60	58	58	50	38	31	28	26	26	28	28
h'F2	MED										285	250	250	250	250	250	245								
	CNT										4	20	25	28	25	19	9								
	UQ																								
	LQ																								
h'F	MED	300	290	280	250	245	E 250	255	240	230	245	245	240	220	220	240	245	230	220	240	245	245	265	E 300	300
	CNT	30	30	29	30	28	23	15	30	29	29	28	29	29	29	29	29	29	30	30	31	23	23	28	30
	UQ																								
	LQ																								
M(3000)F2	MED	290	290	300	310	325	310	310	330	355	350	345	355	355	355	350	355	355	335	325	320	310	290	280	280
	CNT	21	24	23	24	23	23	26	30	29	29	28	29	29	29	29	29	29	30	31	31	29	28	24	20
	UQ																								
	LQ																								
foF1	MED												400	400	U 390	U 350	300								
	CNT												5	9	8	2	1								
foE	MED									230	270	290	300	305	295	275	250	E							
	CNT									10	18	18	21	25	22	18	15	10							
h'E	MED																								
	CNT																								
foEs	MED	E	E	E	E	E	E	E	E	24	30	32	33	33	G	29	G	G	E	E	E	E	E	E	E
	CNT	28	30	30	30	29	29	27	29	29	290	27	27	29	28	28	28	26	30	30	30	29	31	31	29

SWEEP 1.6 MC TO 20.0 MC IN 20 SECONDS. JANUARY, 1962

TABLE 58

TOKYO, JAPAN (35.7N, 139.5E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	30	31	32	32	29	U 25	U 26	44	55	57	70	76	69	65	61	61	54	45	34	31	28	27	28	28
	CNT	31	31	31	31	28	27	28	29	30	31	31	31	30	31	31	31	31	31	31	31	31	31	31	31
	UQ	31	32	34	35	33	29	30	47	59	63	75	86	75	69	66	65	59	49	38	36	30	29	30	30
	LQ	29	30	30	29	24	24	24	40	51	52	62	68	64	60	58	58	51	42	32	29	26	25	26	26
h'F2	MED									210	240	250	250	250	245	245	245								
	CNT									2	10	22	23	28	27	20	7								
	UQ																								
	LQ																								
h'F	MED	300	295	255	240	225	270	270	215	210	225	220	225	210	210	205	220	215	210	240	235	245	255	300	300
	CNT	28	30	31	30	25	25	26	30	30	30	29	30	31	31	28	31	31	31	31	30	27	27	27	29
	UQ																								
	LQ																								
M(3000)F2	MED	280	285	305	320	320	U 305	U 300	335	350	345	340	350	350	345	345	345	350	340	330	325	320	295	285	280
	CNT	31	31	31	31	27	27	28	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
	UQ																								
	LQ																								
foF1	MED											430	430	410	U 410	U 350									
	CNT											1	2	3	1	1									
foE	MED								U 170	230	270	295	310	U 310	300	290	U 260	U 215							
	CNT								2	22	27	27	25	24	26	27	22	6							
h'E	MED																								
	CNT																								
foEs	MED	E	E	E	E	E	E	E	G	26	30	33	33	33	30	31	26	G	28	E	E	E	E	E	E
	CNT	22	21	25	25	22	12	5	4	28	310	29	31	28	30	29	27	10	6	15	22	23	25	21	23

SWEEP 1.0 MC TO 20.0 MC IN 20 SECONDS. JANUARY, 1962

TABLE [illegible]

YAMAGAWA, JAPAN (31.2N, 130.6E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	28	30	31	31	30	22	22	29	56	60	66	75	80	70	68	65	67	58	44	35	36	32	27	27
	CNT	30	28	29	29	29	27	26	29	30	30	30	27	30	30	31	31	31	30	31	31	31	30	29	30
	UQ	31	31	33	35	32	25	24	31	59	66	73	85	90	89	72	72	73	62	49	43	43	38	32	30
	LQ	26	28	29	29	23	20	20	28	51	54	61	67	69	66	62	60	60	54	39	32	31	27	25	26
h'F2	MED											255	265	260	255	255	255	250							
	CNT											13	27	30	27	25	19	7							
	UQ																								
	LQ																								
h'F	MED	325	325	290	250	240	E 255	285	275	230	240	230	225	215	225	225	210	230	230	225	250	250	250	260	305
	CNT	26	28	29	28	29	19	16	29	30	31	29	29	28	29	31	31	31	31	31	27	29	23	22	22
	UQ																								
	LQ																								
M(3000)F2	MED	290	285	305	315	335	290	295	310	355	350	340	340	340	340	345	335	335	355	335	315	320	320	305	295
	CNT	30	28	29	29	29	27	26	29	30	30	30	27	30	30	31	31	31	30	31	31	31	30	29	30
	UQ																								
	LQ																								
foF1	MED												450	440	440	430	410	320							
	CNT												14	22	20	12	3	3							
foE	MED									200	255	290	310	315	315	310	285	250	205						
	CNT									22	30	27	24	22	22	26	26	24	9						
h'E	MED																								
	CNT																								
foEs	MED	22	28	16	E	E	20	22	21	G	28	32	37	37	35	31	G	G	24	22	22	24	24	23	28
	CNT	7	5	19	29	30	8	4	2	29	310	29	30	31	31	30	30	30	24	17	16	13	10	7	5

SWEEP 1.0 MC TO 20.0 MC IN 30 SECONDS. JANUARY, 1962

TABLE 60

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	U 34	U 34	U 34	34	U 26	U 22	U 34	48	66	79	80	84	U 104	U 120	U 110	U 108	U 109	87	60	U 53	U 61	U 56	U 44	U 35
	CNT	18	24	28	25	20	18	2	31	31	31	31	30	31	31	31	31	31	31	33	30	30	26	19	16
	UQ	38	38	39	40	29	24		50	73	85	97	112	132	133	132	136	123	126	77	64	72	60	50	36
	LQ	30	30	30	28	21	19		46	58	67	70	73	84	100	91	90	83	71	51	46	50	41	34	31
h'F2	MED									260	250	250	275	270	275	255	260	245	225						
	CNT									6	23	24	29	27	30	28	25	17	1						
	UQ																								
	LQ																								
h'F	MED	E 330	U 270	U 235	U 230	U 215	E 315	230	240	235	225	U 215	U 200	U 205	U 200	205	U 215	U 230	220	U 210	U 225	U 235	U 220	U 235	E 300
	CNT	17	25	28	27	18	8	1	31	31	31	30	30	29	29	30	30	28	31	30	30	30	25	17	14
	UQ																								
	LQ																								
M(3000)F2	MED	U 260	300	320	340	350	U 290	320	335	345	345	345	330	320	325	330	320	325	355	335	315	325	335	U 320	U 290
	CNT	12	19	21	22	12	8	1	31	31	31	29	28	24	23	25	24	22	25	26	27	25	21	10	[illegible]
	UQ	290	310	350	350	370	325		355	360	355	355	340	330	335	340	330	335	365	345	330	330	350	330	300
	LQ	265	290	305	320	330	280		325	340	330	330	310	305	315	310	310	320	340	320	290	315	325	315	275
foF1	MED											U 450	U 450	U 450	U 450	U 450	U 450								
	CNT											12	16	20	21	7	1								
foE	MED				E 100						U 290	U 315	U 320				U [illegible]	U [illegible]							
	CNT				1						7	1	2				1	1							
h'E	MED									U 123	U 111	E 112	E 111	E 127	E 119	109	E 117	[illegible]							
	CNT				1					1	16	14	7	1	1	1	4	[illegible]							
foEs	MED											36	34	40	36	32	33	28	26	22					
	CNT	30	24	32	30	25	23	26	8	25	310	31	31	31	31	31	30	30	28	31	31	31	[illegible]	[illegible]	[illegible]

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

TABLE [illegible]

AHMEDABAD, INDIA [illegible] TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	33	35	25	24	24	24	26	44	68	76	83	80	96	104	106	104	110	104	82	65	60	59	46	34
	CNT	23	24	22	23	25	24	24	43	46	46	47	47	25	24	25	43	27	24	29	25	25	24	24	22
	UQ																								
	LQ																								
h'F2	MED	280	280	253	238	225	275	290	250	250	250	250	263	290	275	285	270	258	230	210	210	225	223	230	280
	CNT	26	26	26	26	25	23	25	27	27	27	28	28	27	24	27	26	28	27	29	26	25	28	27	25
	UQ																								
	LD																								
h'F	MED	280	283	253	238	225	275	290	250	240	225	220	210	225	223	220	230	235	245	210	210	245	230	230	255
	CNT	26	26	26	26	25	23	25	27	26	28	28	28	27	22	25	44	24	27	29	27	25	27	27	24
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED									370	430	443	455	470	460	458	440	405							
	CNT									16	28	28	28	26	23	26	44	23							
foE	MED									219	270	300	330	340	332	320	300	260	200						
	CNT									26	26	25	27	25	22	25	43	26	22						
h'E	MED									115	110	110	110	110	110	110	110	110	125						
	CNT									27	27	28	27	25	22	26	44	27	20						
foEs	MED	13	15	13	18	19	16	22	17	21	33	50	36	42	33	34	39	37	30	26	22	19	17	20	15
	CNT	19	17	19	18	17	17	18	13	10	110	8	9	12	13	13	13	12	13	25	21	23	21	19	17

SWEEP 0.6 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. JANUARY, 1962

TABLE [illegible]

SINGAPORE, BRITISH MALAYA [illegible] TIME 1050E

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	45	42	34	26	24	28	55	67	76	78	82	84	85	86	88	90	88	80	78	68	65	62	51
	CNT	30	30	30	25	27	24	31	31	30	30	30	30	31	31	30	30	30	30	30	30	30	28	26	29
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LD																								
h'F	MED																								
	CNT																								
	UD																								
	LQ																								
M(3000)F2	MED	310	315	320	325	330	335	300	315	290	250	235	220	215	225	220	230	255	260	270	275	270	290	315	335
	CNT	30	30	30	25	26	22	29	31	30	30	30	30	31	31	30	30	30	30	30	30	30	27	26	29
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED	80	80	90	90			115	210	275	310	340	350	360	355	340	330	290	250	180	120				
	CNT	1	1	1	1			2	19	22	23	22	25	24	25	24	21	18	18	10	1				
h'E	MED																								
	CNT																								
foEs	MED	20	21	21	24	24	24	11	26	30	34	32	G	G		G		37				30	28	26	25
	CNT	20	17	15	17	20	21	31	31	30	310	30	30	31	31	30	31	30	30	31	23	26	22	21	16

SWEEP 0.67 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. JANUARY, 1962

TABLE 63

MUNDARING, W. AUSTRALIA (32.0S, 116.2E) TIME 1140E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	47	43	40	37	35	32	42	51	56	60	60	64	64	65	64	67	69	65	64	60	60	56	50	47
	CNT	26	28	26	27	27	28	30	29	28	28	25	27	24	27	25	27	27	31	26	22	19	21	23	20
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	270	250	U 240	240	E 250	U 250	240	220	210	200	200	195	190	200	200	200	200	210	225	240	U 230	E 250	E 260	270
	CNT	27	27	25	24	24	25	26	23	17	20	18	15	13	12	10	15	17	21	15	27	44	26	28	28
	UQ																								
	LQ																								
M(3000)F2	MED	330	305	305	310	310	315	330	340	340	305	295	290	295	290	300	300	310	315	315	315	300	300	300	295
	CNT	23	24	21	24	26	26	29	29	26	27	25	27	21	26	23	27	28	31	23	21	12	20	19	16
	UQ																								
	LQ																								
foF1	MED								D 370	420	430	450	460	460	U 460	460	450	430	U 400						
	CNT								9	15	23	22	20	21	21	20	25	22	27	L					
foE	MED							195	250	290	320	335	350	350	350	350	335	315	285	250					
	CNT							24	25	24	27	23	25	20	24	19	20	24	24	20	1				
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.6 MC TO 20.0 MC IN 18 SECONDS. JANUARY, 1962

TABLE 64

FALKLAND IS. (51.7S, 57.8W) TIME 0040W

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	65	64	66	62	64	66	68	68	63	70	71	74	73	65	66	68	68	71	76	75	74	67	66
	CNT	18	17	18	16	16	19	23	23	18	23	26	25	25	25	26	24	25	25	24	24	23	24	15	17
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LD																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	290	290	280	305	290	300	295	320	300	305	295	295	300	300	300	305	310	315	315	310	310	300	300	290
	CNT	14	14	16	11	14	18	19	21	14	19	21	23	24	24	23	24	19	24	21	23	22	24	10	14
	UQ																								
	LQ																								
foF1	MED							400	410	430	450	460	460	470	460	460	450	430	410	370	370				
	CNT							7	5	7	12	17	14	19	18	17	18	10	10	4	1				
foE	MED					150	205	240	285	305	330	345	350	345	345	335	315	310	285	240	190				
	CNT					1	1	7	3	5	6	7	10	10	5	5	4	7	6	5	1				
h'E	MED																								
	CNT																								
foEs	MED	25	25	25	25	18	26	31	42	49	49	44	42	47	44	40	44	42	44	51	38	40	29	33	36
	CNT	23	23	21	19	20	25	24	25	25	270	27	27	26	27	26	27	27	26	26	26	25	26	25	21

SWEEP 0.67 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. JANUARY, 1962

TABLE 65

GRAND BAHAMA I. (26.6N, 78.2W) 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	365	40	42	43	41	385	36	47	64	71	735	739	71	71	78	77	705	65	485	37	34	34	35	37
	CNT	22	21	21	23	24	24	25	24	25	26	24	22	23	24	23	26	26	27	26	27	27	27	26	25
	UQ	40	44	46	50	48	43	39	50	67	78	80	80	85	86	98	88	76	71	53	41	40	38	41	42
	LQ	32	38	40	39	38	36	32	44	60	68	68	68	67	68	70	72	66	59	44	32	30	31	32	33
h'F2	MED										234	240	243	253	259	261	241	U 226							
	CNT										13	23	21	22	21	21	20	7							
	UQ										247	251	250	260	270	263	247	230							
	LQ										234	230	240	250	244	246	240	220							
h'F	MED	E 250	U 260	U 240	235	230	U 230	U 240	223	220	220	212	200	1985	200	2065	220	220	215	E 204	U 221	E 230	E 250	E 247	E 233
	CNT	27	27	27	27	28	28	27	27	27	27	23	24	24	25	26	26	27	29	28	29	29	29	28	28
	UQ	270	270	255	248	240	240	238	230	229	230	220	210	208	214	212	230	222	220	220	245	249	260	263	247
	LQ	235	250	230	227	220	214	235	218	210	200	205	194	190	189	198	209	219	210	200	218	220	230	230	224
M(3000)F2	MED	300	305	315	325	320	310	305	340	350	355	355	350	345	3375	340	3425	350	355	350	330	330	310	320	3225
	CNT	19	20	21	22	23	23	23	24	25	26	23	22	22	24	25	24	26	27	25	26	26	25	22	24
	UQ	320	310	330	335	340	330	320	350	360	360	370	360	350	350	350	350	360	360	360	345	345	320	330	335
	LQ	290	300	305	305	300	300	295	330	345	340	345	330	330	320	320	340	340	345	340	305	310	300	305	310
foF1	MED												1	3	1	-									
	CNT																								
foE	MED								185	240	U 2675	300	320	320	U 340	310	285	250	190						
	CNT								9	21	18	14	12	9	11	17	19	12	15						
h'E	MED								E 150	E 112	108	107	108	107	E 110	E 110	U 110	U 116	E 131						
	CNT								7	27	27	24	22	23	23	24	24	16	14						
foEs	MED	23									29	315	33	33	335		30	27	215	24	24	24	24	23	205
	CNT	25	24	24	24	25	25	25	26	26	270	24	24	24	24	25	26	27	28	27	27	27	27	27	26

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. DECEMBER, 1961

TABLE 66

ANCHORAGE, ALASKA (61.2N, 149.9W) 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	24	20	225	21	21	20	24	24	33	30	61	67	71	69	68	57	485	41	26	23	20	17	175	16
	CNT	10	7	8	8	7	7	8	17	25	27	28	28	29	29	29	30	28	29	26	19	14	11	10	7
	UQ	28	29	33	30	31	29	34	27	38	54	66	72	74	77	74	66	60	46	34	27	22	19	22	22
	LQ	19	15	17	18	18	14	20	18	30	47	56	60	60	61	64	55	42	30	23	20	18	16	15	15
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	U 285		U 270	U 285		U 275	U 285	U 300	U 340	345	345	345	343	345	350	350	345	335	335	330	U 315	U 310	U 310	
	CNT	6	4	5	5	4	5	7	14	23	27	28	28	29	28	29	30	28	28	23	13	9	7	5	3
	UQ	295		280	290		285	300	315	325	330	350	355	350	350	355	355	350	340	350	340	330	335	325	
	LQ	270		250	280		265	275	285	305	315	340	335	330	340	340	340	335	330	330	320	305	295	285	
foF1	MED																								
	CNT																								
foE	MED														175	215	U 2125	2125	200	U 185					
	CNT													1	8	9	8	12	7	5	4				
h'E	MED														U 123	U 121	U 123	U 127	U 129	E 139	E 151				
	CNT													3	7	12	13	14	11	6	5				
foEs	MED	215			29	24	25																	17	
	CNT	20	18	18	17	14	16	16	24	25	240	27	28	28	26	27	29	29	27	29	21	15	17	20	20

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. NOVEMBER, 1961

TABLE 67

DAKAR, FRENCH W. AFRICA (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	50	50	45	44	42	36	48	65	72	76	85	94	103	113	120	127	129	131	130	121	87	75	62	49
	CNT	18	13	10	12	12	13	25	22	24	24	24	24	24	26	26	26	27	27	27	23	25	23	23	28
	UQ																								
	LQ																								
h'F2	MED								U 220	U 250	U 288	U 318	350	372	380	390	345	315	298						
	CNT								2	4	2	4	9	12	16	11	13	7	6						
	UQ																								
	LQ																								
h'F	MED	348	345	300	300	265	250	245	225	210	200	195	198	190	200	200	205	220	230	250	245	250	310	340	355
	CNT	26	23	22	25	24	22	26	23	25	22	22	21	19	23	22	22	24	25	27	27	27	26	26	26
	UQ																								
	LQ																								
M(3000)F2	MED	262	U 270	255	240	295	305	330	345	325	295	272	255	255	252	255	255	265	280	290	U 290	U 280	U 268	255	252
	CNT	12	11	7	10	10	10	21	23	24	23	24	23	24	26	25	23	26	21	23	24	12	14	16	19
	UQ																								
	LQ																								
foF1	MED											U 480	U 500	U 500	U 500	U 470	U 500	U 450							
	CNT											1	7	12	12	11	6	1							
foE	MED				E	E	E	E	440	390	360	350	360	375	365	360	348	316	288	280	E	E	E	E		
	CNT				3	4	4	4	10	12	11	11	14	17	20	19	16	16	18	9	12	9	8	1	
h'E	MED				F	E	E	E	105	100	100	100	100	100	100	100	100	115	110	U 120	E	E	E	E	
	CNT				3	3	4	12	11	14	18	18	17	22	24	21	18	11	9	4	12	9	8	1	
foEs	MED	34	31	31	31	30	40	32	47	67	68	66	59	55	50	57	48	50	54	45	39	31	31	31	31
	CNT	20	22	25	26	26	29	26	26	24	240	24	24	23	26	26	26	27	27	26	27	25	21	24	20

SWEEP 1.2 MC TO 17.0 MC. AUGUST, 1961

TABLE 68

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

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	45	44	425	40	37	35	46	54	385	375	58	63	69	70	655	66	67	66	64	675	71	62	525	465
	CNT	29	27	26	27	27	29	30	28	28	28	26	27	28	30	30	30	29	30	30	30	29	31	28	30
	UQ	50	49	48	43	40	38	50	60	63	66	65	72	76	78	77	73	72	71	72	75	75	68	58	49
	LQ	42	39	36	37	29	32	43	50	50	44	51	56	60	61	62	61	62	60	59	58	62	55	48	44
h'F2	MED							U 312	300	345	366	3625	377	347	330	350	330	335	3015	275					
	CNT							7	21	47	28	26	25	28	24	29	30	29	30	22					
	UQ							314	413	465	55	540	464	407	383	386	362	368	339	290					
	LQ							273	276	285	320	329	334	328	310	318	314	314	285	260					
h'F	MED	270	265	E 263	260	2625	264	E 235	215	E 200	170	U 190	194	U 200	209	E 210	206	2165	217	227	240	2265	2235	242	260
	CNT	30	31	30	27	31	29	31	26	23	26	22	21	24	28	27	22	24	24	27	30	30	30	31	31
	UQ	300	285	280	300	291	287	240	226	215	200	215	228	219	235	240	235	225	245	245	250	247	235	265	275
	LQ	260	253	243	254	248	224	225	206	186	180	180	196	184	191	200	192	210	211	220	234	215	213	245	250
M(3000)F2	MED	295	2975	300	3025	300	315	325	325	305	2925	2775	285	290	300	2975	300	295	310	310	315	320	315	305	300
	CNT	27	24	24	24	27	27	30	28	28	28	26	27	28	29	30	29	29	30	30	30	26	30	27	27
	UQ	340	335	330	335	329	345	340	335	330	315	300	295	300	310	305	310	310	320	320	340	325	325	325	305
	LQ	285	290	295	285	295	310	300	290	272	260	250	265	275	270	275	280	280	300	305	300	305	305	300	290
foF1	MED								345	440	455	470	470	480	480	480	480	440	410						
	CNT							2	12	19	26	22	20	23	27	26	22	19	11						
foE	MED								U 270	U 310					U 370	U 365	U 340	U 340	U 290	U 230					
	CNT						2	4	8	8	4	4	-	-	5	6	8	7	14	6	1				
h'E	MED							110	125	100	100	100	100	100	100	100	100	100	101	109					
	CNT						-	26	30	30	24	28	25	27	26	27	26	27	26	23	6				
foEs	MED	31	26	25	31	21	245	26	325	415	46	465	445	435	40	42	385	41	40	315	37	36	32	32	32
	CNT	31	31	31	28	30	30	30	30	30	240	28	28	30	30	30	30	30	30	30	31	31	31	31	31

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. AUGUST, 1961

TABLE 64

GRAND BAHAMA I. (26.6N, 78.2W) 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	56	545	47	45	45	44	525	585	69	73	77	77	795	83	81	D 79	U 785	76	795	74	U 705	625	595	555
	CNT	19	18	21	20	19	21	22	22	13	13	14	15	14	17	17	14	18	18	18	19	16	22	14	20
	UQ	64	62	53	51	47	46	57	65	70	80	84	88	88	86	86	87	84	85	88	87	76	70	64	66
	LQ	48	48	44	40	39	39	46	51	60	66	64	68	73	74	72	69	68	71	70	69	66	60	54	50
h'F2	MED							289	320	311	311	315	329	330	3275	335	3215	3095	300	2735					
	CNT							8	15	14	12	14	16	14	18	17	18	24	23	18	1				
	UQ							344	365	330	332	341	356	350	348	352	332	334	320	300					
	LQ							262	290	308	292	307	311	329	312	316	310	300	285	265					
h'F	MED	264	2625	E 265	E 270	U 270	270	U 245	E 229	E 220	207	190	218	U 195	205	U 210	U 210	E 225	2245	2435	2485	240	E 258	2745	285
	CNT	21	20	22	21	21	21	23	18	15	13	10	9	8	12	9	11	11	14	10	22	21	23	18	23
	UQ	289	279	285	280	288	287	260	240	235	248	200	223	209	232	218	219	242	255	349	267	259	270	290	290
	LQ	256	250	249	260	257	246	230	220	208	201	190	200	190	194	189	207	212	220	235	244	230	237	255	265
M(3000)F2	MED	2975	300	305	300	300	310	330	310	310	300	3025	300	295	290	295	300	305	305	315	310	315	300	300	295
	CNT	18	18	19	19	18	19	22	21	11	11	14	15	14	17	17	13	17	16	17	17	14	20	13	18
	UQ	310	315	310	305	305	320	340	335	330	310	310	305	300	300	305	305	305	310	325	325	330	310	310	300
	LQ	290	295	290	285	285	300	310	290	300	285	275	285	285	280	290	290	295	300	300	305	310	300	290	290
foF1	MED								400	450	460	490		490	475	480	470	430	410						
	CNT							2	9	10	11	10	4	7	10	6	8	13	16	1					
foE	MED							U 270										340	U 295						
	CNT							2	5	3	1	2	1	2	1	2	3	6	7	1					
h'E	MED							U 1185	108	106	106	108	108	108	108	108	110	108	109	112					
	CNT							14	22	41	17	20	11	11	10	12	12	21	23	18					
foEs	MED	27	25	19	225	18		25	42	43	53	475	55	45	445	38	D 42	41	43	44	395	38	32	335	32
	CNT	21	21	22	22	21	22	23	25	21	200	20	15	17	16	17	18	24	23	25	24	23	23	22	24

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. JUNE. 1961

TABLE 65

PINE STATION (40.0S) 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 29	U 29	U 32	U 33	U 34	U 33	U 30	U 28	U 29	U 31	U 34	U 34	U 35	U 345	U 345	U 34	U 35	U 355	U 37	U 37	U 32	U 32	U 28	U 28
	CNT	22	21	20	21	23	24	18	21	19	17	15	13	13	14	14	10	8	14	14	15	21	23	22	22
	UQ	33	34	36	40	38	38	37	33	32	36	37	37	36	39	40	34	40	41	39	41	37	36	34	34
	LQ	27	26	28	26	27	29	25	27	26	26	26	28	30	32	33	32	32	31	31	29	26	28	27	25
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	240	240	260	240	240	255	290	2875	290	290	270	260	U 250	U 2775	U 280	U 315	U 3075	U 290	U 255	U 2825	3075	275	270	2525
	CNT	24	26	23	28	26	29	22	22	19	17	15	13	15	16	15	12	16	19	22	19	26	23	21	24
	UQ	280	270	290	280	310	295	320	330	340	320	315	330	295	320	320	350	385	310	300	340	365	350	325	280
	LQ	220	225	240	220	215	230	245	255	270	270	265	220	230	255	250	260	270	245	240	230	240	265	220	230
M(3000)F2	MED	U 3075	U 315	U 300	U 305	U 300	U 3175	U 290	U 295	U 295	U 305	U 335	U 320	U 335	U 350	U 330	U 3325	U 315	U 320	U 3125	U 310	U 315	U 320	U 310	U 325
	CNT	18	18	18	17	17	14	16	15	15	13	12	10	11	11	12	8	6	7	8	11	18	15	16	15
	UQ	320	320	330	330	315	330	305	315	320	340	355	340	360	350	350	340	350	330	330	340	360	345	330	350
	LQ	285	305	290	285	270	290	280	270	275	300	320	305	320	320	310	295	295	305	290	285	280	290	295	290
foF1	MED																								
	CNT																								
foE	MED	U 1375	U 140	U 145		U 135	U 1775			U 1725	U 190	U 195	U 230	U 220	U 250	U 2525	U 250	U 200	U 190	U 190	U 205	U 175	U 220	U 185	U 180
	CNT	6	6	6	2	1	5	6	4	8	11	10	7	7	8	12	11	12	15	14	16	16	13	10	10
h'E	MED	121	115	116		121	129	125	119	120	111	111	111	108	106	105	107	112	109	118	115	119	116	122	121
	CNT	11	8	6	3	6	5	8	9	10	12	14	9	8	12	13	16	16	19	20	19	19	16	16	15
foEs	MED	43	575	455	33	41	42	45	38	42	425	41	42	445	425	36	35	375	335	295	31	465	45	345	405
	CNT	30	30	30	30	29	29	29	29	29	260	27	29	26	26	27	27	28	30	30	30	30	30	30	30

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. JUNE. 1961

TABLE 71

CONCEPCION, CHILE (36.6S, 73.0W) 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	34	34	34	34	355	30	255	51	70	74	825	88	84	875	87	77	73	62	50	44	48	41	36	34
	CNT	29	29	29	29	28	28	24	28	28	29	28	29	29	30	29	29	30	29	29	28	29	29	29	29
	UQ	38	38	37	36	39	34	30	56	72	82	91	97	91	95	95	89	79	68	56	53	52	45	41	38
	LQ	31	32	32	33	32	26	23	48	64	70	74	81	76	78	78	70	65	58	45	44	44	36	31	30
h'F2	MED										240	245	240	240	250	240	230								
	CNT									1	12	23	26	25	17	23	13	1							
	UQ										245	255	250	250	270	260	240								
	LQ										230	230	235	230	245	230	230								
h'F	MED	315	290	285	285	2525	210	270	230	225	225	220	210	200	1925	220	225	220	215	220	240	230	240	285	320
	CNT	29	29	29	29	28	29	25	28	28	29	28	28	28	30	28	29	30	29	29	28	29	29	29	29
	UQ	330	325	320	310	280	290	305	240	230	230	230	220	210	205	240	235	230	220	230	250	245	255	300	330
	LQ	300	280	270	260	230	200	245	225	220	210	200	200	190	180	200	210	220	210	210	230	220	225	260	300
M(3000)F2	MED	275	270	290	290	315	310	295	3425	360	360	350	355	350	335	350	350	360	350	320	3175	325	310	290	280
	CNT	29	29	29	29	28	27	24	28	28	29	26	27	28	27	26	28	30	28	29	26	29	28	28	28
	UQ	285	300	300	315	340	360	300	350	370	380	365	360	360	355	360	360	365	360	330	330	345	320	300	280
	LQ	270	275	280	280	290	280	280	330	350	340	345	345	340	320	340	345	355	340	310	300	310	290	280	270
foF1	MED																								
	CNT																								
foE	MED							E	U	U	U	U	U	U	U			U							
	CNT							10	24	10	8	13	6	7	11	16	12	12	1						
h'E	MED							E	E																
	CNT							10	23	27	27	27	26	26	26	23	23	15							
foEs	MED									465	31	33	34	33				415	40	41					
	CNT	29	29	29	29	28	29	26	28	28	280	27	29	29	30	28	29	28	29	29	28	28	29	29	29

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. MAY. 1961

TABLE 72

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

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	30	30	30	28	26	25	23	31	53	64	71	79	80	80	80	80	74	66	58	49	42	37	34	33
	CNT	21	22	22	19	21	25	27	27	28	28	26	26	26	27	25	26	27	25	25	25	25	22	22	22
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	300	290	295	290	280	290	290	275	250	225	225	230	225	225	230	230	225	215	220	230	240	275	290	300
	CNT	27	27	28	28	26	26	20	28	28	27	28	25	26	26	25	27	27	25	26	24	25	21	23	22
	UQ																								
	LQ																								
M(3000)F2	MED	270	265	265	265	275	270	280	295	335	335	330	330	325	330	330	335	340	330	320	310	305	290	280	270
	CNT	20	20	19	15	18	24	24	26	27	27	25	25	23	26	24	24	25	24	25	24	24	20	21	21
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED									180	240	260	475	280	275	270	260	225	190						
	CNT									13	18	11	10	12	15	13	16	20	7						
h'E	MED																								
	CNT																								
foEs	MED	31	15	13	14	11	11	12	22	14		G	G	G	G	G	G	G		20	21	27		23	25	22
	CNT	3	7	10	10	9	8	3	3	12	160	14	12	11	12	9	11	14	7	3	3		2	3	3

SWEEP 0.5 MC TO 20.0 MC IN 20 SECONDS. FEBRUARY. 1961

TABLE 73

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	30	30	30	30	28	26	26	45	62	72	77	80	82	80	80	76	70	60	52	44	36	35	32	32
	CNT	23	25	25	24	23	23	18	23	25	26	25	25	25	24	24	22	24	26	26	25	23	21	24	23
	UQ	33	32	32	32	30	27	27	47	67	79	84	84	84	88	85	82	76	65	58	50	44	39	33	33
	LQ	27	27	28	27	23	21	25	41	60	70	69	74	75	74	74	73	67	53	46	36	33	32	30	30
h'F2	MED																								
	CNT									1	2		2	1	1										
	UQ																								
	LQ																								
h'F	MED	E 280	E 270	E 270	E 260	E 260	E 250	E 270	220	220	220	210	215	200	220	220	220	215	205	E 240	E 230	E 240	E 250	E 270	E 270
	CNT	21	25	25	24	22	22	19	23	25	26	25	25	25	24	24	22	24	26	25	24	21	19	23	21
	UQ	280	290	280	270	260	280	280	240	230	235	220	220	215	220	230	230	220	220	230	240	240	260	280	295
	LQ	270	250	260	250	250	240	250	215	210	210	200	200	195	200	210	220	210	200	200	220	220	240	260	260
M(3000)F2	MED	280	280	285	290	290	290	300	325	340	345	355	340	340	340	330	340	345	340	320	340	310	300	290	290
	CNT	16	20	19	21	19	19	8	21	21	25	23	25	22	22	24	20	21	21	20	21	20	14	16	15
	UQ	290	290	300	300	300	295	315	340	350	350	345	350	345	350	350	350	350	340	340	340	320	310	300	295
	LQ	280	270	280	270	280	285	290	320	330	340	330	325	330	320	320	330	335	330	310	300	300	300	280	280
foF1	MED																								
	CNT									1	2	1	2	2	1										
foE	MED								E 160	200	240	270	280	290	280	270	220	185	E						
	CNT								17	17	20	17	20	16	21	17	15	14	27						
h'E	MED								E	105	104	101	101	101	101	103	105		E						
	CNT								8	13	16	15	15	16	16	14	11	4	21						
foEs	MED	E 16	E	E	E	E	E	E 16	E 16	19	G	E 28	G	G	G	G	G	18	E 16	E 16	E 16	E 16	E 16	E 16	E 16
	CNT	23	25	25	24	23	24	21	22	24	260	25	25	25	25	24	22	23	26	26	25	24	24	25	23

SWEEP 1.0 MC TO 18.0 MC IN 20 SECONDS.

FEBRUARY, 1961

TABLE 74

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	32	315	32	318	298	262	239	297	531	66	72	803	801	82	804	812	768	693	609	52	45	369	352	35
	CNT	21	21	20	16	18	20	20	20	28	27	27	26	28	27	28	28	28	28	28	28	28	28	26	24
	UQ																								
	LQ																								
h'F2	MED										573		389	374	400		552								
	CNT										1		3	2	1		1								
	UQ																								
	LQ																								
h'F	MED	280	281	279	282	275	263	259	250	239	227	226	223	228	224	226	232	230	225	230	230	234	248	264	280
	CNT	28	28	27	27	28	28	27	27	28	27	28	28	28	28	28	28	28	28	28	28	27	27	26	27
	UQ																								
	LQ																								
M(3000)F2	MED	285	279	281	282	283	291	296	293	333	339	341	328	329	330	324	330	331	340	322	313	308	295	287	285
	CNT	18	19	19	16	16	17	16	19	28	27	26	26	27	27	28	28	28	28	28	28	27	28	23	21
	UQ																								
	LQ																								
foF1	MED										330	370	385	395	390		370								
	CNT										1	1	3	2	1		1								
foE	MED								E	182	225	254	274	283	283	276	257	227	171	E					
	CNT								13	10	21	28	22	25	26	27	26	23	13	15					
h'E	MED								E	E	E	111	111	108	109	111	111	115	E	E					
	CNT								13	20	100	7	7	7	5	6	4	3	9	19					
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 4 MINUTES.

FEBRUARY, 1961

TABLE 75

AHMEDABAD, INDIA (23.0N, 72.6E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	50	45	42	40	32	25	24	60	81	92	110	123	120	130	142	144	138	138	132	113	109	103	72	58
	CNT	25	25	24	23	25	24	25	23	21	23	25	24	24	23	24	23	23	23	21	22	23	23	23	21
	UQ																								
	LQ																								
h'F2	MED									240	260	265	270	275	295	290	275	260	240						
	CNT									24	25	26	26	27	26	25	27	26	26						
	UQ																								
	LQ																								
h'F	MED	270	265	255	250	245	270	290	250	240	225	220	215	210	230	230	230	235	245	230	225	225	225	225	240
	CNT	26	26	27	26	26	23	26	25	21	22	26	26	25	26	25	26	22	23	28	26	26	26	27	26
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED									330	425	470	480	485	500	445	450	410							
	CNT									3	22	26	26	26	26	21	26	15	[illegible]						
foE	MED								180	250	290	325	345	350	360	350	320	295	235	180					
	CNT								12	25	26	28	26	24	26	25	24	25	23	9					
h'E	MED								[illegible]	110	110	[illegible]	[illegible]	105	[illegible]	[illegible]	[illegible]	110	120	[illegible]					
	CNT								[illegible]	25	26	28	27	24	24	27	26	26	24	10					
foEs	MED	E	15	15	16	16	16	15	G	G	G	G	G	G		G	G	G	G	G	16	15	15	[illegible]	[illegible]
	CNT	27	27	27	27	26	25	26	25	25	260	26	26	27	27	25	26	27	26	28	22	26	27	26	27

SWEEP [illegible] MC TO 25.0 MC IN [illegible] MINUTES, AUTOMATIC.

FEBRUARY, 1961

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	D 86	D 70	62	58	46	35	24	65	88	108	108	93	92	95	105	110	112	U 114			U 91	U 87	U 83	
	CNT	5	7	13	17	22	23	22	24	17	13	17	22	25	26	21	22	12	[illegible]			4	3	1	
	UQ																								
	LQ																								
h'F2	MED							U 500				315	320	335	325	U 330	U 308	U 240							
	CNT							[illegible]				6	12	5	6	3	2	1							
	UQ																								
	LQ																								
h'F	MED	250	250	235	225	232	240	245	250	230	215	205	205	200	200	200	210	225	245	268	305	290	285	250	250
	CNT	26	25	27	24	26	25	24	27	25	27	25	27	24	24	23	23	25	27	26	27	13	12	16	24
	UQ																								
	LQ																								
M(3000)F2	MED	U 305	U 305	320	328	330	330	330	325	315	295	255	250	250	245	255	255	272	U 280			U 240	U 250		
	CNT	[illegible]	2	13	14	21	19	20	24	11	10	14	18	23	20	15	18	6	1			3	2		
	UQ																								
	LQ																								
foF1	MED							U 180				480	500	U 510	500	U 500	U 465								
	CNT							[illegible]				6	10	4	[illegible]	[illegible]	1								
foE	MED		E	E	E	E	E	E	190	270	320	345	350	360	358	350	340	310	262	[illegible]	E	E	E		
	CNT		1	[illegible]	5	7	11	11	21	21	20	17	17	18	14	18	19	[illegible]	12	9	11	[illegible]	1		
h'E	MED		E	E	E	E	E	E	125	[illegible]	[illegible]	U [illegible]	U [illegible]	U [illegible]	U [illegible]	U [illegible]	[illegible]	[illegible]	115	152	E	E	E		
	CNT		[illegible]	[illegible]	[illegible]	7	11	11	[illegible]	1	[illegible]	1	[illegible]	[illegible]	4	4	7	7	10	7	11	[illegible]	1		
foEs	MED	[illegible]	[illegible]	E	E	E	E	G	[illegible]	[illegible]	48	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	50	45	44	24	21	E	22	27	40
	CNT	[illegible]	27	[illegible]	27	26	26	24	26	28	260	28	[illegible]	27	27	28	27	27	28	26	27	26	27	28	28

[illegible]

FEBRUARY, 1961

TABLE 77

IBADAN, NIGERIA (7.4°N, 3.9°E) 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	82	78	64	68	D 57	46	50	80	96	94	96	93	92	94	99	103	108	U 101	U 101	96	95	104	U 90	no
	CNT	27	27	27	27	27	27	27	27	27	28	28	26	26	27	29	26	27	27	27	26	26	27	27	27
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	248	240	250	250	240	230	250	245	220	215	209	200	200	200	200	210	230	250	280	330	335	295	240	240
	CNT	27	27	27	27	27	27	27	27	27	26	27	26	25	23	19	19	21	20	24	25	26	27	27	27
	UQ																								
	LQ																								
M(3000)F2	MED	310	305	310	310	320	335	310	320	290	260	250	250	250	250	255	255	255	E 250	E 255	235	255	275	U 295	305
	CNT	13	12	9	11	10	13	19	26	24	27	28	26	26	27	25	26	24	12	10	11	7	9	6	13
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED							J 150	145	300	340	300	375	380	380	360	335	300	285	J 140					
	CNT							10	21	27	26	26	24	23	22	17	17	18	13	8					
h'E	MED																								
	CNT																								
foEs	MED	E	E	E	E	E	E	G	27	60	66	90	91	91	91	91	90	66	60	G	E	E	E	E	E
	CNT	27	27	27	27	27	27	27	27	27	280	28	26	27	27	26	27	27	27	27	26	26	27	27	27

SWEEP 0.67 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. FEBRUARY, 1961

TABLE

(4.4°S, 15.2°E) 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	55	53	54	49	42	42	70	81	87	100	U 110	U 121	125	116	115	125	126	128	132	U 131	U 135	140	122	77
	CNT	14	16	17	19	21	20	21	18	17	14	8	6	12	10	10	20	17	12	10	9	9	13	17	14
	UQ																								
	LQ																								
h'F2	MED	227	250	255	250	240	255	U 250	270	280	U 310	U 325	U 364	385	380	360	340	U 300		270	275	260	235	225	215
	CNT	24	23	23	24	21	22	15	16	12	8	5	8	10	13	17	13	7	2	23	23	25	24	25	23
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	265	271	277	284	290	297	305	292	276	258	U 256	U 244	246	244	247	251	254	260	254	U 260	U 274	289	304	307
	CNT	14	18	17	19	21	20	22	18	15	15	9	9	12	20	20	20	17	12	10	8	9	13	17	15
	UQ																								
	LQ																								
foF1	MED									U 460		U 460													
	CNT									2	9	4	6	2	1	1									
foE	MED									330	U 360	U 380			U 370	350	U 310	U 260							
	CNT						1	230	300	10	8	5	4	4	7	11	7	8	1						
h'E	MED						U 135	117	110	110	110	110	U 110	U 110	110	110	110	115							
	CNT						6	14	15	14	150	13	7	9	10	12	15	14	3						
foEs	MED																								
	CNT																								

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

TABLE 79

TAHITI, SOCIETY IS. (17.7°S, 149.3°W) TIME 450.0W

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	84	56	56	47	44	50	78	89	100	110	122	141	150	151	151	141	130	111	101	92	88	89	90
	CNT	21	25	25	24	24	26	29	28	27	27	27	27	27	28	27	28	28	28	27	26	28	27	24	25
	UQ																								
	LQ																								
h'F2	MED								240	265	280	320	340	332	325	305	290	280	260	U 255					
	CNT								8	9	11	16	18	24	27	27	27	25	21	1					
	UQ																								
	LQ																								
h'F	MED	250	225	218	275	300	290	255	235	225	215	215	205	202	205	210	215	220	230	248	270	290	300	288	275
	CNT	26	28	25	22	25	27	28	27	27	25	23	22	26	25	25	25	25	20	24	25	25	27	26	27
	UQ																								
	LQ																								
M(3000)F2	MED	310	338	300	275	275	280	310	325	320	295	290	285	290	290	294	302	300	305	290	285	270	275	280	295
	CNT	23	24	21	23	22	24	28	28	27	27	27	27	27	25	18	22	22	28	26	26	26	26	24	25
	UQ																								
	LQ																								
foF1	MED											U 510	U 510	520	500	500	510		U 430						
	CNT											1	3	8	9	4	2		1						
foE	MED	E	E	E	E	E	E	160	250	300	335	350	365	375	370	364	350	340	270	190	E 16	E	E	E	E
	CNT	5	6	12	16	19	41	9	25	25	22	21	28	21	25	24	27	25	23	8		17	14	9	8
h'E	MED	E	E	E	E	E	F	E	110	105	100	100	100	100	100	105	105	110	110	E	E	E	E	E	E
	CNT	5	6	12	16	14	22	28	16	10	9	13	13	15	11	9	15	21	17	17	24	17	14	9	8
foEs	MED	30	31	29	28	27	27	30	32	37	40	44	44	40	37	U 34	34	28	41	30	30	31	28	30	28
	CNT	23	26	22	27	25	27	27	26	27	280	26	27	25	25	27	28	25	26	26	24	24	25	24	24

SWEEP 1.2 MC TO 17.0 MC. FEBRUARY, 196

TABLE 80

TANANARIVE, MADAGASCAR (18.8°S, 47.6°E) 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	63	58	45	39	36	32	46	63	71	84	89	98	106	114	109	103	98	88	87	79	71	U 67	66	63
	CNT	25	26	25	28	25	26	24	24	26	26	27	26	24	28	24	26	26	20	26	25	24	23	23	24
	UQ																								
	LQ																								
h'F2	MED									300	328	335	340	340	332	314	303	295	285	U 265					
	CNT									5	16	27	28	28	28	28	26	22	11	1					
	UQ																								
	LQ																								
h'F	MED	265	238	238	248	E 260	E 265	255	240	240	230	230	230	230	225	230	230	235	245	250	250	250	260	280	272
	CNT	24	21	18	21	21	25	28	26	26	27	27	28	21	16	18	19	16	15	19	20	21	20	21	24
	UQ																								
	LQ																								
M(3000)F2	MED	300	312	300	300	290	290	320	310	305	290	275	275	275	284	284	285	290	300	305	300	295	U 290	285	295
	CNT	25	26	25	28	25	26	24	24	26	26	27	26	24	28	24	26	26	20	26	25	24	23	23	24
	UQ																								
	LQ																								
foF1	MED										U 440	500	500	500	500	480	U 460	U 430							
	CNT										1	6	13	13	7	6	4	1							
foE	MED	E	E	E	E	E	E	165	248	300	330	350	365	370	365	355	330	305	255	190	E 7	E	E	E	E
	CNT	6	8	10	14	21	26	25	26	28	28	25	23	25	25	28	27	27	28	7	13	4	3	4	4
h'E	MED	E	E	E	E	E	E	E	125	120	110	110	110	105	105	110	115	120	125	E		E	E	E	E
	CNT	6	8	10	14	21	26	24	17	20	21	21	19	9	12	18	20	21	22		13	9	3	2	4
foEs	MED	21	18	20	18	17	18	16	G	G	G	G	G	G	G	34	37	38	36	37	30	47	46	30	21
	CNT	27	27	27	28	26	27	28	14	16	270	28	26	25	28	28	27	25	26	24	23	23	22	16	28

SWEEP 1.25 MC TO 20.0 MC. FEBRUARY, 1961

TABLE [illegible]

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

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 99	U 98	U 95	76	59	53	58	70	79	87	92	U 105	U 115	U 125	U 133	144	135	U 130	U 130	U 132				U 113
	CNT	6	8	9	12	16	17	18	21	19	17	12	9	9	11	13	10	10	8	11	10	3	2	2	7
	UQ	120	122	144	80	65	61	64	74	83	90	100	112	120	128	143	150	147	140	140	137				125
	LQ	90	78	81	69	50	40	47	66	71	78	84	95	110	116	125	135	127	125	125	115				100
h'F2	MED											310	340	360	340	325	310	290	275						
	CNT									1		7	6	10	17	17	19	14	[illegible]						
	UQ																								
	LQ																								
h'F	MED	260	250	230	210	230	240	245	230	230	U 220								U 230	245	250	260	250	235	250
	CNT	20	22	22	22	19	17	18	20	10	6	1	1		1			1	5	18	19	17	16	16	21
	UQ																								
	LQ																								
M(3000)F2	MED	U 295	U 300	U 345	320	305	315	330	325	305	280	265	U 265	U 265	U 280	U 280	300	300	U 300	300	U 300				U 290
	CNT	6	7	9	12	16	17	18	21	19	17	12	9	9	10	13	10	10	8	10	10	3	2	2	6
	UQ																								
	LQ																								
foF1	MED																								
	CNT													1			1								
foE	MED																								
	CNT								2		1														
h'E	MED								111																
	CNT							1	8	1	4	1						1	1						
foEs	MED			U 30	U 22	U 25	U 22	U 26			U 42							U 46	U 41						
	CNT	1	2	9	11	11	14	8	11	3	20	3	3	2	3	2	4	7	5	3	3	3	2		1

SWEEP 1.0 MC TO 25.0 MC.

FEBRUARY, 1961

TABLE 82

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	76	75	75	68	72	64	78	83	85	92	92	97	92	100	100	100	100	98	92	92	90	74	83	80
	CNT	9	12	13	13	11	10	10	11	15	9	5	9	12	13	9	6	6	6	7	4	6	8	8	11
	UQ																								
	LQ																								
h'F2	MED								U 260	255	275	300	290	290	295	290	300	280	260	250	U 230				
	CNT								2	7	7	7	7	10	13	13	8	8	10	7	1				
	UQ																								
	LQ																								
h'F	MED	300	295	300	285	280	275	230	220	220	210	U 200	U 200	U 200	U 200	U 195		U 215	U 215	230	U 255	225	250	280	300
	CNT	13	13	13	12	11	7	12	11	10	7	2	3	3	3	1		3	3	6	4	5	9	10	13
	UQ																								
	LQ																								
M(3000)F2	MED	280	270	270	270	280	280	295	320	330	310	U 320	315	300	305	U 320	U 310	U 310	U 340	320	U 305	310	285	280	280
	CNT	7	4	13	13	10	4	10	9	11	5	3	6	10	8	4	2	3	3	6	2	5	6	7	9
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED							U 187		U 340				U 145						U 300					
	CNT							4		2				1						1					
h'E	MED							131	101	101	101	101	101	101	101	101	101	101	101	101	U 99				
	CNT							8	11	14	130	8	7	6	7	10	6	9	8	6	1				
foEs	MED																								
	CNT																								

SWEEP 1.3 MC TO 18.0 MC IN 30 SECONDS.

FEBRUARY, 196

TABLE 83

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	16	16	17	18	19	20	21	22	23
foF2	MED	68	63	62	61	58	60	66	67	72	79	83	86	88	88	87	83	80	81	78	74	77	75	74	71
	CNT	11	12	11	20	15	19	20	22	20	21	24	25	24	26	26	28	26	25	25	22	21	18	14	12
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	250	260	270	270	260	285	320	260	305	290	300	295	305	310	305	320	335	345	330	325	290	290	310	260
	CNT	2	1	3	4	6	5	6	5	9	8	14	13	14	20	15	22	18	11	16	11	12	5	3	1
	UQ																								
	LQ																								
foF1	MED							355				460	450	460											
	CNT							1				2	1	1											
foE	MED					E	F	210	U 260	310	340	340		360	350				280	E	E				
	CNT					5	17	5	1	1	1	1		1	1				3	3	7				
h'E	MED																								
	CNT																								
foEs	MED	J 26	J 25	J 26	J 23	14	20	J 25	J 31	J 37	J 46	J 47	J 46	J 44	J 45	J 42	J 46	J 36	J 40	J 31	J 36	J 24	J 24	J 29	J 26
	CNT	21	23	21	23	21	27	27	25	27	270	28	28	28	28	28	28	26	26	27	23	22	22	24	23

SWEEP 0.67 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC.

FEBRUARY, 1961

TABLE 84

PORT LOCKROY (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	67	65	59	U 56	56	59	58	56	54	54	60	59	59	59	63	64	64	64	70	76	79	76	74	70
	CNT	18	16	18	15	19	20	18	18	16	19	17	21	21	21	21	22	22	20	20	20	20	14	15	15
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	290	280	285	275	290	265	250	240	240	230	225	240	225	225	225	230	225	245	250	255	255	250	260	260
	CNT	18	19	17	15	17	15	12	11	8	8	4	9	7	9	11	12	13	13	15	19	16	18	18	16
	UQ																								
	LQ																								
M(3000)F2	MED	255	U 260	240	245	255	275	290	290	285	305	290	300	305	300	310	310	290	300	295	290	285	260	270	260
	CNT	6	6	7	8	10	14	15	16	12	16	13	19	17	16	17	21	14	10	13	18	17	11	6	6
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED		95		105	160	U 175	U 175	U 240	U 265	240			U 310	U 310	310	U 300	U 285	U 275	U 245	210	150	145	U 95	
	CNT		2		2	4	7	5	3	1	2			1	2	4	5	9	[illegible]	[illegible]	4	4	3	1	
h'E	MED																								
	CNT																								
foEs	MED	26	20	20	22	16	25	28	32	42	37	[illegible]	44	40	39	39	38	30	32	33	27	30	21	20	22
	CNT	20	23	23	21	23	23	16	21	20	230	21	20	22	22	22	22	24	22	22	22	22	19	16	21

SWEEP 0.67 MC TO 25. MC IN MINUTES, AUTOMATIC.

FEBRUARY, 1961

TABLE 87

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

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	28	29	30	28	26	24	25	25	55	70	78	86	88	87	82	77	72	61	54	46	36	33	30	31
	CNT	24	19	21	24	28	28	24	29	24	28	29	31	31	30	30	30	27	30	31	31	27	27	28	26
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	285	280	275	282	290	295	305	300	U 335	355	355	350	345	345	345	350	350	335	320	325	305	295	290	285
	CNT	21	17	19	20	25	25	24	24	27	28	29	31	31	30	30	30	29	29	31	31	26	24	22	21
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED									U 160	210	245	265	270	270	250	230	180	140						
	CNT									16	31	27	23	23	26	26	40	24	4						
h'E	MED																								
	CNT																								
foEs	MED	E 11	E 10	E 10	9	E 10	E 11	E 16	E 16	J 19	24	26	27	G	G		27	G				E 19	E 16	E 16	E 16
	CNT	18	28	31	27	26	24	31	31	31	310	28	26	25	26	28	26	29	30	31	31	31	30	30	28

SWEEP 0.65 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. JANUARY, 1961

TABLE 88

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	64	56	48	44	43	42	42	70	84	90	91	94	97	97	100	102	104	104	100	96	92	91	92	73
	CNT	28	29	29	29	29	29	29	28	28	28	29	29	29	28	31	31	31	30	30	29	30	29	29	28
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	300	295	280	280	290	320	305	320	285	250	220	220	215	220	225	230	235	240	235	245	255	280	310	305
	CNT	28	29	29	29	29	28	29	28	28	27	28	29	29	28	31	31	31	30	30	29	30	29	28	28
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED		105		100	100	120	120	235	300	340	360	380	380	375	370	350	310	265	160					
	CNT		1		1	3	3	11	23	21	22	25	21	20	13	21	20	21	20	9					
h'E	MED																								
	CNT																								
foEs	MED	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	23	G 31	31	24	28	35	25
	CNT	19	24	18	16	19	16	29	28	28	280	29	30	29	30	31	31	31	31	31	26	26	24	17	10

SWEEP 0.67 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. JANUARY, 1961

TABLE 87

NATAL, BRAZIL (5.7S, 35.2W) TIME 30.0W

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 88	U 83	U 82	U 78	U 59	58	55	82	98	106	U 106	U 105	U 108	U 110	U 113	U 112	U 112	U 112	U 108	U 105	U 102		U 115	U 98
	CNT	8	8	7	6	10	10	17	26	29	26	26	25	26	25	25	24	26	25	22	23	8	4	6	7
	UQ	99	92	86	88	71	72	60	91	105	110	113	113	115	117	117	115	117	118	113	114	111		115	115
	LQ	82	76	73	65	52	59	43	77	91	98	89	90	90	97	98	104	109	106	105	92	86		81	76
h'F2	MED									1	1														
	CNT																								
	UQ																								
	LQ																								
h'F	MED	245	240	240	240	220	215	240	235	220	210	200	200	200	190	190	190	210	230	260	315	345	330	280	250
	CNT	29	29	28	28	28	26	26	25	26	23	20	19	14	11	22	18	20	24	28	29	26	30	28	29
	UQ																								
	LQ																								
M(3000)F2	MED	U 300	U 295	U 280	U 310	U 335	U 320	320	330	300	270	U 250	U 250	U 245	U 240	240	U 240	U 235	U 240	U 245	U 240	U 255		U 320	U 285
	CNT	8	8	7	6	9	9	17	26	28	26	26	24	24	23	24	23	26	25	22	23	8	4	6	7
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED							U 250	U 305	U 350	U 370						U 360	U 330	U 280	U 210					
	CNT							20	16	10	8	3	1			3	7	8	10	4					
h'E	MED							109	109	105	U 107							U 110	109						
	CNT							19	13	7	6	3	3	3	2	2	2	6	8	1					
foEs	MED					U 41	U 40		U 32	U 42	U 47	U 48	U 52	U 56	U 55	U 56	U 56	U 56	U 48	U 42	3	1	2	1	3
	CNT	2	2	1	2	5	4	3	19	23	250	23	22	20	19	24	24	25	24	21					

SWEEP 1.0 MC TO 25.0 MC. DECEMBER, 1960

TABLE 88

NATAL, BRAZIL (5.7S, 35.2W) TIME 30.0W

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 118	U 113	U 92		U 73	U 67	U 66	95	U 111	U 114	U 118	U 116	U 115	U 115	U 124	U 127	U 128	U 127	U 112	U 106				
	CNT	5	5	9	4	11	16	22	26	24	22	21	23	23	25	24	25	25	18	15	16	2	1	2	1
	UQ	126	116	104		83	78	73	102	114	119	124	122	130	132	134	138	144	140	120	118				
	LQ	100	90	86		66	59	57	87	103	106	109	110	108	111	112	116	121	120	105	95				
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	225	235	245	240	230	220	240	240	230	220	210	230	200	195	200	210	225	245	270	360	380	350	270	245
	CNT	28	28	27	25	26	26	26	26	24	21	22	18	10	10	9	20	23	27	29	27	27	27	29	28
	UQ																								
	LQ																								
M(3000)F2	MED	U 290	U 320	U 300		U 325	U 330	U 325	U 320	U 290	U 265	U 255	U 250	U 245	U 250	U 250	U 245	U 245	U 240	U 240	U 220				
	CNT	5	5	8	4	9	15	21	26	24	22	21	23	23	25	23	25	24	16	16	16	2	1	1	1
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED								U 265	U 315	U 350							U 320	U 275						
	CNT							1	17	15	9	4			1	2	4	5	5	1					
h'E	MED								U 113	109	104	U 107				U 113	U 113	U 113	U 111						
	CNT								16	18	9	5	3	3	3	6	8	9	5						
foEs	MED			U 14	U 18	U 38	U 40	U 38	U 33	U 42	U 44	U 52	U 46	U 54	U 48	U 50	U 55	U 48	U 43	U 40					
	CNT	1	2	5	3	6	9	11	24	25	240	18	18	21	22	26	23	24	27	10	1	1		1	2

SWEEP 1.0 MC TO 25.0 MC. NOVEMBER, 1960

TABLE 89

NATAL, BRAZIL (5.7S, 35.2W) TIME 30.0W

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 113	U 91	U 84	U 84	U 68	U 63	U 67	U 97	U 113	U 125	U 126	U 124	U 126	U 128	U 128	U 135	U 135	U 130	U 126	U 107			U 113	U 118
	CNT	8	8	16	16	20	21	27	30	30	26	22	22	28	22	22	25	22	23	16	17	1	1	7	6
	UD	116	100	93	89	84	73	76	102	117	130	135	137	133	140	140	145	145	145	142	118			133	133
	LQ	92	78	68	70	66	54	62	94	111	120	124	115	117	118	122	125	127	120	114	92			102	108
h'F2	MED																								
	CNT										1		3												
	UD																								
	LD																								
h'F	MED	220	230	245	245	235	225	240	240	230	220	210	210	U 205	U 190	U 200	210	220	245	280	365	410	350	295	240
	CNT	30	29	30	29	31	31	30	30	27	24	19	10	9	5	9	17	19	28	29	28	25	27	29	29
	UQ																								
	LQ																								
M(3000)F2	MED	U 320	U 310	U 310	U 305	U 315	U 320	U 320	U 320	U 305	U 280	U 260	U 250	U 250	U 250	U 250	U 250	U 240	U 245	U 235	U 230			U 260	U 295
	CNT	5	7	13	15	17	20	24	29	29	24	20	22	26	20	20	25	22	23	15	16	1		6	5
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED								265	315	U 350	U 370				U 380	U 365	U 340	U 280						
	CNT							1	19	21	18	8	1	2	1	5	9	6	7	1					
h'E	MED								117	115	109	109	111	109	108	111	109	111	113						
	CNT								17	21	16	8	5	5	6	9	12	10	9						
foEs	MED			U 34	U 32	U 40	U 38	U 40	U 33	U 42	U 42	U 54	U 56	U 55	U 48	U 43	U 44	U 43	U 43	U 41					
	CNT	3	4	6	7	7	8	5	27	28	280	23	25	22	24	28	27	26	28	8	2	1		4	4

SWEEP 1.0 MC TO 25.0 MC. OCTOBER, 1960

TABLE 90

CAIRO, 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	134	107	95	92	82	64	52	86	100	106	120	U 129	U 134	140	U 146	144	141	U 142	U 146	U 152	D 135	D 140	D 140	D 140
	CNT	23	20	23	25	24	20	22	26	26	26	25	25	25	21	25	26	26	26	26	26	24	21	24	23
	UQ																								
	LQ																								
h'F2	MED								245	255	265	290	300	390	355	350	340	360	370	350					
	CNT								19	23	20	14	8	6	11	15	14	17	14	5					
	UQ																								
	LD																								
h'F	MED	210	215	230	232	230	220	230	240	230	220	210	208	205	205	210	220	225	240	265	320	300	248	220	210
	CNT	26	26	26	26	25	26	26	26	24	23	24	22	24	19	23	21	26	26	26	26	25	26	26	26
	UD																								
	LQ																								
M(3000)F2	MED	303	294	284	288	307	322	308	331	306	280	266	254	242	252	261	255	255	256	254	U 252	U 241	U 273	U 295	297
	CNT	19	18	23	24	23	20	22	26	26	24	24	21	21	15	14	22	23	24	17	17	5	3	3	9
	UQ																								
	LD																								
foF1	MED											500	500	510	500	490	480								
	CNT											3	10	2	2	1	3								
foE	MED							E	250	310	355	360	400	405	400	390	370	330	278	165					
	CNT							14	23	25	25	23	21	19	15	16	15	25	18	13					
h'E	MED								121	113	111	111	109	104	111	111	111	111	115	125					
	CNT								25	23	17	16	7	7	3	1	6	16	18	5					
foEs	MED	E	E	E	E	E	E	15	G	G	38	G	G	G	G	G	G	G	30	23	E	E	E	E	E
	CNT	26	26	26	26	26	26	26	26	26	260	25	25	22	18	23	26	26	26	26	26	26	26	26	26

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

TABLE 91

NATAL, BRAZIL (5.7S, 35.2W) TIME 30.0W

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 108	U 94	U 85	U 76	U 73	U [illegible]	56	82	U 107	U 124	U 130	U 130	U 125	U 125	U 122	U 127	U 130	U 125	U 123	U 112	U 96			
	CNT	9	13	19	20	21	20	22	28	23	26	21	16	25	25	18	23	21	20	24	23	11	3	3	4
	UD	120	111	88	86	78	72	64	86	113	130	136	138	128	124	130	134	143	146	131	120	105			
	LD	94	80	70	63	59	54	46	81	105	121	125	122	122	119	120	123	124	119	115	103	90			
h'F2	MED																								
	CNT																								
	UQ																								
	LD																								
h'F	MED	230	220	235	250	245	240	235	250	240	230	215	210	210	205	200	210	220	240	270	330	U 420	U 420	355	285
	CNT	28	26	[illegible]	25	25	24	25	28	23	22	21	15	12	16	16	18	21	27	27	28	27	26	29	26
	UQ																								
	LQ																								
M(3000)F2	MED	U 310	U 320	300	U 300	U 305	U 310	325	320	U 320	U 290	U 255	U 240	U 240	U 240	U 240	U 240	U 240	U 230	U 235	U 225	U 220			
	CNT	8	11	16	20	20	16	21	26	23	26	21	18	24	25	18	23	21	19	24	23	11	3	2	4
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED								[illegible]	[illegible]	[illegible]							[illegible]	U [illegible]	U 225					
	CNT								22	[illegible]	19	2	4	[illegible]	1	2	4	9	10	5					
h'E	MED								E 121	115	113							U 117	U 118						
	CNT								9	19	11					2	4	5	8	1					
foEs	MED					U 34	U 42	U 44	U 39	U [illegible]	U 56	U 58	U [illegible]	U [illegible]	[illegible]	[illegible]	U [illegible]	[illegible]	[illegible]	U [illegible]	U [illegible]				
	CNT			3	4	8	10	[illegible]	[illegible]	22	[illegible]	21	[illegible]	21	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			2	1

SWEEP 1.0 MC TO 25.0 MC. MARCH, 1960

TABLE 92

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

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED					D 48	F 59				D 100	D 114	U 128	U 132	128	U 132	D 120	D 120							
	CNT	2	2	4	4	5	5	1	2	3	5	10	12	11	13	15	10	5	1						
	UD																								
	LO																								
h'F2	MED																								
	CNT																								
	UQ																								
	LO																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	300	305	300	250	240	[illegible]	230	210		205	210	[illegible]	245	250	250	250	280	300	300	300
	CNT	13	12	13	12	11	12	12	9	10	8	11	7	4	8	7	9	10	12	10	11	11	14	14	13
	UD																								
	LO																								
M(3000)F2	MED											300	290	290	265	285									
	CNT		1	1	1		[illegible]					5	8	7	10	8	1	1							
	UQ																								
	LO																								
foF1	MED																								
	CNT																								
foE	MED							E [illegible]	[illegible]	[illegible]	345	370	380	[illegible]	[illegible]	[illegible]	[illegible]	330	[illegible]	[illegible]					
	CNT							11	9	11	[illegible]	13	12	11	12	12	12	13	14	9					
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 1 MINUTE 30 SECONDS. MARCH, 1960

TABLE [illegible]

PORT LOCKROY (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	U 65	U 64	U 61	U 58	54	53	54	56	60	67	72	74	78	96	93	91	88	82	78	84	87	76	70	70
	CNT	13	11	12	11	14	14	15	20	19	20	16	16	17	16	17	17	16	14	14	15	15	14	17	13
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	300	315	320	340	320	310	290	270	250	240	240	240	240	245	240	235	240	240	250	250	250	250	260	270
	CNT	24	22	22	22	20	17	21	23	22	21	19	20	14	17	20	21	24	22	21	23	22	22	22	22
	UQ																								
	LQ																								
M(3000)F2	MED	U 260	250	250	240	250	260	260	290	340	310	315	310	315	320	325	325	330	320	320	315	305	285	290	265
	CNT	8	7	6	6	8	10	11	18	18	19	15	15	15	14	16	16	16	14	13	13	14	13	10	8
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED	120	160	100	120	100	U 140	175	190	210	245	270	290	300	295	305	300	270	250	210	190	135	110		110
	CNT	2	1	2	2	2	3	7	9	7	13	11	10	10	3	6	13	11	10	10	12	7	1		2
h'E	MED																								
	CNT																								
foEs	MED	11	10	9	11	12	E 14	18	22	E 21	29	30	32	34	31	E 30	E 30	E 27	E 25	E 21	19	16	14	E 13	E 8
	CNT	22	20	22	22	22	22	22	23	23	230	23	23	22	23	23	25	26	24	23	22	24	22	22	18

SWEEP 0.67 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. MARCH, 1960

TABLE [illegible]

WILKES STATION (66.3S, 110.5E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 54	U 56	U 65	U 61	U 66	U 62	U 70	U 62	U 64	U 68	U 61	U 57	U 55	U 50	U 40	U 45	U 46	U 39	U 36	U 34	U 35	U 36	U 40	U 46
	CNT	20	20	17	17	13	11	14	14	17	17	22	15	13	12	11	15	9	13	10	17	8	13	13	20
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	250	240	230	220	230	220	230	230	235	250	260	280	270	260	255	270	255	U 250	265	270	240	270	270	250
	CNT	22	22	21	18	13	11	6	13	16	19	21	20	18	20	16	18	21	24	18	20	18	13	16	17
	UQ																								
	LQ																								
M(3000)F2	MED	U 265	U 260	U 255	U 250	U 250	U 250	U 245	U 245	U 255	U 260	U 250	U 260	U 260	U 255	U 245	U 255	U 255	U 265	U 265	U 275	U 260	U 270	U 280	U 270
	CNT	15	16	13	10	12	10	13	13	17	17	21	15	13	11	10	12	5	11	8	13	5	13	13	19
	UQ																								
	LQ																								
foF1	MED	U 370	U 400	U 410	U 420	U 430	U 430	U 420	U 420	U 400	U 390	U 330	U 300												
	CNT	7	11	17	11	13	13	9	13	17	15	12	6	3											2
foE	MED	U 220	U 270	U 280	U 290	U 305	U 300		U 280	260	240	U 200	U 160	U 140	U 110							C 100		155	U 185
	CNT	13	15	20	14	8	9	4	8	10	16	14	15	10	7	4	4		1	2	1	5	4	10	13
h'E	MED	110	110	110	110	110	105	100	110	110	110	110	110	E	E	E	E					E	E	100	110
	CNT	22	23	26	27	24	24	22	21	25	250	15	9	7	10	5	5		1	1	1	5	9	5	7
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 15 SECONDS. MARCH, 1960

TABLE [illegible]

LYCKSELE, SWEDEN (64.6N, 18.8E) 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	49	44	40	41	45	53	56	60	64	67	70	74	72	73	74	73	71	66	61	50	53	49	49
	CNT	19	17	19	17	24	23	22	26	29	28	28	27	29	29	28	27	26	27	27	23	21	18	20	21
	UQ																								
	LQ																								
h'F2	MED								365	340	370	370	350	350	350	400	405								
	CNT					2	4	15	11	20	17	17	20	25	16	14	13	12	12	7	1				
	UQ																								
	LQ																								
h'F	MED	350	370	375	340	330	270	265	255	250	230	230	225	225	230	230	240	[illegible]	255	26[illegible]	27[illegible]	280	240	340	320
	CNT	19	20	22	18	23	23	23	26	29	27	23	26	24	29	26	26	27	27	28	20	23	19	21	17
	UQ																								
	LQ																								
M(3000)F2	MED	240	240	240	240	240	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	250	[illegible]	260	[illegible]	270	270	270	280	280	260	260	240	240
	CNT	15	13	15	11	16	21	22	27	[illegible]	[illegible]	[illegible]	27	29	27	28	26	25	25	25	22	18	17	17	17
	UQ																								
	LQ																								
foF1	MED							380	4[illegible]0	420	470	490	500	500	490	490	480	46[illegible]							
	CNT						[illegible]	5	11	20	21	21	22	27	15	14	11	[illegible]	3	1					
foE	MED					95	165	210	240	270	300	310	320	325	315	310	270	260	230	170	145				
	CNT					5	17	19	20	22	23	22	21	24	25	21	24	23	21	11	7	[illegible]			
h'E	MED						125	120	120	115	110	105	105	[illegible]	105	105	105	110	120	140	140				
	CNT					3	[illegible]	13	12	16	21	20	20	24	21	17	19	16	14	6	3	1			
foEs	MED																								
	CNT																								

SWEEP .33 MC TO 2[illegible] MC IN [illegible] MINUTE[illegible]. [illegible]TOBER, 19[illegible]

TABLE 96

MACAU (22.2N, 113.6E) TIME 120.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	150	148	141	118	100	84	86	100	110	120	130	140	145	148	150	150	150	150	150	150			150	
	CNT	13	13	15	11	7	6	8	21	20	20	20	20	22	25	20	20	22	23	15	5	2	1	9	4
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED										400	400	400	405	405	400	400	400	410	450					
	CNT									1	10	14	18	12	18	14	12	22	21	7					
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	240	270	270	240	[illegible]	[illegible]	24[illegible]	220	215	210	[illegible]	[illegible]	[illegible]	[illegible]	205	210	215	220	205			240	
	CNT	13	13	15	11	8	6	8	21	20	20	20	20	22	25	20	20	22	23	15	5	2	1	9	4
	UQ																								
	LQ																								
foF1	MED											850	850	840	800	800	760	710	740						
	CNT									1	[illegible]	7	12	10	25	22	23	18	10	1					
foE	MED								240	300	300								280						
	CNT							3	7	16	6	1						2	12	3					
h'E	MED								185	175	170								170						
	CNT							3	7	16	[illegible]	1						2	12	3					
foEs	MED																								
	CNT																								

SWEEP 1.5 MC TO 20.0 MC IN 15 SECONDS. SEPTEMBER, 1959

TABLE 97

TSUMEB, SOUTH W. AFRICA (19.2S, 17.7E) 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	367	337	30	284	289	284	455	854	1005	1136	1203	120	1192	1163	116	114	115	1149	112	945	756	542	49	41
	CNT	24	30	27	28	28	30	28	28	29	26	28	30	29	24	30	28	28	29	29	27	28	30	30	29
	UQ																								
	LQ																								
h'F2	MED															383									
	CNT															2									
	UQ																								
	LQ																								
h'F	MED	268	259	262	255	252	259	258	234	230	221	220	220	220	224	229	230	240	248	240	220	224	233	238	234
	CNT	24	24	21	25	25	24	29	30	30	30	28	27	26	26	24	21	25	28	27	23	24	24	23	24
	UQ																								
	LQ																								
M(3000)F2	MED	274	284	280	286	298	300	278	330	318	304	295	282	275	271	264	265	272	283	297	312	305	307	296	286
	CNT	24	27	26	27	25	30	27	28	29	26	26	28	29	29	30	28	28	29	29	27	27	29	29	29
	UQ																								
	LQ																								
foF1	MED															638									
	CNT															4									
foE	MED							122	249	364	365	390	403	403	392	376	350	316	240						
	CNT							5	30	29	28	26	25	21	23	24	14	23	17						
h'E	MED							120	120	110	107	103	104	105	102	103	103	109	119						
	CNT							6	21	16	80	1	2	1	1	4	5	6	4						
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 4 MINUTES. AUGUST, 1954

TABLE 98

TSUMEB, SOUTH W. AFRICA (19.2S, 17.7E) 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	302	276	28	271	254	242	385	81	954	107	115	118	1125	114	1107	110	1123	1118	1004	738	531	446	38	341
	CNT	27	26	28	26	28	26	29	31	30	31	30	31	29	31	31	31	30	31	31	30	31	31	29	28
	UQ																								
	LQ																								
h'F2	MED														300	335									
	CNT														2	1									
	UQ																								
	LQ																								
h'F	MED	263	261	265	258	268	278	254	232	230	225	228	227	221	225	228	232	242	240	225	215	225	238	240	250
	CNT	20	20	21	17	20	18	28	31	31	30	30	26	26	27	26	25	29	27	21	14	22	19	20	20
	UQ																								
	LQ																								
M(3000)F2	MED	283	283	290	304	297	285	265	335	326	312	300	292	282	279	276	271	279	295	312	319	315	305	298	293
	CNT	27	24	27	26	26	26	29	31	29	30	30	31	29	30	31	31	30	31	31	30	31	31	28	25
	UQ																								
	LQ																								
foF1	MED											610			576	575									
	CNT											1			2	1									
foE	MED								222	305	347	371	385	388	375	361	337	296	219						
	CNT								31	31	31	28	25	24	44	24	24	23	14						
h'E	MED								221	112	110	104	101	102	104	103	102	104	125						
	CNT								28	17	130	7	2	2	4	5	3	4	7						
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 4 MINUTES. JULY, 1954

TABLE 99

NURMIJARVI, FINLAND (60.5N, 24.6E) 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	74	74	69	69	73	74	73	71	70	74	76	76	75	73	72	69	69	72	70	68	70	68	72	76
	CNT	8	10	12	15	17	20	17	24	26	26	27	26	27	25	27	27	28	25	27	23	18	11	7	6
	UQ	77	77	74	75	77	81	81	78	78	80	82	83	78	78	77	77	75	75	76	76	76	73	76	77
	LQ	69	73	57	58	58	64	63	60	62	61	67	68	67	66	68	63	65	63	66	67	68	65	63	74
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	265	265	262	260	265	270	270	270	265	265	265	260	265	260	265	265	270	270	280	285	280	275	270	270
	CNT	8	10	12	15	17	20	19	24	26	26	27	26	27	25	27	27	28	25	27	23	18	11	7	6
	UQ	270	270	270	270	270	275	270	270	270	270	270	270	270	272	270	270	275	278	285	290	290	280	270	270
	LQ	260	260	255	260	252	260	260	255	250	255	260	260	255	255	250	255	265	265	270	275	275	275	260	270
foF1	MED							390	420	480	500	510	540	550	540	540	550	550	520	500					
	CNT							6	10	17	20	23	27	22	22	19	21	18	10	4	4				
foE	MED							270				350	360	370				350	330	300	270				
	CNT							4	7	3	4	4	5	5	1		2	6	8	5	6	1	1		
h'E	MED			48	45	50	56	45	52	47	56	56	66	58	57	53	51	50	53	60	47	50	46		
	CNT	4	6	7	7	11	14	16	15	15	18	19	14	13	10	11	7	9	13	12	12	15	10	4	4
foEs	MED	SWEEP 1.0 MC TO 25.0 MC IN 1 MINUTE.																							
	CNT																								

JUNE, 1954

TABLE 100

MACAU (22.2N, 113.6E) TIME 120.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	155	151	140	115	110	96	91	92	92	100	120	125	140	144	150	150	150	151	152	157	154	154	152	153
	CNT	16	13	13	10	8	7	6	8	13	8	6	6	9	14	21	20	23	18	17	15	12	10	10	7
	UQ	166	159	156	140	125	100	95	100	100	110	120	130	144	150	150	154	153	160	155	160	158	155	156	160
	LQ	150	151	140	110	95	90	85	85	90	95	120	120	130	140	147	150	150	150	150	153	150	150	150	150
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED									370	360	350	190	400	400	400	400	400	392	380	390				
	CNT									7	22	41	19	16	15	18	18	19	14	10	14				
	UQ																								
	LQ																								
M(3000)F2	MED	205	220	220	220	205	210	205	210	220	205	205	205	205	205	205	205	205	205	205	205	209	205	205	205
	CNT	16	13	13	10	8	7	6	8	13	8	6	6	9	14	21	20	23	18	17	15	12	10	10	7
	UQ																								
	LQ																								
foF1	MED											700	700	700	700	700	662	652	642	670					
	CNT									5	4	11	12	12	17	16	16	22	15	15	1				
foE	MED								280	300	340	400	400					400	380	300	280				
	CNT								4	17	17	17	6	3		1	1	7	7	13	10				
h'E	MED								162	155	154	155	154	1		1	1	152	166	156	155				
	CNT								7	17	17	17	6	1		1	1	7	7	13	10				
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 15 SECONDS. JUNE, 1954

H. COORDINATES DE

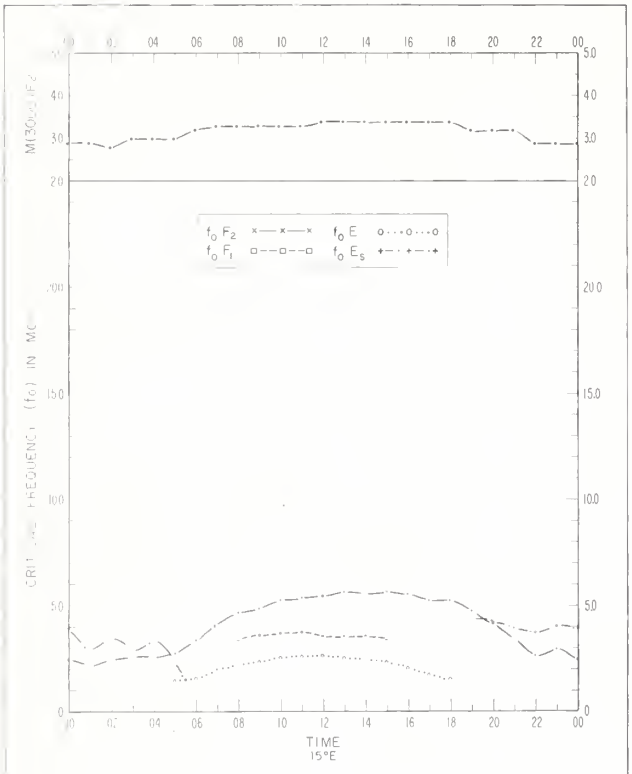

Fig 1 KIRUNA, SWEDEN
67.8°N, 20.4°E
MARCH 1962

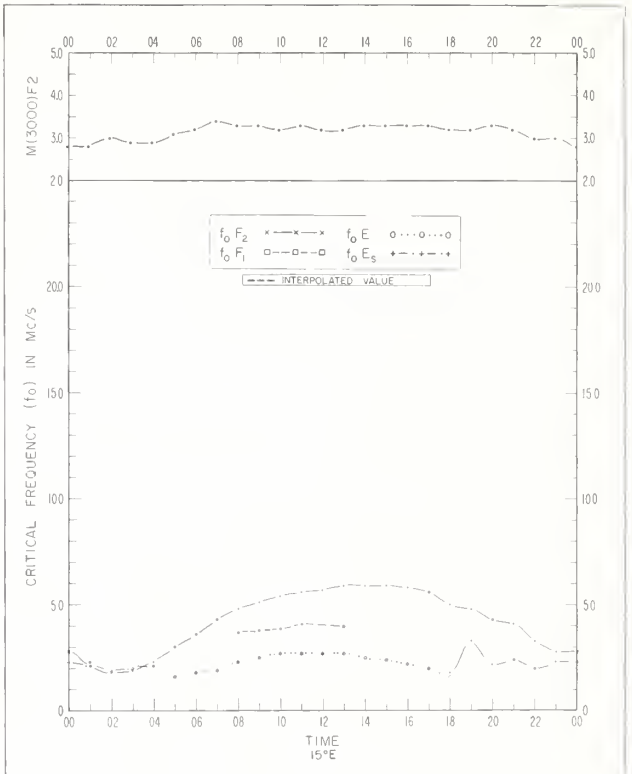

Fig 2 LULEA, SWEDEN
65.6°N, 22.1°E
MARCH 1962

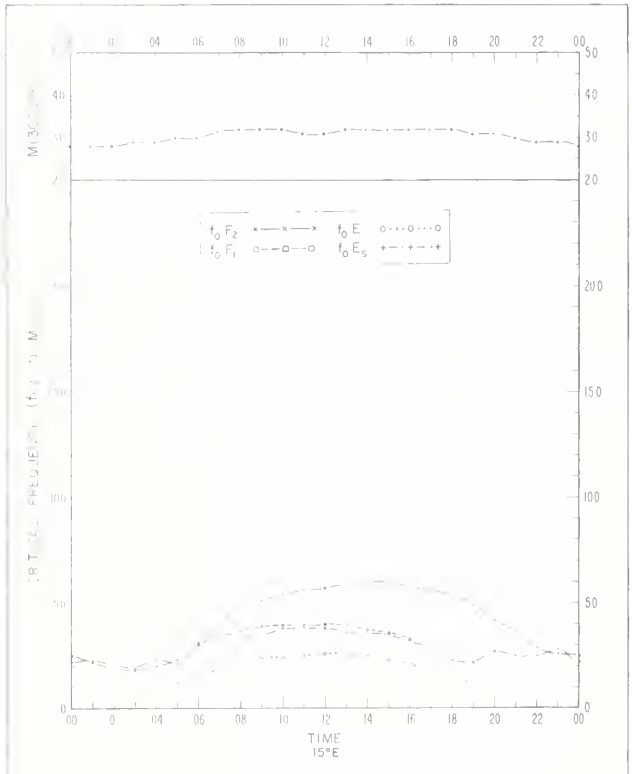

Fig 3 LYCKSELE, SWEDEN
64.7°N, 18.8°E
MARCH 1962

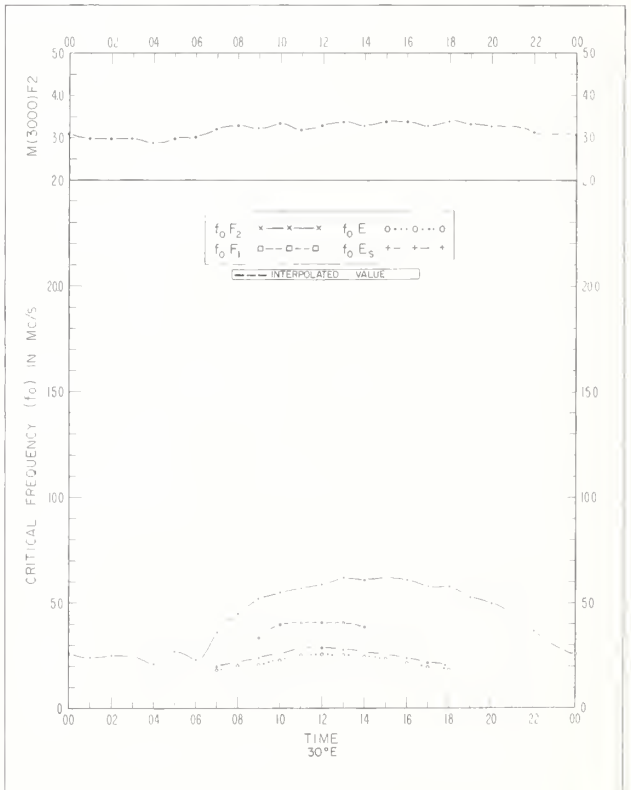

Fig 4 NURMIJARVI, FINLAND
60.5°N, 24.6°E
MARCH 1962

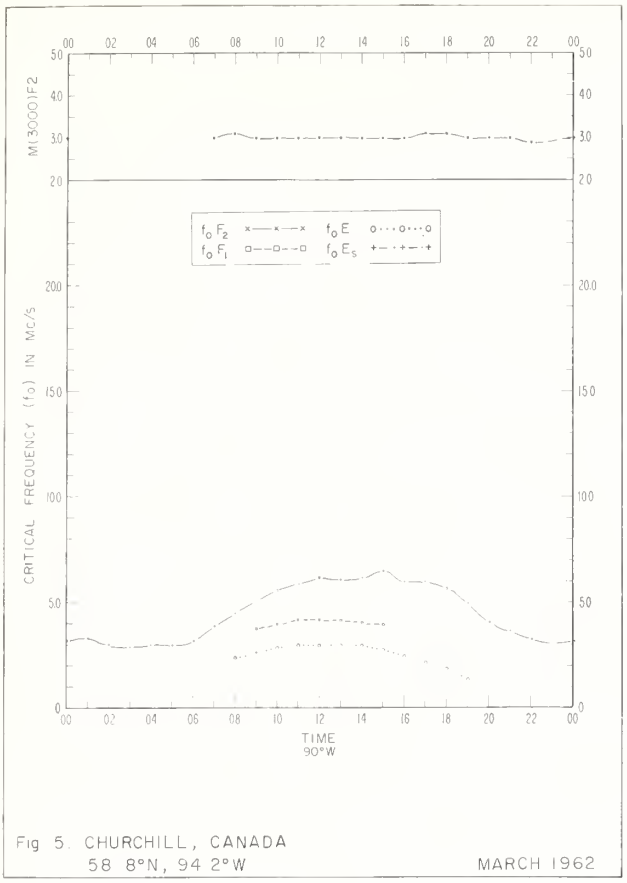

Fig 5. CHURCHILL, CANADA
58 8°N, 94 2°W
MARCH 1962

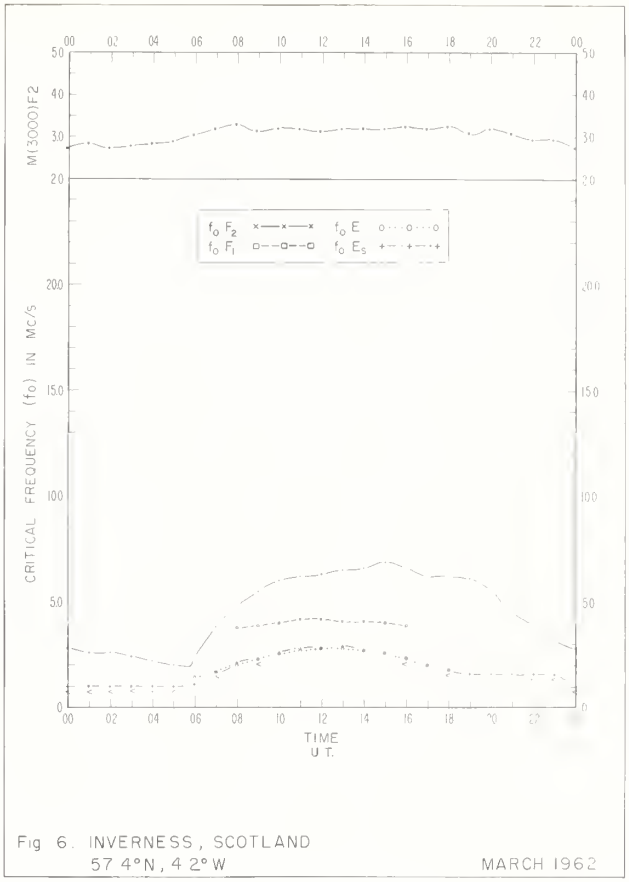

Fig 6. INVERNESS, SCOTLAND
57 4°N, 4 2°W
MARCH 1962

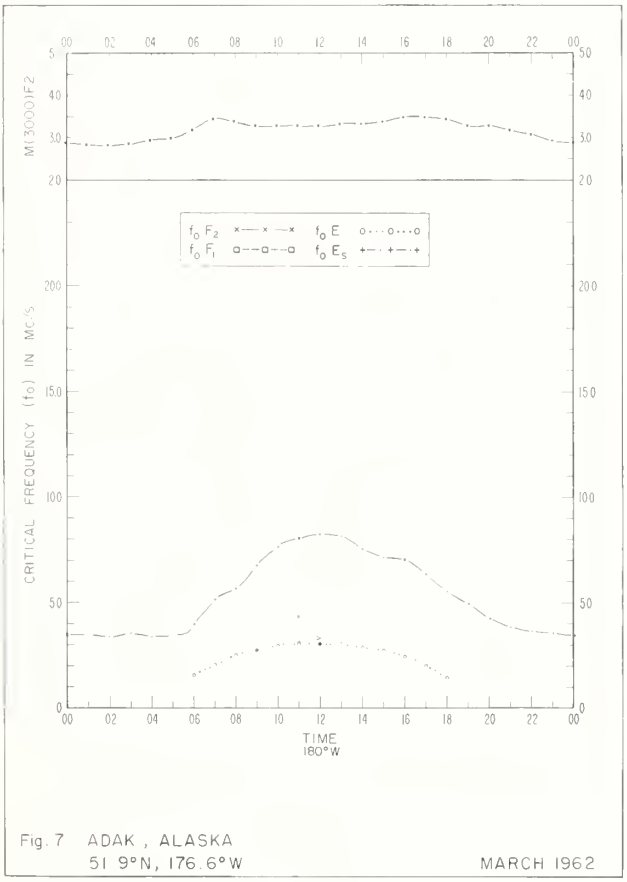

Fig. 7 ADAK, ALASKA
51 9°N, 176.6°W
MARCH 1962

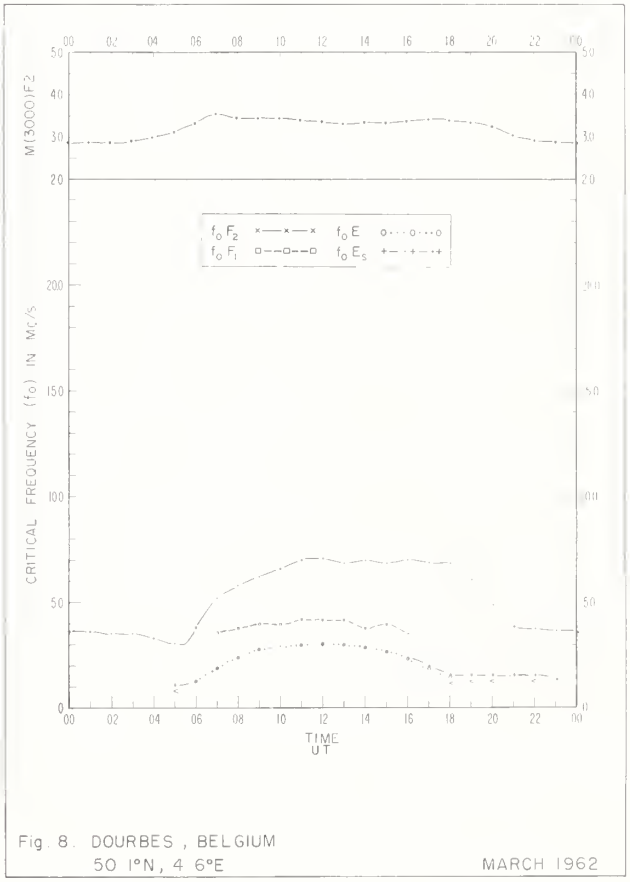

Fig. 8. DOURBES, BELGIUM
50 1°N, 4 6°E
MARCH 1962

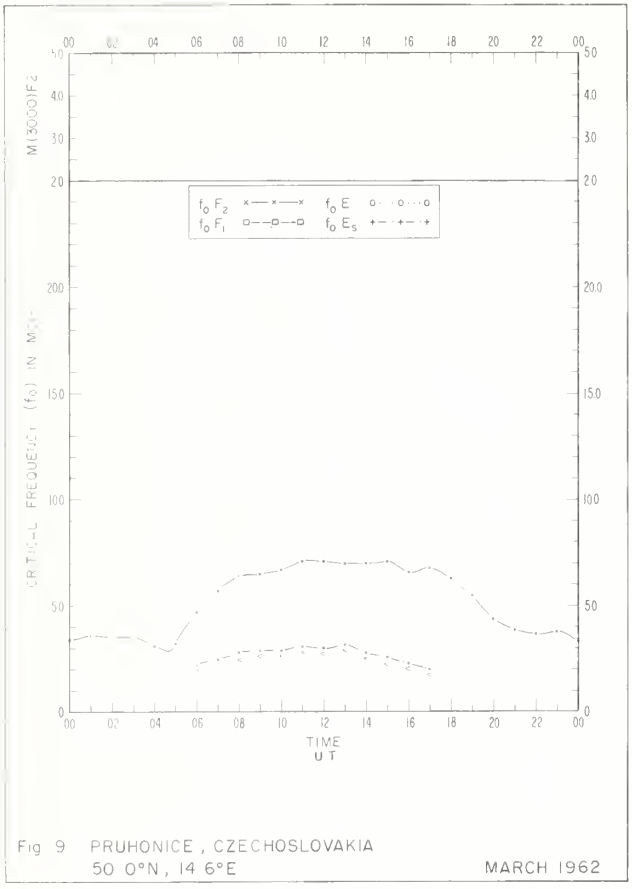

Fig 9 PRUHONICE, CZECHOSLOVAKIA
50 0°N, 14 6°E
MARCH 1962

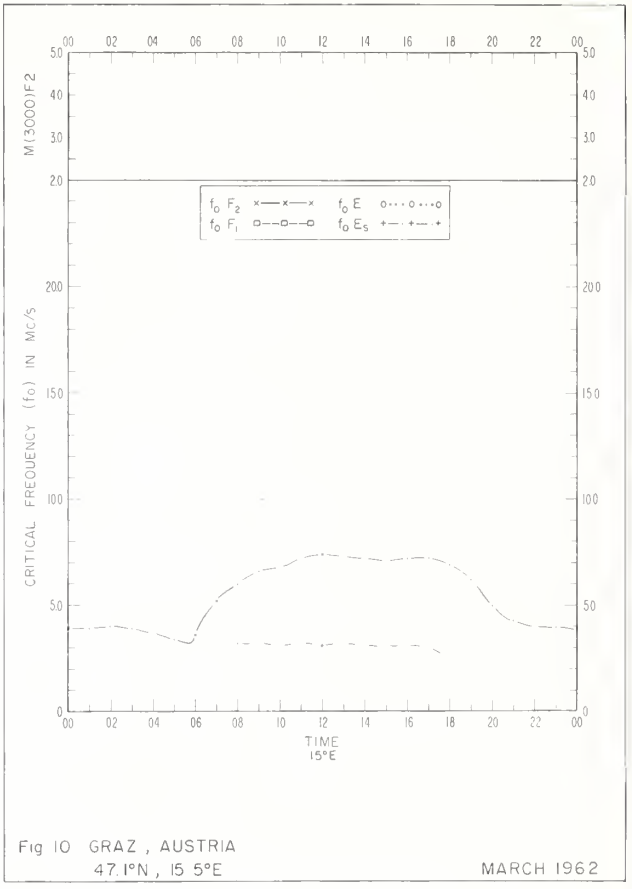

Fig 10 GRAZ, AUSTRIA
47 1°N, 15 5°E
MARCH 1962

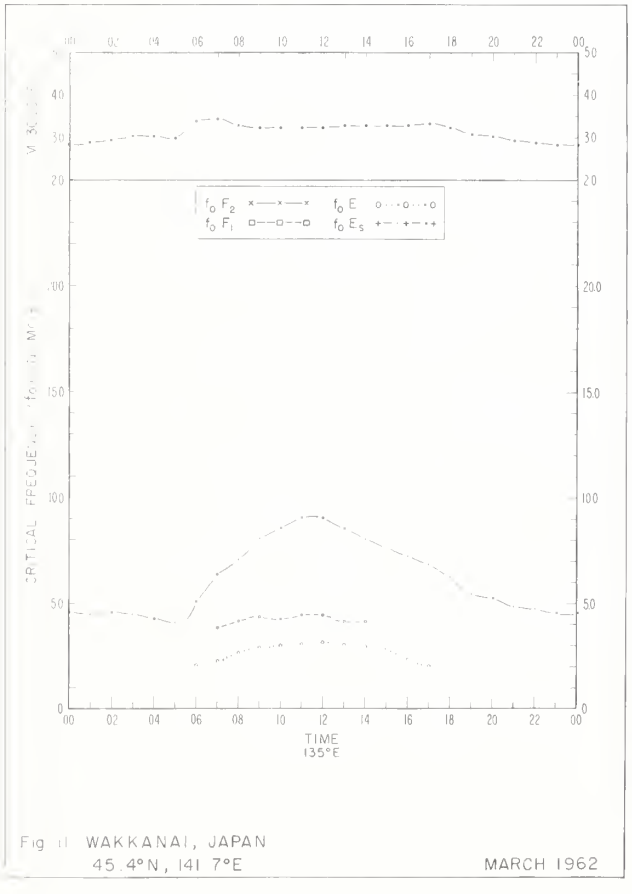

Fig 11 WAKKANAI, JAPAN
45 4°N, 141 7°E
MARCH 1962

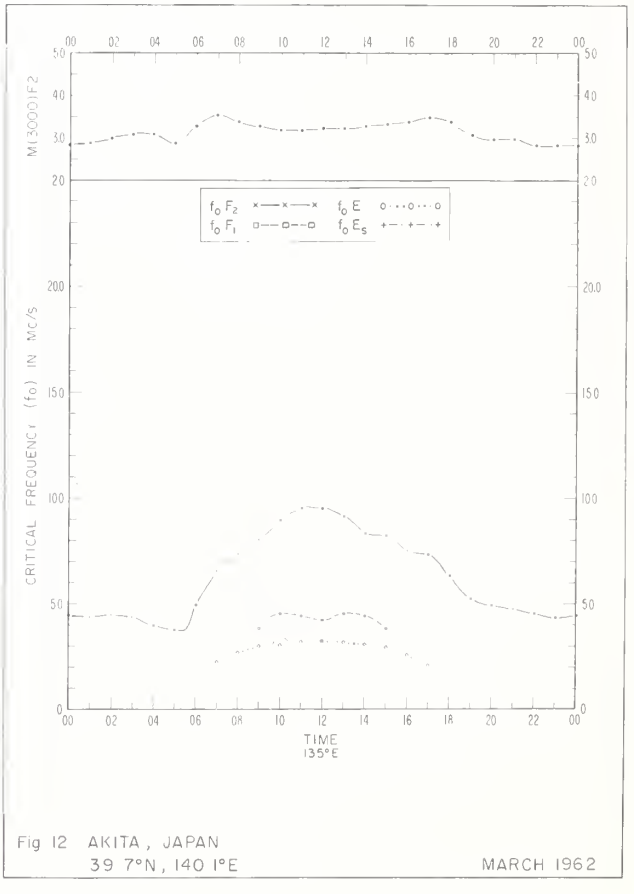

Fig 12 AKITA, JAPAN
39 7°N, 140 1°E
MARCH 1962

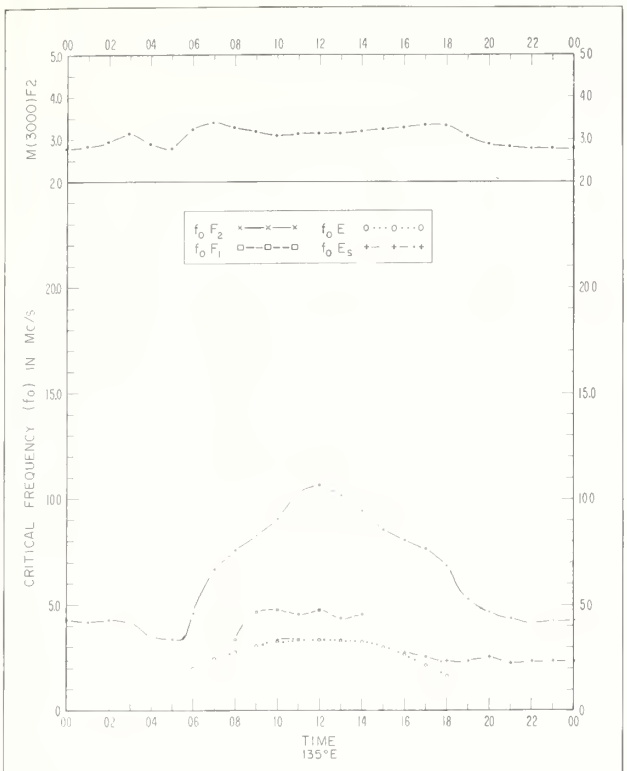

Fig. 13 TOKYO, JAPAN
35 7°N, 139 5°E
MARCH 1962

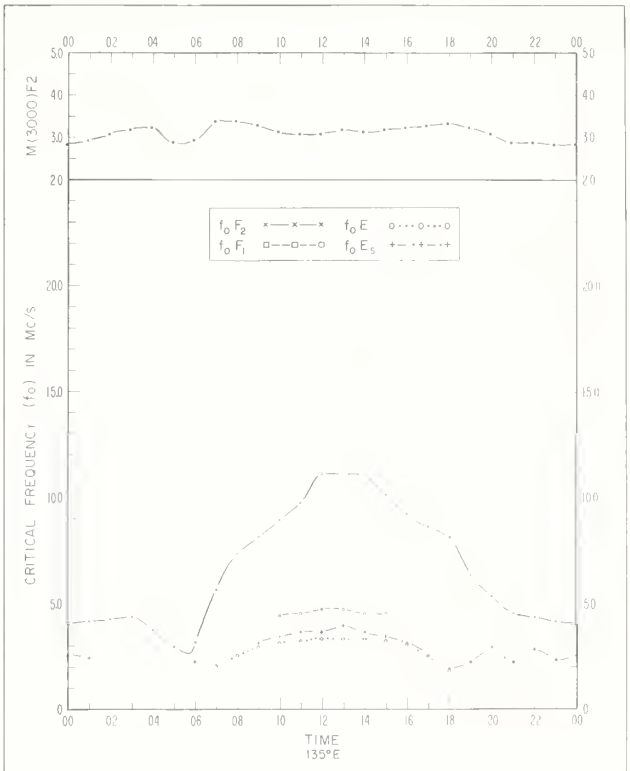

Fig 14. YAMAGAWA, JAPAN
31 2°N, 130 6°E
MARCH 1962

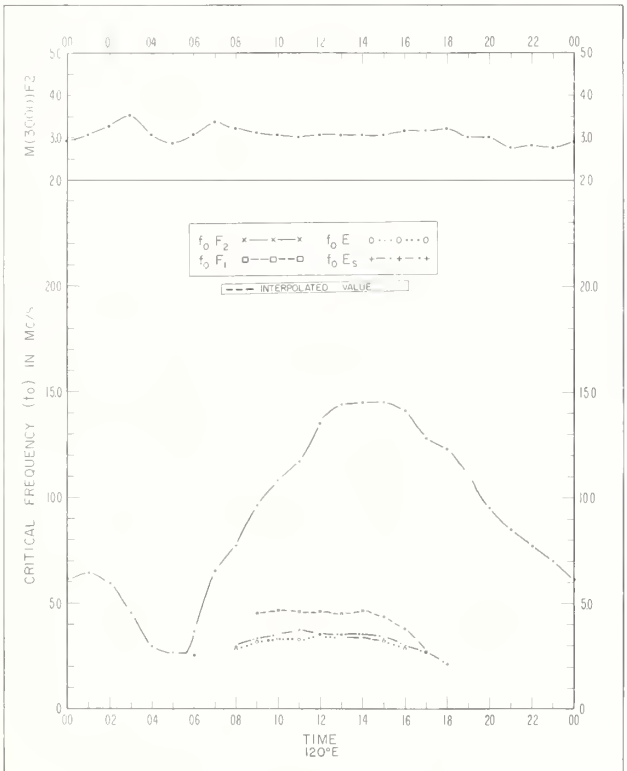

Fig 15. FORMOSA, CHINA
25.0 N, 121 5 E
MARCH 1962

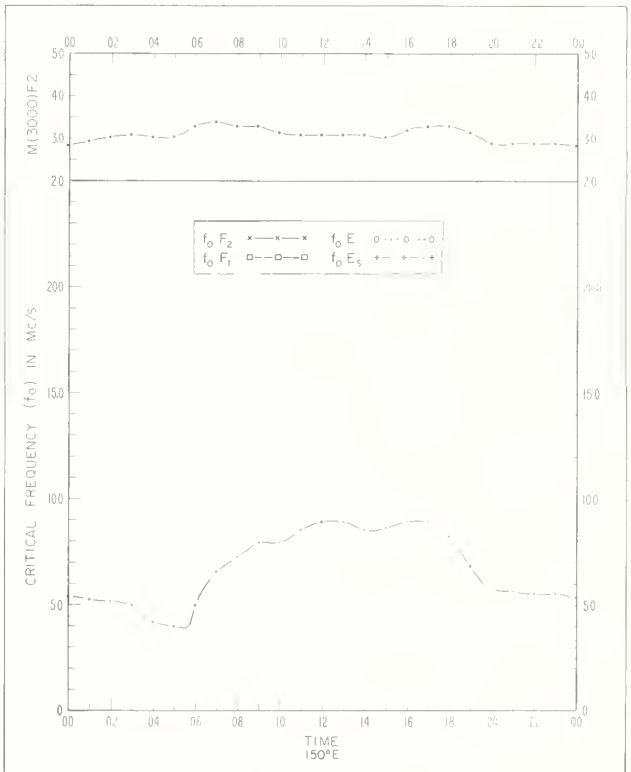

Fig 16 BRISBANE, AUSTRALIA
27 5°S, 152 9°E
MARCH 1962

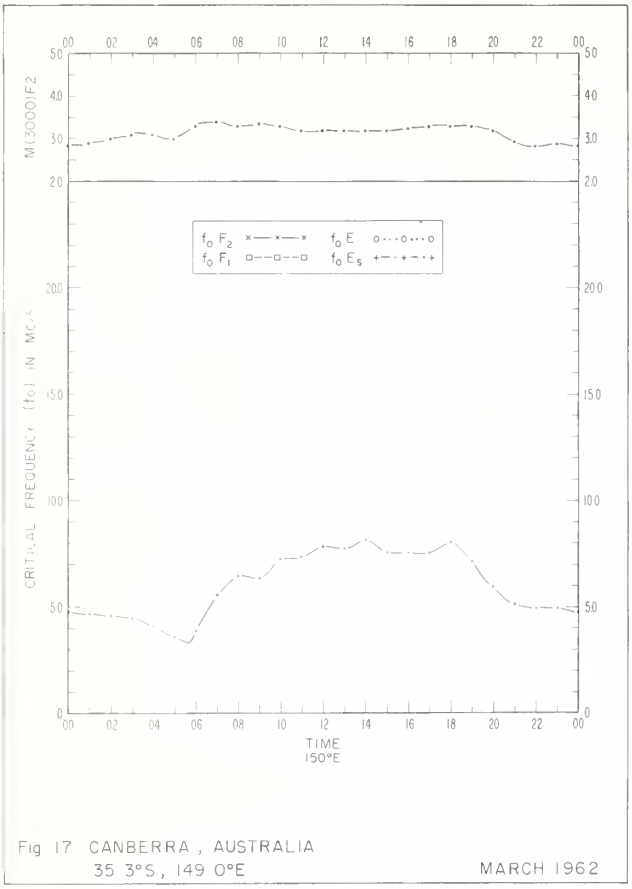

Fig 17 CANBERRA , AUSTRALIA
35 3°S, 149 0°E
MARCH 1962

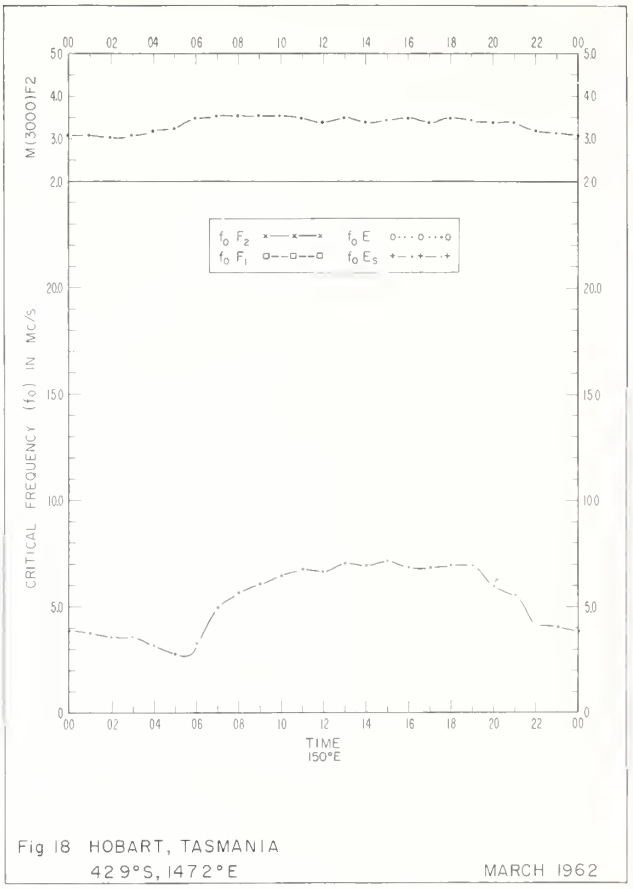

Fig 18 HOBART, TASMANIA
42 9°S, 147 2°E
MARCH 1962

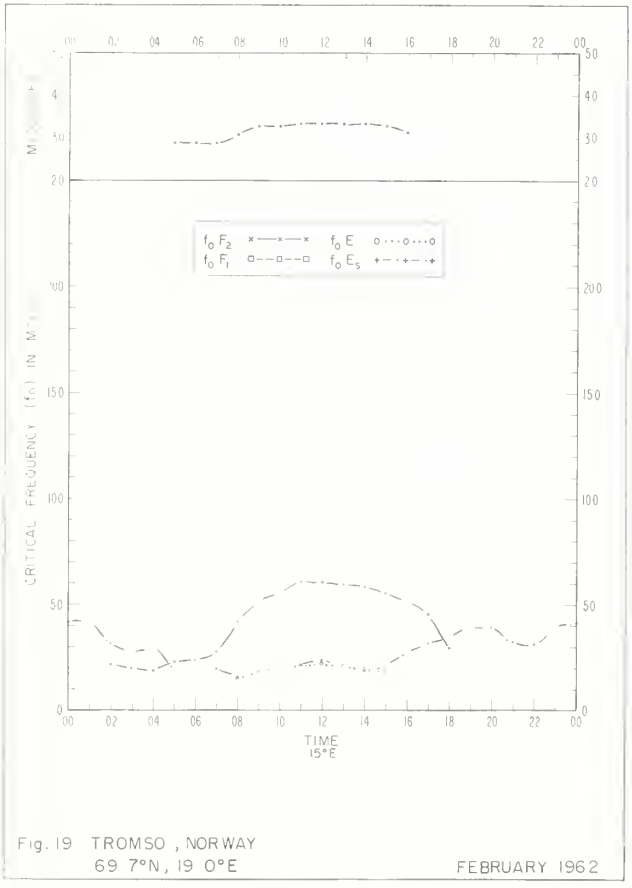

Fig. 19 TROMSO , NORWAY
69 7°N, 19 0°E
FEBRUARY 1962

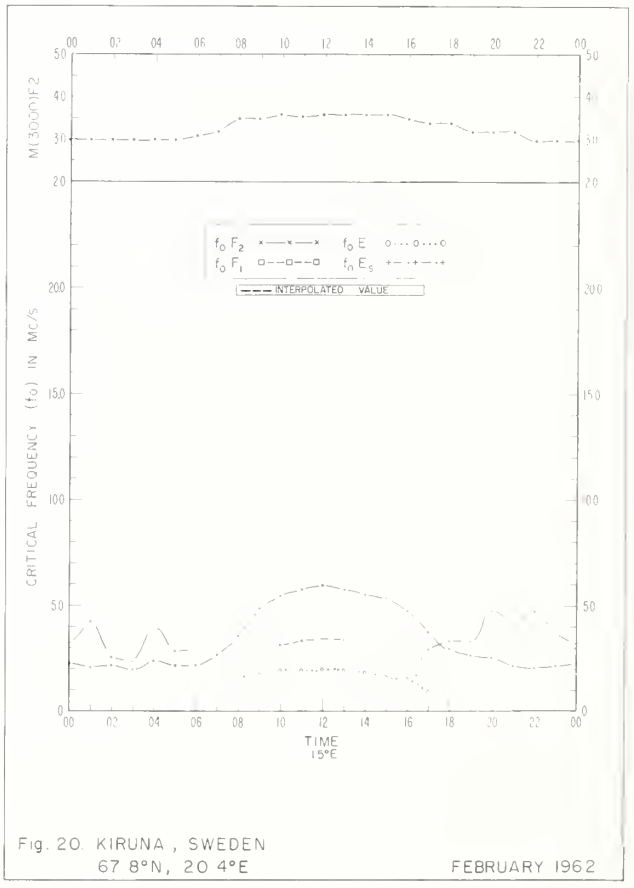

Fig. 20 KIRUNA , SWEDEN
67 8°N, 20 4°E
FEBRUARY 1962

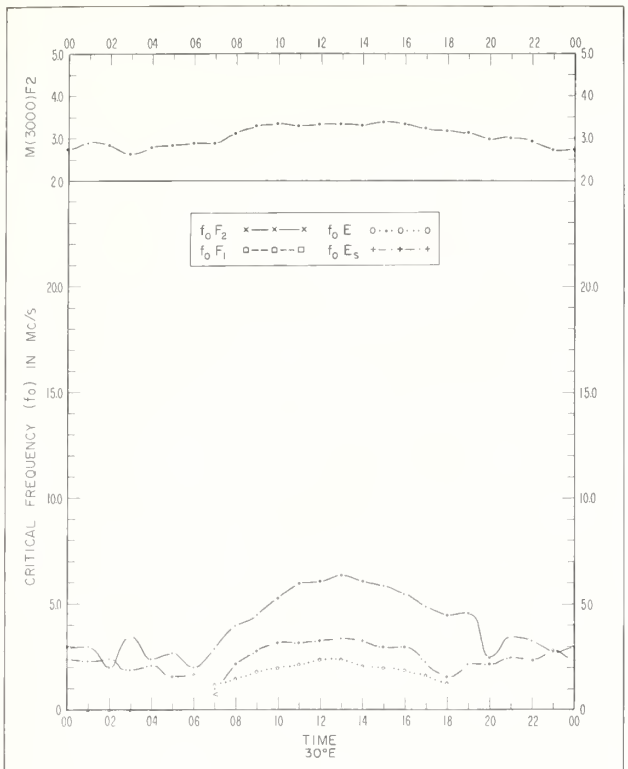

Fig. 21. SODANKYLA, FINLAND
67.4°N, 26.6°E FEBRUARY 1962

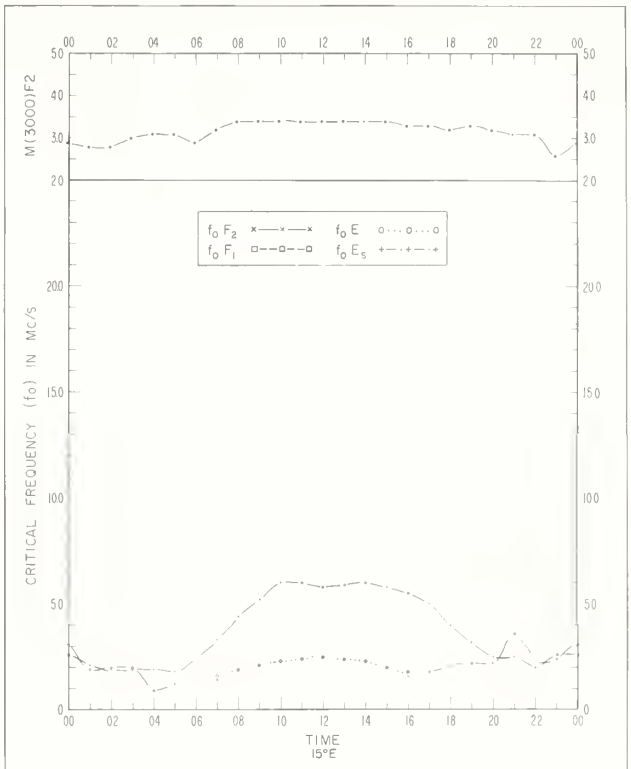

Fig 22 LULEA, SWEDEN
65.6°N, 22.1°E FEBRUARY 1962

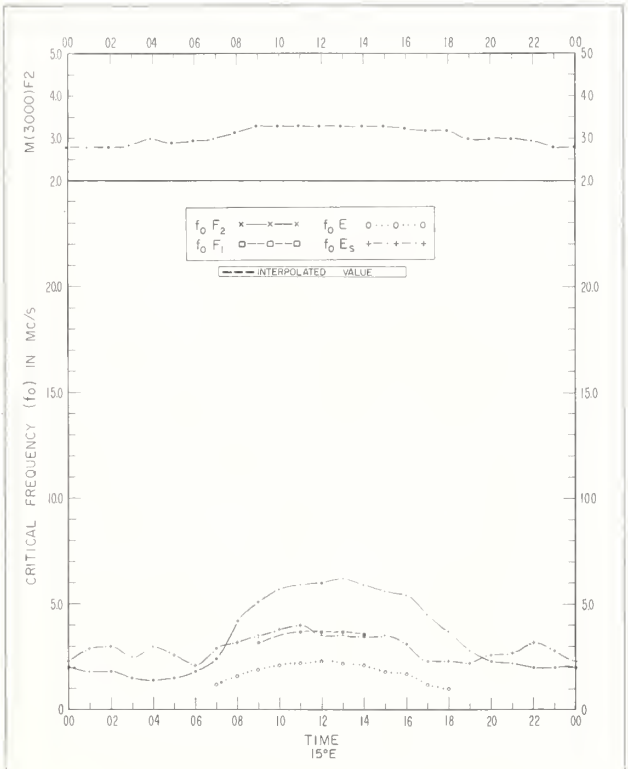

Fig 23. LYCKSELE, SWEDEN
64.7°N, 18.8°E FEBRUARY 1962

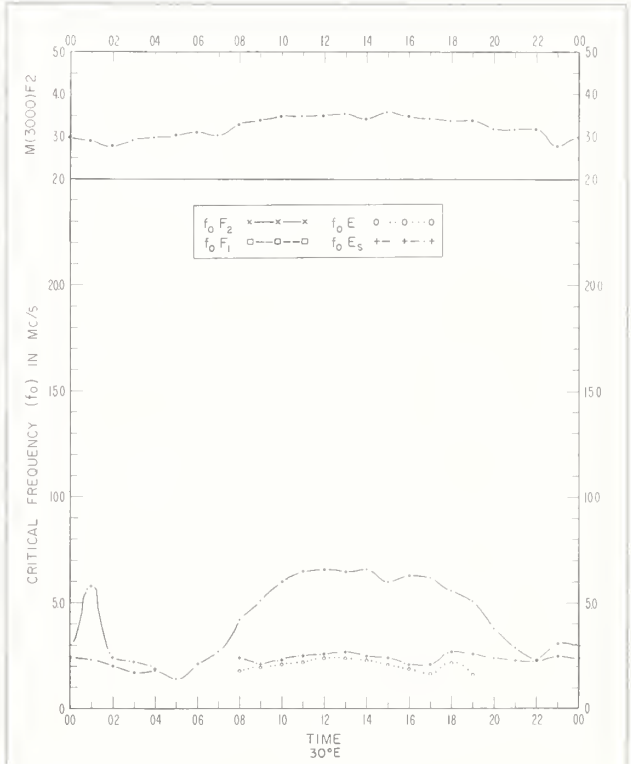

Fig. 24 NURMIJARVI, FINLAND
60.5°N, 24.6°E FEBRUARY 1962

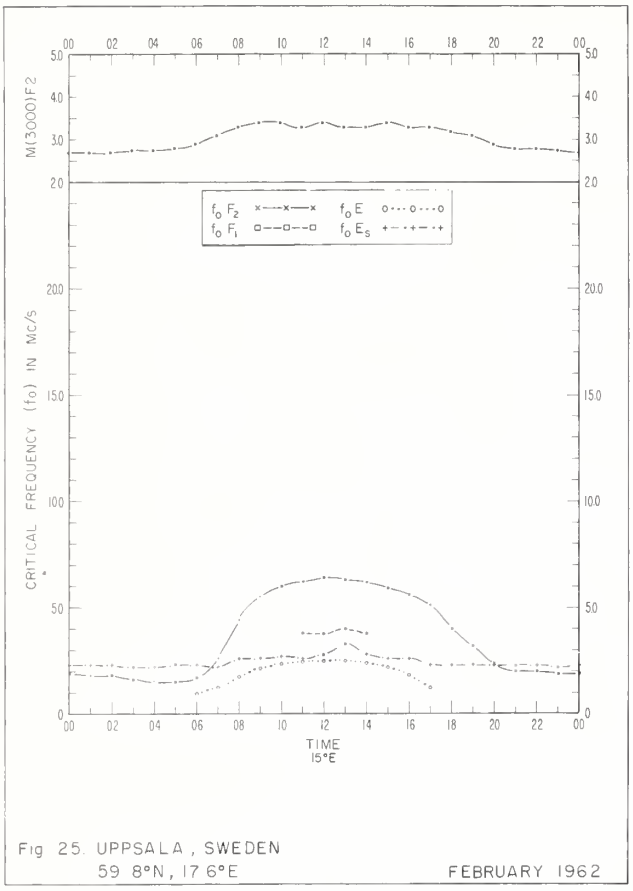

Fig 25. UPPSALA, SWEDEN
59 8°N, 17 6°E
FEBRUARY 1962

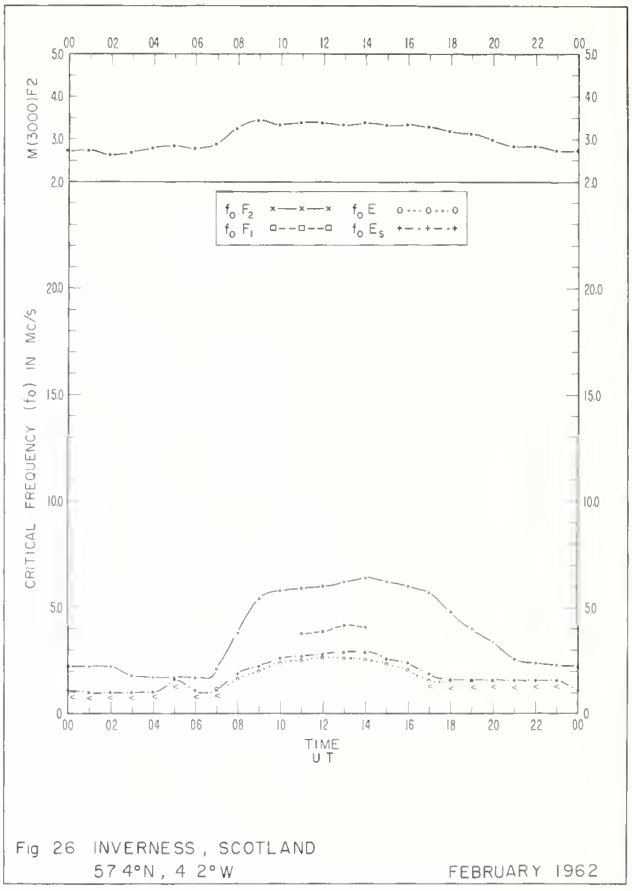

Fig 26. INVERNESS, SCOTLAND
57 4°N, 4 2°W
FEBRUARY 1962

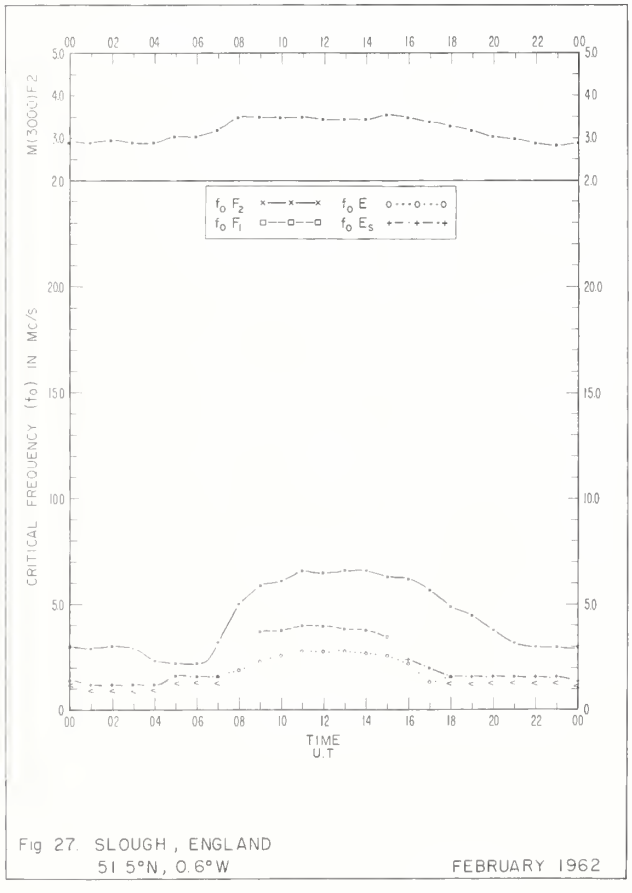

Fig 27. SLOUGH, ENGLAND
51 5°N, 0.6°W
FEBRUARY 1962

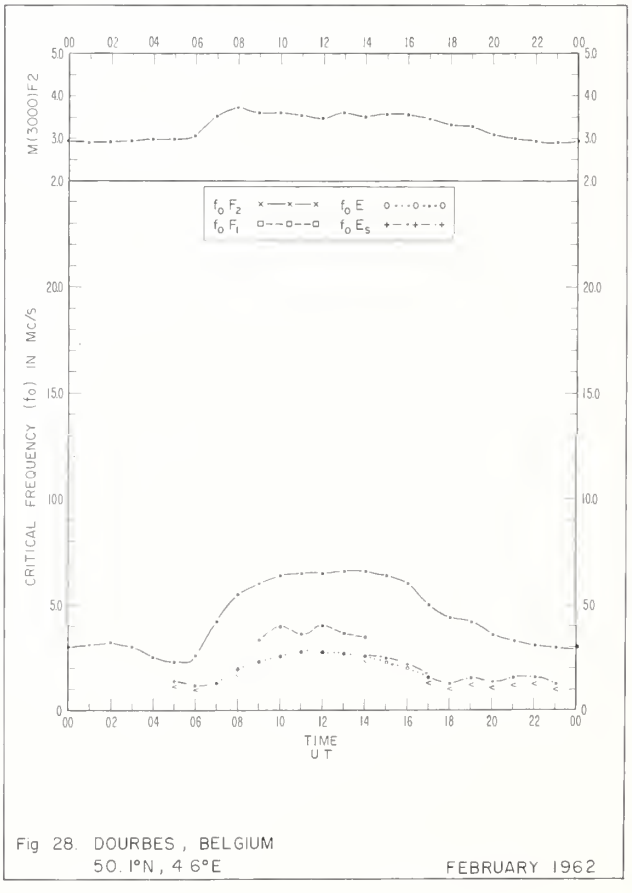

Fig 28. DOURBES, BELGIUM
50. I°N, 4 6°E
FEBRUARY 1962

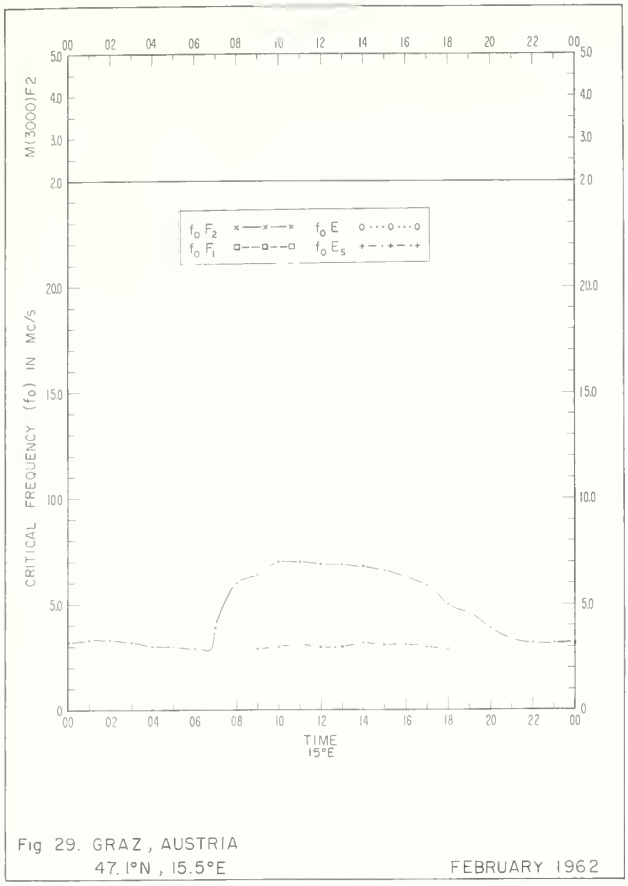

Fig 29. GRAZ, AUSTRIA
47.1°N, 15.5°E
FEBRUARY 1962

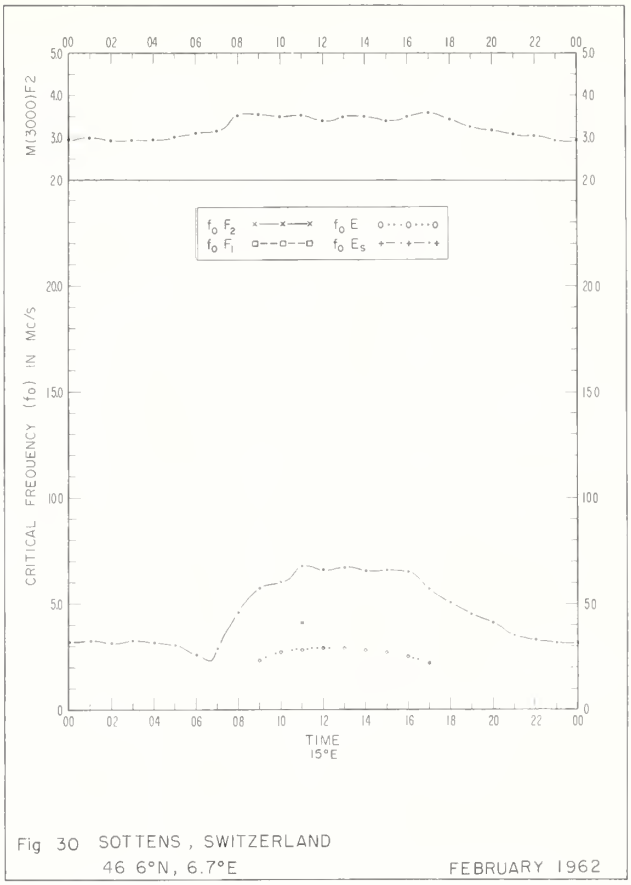

Fig 30 SOTTENS, SWITZERLAND
46 6°N, 6.7°E
FEBRUARY 1962

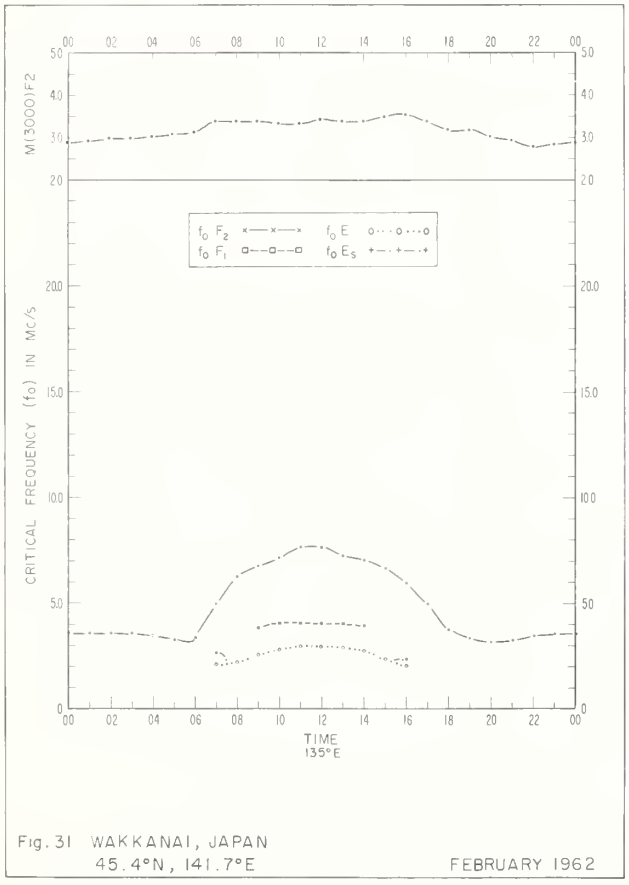

Fig. 31 WAKKANAI, JAPAN
45.4°N, 141.7°E
FEBRUARY 1962

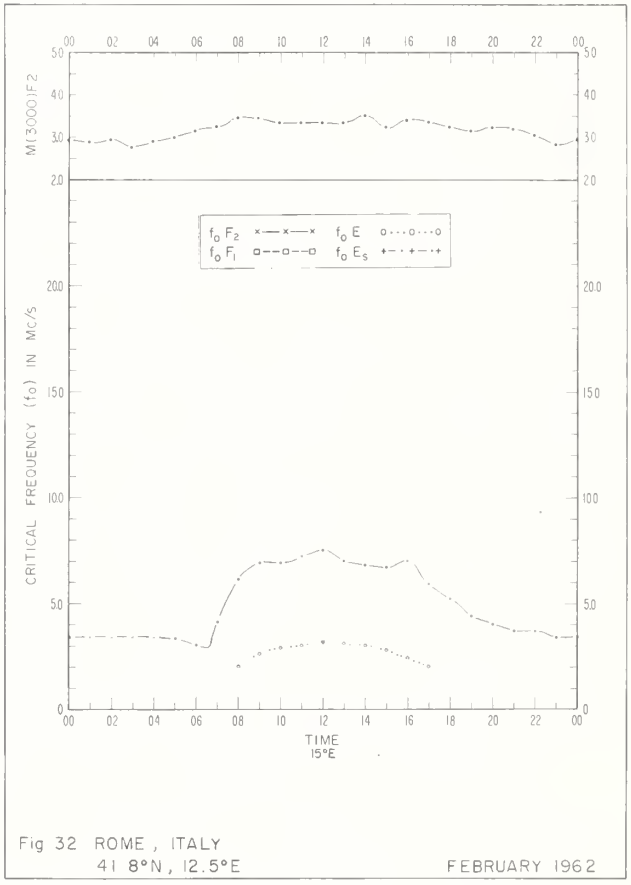

Fig 32 ROME, ITALY
41 8°N, 12.5°E
FEBRUARY 1962

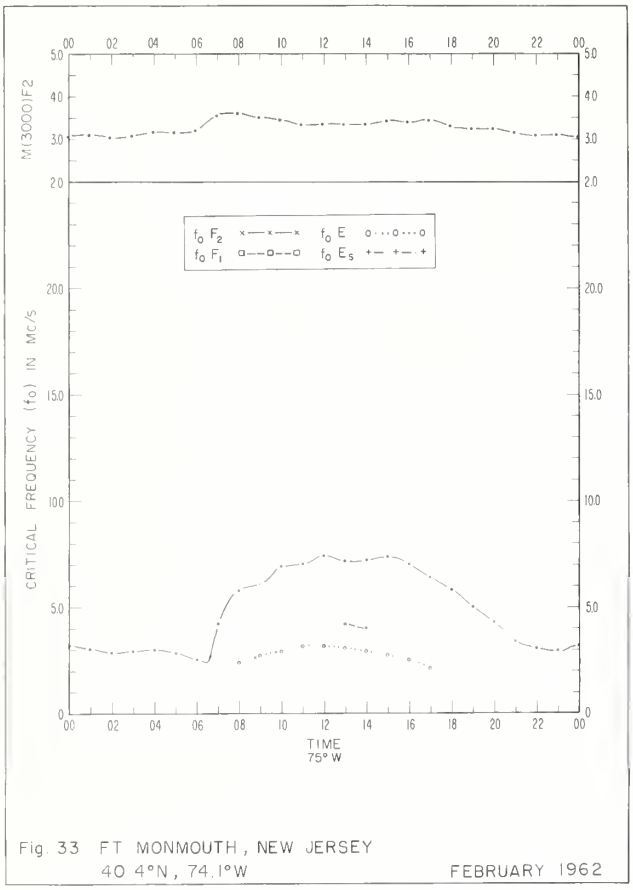

Fig. 33 FT MONMOUTH, NEW JERSEY
40 4°N, 74.1°W FEBRUARY 1962

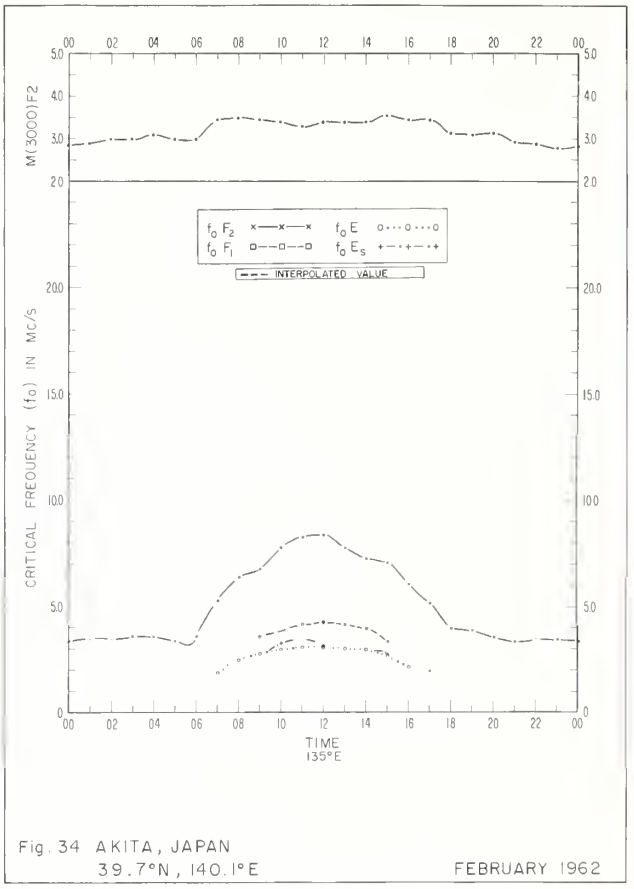

Fig. 34 AKITA, JAPAN
39.7°N, 140.1°E FEBRUARY 1962

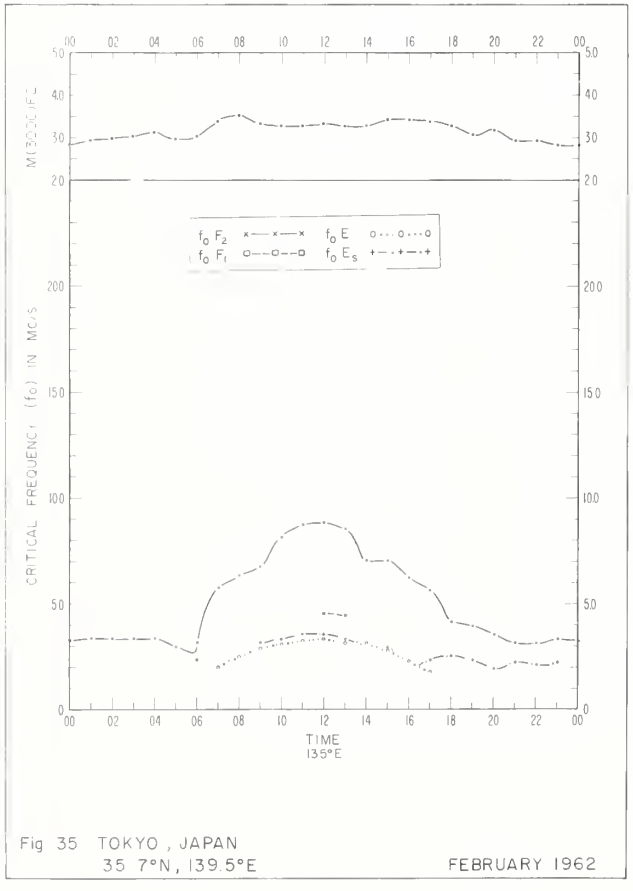

Fig 35 TOKYO, JAPAN
35 7°N, 139.5°E FEBRUARY 1962

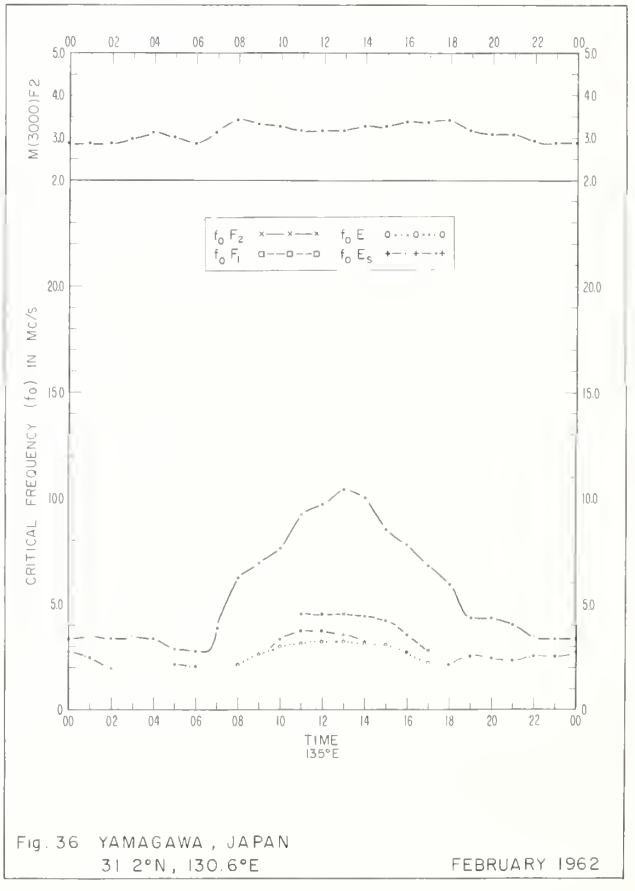

Fig. 36 YAMAGAWA, JAPAN
31 2°N, 130.6°E FEBRUARY 1962

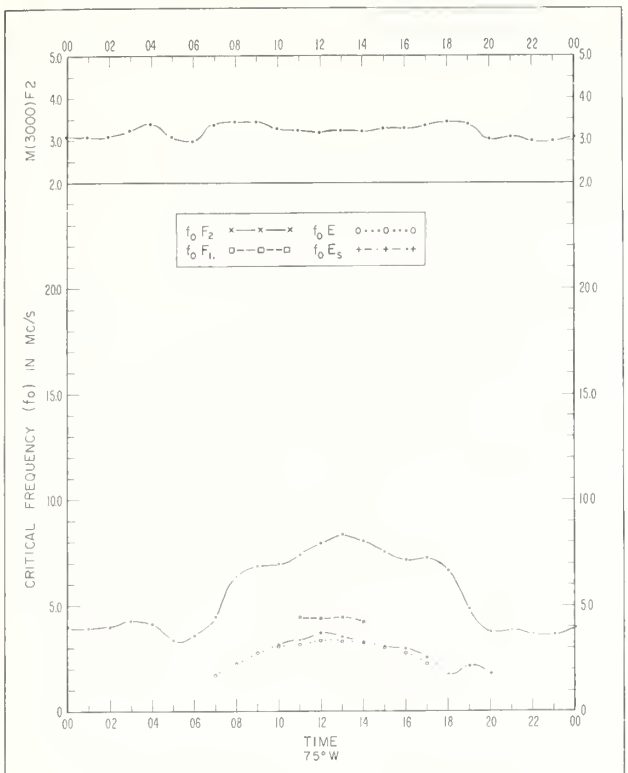

Fig. 37. GRAND BAHAMA I.
26.6°N, 78.2°W
FEBRUARY 1962

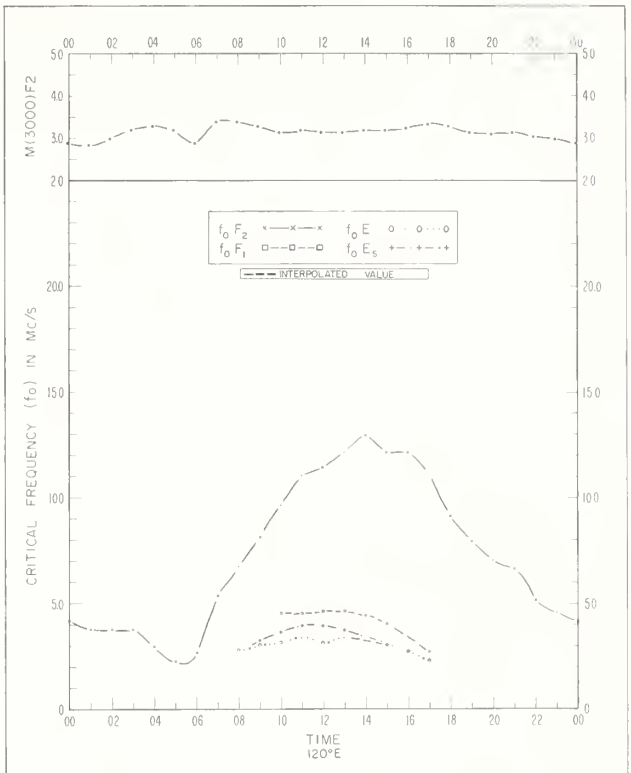

Fig 38. FORMOSA, CHINA
25.0N, 121.5°E
FEBRUARY 1962

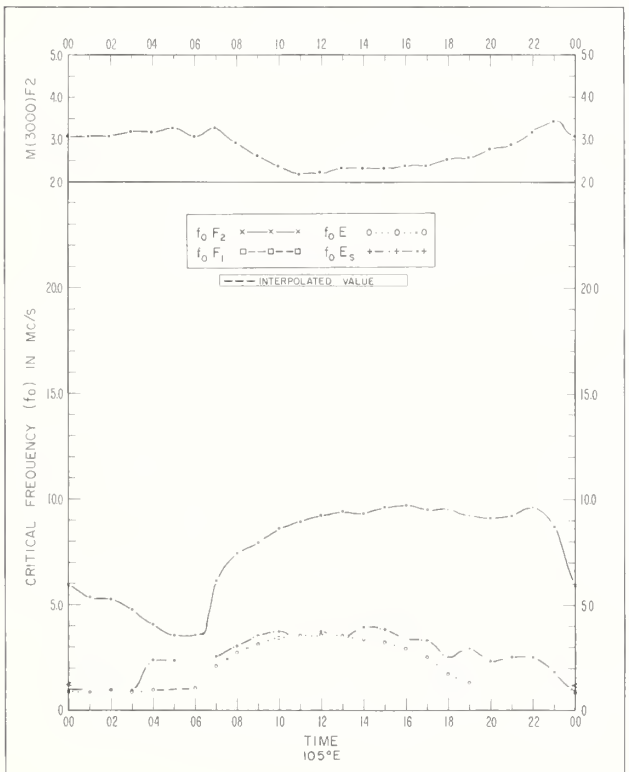

Fig. 39. SINGAPORE, BRITISH MALAYA
1.3°N, 103.8°E
FEBRUARY 1962

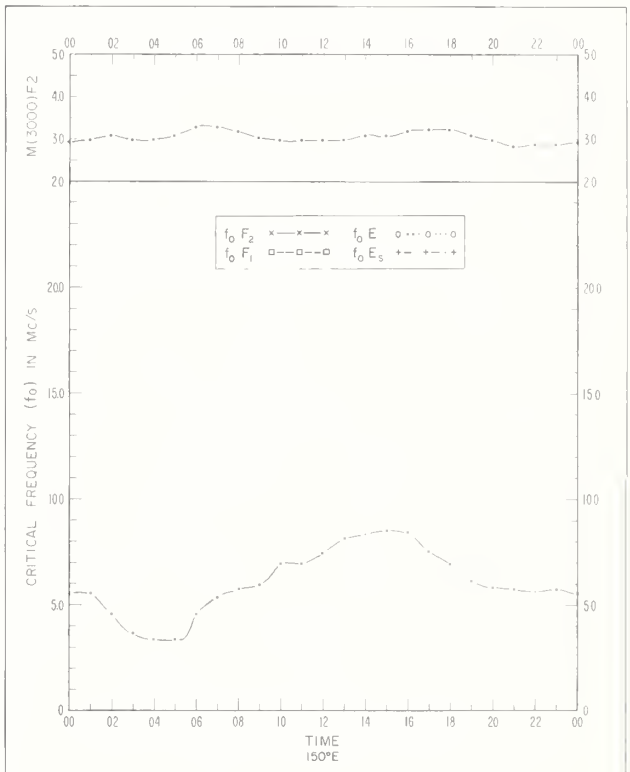

Fig 40. BRISBANE, AUSTRALIA
27.5°S, 152.9°E
FEBRUARY 1962

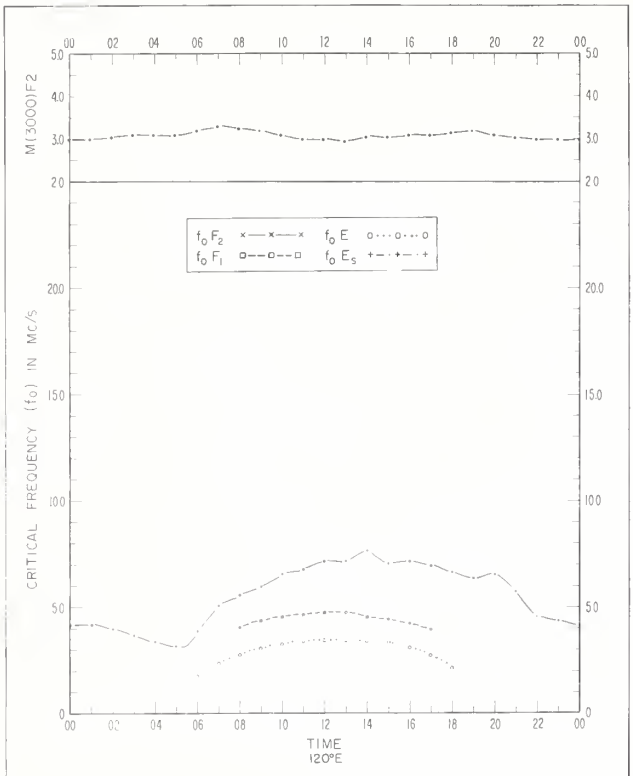

Fig. 41 MUNDARING, W. AUSTRALIA
32 0°S, 116.2°E FEBRUARY 1962

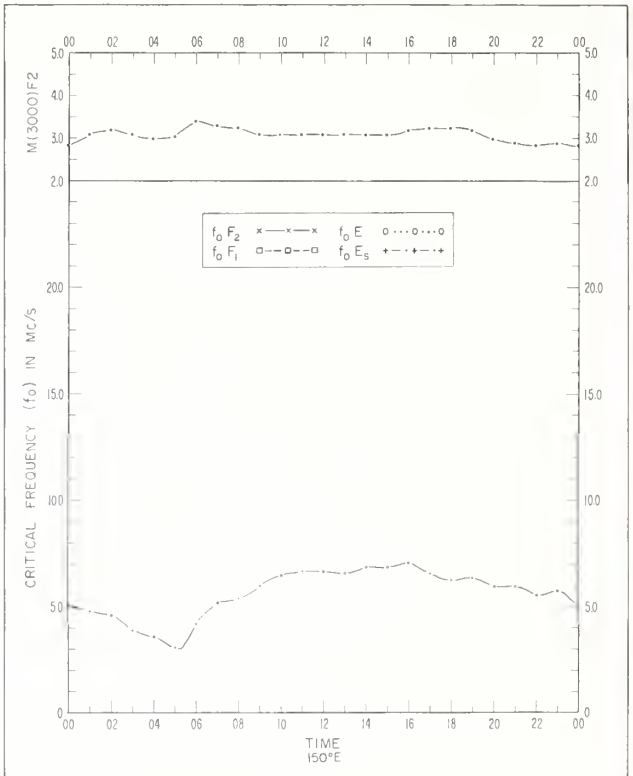

Fig 42. CANBERRA, AUSTRALIA
35.3°S, 149 0°E FEBRUARY 1962

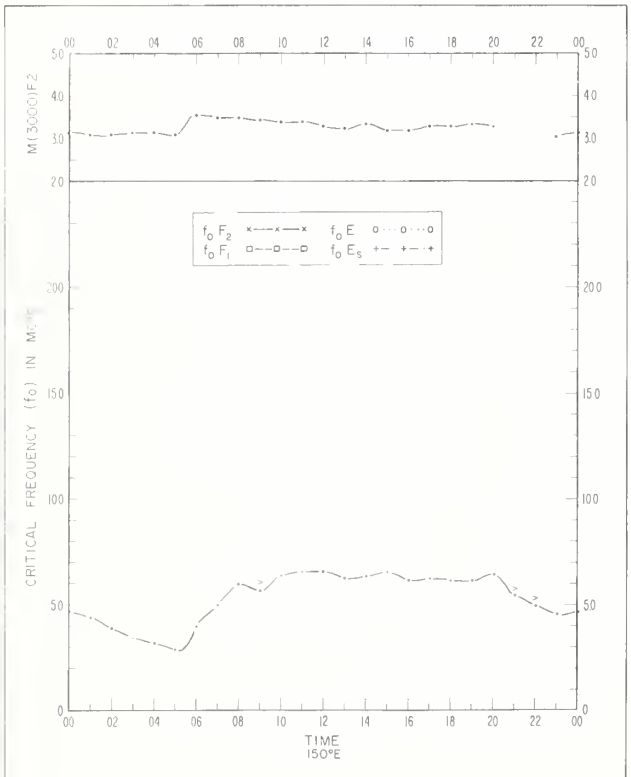

Fig 43. HOBART, TASMANIA
42 9°S, 147 2°E FEBRUARY 1962

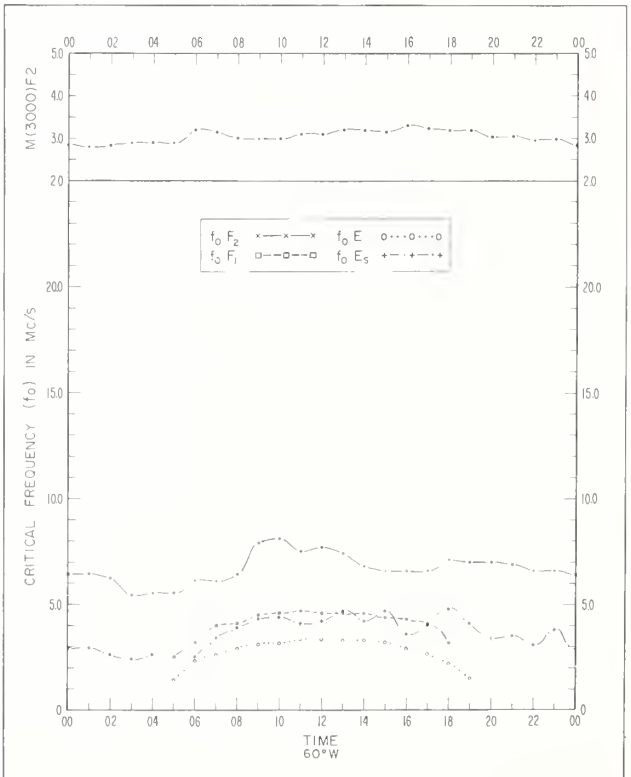

Fig 44. FALKLAND IS
51 7°S, 57 8°W FEBRUARY 1962

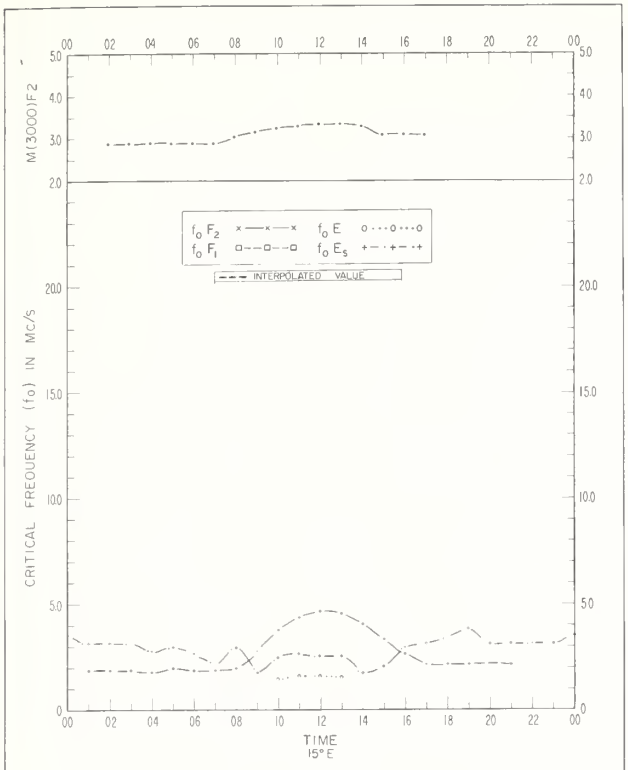

Fig. 45. TROMSO, NORWAY
69 7°N, 19 0°E
JANUARY 1962

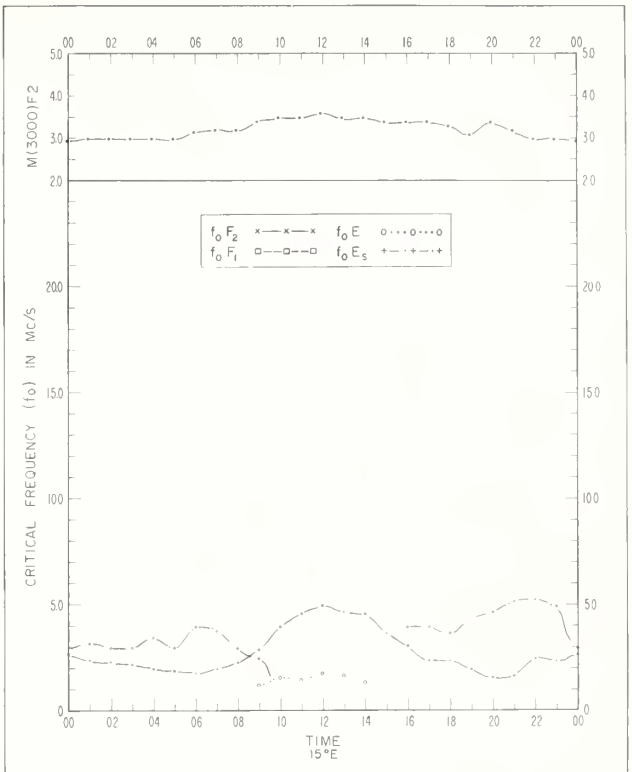

Fig. 46. KIRUNA, SWEDEN
67 8°N, 20.4°E
JANUARY 1962

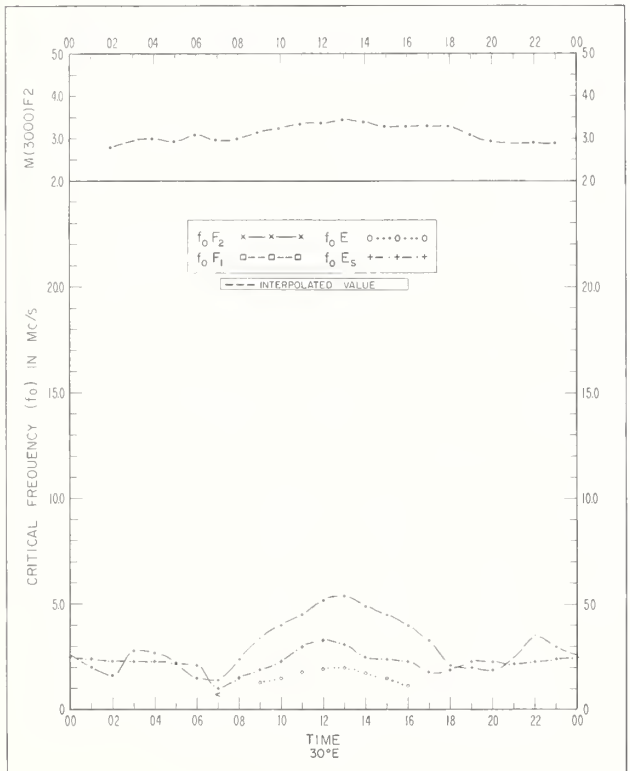

Fig. 47. SODANKYLA, FINLAND
67.4°N, 26.6°E
JANUARY 1962

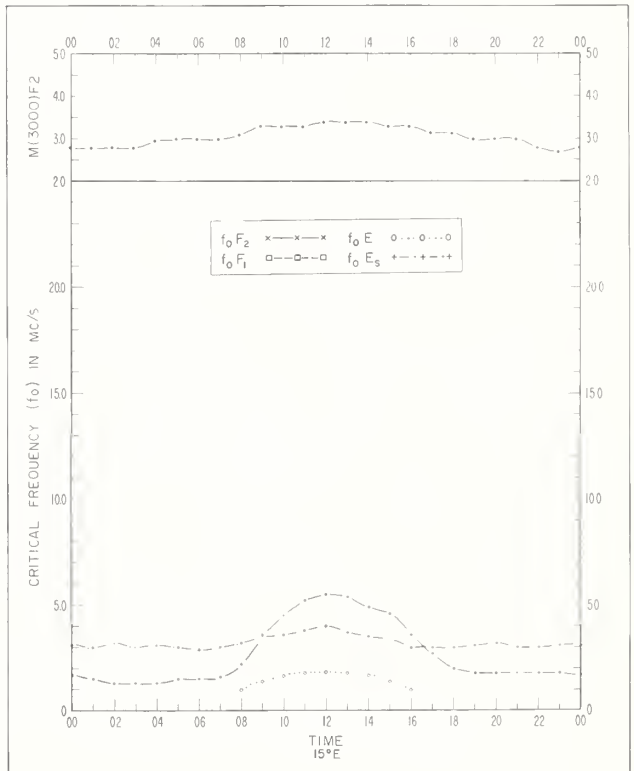

Fig 48 LYCKSELE, SWEDEN
64 7°N, 18 8°E
JANUARY 1962

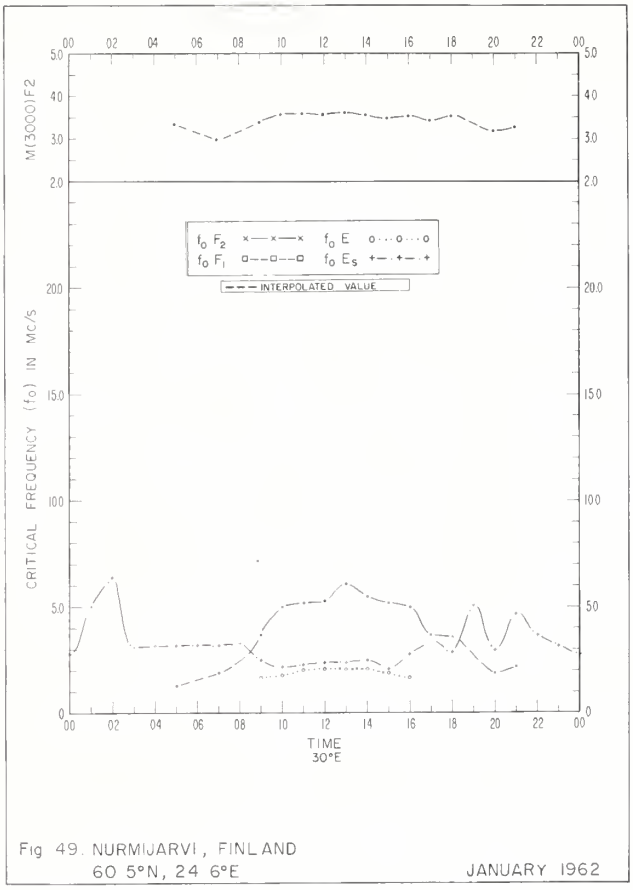

Fig 49. NURMIJARVI, FINLAND
60 5°N, 24 6°E
JANUARY 1962

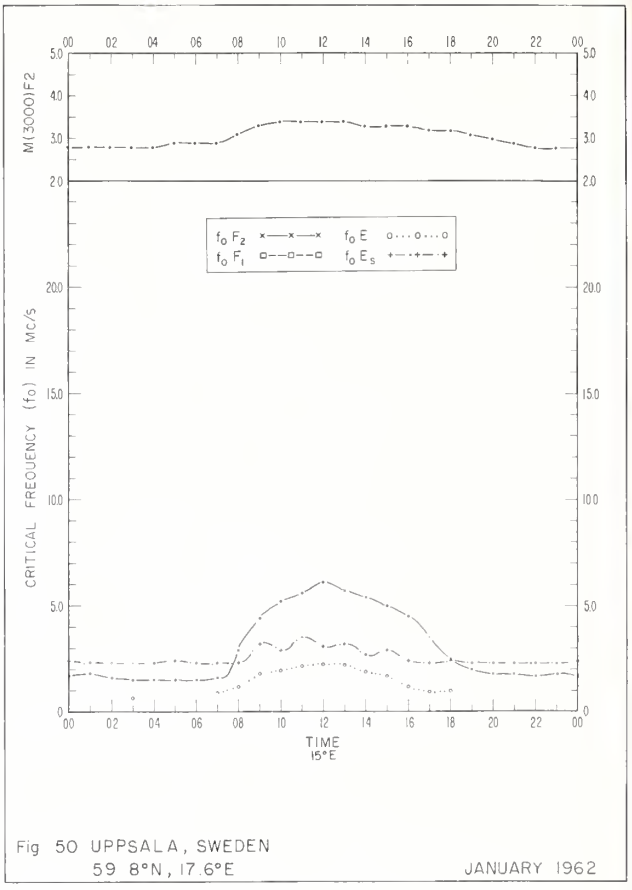

Fig 50 UPPSALA, SWEDEN
59 8°N, 17.6°E
JANUARY 1962

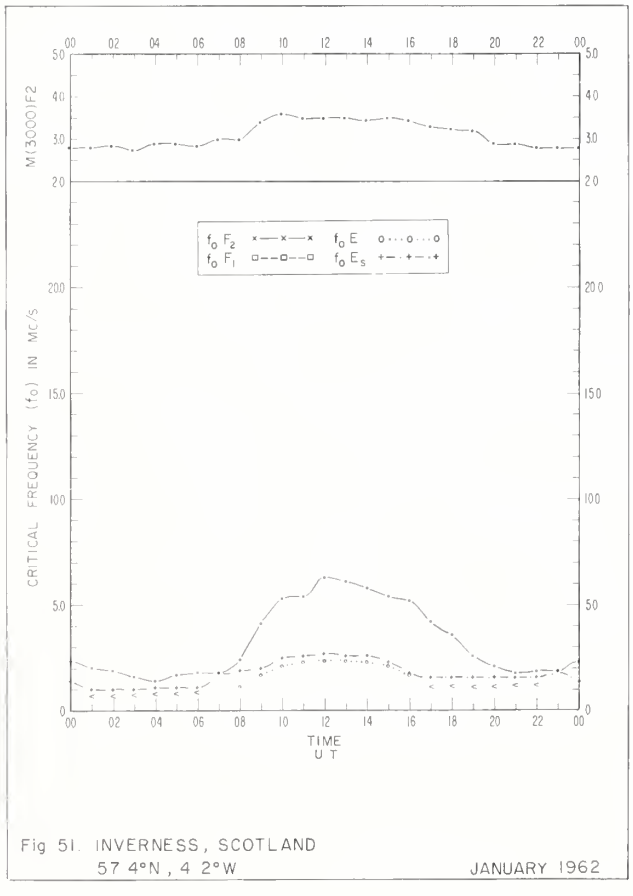

Fig 51. INVERNESS, SCOTLAND
57 4°N, 4 2°W
JANUARY 1962

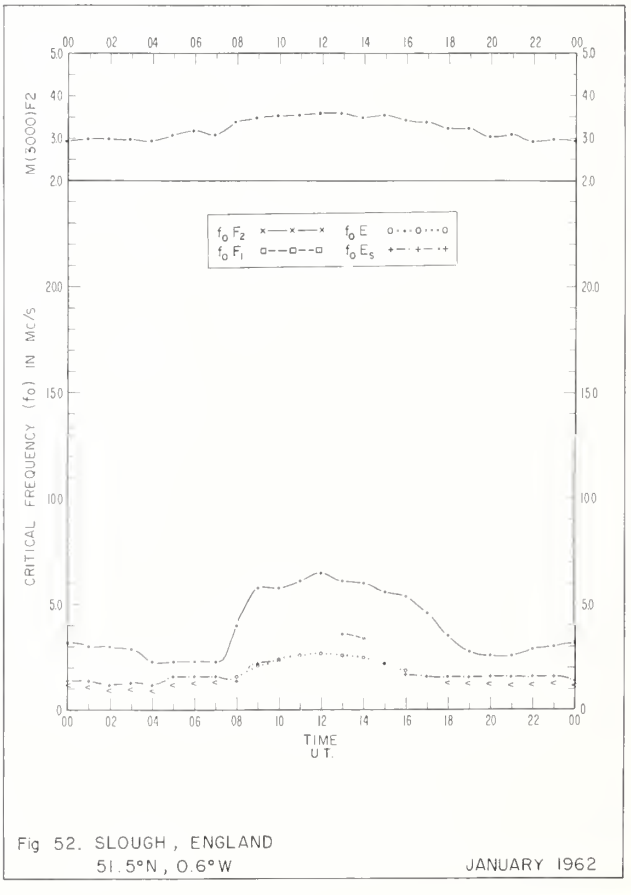

Fig 52. SLOUGH, ENGLAND
51 5°N, 0.6°W
JANUARY 1962

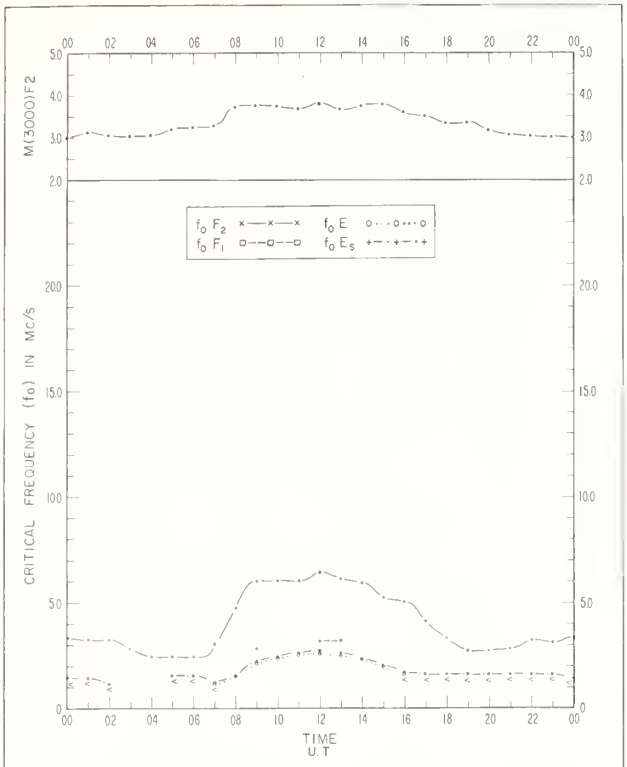

Fig. 53 DOURBES, BELGIUM
50 1°N, 4 6°E
JANUARY 1962

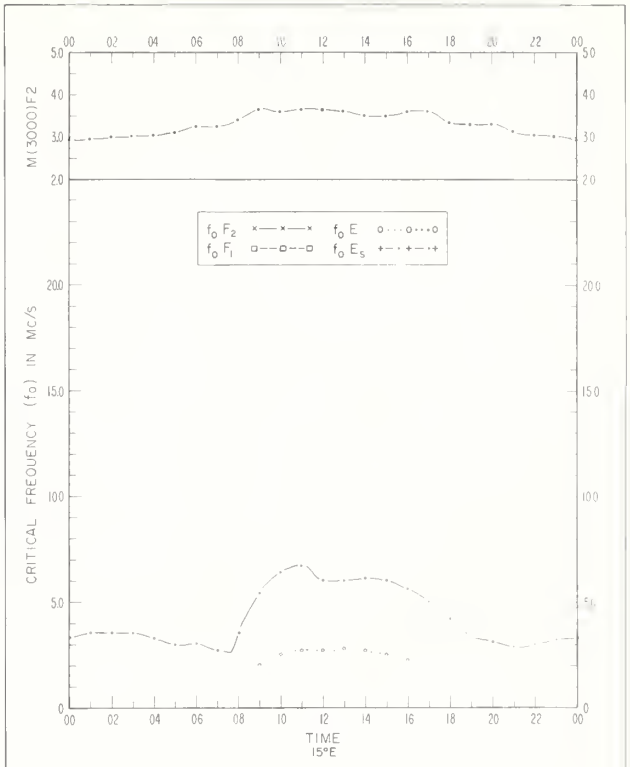

Fig 54 SOTTENS, SWITZERLAND
46 6°N, 6 7°E
JANUARY 1962

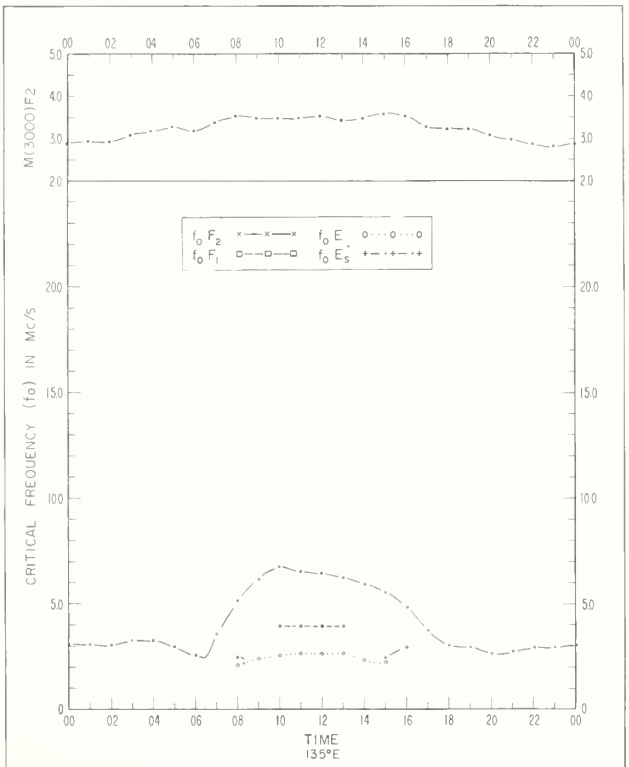

Fig 55. WAKKANAI, JAPAN
45.4°N, 141.7°E
JANUARY 1962

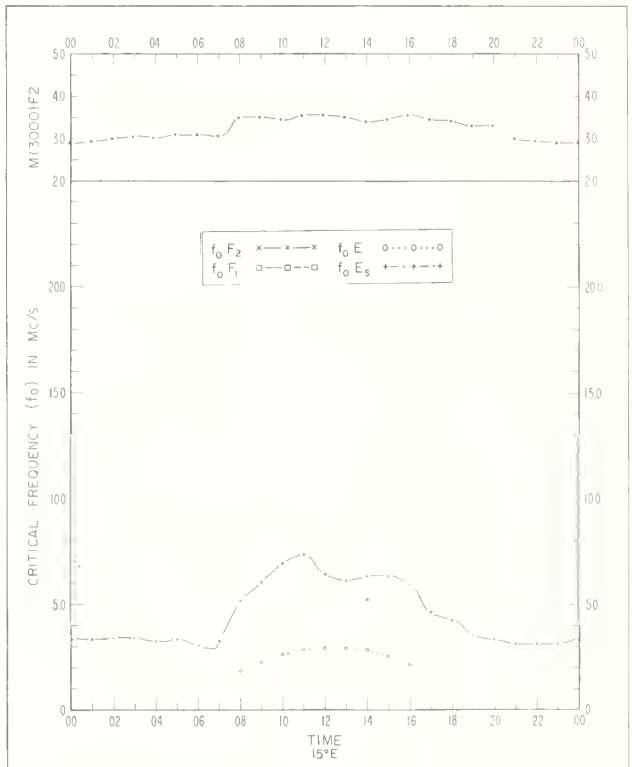

Fig 56. ROME, ITALY
41 8°N, 12 5°E
JANUARY 1962

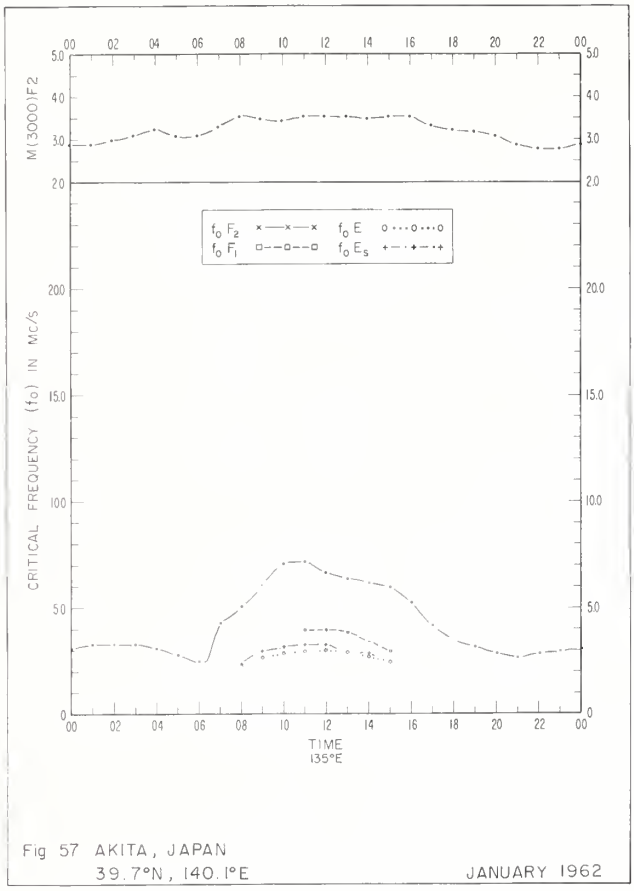

Fig 57 AKITA, JAPAN
39.7°N, 140.1°E
JANUARY 1962

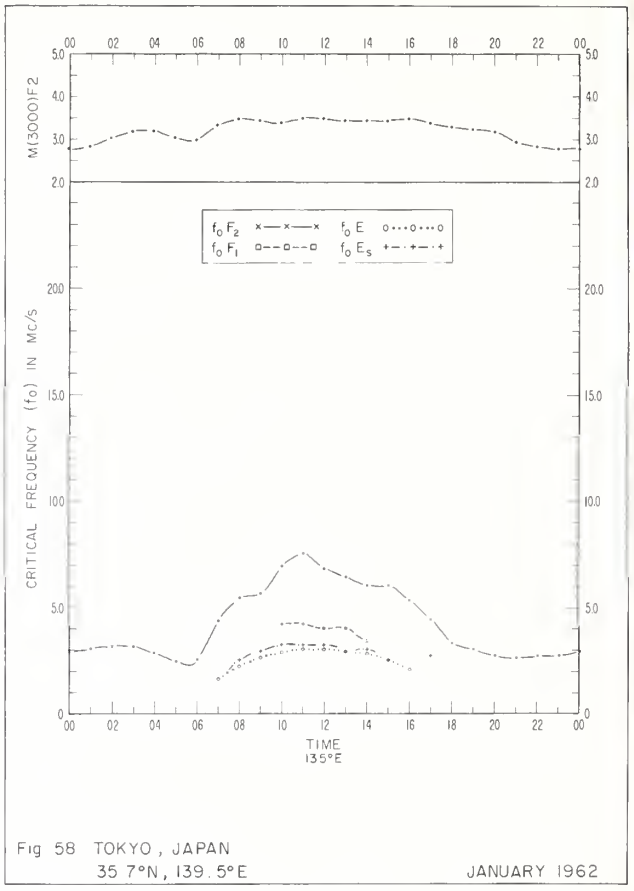

Fig 58 TOKYO, JAPAN
35.7°N, 139.5°E
JANUARY 1962

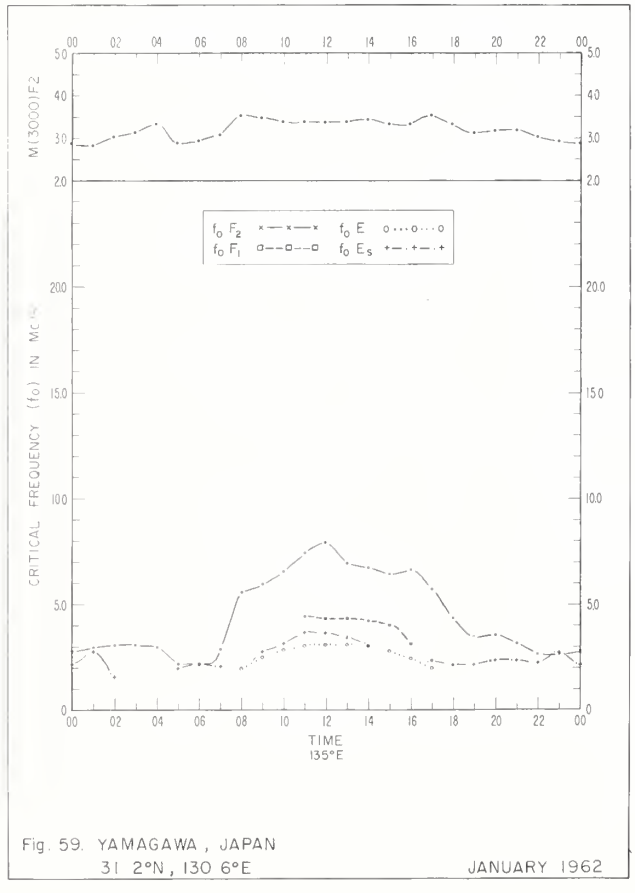

Fig. 59. YAMAGAWA, JAPAN
31.2°N, 130.6°E
JANUARY 1962

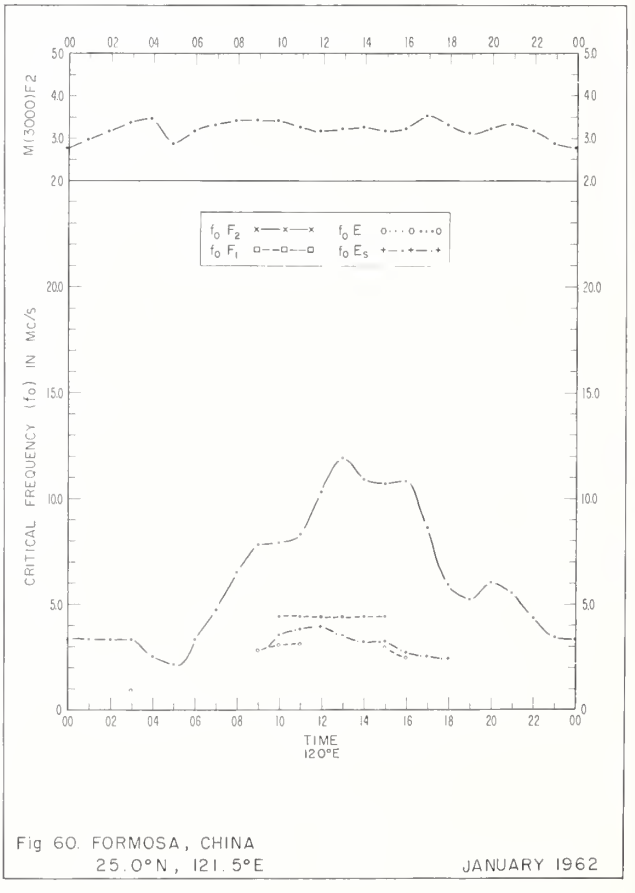

Fig 60. FORMOSA, CHINA
25.0°N, 121.5°E
JANUARY 1962

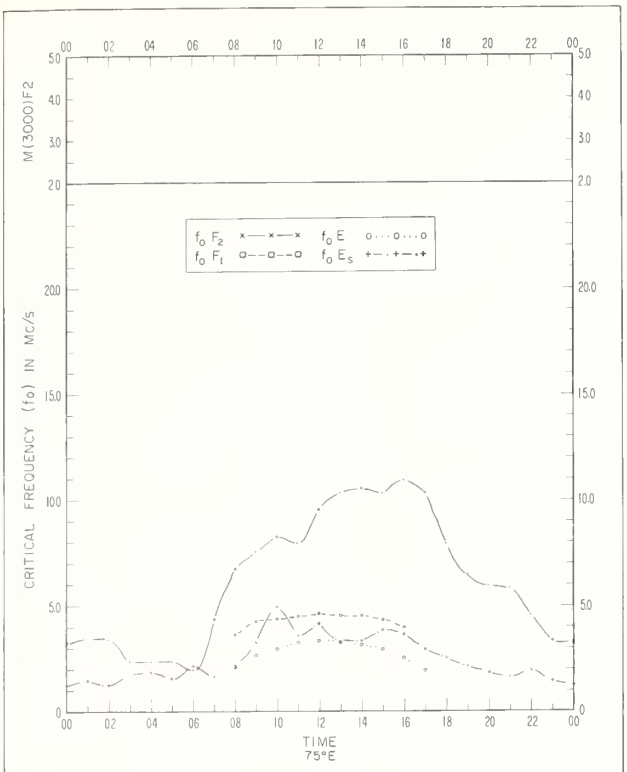

Fig. 61. AHMEDABAD, INDIA
23.0°N, 72.6°E
JANUARY 1962

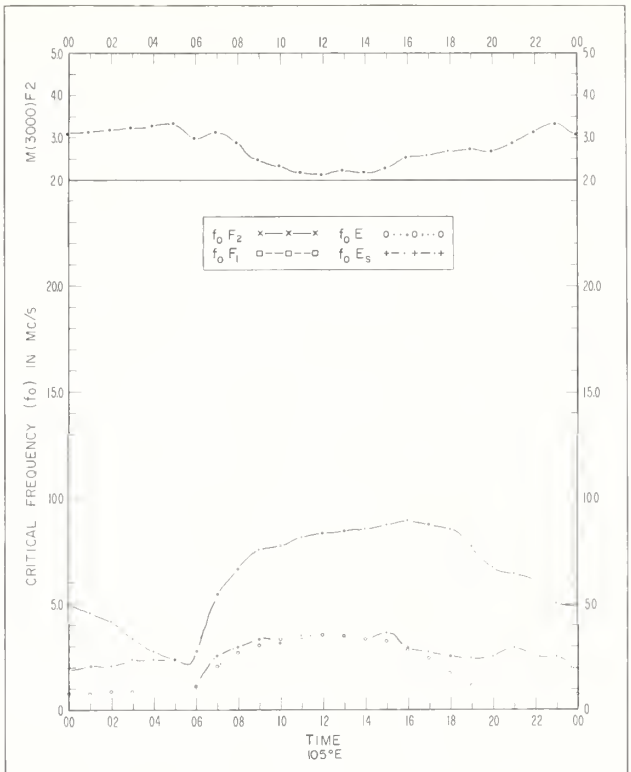

Fig 62. SINGAPORE, BRITISH MALAYA
1.3°N, 103.8°E
JANUARY 1962

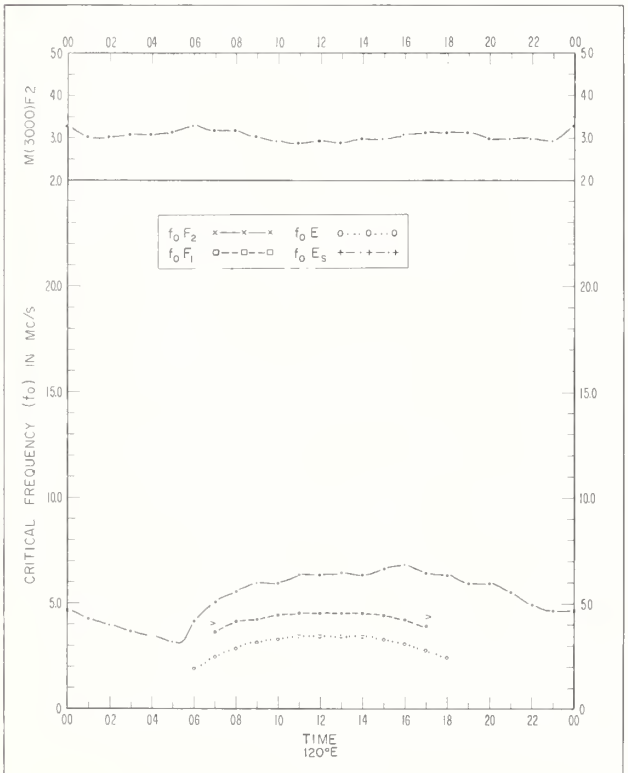

Fig. 63 MUNDARING, W AUSTRALIA
32.0°S, 116.2°E
JANUARY 1962

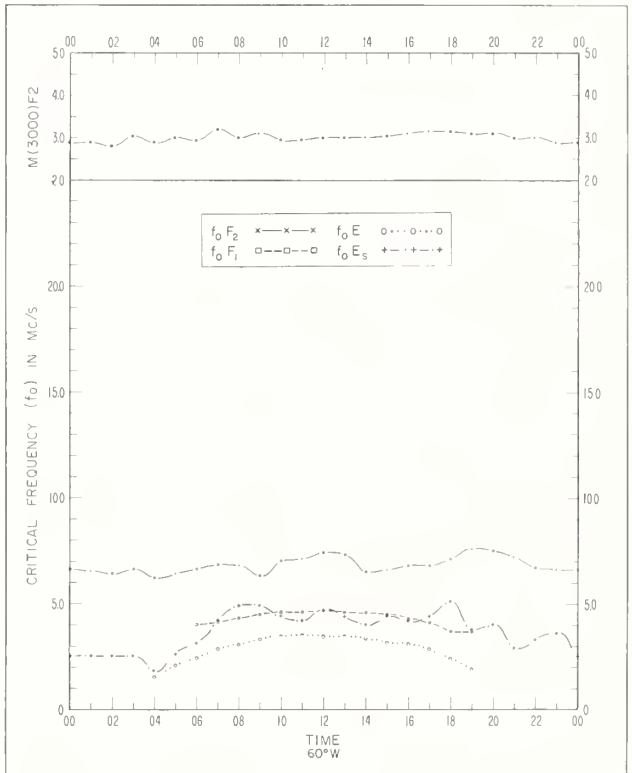

Fig. 64. FALKLAND IS.
51.7°S, 57.8°W
JANUARY 1962

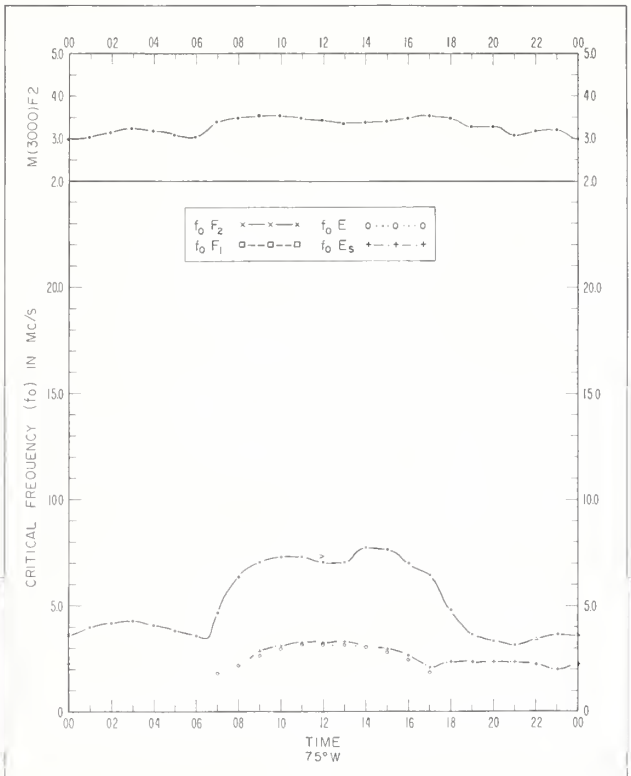

Fig 65 GRAND BAHAMA I
26 6°N, 78 2°W
DECEMBER 1961

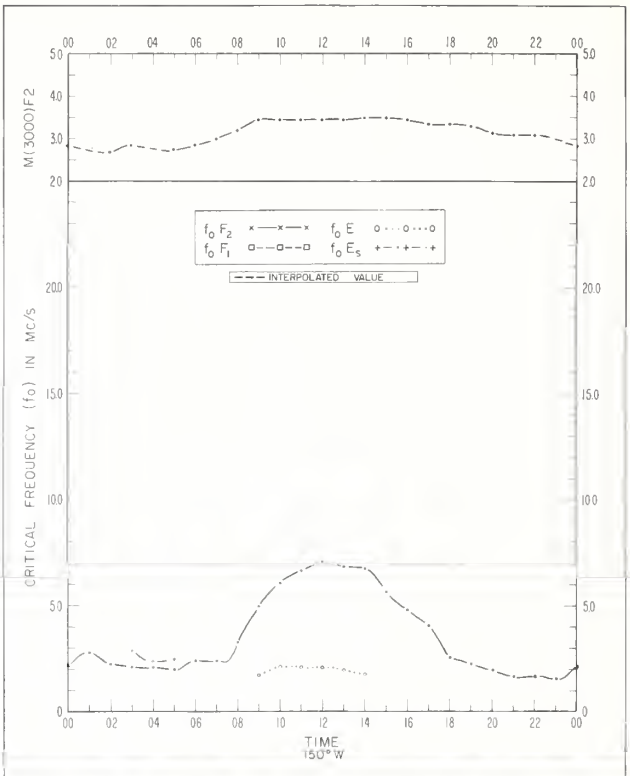

Fig 66 ANCHORAGE, ALASKA
61 2°N, 149 9°W
NOVEMBER 1961

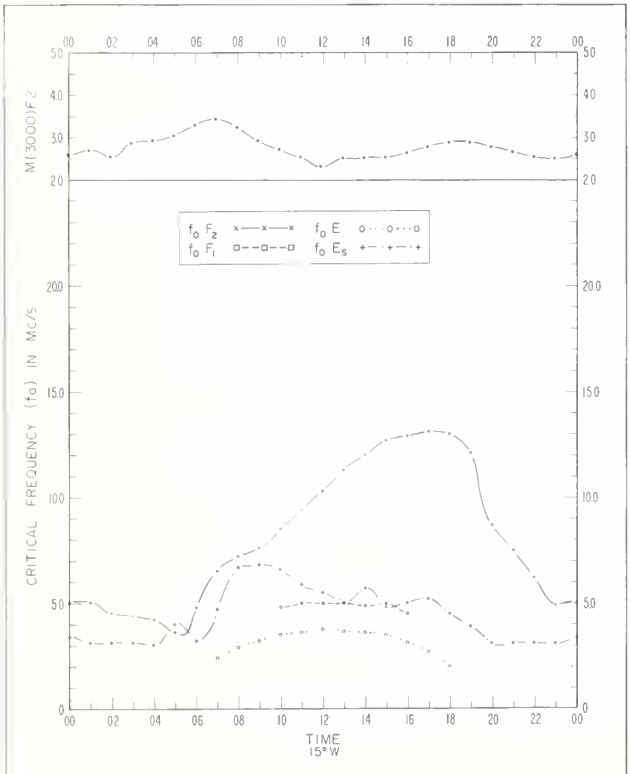

Fig 67 DAKAR, FRENCH W AFRICA
14 8°N, 17 4°W
AUGUST 1961

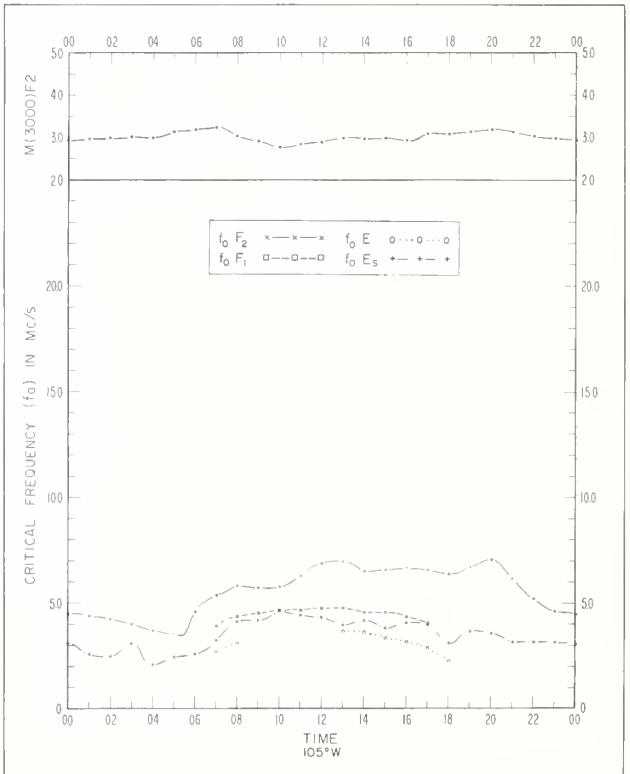

Fig 68 WHITE SANDS, NEW MEXICO
32 3°N, 106 5°W
JULY 1961

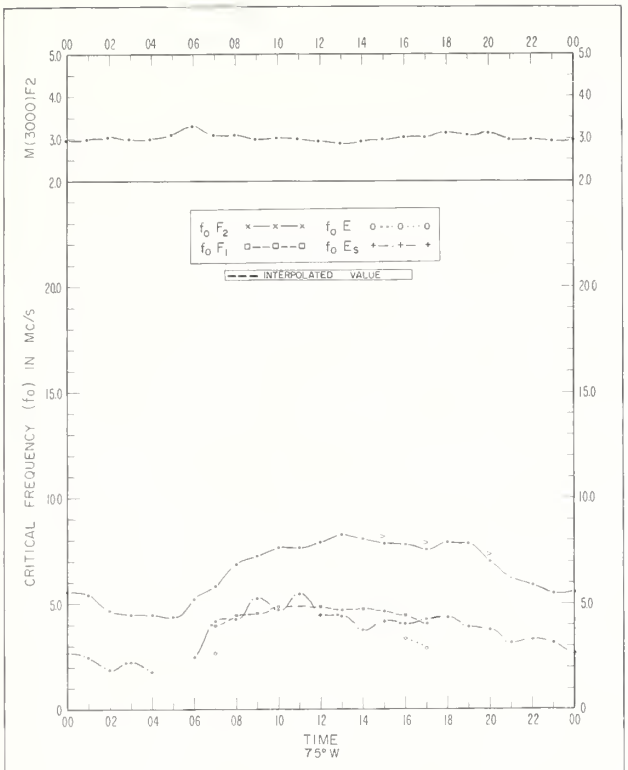

Fig 69 GRAND BAHAMA I.
26.6°N, 78.2°W
JUNE 1961

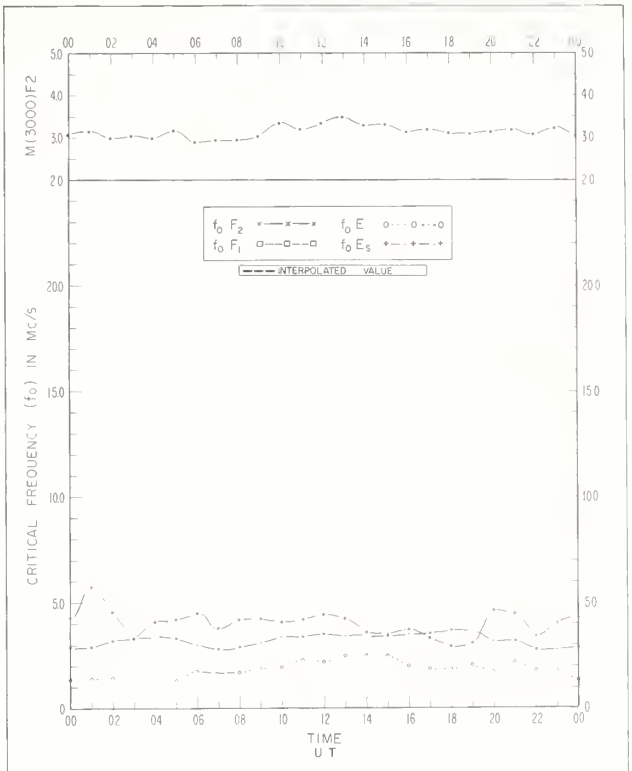

Fig 70 POLE STATION
90 0°S
JUNE 1961

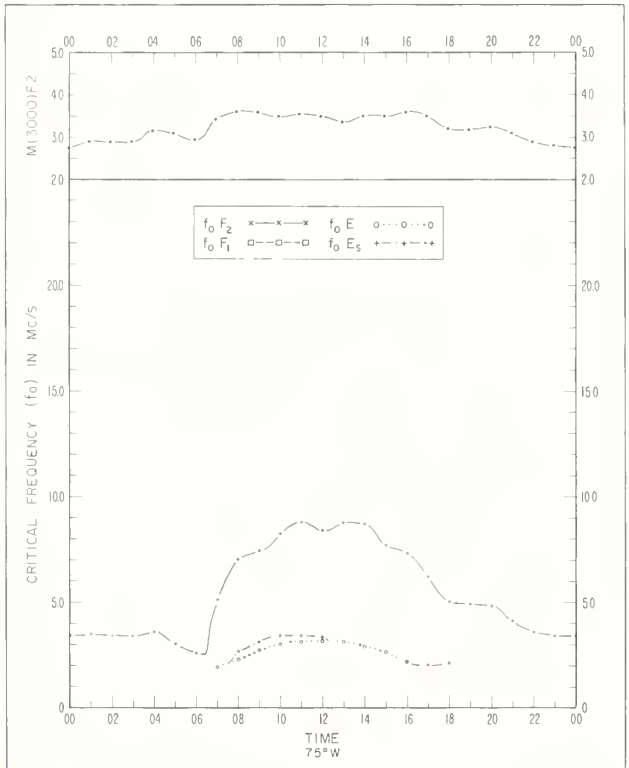

Fig. 71. CONCEPCION, CHILE
36.6°S, 73.0°W
MAY 1961

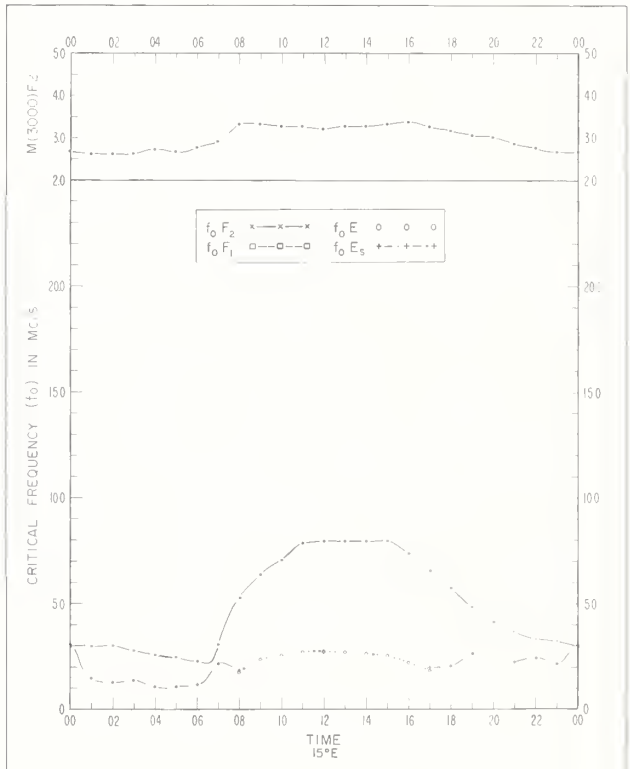

Fig. 72 JULIUSRUH/RUGEN, GERMANY
54.6°N, 13.4°E
FEBRUARY 1961

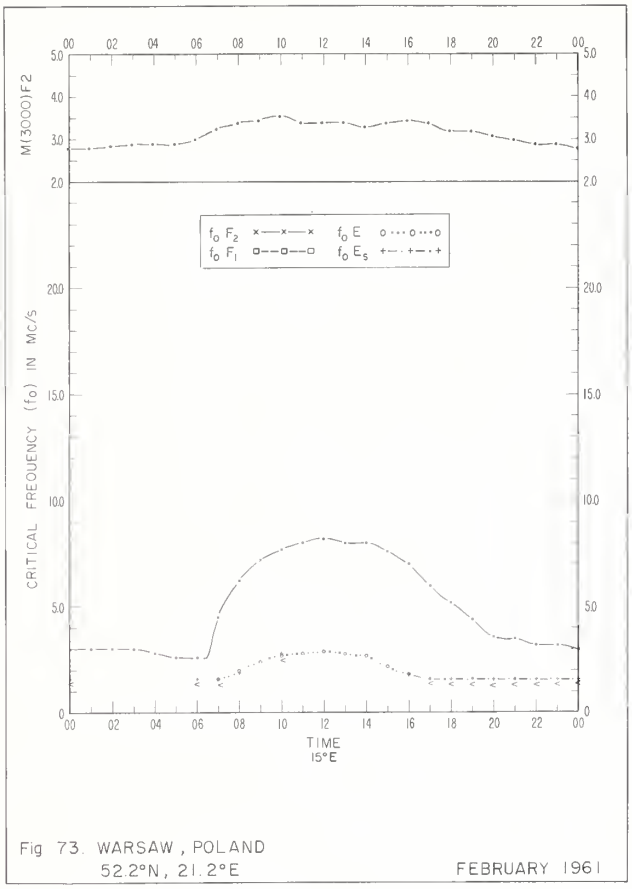

Fig. 73. WARSAW, POLAND
52.2°N, 21.2°E
FEBRUARY 1961

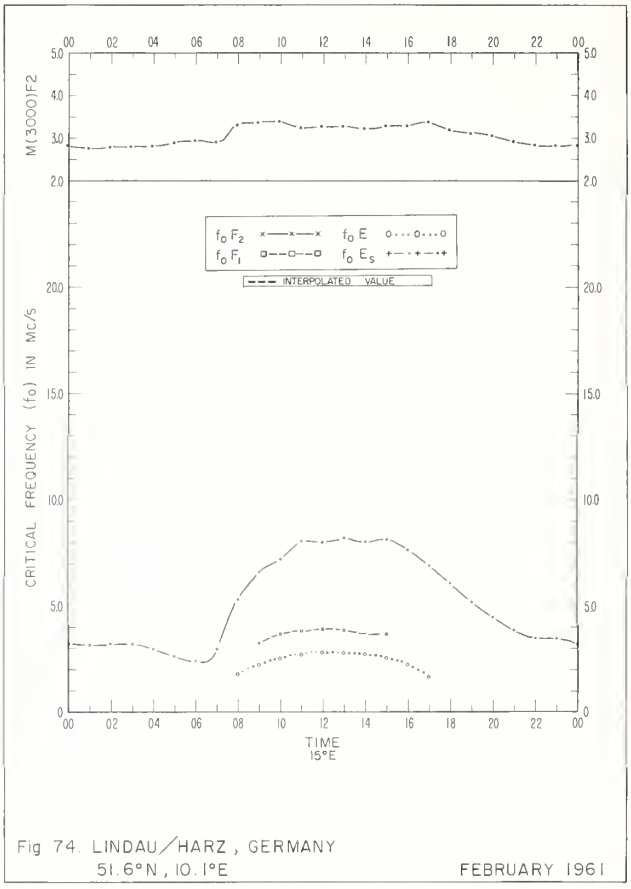

Fig. 74. LINDAU/HARZ, GERMANY
51.6°N, 10.1°E
FEBRUARY 1961

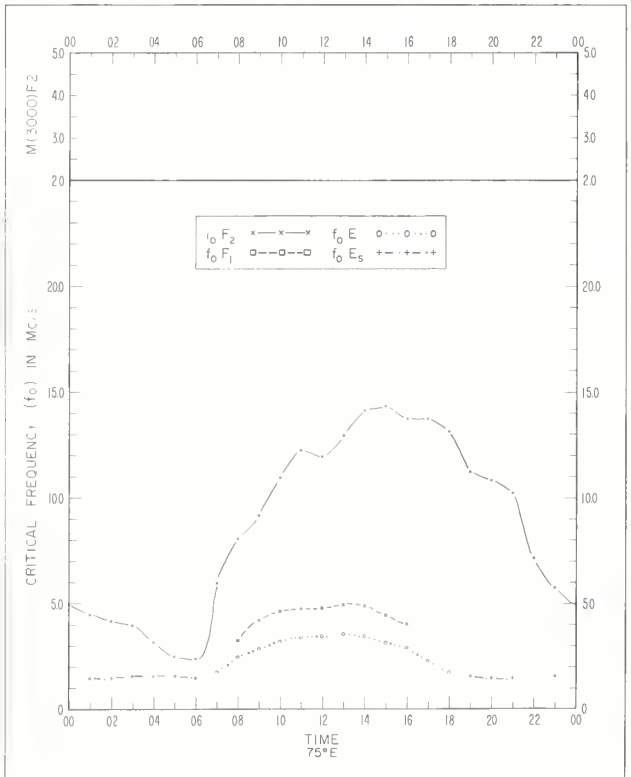

Fig. 75. AHMEDABAD, INDIA
23.0°N, 72.6°E
FEBRUARY 1961

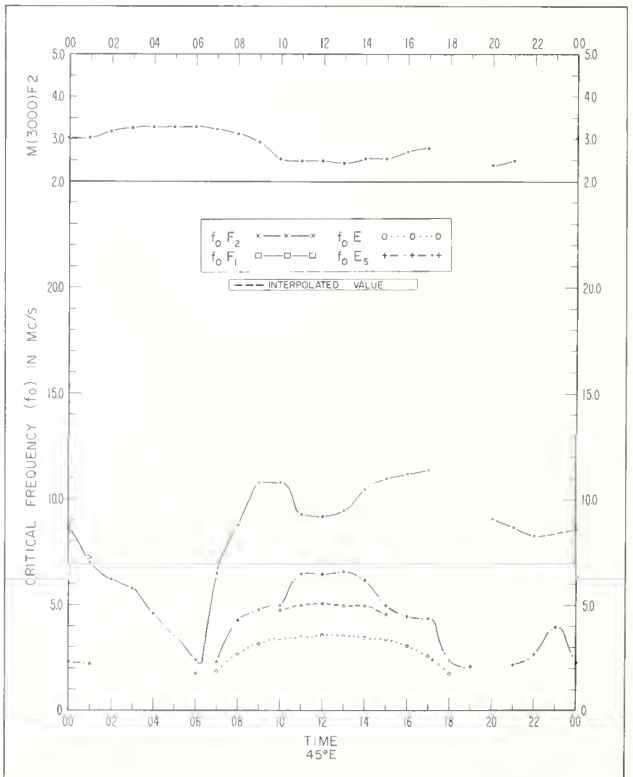

Fig. 76. DJIBOUTI, FRENCH SOMALILAND
11.6°N, 43.2°E
FEBRUARY 1961

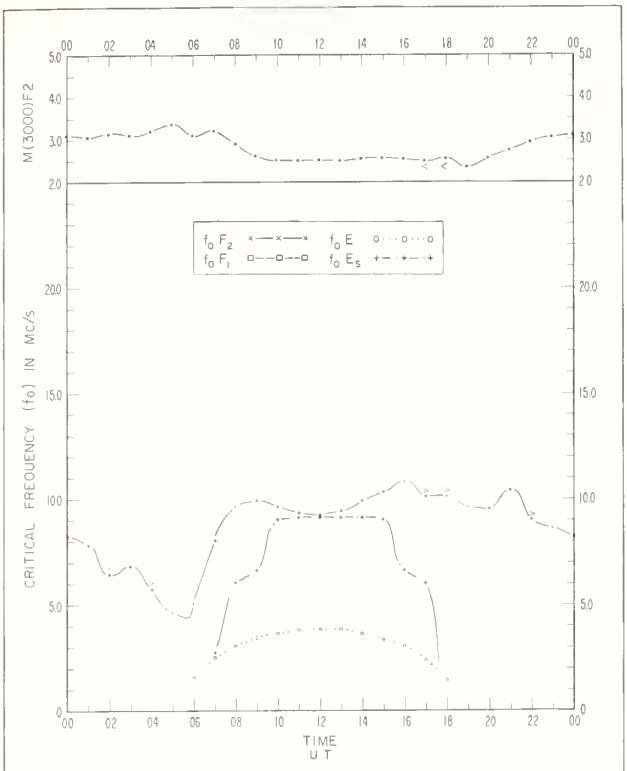

Fig 77. IBADAN, NIGERIA
7.4°N, 3.9°E
FEBRUARY 1961

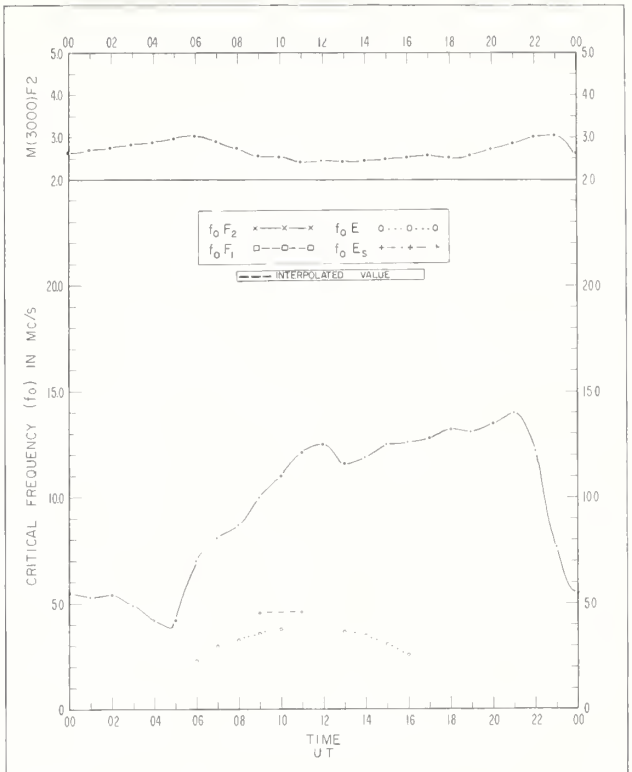

Fig 78. LEOPOLDVILLE, CONGO
4.4°S, 15.2°E
FEBRUARY 1961

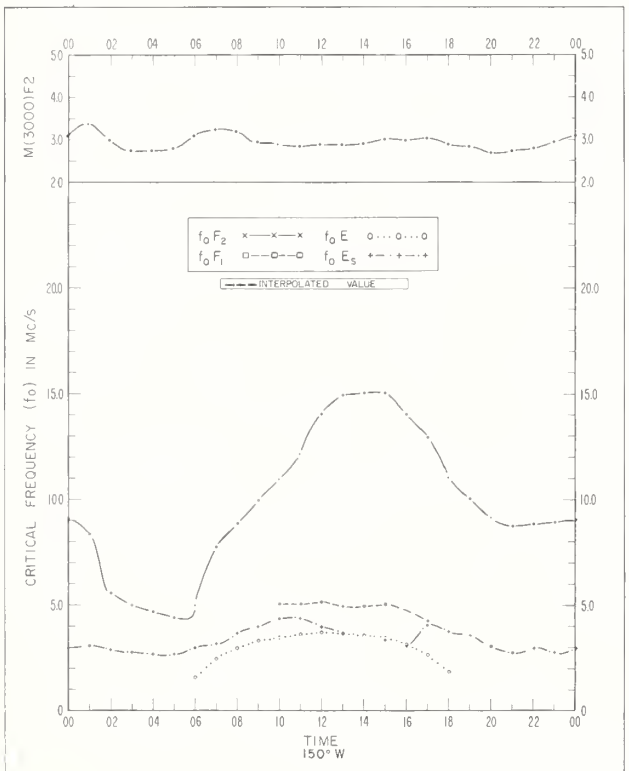

Fig. 79. TAHITI, SOCIETY IS.
17.7°S, 149.3° W
FEBRUARY 1961

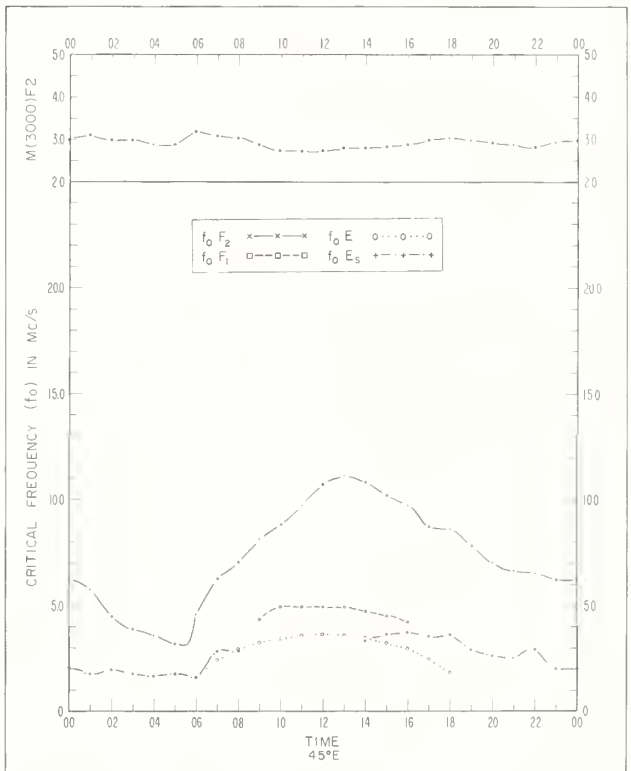

Fig. 80 TANANARIVE, MADAGASCAR
18.8°S, 47.5°E
FEBRUARY 1961

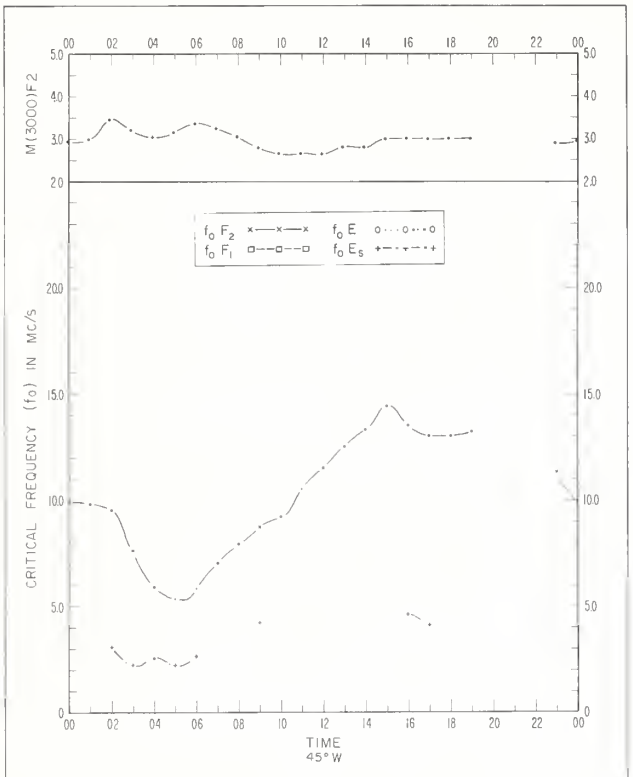

Fig 81. SAO PAULO, BRAZIL
23.5°S, 46.5°W
FEBRUARY 1961

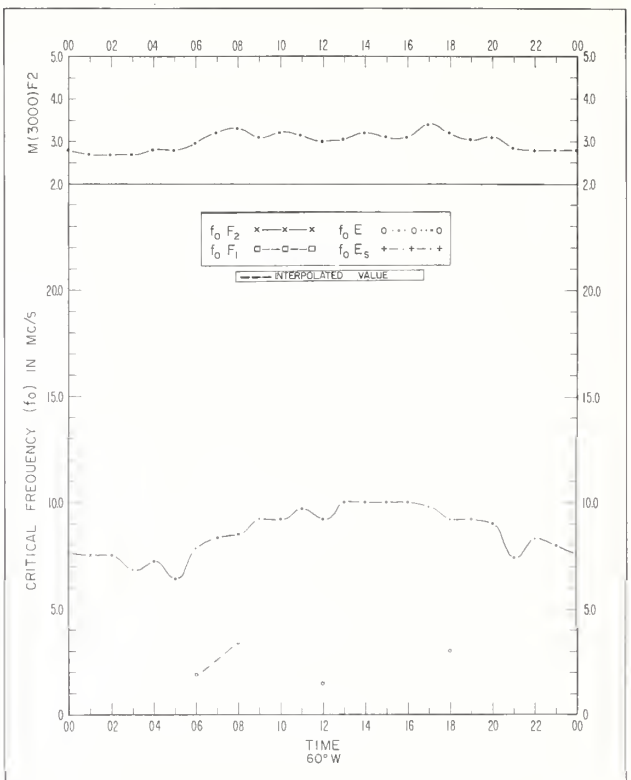

Fig. 82. TRELEW, ARGENTINA
43 2°S, 65.3°W
FEBRUARY 1961

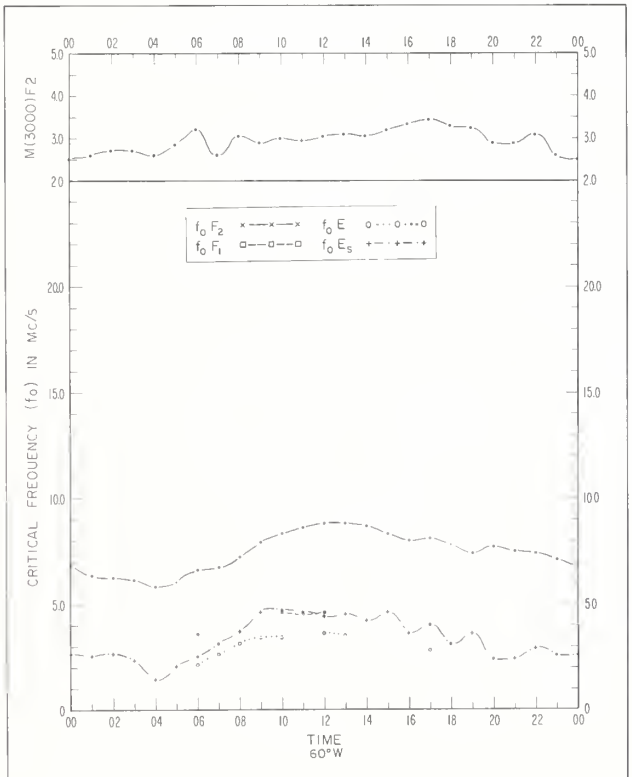

Fig 83. FALKLAND IS.
51 7°S, 57.8°W
FEBRUARY 1961

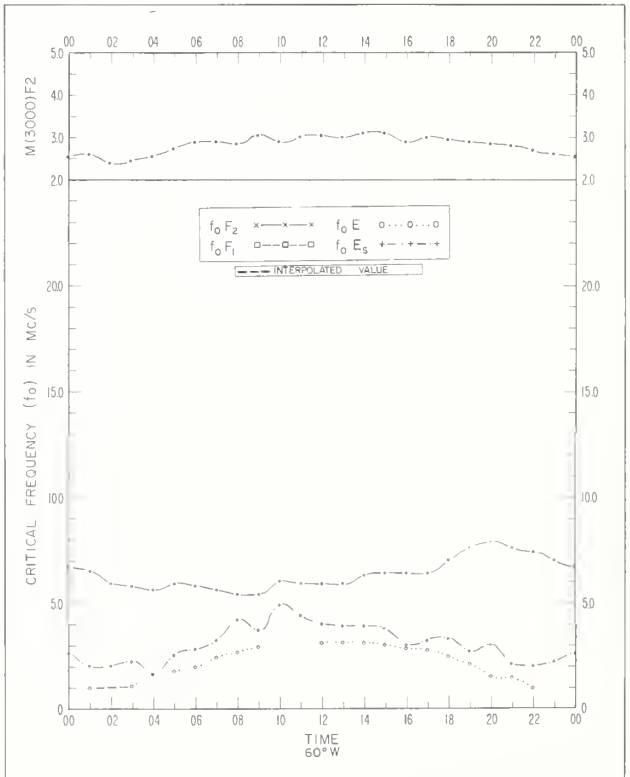

Fig 84. PORT LOCKROY
64 8°S, 63.5°W
FEBRUARY 1961

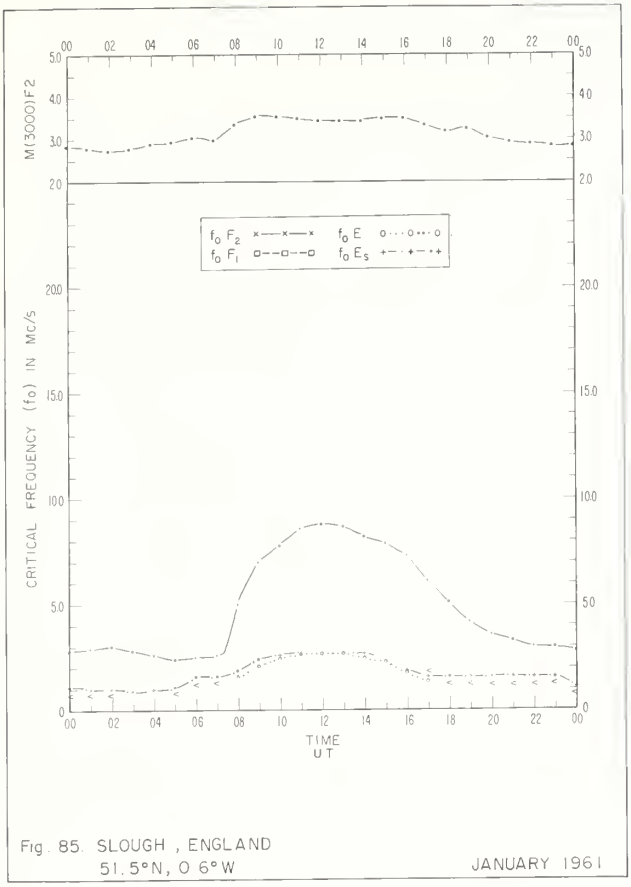

Fig. 85 SLOUGH, ENGLAND
51.5°N, 0.6°W
JANUARY 1961

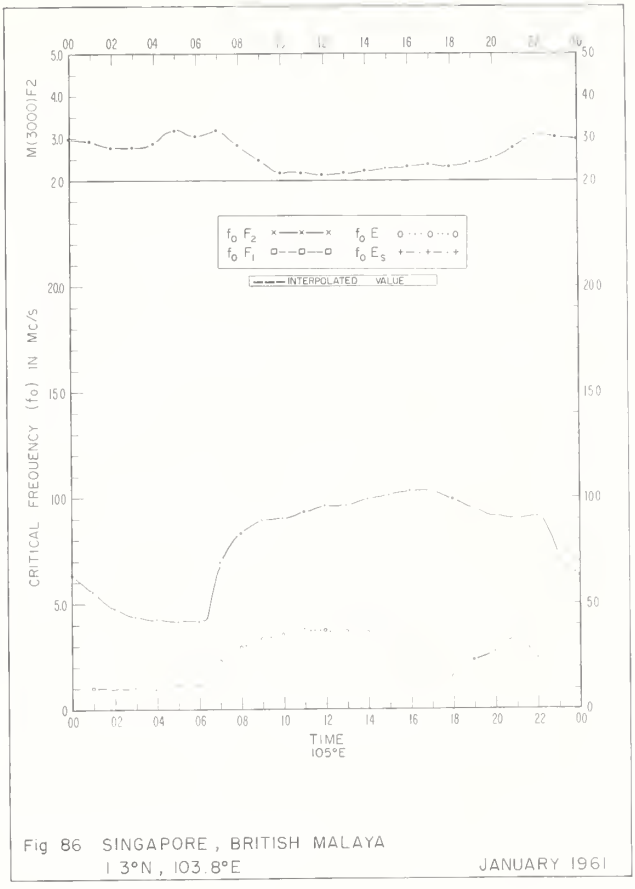

Fig. 86 SINGAPORE, BRITISH MALAYA
1.3°N, 103.8°E
JANUARY 1961

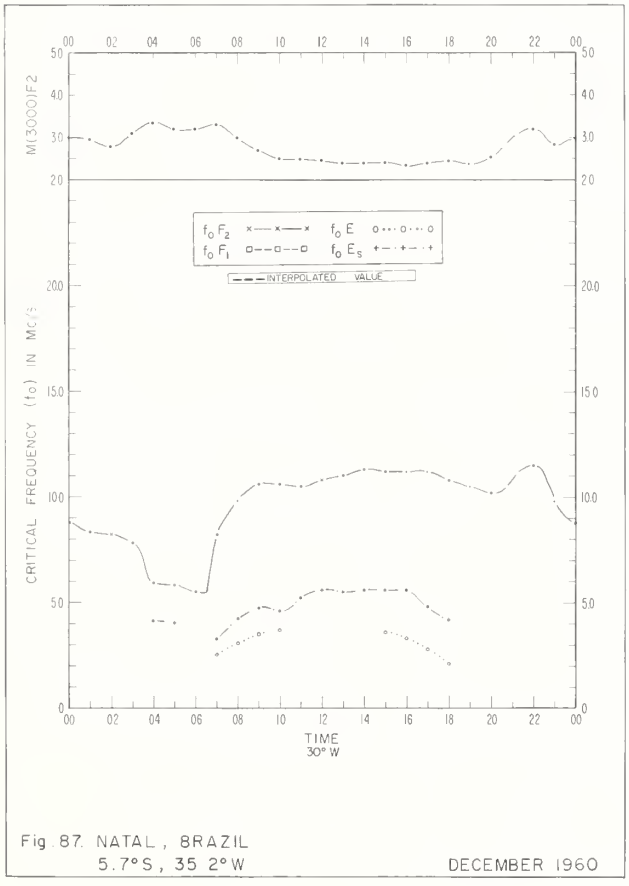

Fig. 87 NATAL, BRAZIL
5.7°S, 35.2°W
DECEMBER 1960

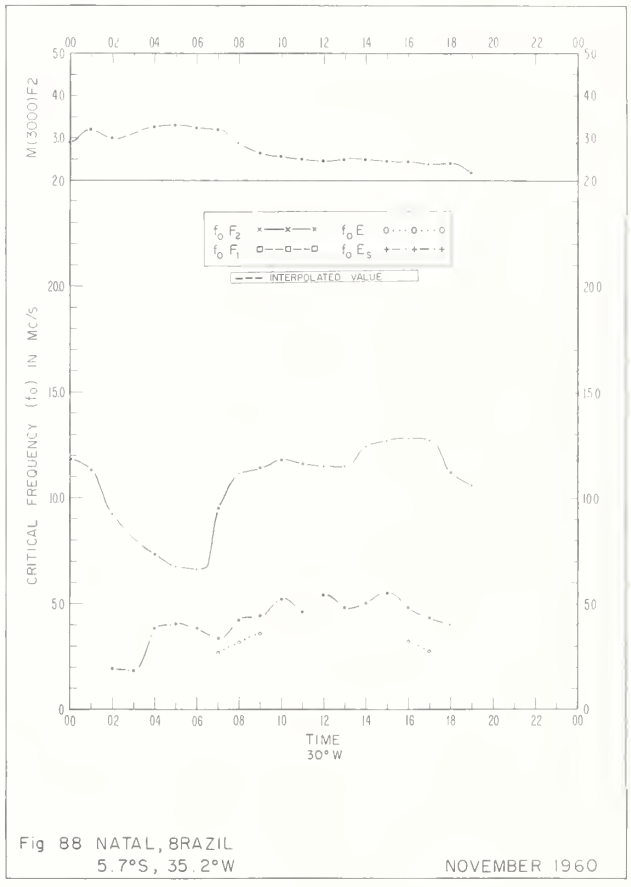

Fig. 88 NATAL, BRAZIL
5.7°S, 35.2°W
NOVEMBER 1960

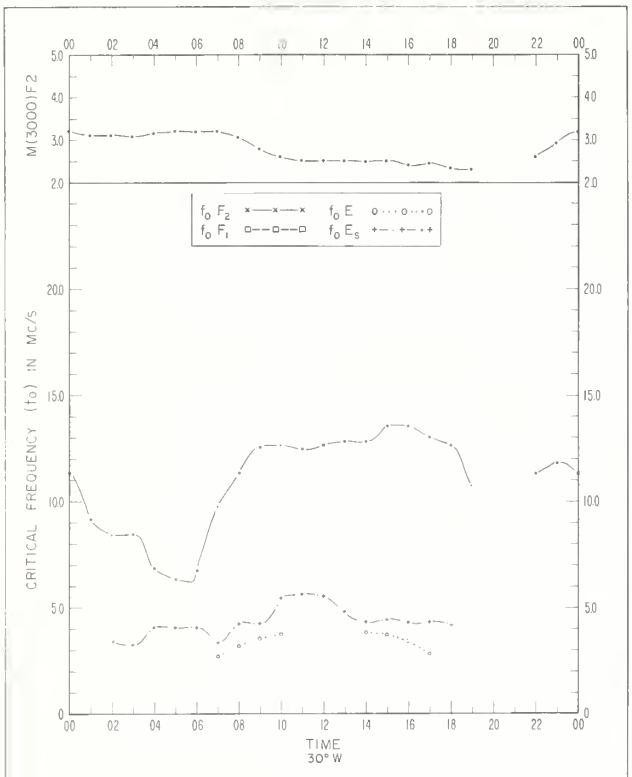

Fig 89 NATAL, BRAZIL
5 7°S, 35 2°W
OCTOBER 1960

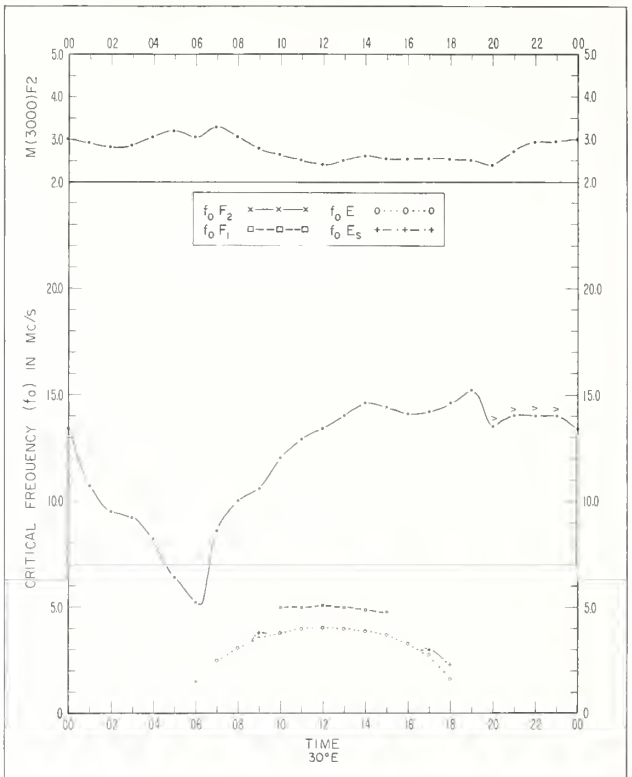

Fig 90. LWIRO, CONGO
2.3°S, 28.8°E
MARCH 1960

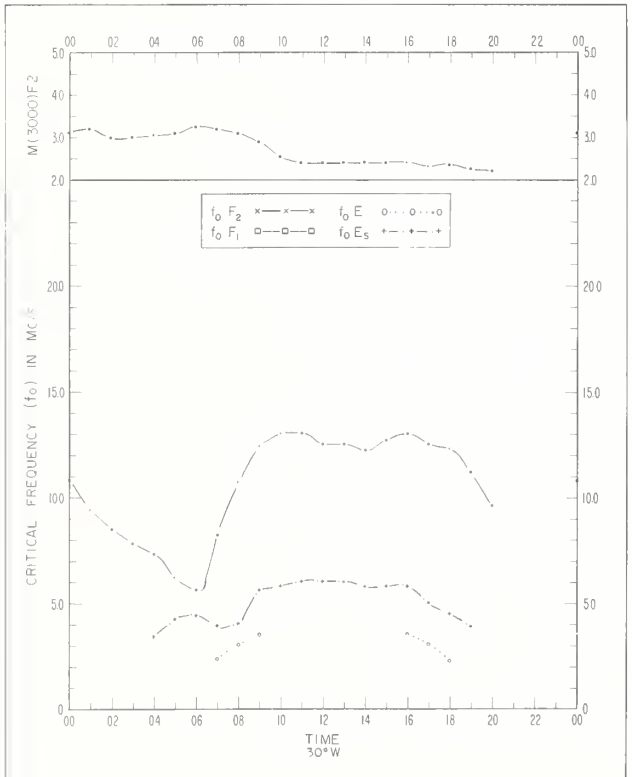

Fig 91 NATAL, BRAZIL
5 7°S, 35 2°W
MARCH 1960

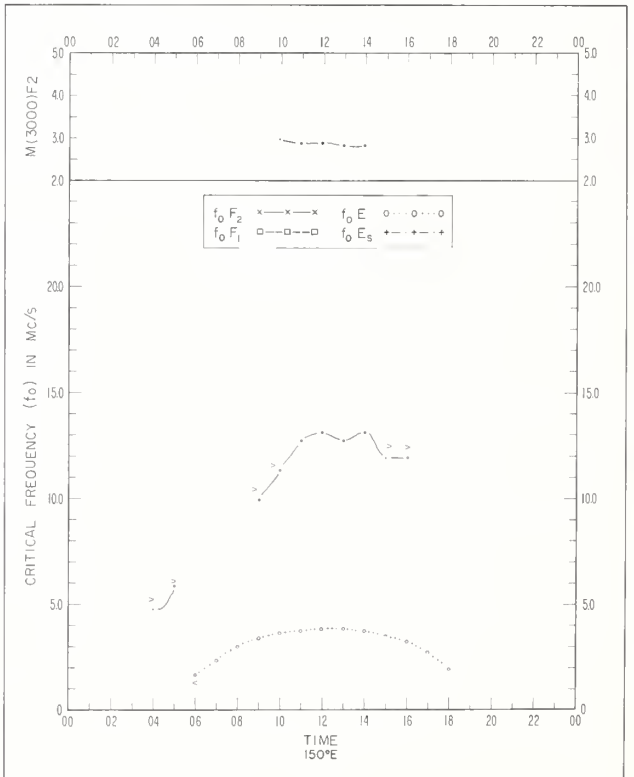

Fig 92 TOWNSVILLE, AUSTRALIA
19.3°S, 146.7°E
MARCH 1960

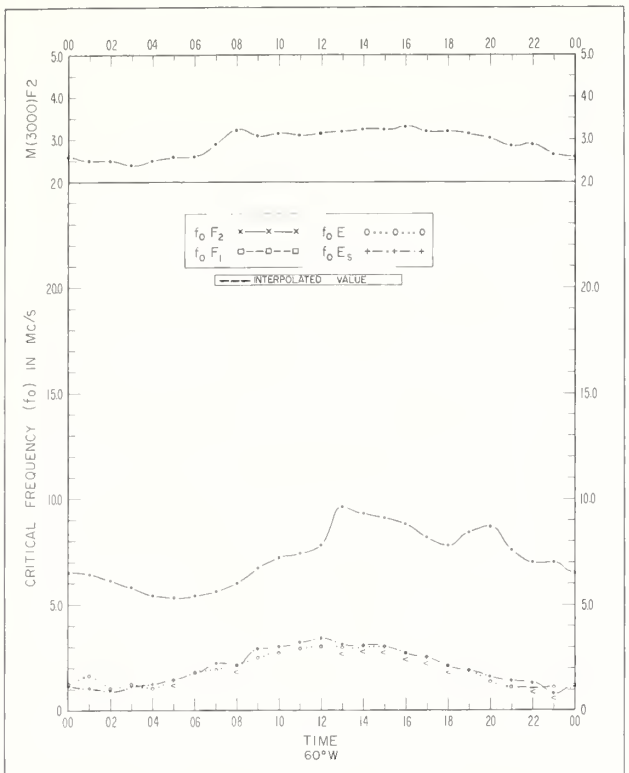

Fig. 93 PORT LOCKROY
64.8°S, 63.5°W
MARCH 1960

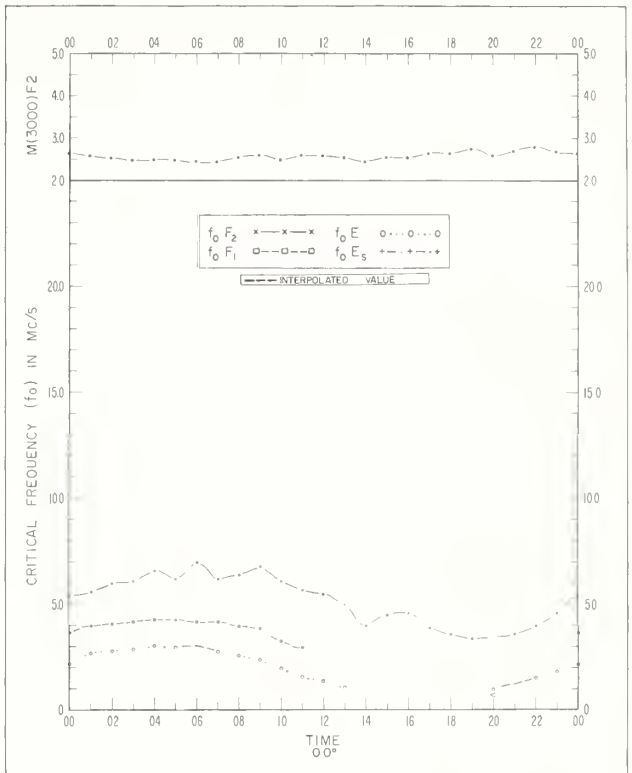

Fig 94 WILKES STATION
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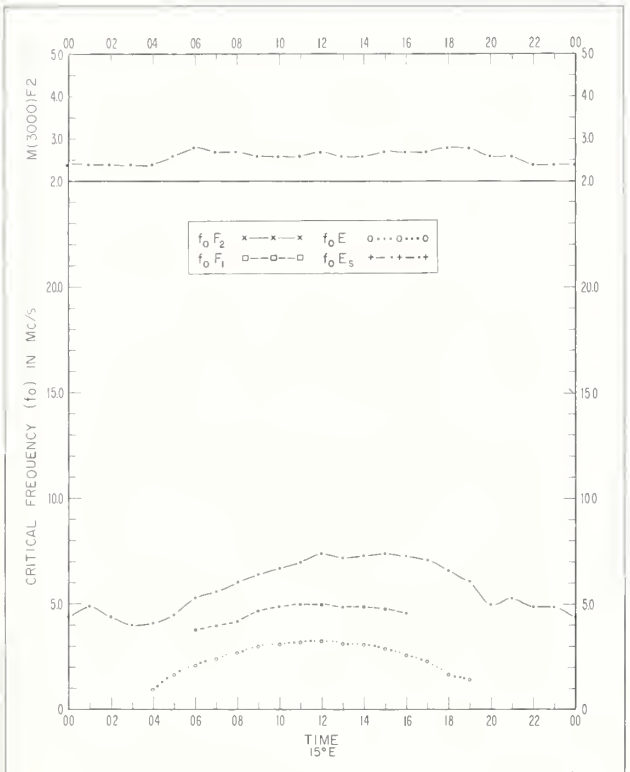

Fig. 95. LYCKSELE, SWEDEN
64.6°N, 18.8°E
SEPTEMBER 1959

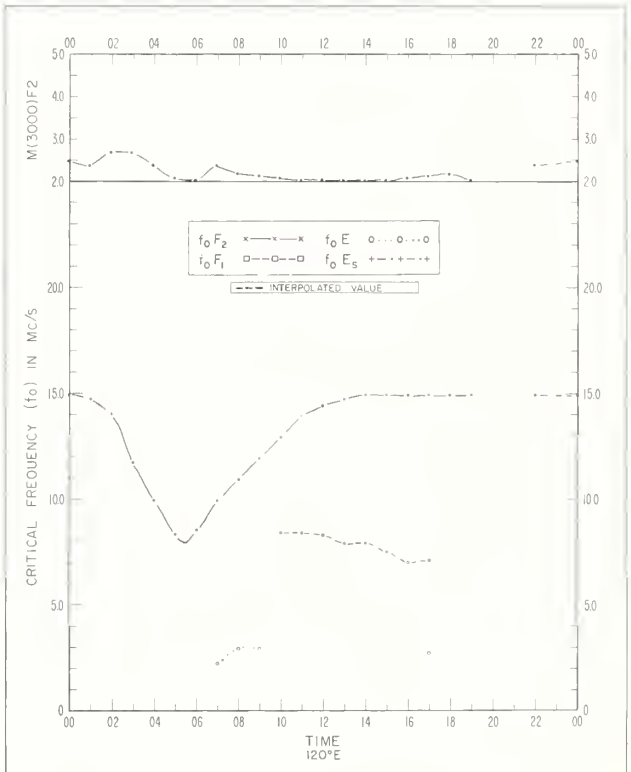

Fig. 96 MACAU
22.2°N, 113.6°E
SEPTEMBER 1959

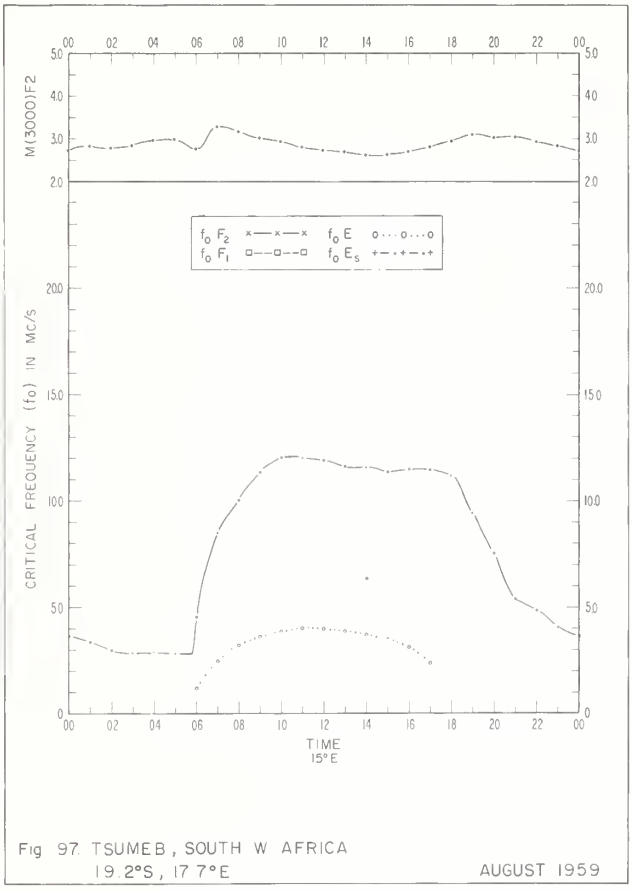

Fig 97. TSUMEB, SOUTH W AFRICA
19.2°S, 17.7°E
AUGUST 1959

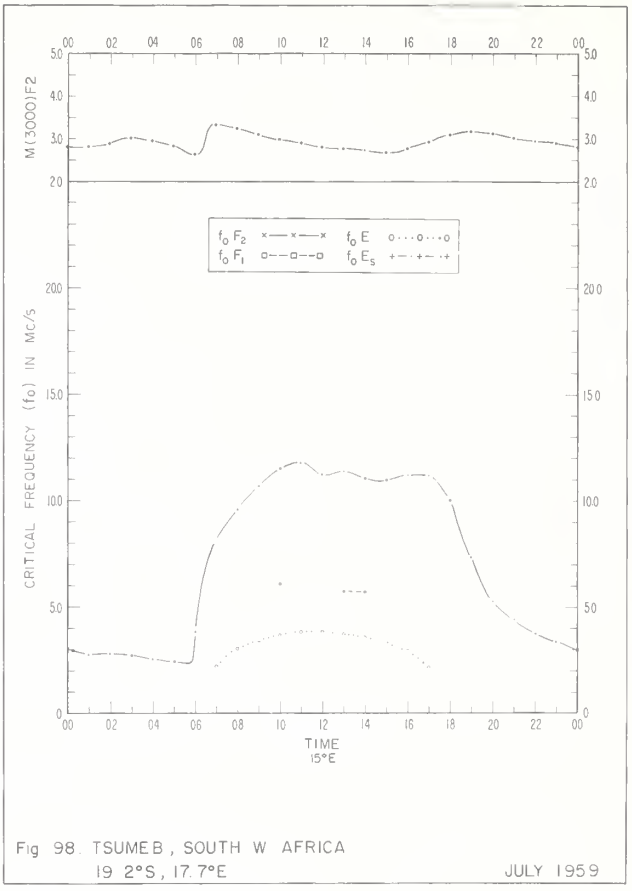

Fig 98. TSUMEB, SOUTH W AFRICA
19.2°S, 17.7°E
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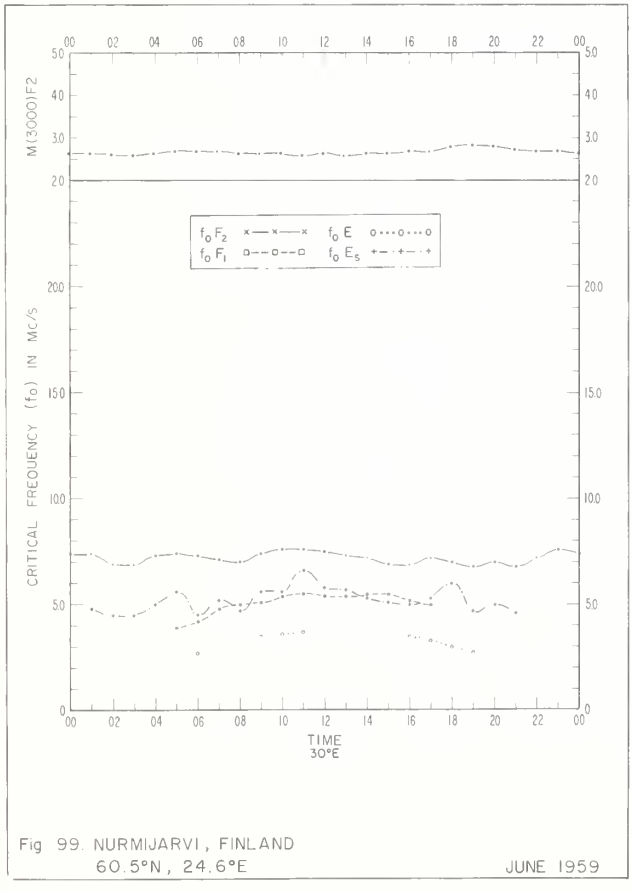

Fig 99. NURMIJARVI, FINLAND
60.5°N, 24.6°E
JUNE 1959

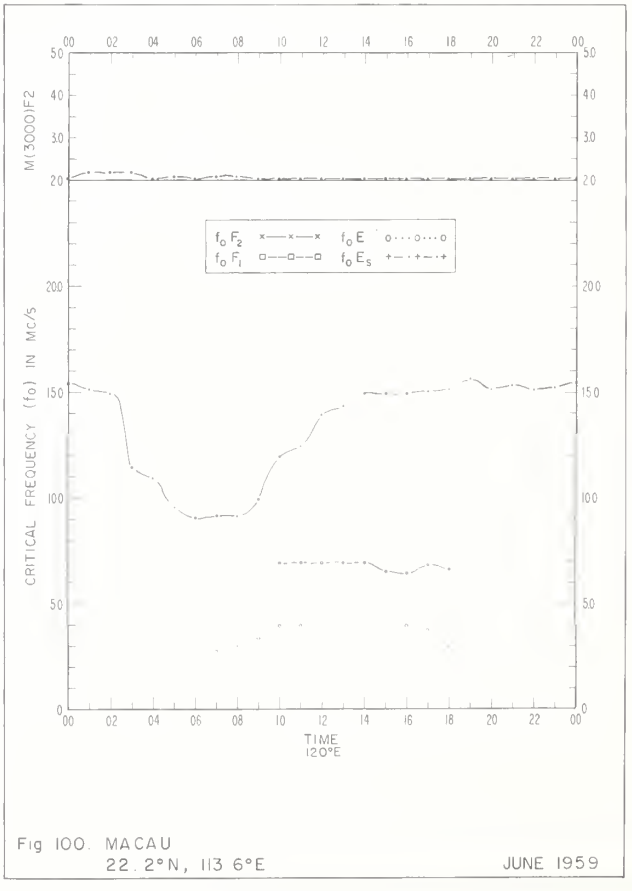

Fig 100. MACAU
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