CRPL-F 213 PART A

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PART A
IONOSPHERIC DATA

**ISSUED
MAY 1962**

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

IONOSPHERIC DATA

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IONOSPHERIC DATA

The CRPL-F series bulletins are issued as part of the responsibility of the Central Radio Propagation Laboratory for the exchange and 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. Beginning with CRPL-F 211, Part A, "Ionospheric Data," a number of changes have been made in the tables of ionospheric data which, by providing more information, should increase their usefulness.

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 f_oF_2 , $h'F_2$, $h'F$, and $(M3000)F_2$. 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.

Graphs of critical frequencies and $(M3000)F_2$ 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 f_oE_s are listed. In the few cases where fEs is still reported instead of f_oE_s , 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		
1962												

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:

Republica Argentina, Ministerio de Marina:
Buenos Aires, Argentina
Decepcion I.

Commonwealth of Australia, Department of the Interior:
Macquarie I.

Commonwealth of Australia, Ionospheric Prediction Service of the
Commonwealth Observatory:
Canberra, Australia

Belgian Royal Meteorological Institute:
Lwiro (Central African Institute for Scientific Research)

Universidad Mayor de San Andres:
La Paz, Bolivia

British Department of Scientific and Industrial Research, Radio
Research Board:
Falkland Is.
Halley Bay
Inverness, Scotland

Defence Research Board, Canada:
Alert, Canada
Clyde, Baffin I.

Universidad de Concepcion:
Concepcion, Chile

Danish National Committee of URSI:
Godhavn, Greenland
Narssarssuaq, Greenland

French National Center for Telecommunications Studies:
Casablanca, Morocco
Dakar, French West Africa
Djibouti, French Somaliland
Kerguelen I.
Poitiers, France
Tamanrasset, French West Africa
Tananarive, Madagascar

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

Ionospheric Institute, Breisach, Germany:
Freiburg, Germany

The Royal Netherlands Meteorological Institute:
Paramaribo, Surinam

Icelandic Post and Telegraph Administration:
Reykjavik, Iceland

Indian Council of Scientific and Industrial Research, Radio Research
Committee, New Delhi, India:
Ahmedabad (Physical Research Laboratory)
Bombay (All India Radio)
Calcutta (Institute of Radio Physics and Electronics)
Delhi (All India Radio)
Kodaikanal (India Meteorological Department)
Madras (All India Radio)
Tiruchy (All India Radio)
Trivandrum (All India Radio)

Christchurch Geophysical Observatory, New Zealand Department of
Scientific and Industrial Research:
Campbell I.
Cape Hallett (Adare), Antarctica

Telecommunication Administration, Oslo, Norway:
Svalbard, Norway

Manila Observatory:
Baguio, P. I.

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

United States Army Signal Corps:
Grand Bahama I.

National Bureau of Standards (Central Radio Propagation Laboratory):
Anchorage, Alaska
Boulder, Colorado
Byrd Station, Antarctica
Fairbanks (College), Alaska (Geophysical Institute of the University
of Alaska)
Huancayo, Peru (Instituto Geofisico de Huancayo)
Maui, Hawaii
Point Barrow, Alaska
Pole Station, Antarctica

TABULATIONS OF ELECTRON DENSITY DATA

Reduction of hourly ionospheric vertical soundings to electron density profiles has become a part of the systematic ionospheric data program of the Central Radio Propagation Laboratory, National Bureau of Standards. Scalings of ionograms for this purpose are being provided by ionosphere stations operated by several stations associated with CRPL. For the present, the hourly profile data from one CRPL station, Puerto Rico, are appearing in the monthly CRPL-F Reports, Part A. The very considerable task of scaling the ionograms for this purpose is being undertaken by T. R. Gilliland, Engineer in Charge, Puerto Rico Ionosphere Sounding Station; the computations are performed at the NBS Boulder Laboratories by a group headed by J. W. Wright. Basic conversion of virtual to true heights uses the well-known matrix method developed by K. G. Budden of the Cavendish Laboratory, Cambridge University, programmed by Dr. H. H. Howe for a CDC-1604 computer.

The tabulations provide the following basic electron density profile data for each hour of each day of the month:

<u>Quantity</u>	<u>Units</u>	<u>Remarks</u>
Electron Density (N)	$\times 10^3 = \text{electrons/cm}^3$	Body of table; given at each 10 km of height.
NMAX	$\times 10^3 = \text{electrons/cm}^3$	Always the highest value of N at each hour. To maintain this rule, the electron density at the next 10 km increment above HMAX is always given as exactly equal to NMAX (unless HMAX coincides with a 10 km level).
QUALification	(Alphabetic)	A standard scaling letter qualifying the observation when necessary.
KP		The standard Kp magnetic index, to one digit.
HMIN	Kilometers	The height of zero or very low electron density, obtained by linear extrapolation of the electron density vs. height curve.
SCAT	Kilometers	One half of the half-thickness of the parabola best fitting the upper portion of the F region profile. Approximates the scale height near the level HMAX.
HMAX	Kilometers	The height of maximum electron density, determined by fitting a parabola to the upper portion of the profile.
SHMAX	$\times 10^{10} = \text{electrons/cm}^2$ column.	Obtained by integration of the profile between the limits HMIN and HMAX.

Tabulations of the average electron densities each hour, at each 10 km level, for the quiet ionosphere, are also given. These averages include the profiles obtained when the magnetic character figure Kp is 4+ or less. The number of profiles entering the average for each hour is given by CNT. The other parameters of the layer, HMIN, SCAT, HMAX, SHMAX, and the mean value of Kp are given for each hour.

Before the averaging process, the individual profiles are extrapolated above HMAX by a Chapman distribution of 100 km scale height. This assumed model seems to agree well with the few published measurements dealing with the topside profile of the F-region.* Extrapolation is necessary in order to calculate homogeneous averages near HMAX and the average profiles are, in fact, given up to 950 km. Also given are the average estimated integrated electron densities to infinity, SHINF (same units as SHMAX); this is an approximation to the total electron content in a column of the ionosphere.

*See Wright, J. W. "A Model of the F-Region Above HMAX F2" J.Geophys.Res. V.65, pp.185-191.

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 1 JAN 1962

TIME	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100
Q _{KP}	A3	A3	A1	1	1	1	1	51	1	1	A1	A1
HMIN	221	256	251	226	211	197	197	110	110	109		
SCAT	27.4	35.8	35.7	31.9	27.6	44.3	38.1	41.7	32.5	31.2		
HMAXF	280	323	323	290	266	296	285	259	245	242		
SHMAX	82	100	112	103	69	99	73	152	307	459		
KM												
330		222	235									
320		221	235									
310		214	228									
300		198	211	247		162	134					
290	225	172	186	247		161	134					
280	225	132	152	241		157	134					
270	217	78.3	109	222	190	148	129					
260	194	28.7	51.1	192	188	136	120	224				
250	152		144	173	118	105	221	515	842			
240	91.7		79.1	146	95.9	86.9	211	511	841			
230	39.1		27.8	104	72.7	66.9	196	486	811			
220				53.1	50.1	47.5	173	436	739			
210					30.2	29.6	142	365	603			
200					12.4	12.4	110	290	445			
190							84.2	224	313			
180							63.5	172	238			
170							49.8	133	198			
160							40.4	107	165			
150							33.9	90.9	136			
140							30.4	81.0	118			
130							28.7	72.3	108			
120							26.0	61.9	91.1			
110							13.0	12.4	39.4			

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 1 JAN 1962

TIME	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
Q _{KP}	A1	1	A0	A0	A0	A2	A2	A2	3	3	3	2
HMIN	110	109	109	109	110			209	217	214	209	217
SCAT	24.2	47.1	32.5	34.9				30.6	35.0	34.4	33.4	45.5
HMAXF	224	244	243	249				266	293	281	270	304
SHMAX	355	400	398	385				123	114	106	80	84
KM												
310												142
300										235		142
290										235	243	139
280										311	208	237
270										309	183	220
260										291	150	191
250			491	621	591					256	108	145
240			491	620	580					206	57.9	84.5
230		651	481	596	545					128	19.9	34.2
220		647	461	544	486							16.2
210		600	427	460	404			26.0				
200		499	386	362	319							
190		383	336	293	254							
180		309	293	248	214							
170		267	256	218	183							
160		239	231	194	157							
150		212	209	173	135							
140		185	184	155	114							
130		153	148	127	103							
120		128	131	102	89.9							
110		12.4	36.6	12.4	12.4							

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 2 JAN 1962

TIME	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100
Q _{KP}	2	2	3	3	3	3	3	53	2	A2	A2	A2
HMIN	218	227	257	229	240	227	240		109			
SCAT	58.6	46.9	60.5	38.9	37.1	46.6	33.0		31.4			
HMAXF	321	322	365	299	308	311	314		244			
SHMAX	101	77	111	97	86	96	107		320			
KM												
370			153									
360			153									
350			151									
340			147									
330	142	123	140									
320	142	123	133			167	236					
310	141	121	120		183	166	236					
300	137	116	99.6	205	181	164	226					
290	132	109	77.4	202	172	158	206					
280	125	97.5	54.5	193	157	148	174					
270	115	83.5	32.4	178	134	133	133					
260	100	67.1	15.3	148	101	111	81.3					
250	80.1	50.0		105	61.0	82.3	40.0					
240	57.3	30.6		54.0	4	51.7	3.9		616			
230	33.6	12.4		12.4		19.9			584			
220	12.4								523			
210									420			
200									289			
190									190			
180									140			
170									112			
160									91.8			
150									78.4			
140									72.1			
130									60.1			
120									54.1			
110									12.4			

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 2 JAN 1962

TIME	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
Q _{KP}	A2	A2	A1	1	1	1	51	1	0	0	0	0
HMIN	109	110	109	109	113	199	200	237	218	239		
SCAT	39.1	51.0	42.2	37.2	29.1	37.5	45.9	33.6	37.1	29.7		
HMAXF	258	269	263	268	258	286	285	321	292	294		
SHMAX	551	517	487	416	295	213	156	107	110	95		
KM												
330										214		
320										214		
310										209		
300										193	225	254
290								409	258	170	224	253
280								406	257	141	219	240
270												
260												
250				583	648	621		390	251	106	205	212
240				808	578	647	613	681	359	238	72.8	184
230				799	562	632	583	670	313	220	41.8	153
220				764	533	599	529	619	251	195	16.2	113
210				702	497	547	458	530	176	164		63.7
200				600	452	482	372	398	113	130		18.4
190				469	395	404	293	241	58.5	81.3		
180				356	344	331	229	103	12.4	12.4		
170				289	302	274	182	43.3				
160				253	266	229	147	31.9				
150				226	233	194	120	27.1				
140				202	202	165	100	24.4				
130				180	171	141	84.4	22.7				
120				148	141	122	75.2	21.7				
110				134	124	107	70.8	21.1				
				113	117	94.7	68.5	20.2				
				12.4	12.4	24.5	24.1					

ELECTRON DENSITY

RAYEY AFB, PUERTO RICO

60 W

3 JAN 1962

TIME	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100
Q _h KP	0	0	F0	0	0	1	A1	S1	1	A1	A1	0
HMIN	209	218	237	244	219	218	214		110		109	109
SCAT	42.5	48.5	35.4	32.5	30.8	37.3	35.0		32.2		27.8	21.5
HMAXF	286	326	321	313	274	303	287		249		226	237
SHMAX	83	139	129	125	105	119	109		323		300	383
KM												
330		204	246									
320		203	246	284								
310		198	240	283		226						
300		189	223	272		225						
290	154	175	199	247		219	235					
280	153	158	167	212	283	204	233					
270	148	137	135	167	282	183	221					
260	139	113	96.5	85.0	269	154	200					
250	126	88.8	57.5	32.2	242	120	166	562				
240	108	60.0	19.9		188	83.8	121	550		737		
230	81.2	33.6			97.3	44.6	71.8	513		575	717	
220	44.4	12.4			12.4	16.5	30.7	443		567	621	
210	12.4							348		525	460	
200								263		432	329	
190								198		308	274	
180								151		235	253	
170								120		198	238	
160								98.3		155	218	
150								86.6		127	156	
140								79.7		117	132	
130								63.5		112	124	
120								52.4		109	119	
110								12.4		27.3	39.4	

ELECTRON DENSITY

RAYEY AFB, PUERTO RICO

60 W

3 JAN 1962

TIME	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
Q _h KP	A0	A0	1	A1	1	1	S1	1	0	0	0	0
HMIN	110	110	110	110	110	111		201	209	234	218	201
SCAT	30.5	52.5	50.9	35.0	32.6	41.3		37.2	38.7	32.0	27.1	25.0
HMAXF	222	246	260	247	245	249		270	287	304	265	246
SHMAX	306	416	467	373	345	319		111	95	98	82	56
KM												
310										225		
300										224		
290										187	213	
280										236	185	192
270				539						236	178	159
260				539						232	164	114
250		501	534	501	564	489				219	144	65.2
240		499	518	495	561	483				197	113	28.0
230	517	489	492	466	534	462				167	77.2	112
220	517	470	456	425	481	427				118	41.8	30.1
210	498	442	403	376	396	370				54.6	12.4	57.2
200	452	403	348	327	306	289						
190	386	357	302	284	239	219						
180	317	311	270	248	195	168						
170	257	272	246	219	165	134						
160	230	241	227	195	140	112						
150	185	213	206	176	117	95.0						
140	146	156	151	159	106	82.3						
130	132	134	133	127	101	75.9						
120	102	107	97.3	99.7	91.3	53.8						
110	12.4	12.4	12.4	12.4	12.4							

ELECTRON DENSITY

RAYEY AFB, PUERTO RICO

60 W

4 JAN 1962

TIME	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100
Q _h KP	0	0	0	F0	0	1	1	S1	0	A0	A0	A0
HMIN	206	243	259	249	241	218	110	110			110	
SCAT	52.0	45.4	37.5	31.7	38.1	36.0	36.1	34.1	23.6		23.0	
HMAXF	295	337	338	320	317	312	303	251	232		225	
SHMAX	74	94	96	95	96	78	88	137	222		302	
KM												
340		152	190									
330		151	188									
320		146	180	215	186	163						
310		138	164	210	184	163	170					
300	117	126	139	194	176	158	170					
290	117	110	110	168	161	148	165					
280	114	90.6	77.2	130	142	130	154					
270	110	70.4	41.8	85.3	120	105	135					
260	104	49.0	12.4	42.6	85.2	75.6	109	238				
250	95.3	25.0		12.4	39.2	45.0	82.7	238				
240	84.5						57.3	233	450			
230	66.3						32.6	216	449		619	
220	41.0						12.4	192	420		612	
210	18.4							161	353		555	
200								121	265		438	
190								82.7	196		300	
180								55.9	151		232	
170								40.5	116		206	
160								31.2	94.0		181	
150								26.1	80.3		153	
140								23.4	73.9		131	
130								22.2	67.9		115	
120								21.1	51.3		103	
110								13.0	12.4		12.4	

ELECTRON DENSITY

RAYEY AFB, PUERTO RICO

60 W

4 JAN 1962

TIME	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
Q _h KP	A0	0	A0	0	0	A0	S0	A0	0	0	0	0
HMIN	109	109	109	110	110	110		199	208	229	219	201
SCAT	23.9	30.6	55.5	32.3	33.9	32.1		30.7	39.2	33.4	30.0	41.1
HMAXF	229	233	274	246	241	247		266	279	282	281	261
SHMAX	325	339	499	423	355	270		91	68	64	75	54
KM												
290										170	184	
280				524						142	169	184
270				523						222	140	164
260				515						220	133	152
250				499	669	591	482			207	122	125
240		517	477	664	591	477				182	102	65.3
230	567	516	439	630	575	449				141	72.2	12.4
220	546	495	391	563	535	401				91.1	40.2	12.4
210	475	445	342	463	461	329				43.5	12.4	52.9
200	382	378	298	357	359	239				12.4		
190	309	316	267	283	267	168						
180	263	275	246	238	209	126						
170	238	249	229	210	173	96.6						
160	222	230	213	189	149	78.0						
150	195	204	196	171	131	68.0						
140	138	166	151	160	120	62.2						
130	127	133	127	139	114	59.1						
120	106	87.1	98.5	111	91.1	57.3						
110	12.4	12.4	12.4	12.4	12.4	12.4						

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO

60 W

7 JAN 1962

TIME	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100
Q _z KP	0	0	0	0	A0	A0	A0	A0	1	1	A1	1
HMIN	222	251	219	203	198	218	218		111	109	109	109
SCAT	32.1	35.8	44.9	25.9	35.9	33.2	37.2		67.5	36.5	30.2	24.4
HMAXF	285	325	293	245	282	295	280		253	247	251	235
SHMAX	75	115	190	82	82	89	94		238	331	371	357
KM												
330		242										
320		241										
310		232										
300		213	354			190						
290	178	186	354		156	189	214					
280	177	147	347		156	180	214					
270	168	94.0	331		151	163	211					
260	151	40.1	306		141	138	199		265	619		
250	122		270	271	125	105	179		265	446	618	
240	84.5		211	269	104	68.7	139		263	442	598	675
230	40.9		127	248	81.1	38.6	84.2		257	422	544	669
220			22.5	202	55.6	12.4	20.5		249	385	446	614
210				101	33.0				238	336	319	493
200					12.4				224	284	248	340
190									205	242	217	256
180									179	213	191	228
170									148	191	158	210
160									117	172	133	190
150									95.2	155	122	162
140									74.3	141	115	139
130									56.1	119	111	129
120									51.9	89.7	108	124
110										29.7	27.3	33.3

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO

60 W

7 JAN 1962

TIME	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
Q _z KP	1	A1	A1	A1	A1	2	A2	A2	A1	1	1	1
HMIN	108				110	109		208	249	219	226	201
SCAT	38.6				30.8	48.3		44.5	31.7	22.4	35.2	31.0
HMAXF	234				239	254		297	320	272	301	265
SHMAX	331				327	301		86	86	92	137	109
KM												
320									196			
310									191		283	
300									146	176	283	
290									145	152	276	
280									140	119	297	256
270									132	79.9	297	228
260							407		120	41.8	275	191
250							406		103	12.4	222	141
240	469					562	399		82.1		138	79.2
230	468					549	382		57.5		55.5	27.8
220	454					510	359		33.5		12.4	
210	426					428	319		12.4			47.7
200	375					325	266					
190	307					246	210					
180	257					203	165					
170	234					177	131					
160	212					156	109					
150	177					133	91.6					
140	147					110	76.9					
130	135					97.9	70.3					
120	131					88.6	60.7					
110	39.4					12.4	12.4					

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO

60 W

8 JAN 1962

TIME	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100
Q _z KP	1	1	F1	F1	F1	F1	F1	S1	A1	A1	A1	A2
HMIN	206	237	255		204				110			
SCAT	44.1	39.0	34.6		25.8				42.8			
HMAXF	289	324	325		281				250			
SHMAX	125	120	102		100				268			
KM												
330		225	226									
320		224	225									
310		217	216									
300		202	197									
290	215	180	170									
280	213	150	131									
270	205	113	71.0		270							
260	192	74.3	29.2		270							
250	173	41.3			257			371				
240	150	16.0			224			366				
230	120				183			351				
220	82.6				125			325				
210	30.2				44.2			290				
200								247				
190								202				
180								164				
170								133				
160								109				
150								93.5				
140								86.8				
130								62.4				
120								50.3				
110								12.4				

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO

60 W

8 JAN 1962

TIME	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
Q _z KP	A2	A2	A1	1	1	A0	A0	A0	A1	1	F1	1
HMIN	108			108	109			199	229	259		200
SCAT	32.4			23.7	29.3			33.0	39.0	45.3		32.1
HMAXF	214			224	247			268	316	335		257
SHMAX	242			278	352			73	71	109		75
KM												
340												195
330												194
320												189
310										129		180
300										124		165
290										115		144
280										102		116
270									163	86.1	76.3	
260									161	67.4	22.1	186
250						577			152	46.3		184
240						569			135	26.8		173
230					507	526			107	3.1		152
220	390				504	456			77.3			118
210	389				465	358			48.7			69.4
200	373				381	274			12.4			12.4
190	339				292	222						
180	284				236	193						
170	244				205	173						
160	219				183	156						
150	196				161	139						
140	153				142	117						
130	127				120	101						
120	116				108	93.0						
110	40.4				49.1	29.7						

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 9 JAN 1962

TIME	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
Q, KP	A2	A2	A3	3	3	A2		A2	A4	A4	F4	A6
HMIN				109	110			200	200	198	237	209
SCAT				46.8	41.2			34.9	40.2	38.6	30.7	40.2
HMAX				260	252			255	276	293	302	294
SHMAX				371	345			79	80	79	82	95
KM												
310											193	
300										134	193	170
290										134	186	170
280									148	131	168	165
270									147	123	143	155
260				430	469				142	110	109	141
250				425	469			195	132	94.8	64.3	123
240				411	459			186	118	78.9	21.6	99.2
230				385	436			171	98.2	63.0		72.3
220				353	398			140	75.8	46.5		41.2
210				316	347			84.6	52.7	31.0		12.4
200				278	290			12.4	12.4	12.4		
190				244	238							
180				217	201							
170				193	174							
160				167	149							
150				142	125							
140				128	109							
130				122	98.6							
120				114	94.0							
110				25.1	12.4							

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 10 JAN 1962

[illegible]

ELECTRON DENSITY

[illegible]

ELECTRON DENSITY

RAYEY AFB, PUERTO RICO										60 W		12 JAN 1962	
TIME	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
O,K P								A2	A2	2	A2	F20	
HMIN	A0	A0	A1	A1	A1	A2	A2	200	199	198	216	224	
SCAT								36.8	32.2	45.6	38.5	48.9	
HMAX F								265	245	303	313	335	
SHMAX								101	31	62	70	110	
340												155	
330												154	
320											122	151	
310										92.3	122	145	
300										92.2	118	135	
290										90.4	111	124	
280										86.4	99.9	110	
270								225		80.0	84.4	95.6	
260								223		71.8	67.1	77.4	
250								215	85.4	61.6	50.9	54.6	
240								199	84.9	51.1	36.7	36.4	
230								167	80.8	40.6	25.0	20.6	
220								115	72.6	30.9	12.4		
210								65.5	55.0	21.3			
200								12.5	12.5	8.6			

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 13 JAN 1962

TIME	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100
Q _z KP	F2	2	1	1	A1	A1	A1	S1	1	1	1	1
HMIN	237	239	219	205	207	199	209		109	107	109	108
SCAT	40.7	44.1	29.7	23.8	32.0	42.8	40.2		37.6	38.8	35.8	24.8
HMAXF	329	326	275	252	264	266	291		232	247	250	228
SHMAX	86	87	75	64	52	44	40		182	276	421	380
KM												
330	148	155										
320	146	155										
310	140	150										
300	129	142										
290	115	129										
280	96.8	109	205									
270	77.4	80.1	203		133	85.0	67.0					
260	54.3	51.4	192	215	133	84.6	61.5					
250	33.2	30.3	189	215	127	82.0	54.2					
240	15.4	6.8	121	202	114	76.9	44.6					
230			59.8	167	90.4	70.0	33.0		270	382	627	
220			12.4	91.7	51.7	60.9	21.5		263	341	523	723
210					29.4	19.3	45.5	2.3	245	298	414	646
200						12.4			220	247	308	492
190									190	205	247	335
180									156	175	217	259
170									127	146	200	231
160									105	118	184	213
150									91.2	101	162	189
140									84.0	92.4	138	154
130									67.0	87.0	122	128
120									53.1	83.9	111	121
110									27.3	73.3	41.8	86.2

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 13 JAN 1962

TIME	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
Q _z KP	1	A1	1	A1	A1	A0	50	A0	A0	0	F0	F0
HMIN	108		109	110					205	220		199
SCAT	31.0		49.4	37.0					42.5	34.0		36.6
HMAXF	223		243	250					283	285		282
SHMAX	297		357	337					82	82		81
KM												
290									149	188		155
280									149	187		154
270									145	179		150
260									138	162		139
250				428	442				126	139		125
240				428	434				110	104		105
230	467			421	411				88.2	50.8		80.5
220	466			405	371				61.1	1.7		53.7
210	447			380	319				29.4			30.3
200	404			347	269							6.8
190	337			308	238							
180	277			269	218							
170	245			238	201							
160	224			216	180							
150	204			189	147							
140	150			152	123							
130	123			136	108							
120	116			130	101							
110	80.1			55.6	19.7							

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 14 JAN 1962

TIME	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100
Q _z KP	A0	F0	A1	A1	A1	A1	1	S1	2	2	2	4
HMIN	228		229	224	211	219	200	100	109	107	108	109
SCAT	28.5		35.5	31.6	19.9	31.6	32.4	29.0	25.6	34.2	33.2	39.7
HMAXF	304		306	288	252	280	256	227	208	222	220	227
SHMAX	84		118	114	75	87	63	79	135	201	251	282
KM												
310	188		243									
300	187		241									
290	177		230	281								
280	156		210	277		222						
270	130		182	258		216						
260	101		146	226	303	200	156					
250	66.5		89.5	172	302	170	155					
240	37.3		42.6	91.0	273	116	147					
230	12.4		12.4	32.2	195	49.6	132	149				
220					60.1	12.4	107	147				
210							68.6	136	271	317	359	355
200							12.4	116	265	294	332	328
190								89.8	238	256	294	294
180								64.9	196	204	256	262
170								46.3	147	159	227	238
160								33.5	113	125	205	221
150								27.8	95.3	108	183	200
140								25.0	88.3	94.3	154	164
130								23.6	64.6	94.0	127	133
120								22.9	50.5	91.2	113	126
110								20.8	26.0	55.5	97.3	41.8
100								13.0				

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 14 JAN 1962

TIME	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
Q _z KP	A4	A4	A3	A3	A3	4	A4	A4	3	3	3	2
HMIN			109			110		200	197	241	240	199
SCAT			35.7			47.8		29.3	46.7	36.8	33.6	46.3
HMAXF			258			285		255	297	314	321	303
SHMAX			476			581		47	74	18	93	105
KM												
330												193
320											163	193
310											162	188
300										113	157	174
290										112	146	152
280										109	127	122
270										103	99.2	85.8
260										71.6	55.3	127
250										259	95.0	66.9
240										258	84.0	35.5
230										598	243	71.6
220										511	214	58.3
210										476	163	43.3
200										374	309	70.5
190										255	230	12.4
180										255	183	12.4
170										230	151	
160										212	128	
150										195	108	
140										182	89.2	
130										160	75.3	
120										141	69.8	
110										123	54.5	
100										38.1	1.7	

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO

60 W

15 JAN 1962

TIME	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100
Q _z KP	2	2	F3	3	3	2	2	52	2	2	2	2
HMIN	253	238	211	220	240	246	208		113	109	109	106
SCAT	30.2	24.4	31.4	26.5	29.6	32.5	27.0		32.0	28.3	31.3	29.0
HMAXF	331	314	287	274	305	317	266		229	237	234	221
SHMAX	73	108	159	94	103	108	86		195	321	362	326
KM												
340	163											
330	163											
320	157	236					243					
310	143	235				247	240					
300	119	224				245	227					
290	84.4	198	358			231	202					
280	61.2	167	353	271		202	166					
270	38.8	131	332	270	164	116		238				
260	22.2	89.6	294	252	116	66.0	235					
250		50.1	243	215	55.4	23.6	216					
240		16.8	171	155	1.7		181		531	580		
230			81.2	66.9			128		354	524	578	549
220							62.7		347	485	552	549
210							18.4		321	414	497	528
200									279	338	412	475
190									219	273	321	390
180									158	225	261	304
170									115	192	229	253
160									93.6	164	207	227
150									83.5	143	183	206
140									70.2	124	158	177
130									58.0	104	137	147
120									50.8	92.4	118	127
110										27.3	41.8	105

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO

60 W

15 JAN 1962

TIME	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
Q _z KP	A2	A2	2	2	2	3	S3	3	2	A2	2	2
HMIN	109	109	108	106	109			181	206	199	199	198
SCAT	35.0	39.8	38.4	42.8	33.3			27.9	44.1	39.4	29.0	41.1
HMAXF	256	256	262	250	259			229	285	273	250	260
SHMAX	455	484	493	482	375			81	103	75	40	36
KM												
290									187			
280									186	148		
270					678				181	148		76.1
260		663	619	678		564			172	145	108	76.1
250		659	615	661	707	553			158	136	108	75.0
240		630	594	622	698	517			136	123	104	71.5
230		574	554	559	670	457			243	107	104	94.4 65.9
220		489	495	468	622	385			236	65.9	78.1	78.0 55.6
210		383	423	386	553	317			215	26.3	46.3	52.4 38.2
200		298	354	292	449	255			168		12.4	12.4 12.4
190		252	301	250	325	206			80.7			
180		224	265	225	239	170						
170		196	242	205	201	145						
160		174	222	188	175	125						
150		160	204	172	152	107						
140		152	186	147	131	91.1						
130		146	165	130	114	78.0						
120		140	138	124	106	71.5						
110		30.3	27.3	36.5	68.2	39.4						

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO

60 W

16 JAN 1962

TIME	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100
Q _z KP	2	2	3	3	F3	A3	3	S3	4	4	4	2
HMIN	275	227	211	231	259	221	203		111	108	106	109
SCAT	33.4	46.8	38.2	26.2	33.3	31.3	43.3		26.2	39.0	32.2	42.5
HMAXF	339	323	291	294	332	289	291		222	229	226	223
SHMAX	55	103	100	87	92	86	83		175	262	302	290
KM												
340	124					205						
330	122	170				205						
320	114	169				198						
310	101	166				182						
300	81.1	159	200	228	156		147					
290	59.8	144	200	226	117	202	147					
280	30.1	133	196	209	70.4	198	145					
270		104	184	181	36.3	183	139					
260		80.8	166	137	4.7	157	129					
250		53.6	136	83.4		117	113					
240		33.5	97.2	38.5		76.2	92.4					
230		15.6	56.2			37.5	66.7		349	390	469	392
220			30.0				43.5		349	385	466	392
210							23.1		332	368	442	383
200									286	337	396	363
190									226	290	333	332
180									166	241	274	294
170									125	201	234	259
160									99.3	169	207	237
150									86.1	142	181	215
140									73.1	121	156	182
130									56.7	94.9	126	137
120									47.9	81.3	107	121
110										49.1	89.0	59.8

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO

60 W

16 JAN 1962

TIME	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
Q _z KP	2	2	2	2	2	3	S3	A3	2	2	2	2
HMIN	107	108	108	109	109	109			200	220	207	217
SCAT	42.0	30.8	27.7	27.0	48.7	36.8			34.6	41.3	32.3	34.0
HMAXF	249	255	253	231	267	267			255	299	273	280
SHMAX	395	482	440	286	417	511			76	114	95	103
KM												
300										214		163
290										211		163
280										202	225	243
270										186	224	238
260			707	710		464	809			187	163	215
250	456	702	708			452	773			186	130	196
240	451	664	671	494		429	707			178	94.1	164
230	428	589	587	494	397	603				163	52.0	115
220	400	486	455	474	360	469				139	1.7	58.6
210	367	381	347	420	322	340				92.1		20.6
200	333	310	281	332	287	253				12.4		
190	300	273	252	254	255	201						
180	274	251	234	220	227	168						
170	253	233	214	194	201	145						
160	235	216	188	164	176	126						
150	220	200	157	137	143	110						
140	202	188	142	124	115	97.6						
130	131	131	134	117	101	70.9						
120	122	122	129	113	95.3	66.1						
110	85.2	77.5	40.4	26.0	35.7	26.0						

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO													60 W	17 JAN 1962
TIME	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100		
Q ₁ KP	2	A2	1	A1	A1	1	1	51	51	1	1	1		
HMIN	237	237	221	219	206	216	215		110	108	108	108		
SCAT	36.3	31.7	29.1	31.2	32.9	35.0	37.0		25.9	30.1	22.7	25.5		
HMAXF	331	313	282	274	294	290	289		233	237	226	213		
SHMAX	96	99	123	117	118	123	135		250	359	373	267		
KM														
340	176													123
330	176													123
320	172	215												120
310	160	215												116
300	143	207			240	259								108
290	120	189	325		239	259	279							99.5
280	94.9	160	324	309	229	254	275							88.8
270	69.8	126	310	307	208	238	259							75.4
260	46.5	87.1	277	294	183	211	235							60.2
250	28.8	46.4	216	264	143	176	200							44.8
240	12.4	16.2	134	211	99.4	131	150		491	619				27.7
230			51.0	119	63.0	67.8	86.1		490	610	782			7.7
220									460	569	768	489		
210					22.0	37.1	26.3	30.1	395	493	683	487		
200						18.1			307	383	515	456		
190									224	286	338	385		
180									168	230	257	291		
170									133	197	227	251		
160									109	171	207	232		
150									93.3	147	182	199		
140									83.5	126	155	151		
130									67.8	111	133	128		
120									57.3	95.7	121	121		
110										44.1	62.1	53.6		

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO													60 W	17 JAN 1962
TIME	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300		
Q ₁ KP	1	1	1	1	1	1	1	1	0	0	0	0		
HMIN	104	104	108	107	109	109	117	200	201	201	210	228		
SCAT	25.4	60.0	41.0	34.0	43.3	32.5	35.6	29.8	39.4	53.6	39.2	51.1		
HMAXF	201	293	245	234	259	258	270	256	270	291	285	335		
SHMAX	232	575	356	309	400	359	340	169	78	79	64	87		
KM														
340														123
330														123
320														120
310														116
300		461									123			108
290		460									123	129	99.5	
280		455									163	122	129	88.8
270		444									163	118	125	75.4
260		420				507	567	638	448	161	113	117	60.2	
250		399	446			502	558	600	444	153	105	103	44.8	
240		380	445	428	483	523	536	417	140	94.4	80.0	27.7		
230		367	432	426	454	461	424	365	115	78.1	55.3	7.7		
220		357	405	409	402	382	287	273	80.3	55.0	30.8			
210	424	345	367	373	338	303	173	139	40.4	30.0				
200	424	330	322	327	284	239	103	12.4						
190	406	312	283	282	244	194	70.2							
180	355	290	254	250	215	161	53.1							
170	285	267	232	227	193	135	42.6							
160	249	245	208	206	172	113	37.6							
150	230	226	173	183	148	92.8	35.1							
140	193	208	149	158	125	81.0	33.8							
130	151	145	140	129	106	74.6	33.0							
120	133	131	131	120	100	71.4	24.5							
110	109	67.3	38.7	40.0	39.4	25.1								

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO													60 W	18 JAN 1962
TIME	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100		
Q ₁ KP	F0	F0	F0	0	F0	1	1	51	41	1	1	2		
HMIN	251	247	240	228	210	227	248		108	109	108	104		
SCAT	32.6	31.6	31.0	27.2	29.7	41.5	38.0		25.7	27.4	24.5	33.8		
HMAXF	322	309	303	282	263	317	308		224	227	214	216		
SHMAX	60	72	83	94	91	82	61		197	257	265	278		
KM														
330	131					142								127
320	131													170
310	127	165	204			141	132							169
300	116	161	203			136	131							162
290	100	148	195	268		127	125							151
280	79.8	133	176	267		113	115							149
270	54.3	111	145	254	258	95.8	97.9							142
260	29.3	74.7	100	222	257	75.4	74.7							130
250		25.5	49.0	166	246	54.1	35.5							112
240			3.1	87.7	221	35.1								88.2
230					20.5	174	16.0		387	438				61.8
220						73.9			384	431	482	428		37.3
210									357	397	480	424		12.4
200									298	333	443	403		
190									221	265	372	363		
180									166	218	289	310		
170									130	188	241	262		
160									105	163	216	238		
150									88.8	138	191	215		
140									78.9	118	162	183		
130									73.2	105	138	152		
120									66.1	96.2	123	134		
110									37.6	30.3	81.2	33.8		

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO								60 W		18 JAN 1962				
TIME	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300		
Q ₁ KP	2	2	1	1	1		A0	A0	0	2	2	2	2	2
HMIN	109	108	108	107	109			200	245	249	237	208		
SCAT	36.9	38.7	69.3	38.5	27.2			25.6	35.8	34.0	39.4	36.6		
HMAXF	227	236	284	248	236			248	302	320	316	288		
SHMAX	339	369	589	414	296			111	43	59	88	77		
KM														
330											127			
320											127	170		
310										101	125	169		
300										101	116	162		
290				515						98.6	101	151	151	
280				514						92.6	81.6	132	149	
270				509						80.7	57.4	107	142	
260				499						62.5	32.5	76.9	130	
250				484	541			342	30.1	5.4	43.3	112		
240			471	461	535	507		334			16.2	88.2		
230		467	468	436	512	502		300					61.8	
220		463	451	410	468	465		231					37.3	
210		442	414	381	411	397		135					12.4	
200		405	372	348	343	310		12.4						
190		349	328	314	288	242								
180		300	290	285	252	202								
170		266	261	260	228	175								
160		246	242	239	209	151								
150		235	229	220	190	126								
140		212	217	201	172	111								
130		173	175	180	156	103								
120		147	146	143	147	100								
110	41.8	39.4	55.6	93.8	57.7									

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO

60 W

19 JAN 1962

TIME	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100
Q,KP	2	2	3	3	3	2	2	S2	4	4	A4	4
HMIN	238	200	199	207	300	245	209		109	109	107	106
SCAT	36.9	16.1	33.6	36.6	33.5	34.0	34.1		28.4	28.7	24.1	67.7
HMAXF	312	231	270	281	359	331	278		230	247	235	271
SHMAX	88	60	59	69	66	82	82		225	397	461	556
KM												
360					154							
350					151							
340					141	158						
330					126	158						
320	179				104	154						
310	179				64.9	143						
300	174				12.4	127						
290	163				142	108						
280	145				142	86.3	187					536
270	120			124	139	61.3	184					536
260	85.4			121	131	38.5	174					533
250	45.9			113	117	20.1	155			740		524
240	16.5	291		100	97.5		124			728	941	509
230		290	83.6	68.2			79.9		409	673	932	487
220		256	63.6	40.7			41.8		397	561	855	460
210		148	40.8	16.2			12.4		358	400	683	427
200		12.4	12.4						303	277	479	388
190									238	222	336	344
180									183	188	259	299
170									141	156	227	264
160									113	130	211	243
150									94.0	113	188	226
140									81.9	106	154	192
130									76.0	102	132	153
120									56.8	98.6	121	134
110									12.4	33.3	75.6	81.9

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO

60 W

19 JAN 1962

TIME	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
Q,KP	4	A4	A4	A4	4	1	A1	A1	A1	A1	A1	1
HMIN	108				109	109		201	221	220	230	220
SCAT	65.5				46.2	40.1		36.8	35.2	26.0	33.6	31.4
HMAXF	280				271	260		286	300	285	304	299
SHMAX	630				479	352		182	143	123	154	130
KM												
310									304		342	
300									304		341	281
290	591							358	298	342	328	276
280	591				580			355	279	339	299	256
270	587				580			340	247	314	258	224
260	577				572	491		312	194	263	196	183
250	560				551	484		270	137	185	112	134
240	538				514	461		215	79.1	92.6	43.2	79.6
230	505				469	423		151	37.2	42.2	3.1	38.9
220	464				412	375		89.2				3.9
210	417				352	319		39.4				
200	370				301	262						
190	331				257	212						
180	300				221	171						
170	274				189	137						
160	252				159	111						
150	234				131	92.4						
140	218				111	79.9						
130	174				100	73.9						
120	146				95.2	66.9						
110	55.5				29.7	22.0						

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO

60 W

20 JAN 1962

TIME	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100
Q,KP	1	1	F2	A2	2	F1	1	S1	0	A0	A0	A1
HMIN	200	202	208	220	213	231	239		109	103	109	
SCAT	32.8	43.2	43.3	34.5	32.0	34.1	36.0		29.0	29.5	27.1	
HMAXF	282	271	301	293	279	309	317		242	253	244	
SHMAX	108	91	111	102	81	89	112		275	499	453	
KM												
320							226					
310							188	223				
300				188	215		185	213				
290	225			185	215		174	194				
280	224	187		176	207	188	155	166				
270	217	187		164	190	184	128	132				
260	199	184		145	166	170	93.6	89.7				
250	174	175	120	136	149	55.7	49.6		529	921	819	
240	142	164	91.1	95.3	119	29.5	12.4		528	880	814	
230	98.5	138	61.4	44.1	75.0				505	785	761	
220	60.1	88.9	37.7	3.1	34.0				451	600	651	
210	32.3	37.0	12.4						351	414	489	
200									251	294	346	
190									178	235	274	
180									138	202	239	
170									113	176	217	
160									93.8	151	193	
150									79.8	129	166	
140									70.7	113	143	
130									66.6	102	128	
120									56.0	96.8	120	
110									12.4	84.8	33.5	

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO

60 W

20 JAN 1962

TIME	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
Q,KP	A1	A1	2	2	2	1	S1	1	2	S2	F2	F1	
HMIN	110		108	108	109	109	110	199	235	219	200	252	
SCAT	25.2		31.5	43.0	35.9	39.5	34.5	41.0	32.8	29.4	25.6	28.2	
HMAXF	209		238	248	242	238	247	285	309	284	246	319	
SHMAX	269		436	436	351	253	207	101	86	116	51	76	
KM													
320												181	
310									191			177	
300									188			160	
290									179	175	297		
280									178	154	296	109	
270									173	121	282	74.8	
260									162	83.2	250	37.0	
250					564	505		387	146	47.0	193	156	
240					707	559	505	368	382	124	20.2	118	154
230					696	539	490	364	362	98.6		55.8	140
220					651	504	455	348	326	70.6		12.4	115
210	491				559	452	400	319	260	42.4		71.2	
200	457				429	389	337	283	185	12.4		12.4	
190	418				330	329	279	239	122				
180	333				277	280	236	195	81.1				
170	272				248	244	204	158	58.1				
160	243				227	216	179	130	45.9				
150	221				205	190	156	107	40.1				
140	193				184	159	135	89.5	37.4				
130	157				161	137	116	76.9	36.1				
120	143				140	123	105	70.2	31.9				
110	12.4				40.4	54.9	33.8	27.3	12.4				

ELECTRON DENSITY

RAMEY AF8, PUERTO RICO

60 W

21 JAN 1962

TIME	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100
Q _{KP}	F1	F1	F2	F2	F2	F2	2	52	3	3	3	A1
HMIN	227	230	208	215	199	227	233		110	110	109	109
SCAT	35.3	21.5	25.9	24.4	24.0	38.7	50.1		28.1	24.7	17.7	31.8
HMAXF	307	279	260	260	247	317	332		234	237	218	208
SHMAX	100	70	68	60	45	59	97		249	332	278	256
KM												
340								149				
330								149				
320							103	147				
310	204						102	142				
300	202						98.0	134				
290	193						90.1	123				
280	175	232					80.1	107				
270	150	222					67.7	86.2				
260	116	188	194	193			53.6	65.0				
250	74.9	133	187	185	142	39.4	43.7					
240	41.0	59.5	165	160	140	26.3	23.1	494	669			
230	16.2	.4	132	118	126	12.4		491	657			
220			83.4	42.9	95.5			464	596	651		
210			20.5		51.3			405	466	614	434	
200					12.4			316	331	483	427	
190								224	244	313	400	
180								156	199	240	346	
170								117	167	207	276	
160								94.9	139	173	239	
150								81.6	119	142	213	
140								73.7	99.6	128	176	
130								59.8	90.6	122	151	
120								53.8	86.5	115	139	
110								12.4	12.4	25.1	59.8	

ELECTRON DENSITY

RAMEY AF8, PUERTO RICO

60 W

21 JAN 1962

TIME	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
Q _{KP}	1	1	0	A0	0	A2	A2	A2	A0	A0	A0	0
HMIN	109	108	108	108	109				210	217	192	
SCAT	43.4	53.1	27.4	44.2	48.8				43.7	23.7	27.3	
HMAXF	253	274	236	242	260				300	258	227	
SHMAX	451	585	403	405	382				140	91	35	
KM												
310									240			
300									240			
290									236			
280			591						227			
270			590		426				211			
260	517	581			426				190		319	
250	516	561		539	421				161		309	
240	506	532	663	538	408				123		272	
230	481	490	654	528	382				82.0		190	123
220	442	444	605	504	354				44.5		46.7	121
210	398	397	514	467	323				1.7		112	
200	355	354	410	406	294						84.1	
190	319	319	320	336	266							
180	291	292	269	276	236							
170	271	271	240	237	207							
160	251	251	217	212	179							
150	232	230	195	187	152							
140	194	207	178	161	125							
130	158	176	145	140	110							
120	146	149	133	128	104							
110	59.8	113	73.8	85.7	33.8							

ELECTRON DENSITY

RAMEY AF8, PUERTO RICO

60 W

22 JAN 1962

TIME	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100
Q _{KP}	0	0	1	1	1	A0	0	50	0	A0	0	0
HMIN	217	238	224	210	205	199	208		111	110	109	109
SCAT	35.5	35.0	28.5	29.1	28.5	27.3	45.2		39.0	26.5	24.4	39.6
HMAXF	302	313	288	269	269	256	311		261	238	252	264
SHMAX	64	90	93	99	101	94	139		359	362	600	715
KM												
320		197					222					
310	123	196					222					
300	123	190					218					
290	120	175	236				210					
280	111	151	231				196					
270	98.5	112	211	256	253		177	541		1013		
260	81.6	67.9	177	249	247	258	152	541	1184	1009		
250	63.7	38.5	131	228	224	255	123	531	1183	979		
240	44.0	12.4	74.2	189	190	237	87.3	503	680	1118	914	
230	28.0		32.1	138	140	202	56.5	457	647	952	820	
220	12.4			72.5	75.9	147	33.1	390	585	704	694	
210				12.4	30.1	72.9	12.4	313	490	478	548	
200						12.4		240	373	342	406	
190								185	279	281	322	
180								147	230	251	276	
170								119	196	231	250	
160								97.5	168	208	234	
150								82.6	143	183	215	
140								74.1	123	159	184	
130								67.7	110	139	154	
120								63.6	102	127	140	
110									12.4	41.8	48.8	

ELECTRON DENSITY

RAMEY AF8, PUERTO RICO

60 W

22 JAN 1962

TIME	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
Q _{KP}	A0	0	0	0	0	A0	S0	0	0	0	A0	0
HMIN	107	109	105	108	109	110	191	229	219	219	217	
SCAT	39.7	35.7	33.1	43.1	26.3	23.7	60.9	45.3	28.0	29.6	43.8	
HMAXF	288	267	238	242	234	233	307	303	267	279	321	
SHMAX	917	840	463	348	266	190	118	90	58	66	105	
KM												
330											163	
320											163	
310									144	169	161	
300									144	169	154	
290	1173								142	165	143	
280	1161								137	158	171	130
270	1111	1341							132	147	170	167
260	1021	1328							123	127	167	153
250	907	1264			448				111	98.2	154	129
240	770	1147	747	448	517	463	98.1	58.0	127	87.4	49.1	
230	628	962	737	440	514	461	84.3	12.4	81.0	43.6	32.9	
220	497	732	695	420	480	427	70.9		12.4	12.4	15.8	
210	398	521	617	386	407	356	58.2					
200	336	373	495	349	310	240	46.6					
190	300	301	380	308	225	140						
180	276	267	295	266	170	83.3						
170	261	245	251	226	135	60.1						
160	248	223	226	193	112	50.2						
150	233	202	204	164	95.2	45.0						
140	217	186	182	141	83.4	42.5						
130	189	169	159	124	76.2	40.9						
120	157	148	136	112	72.5	35.0						
110	110	39.4	51.6	62.1	25.1	12.4						

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO

60 W

23 JAN 1962

TIME	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100
Q _z KP	F0	0	0	0	F0	0	A0	S0	0	0	0	0
HMIN	260	232	239	239	200	198	199	110	109	109	107	105
SCAT	27.4	29.0	28.8	31.2	25.9	34.5	43.5	35.0	28.6	34.5	32.2	23.8
HMAXF	319	298	294	298	243	271	281	259	231	248	251	235
SHMAX	66	92	82	78	42	66	67	117	197	346	491	511
KM												
320	179											
310	175											
300	158	222	222	192				116				
290	129	217	221	189				116				
280	82.8	199	209	176		140		115				
270	40.5	172	184	152		140		115				
260	3.1	137	141	115		137		110				
250		82.9	81.0	73.4	130	127	102	172		489	775	
240		36.7	21.8	21.8	129	112	90.5	161	342	482	752	1027
230					121	88.3	76.3	145	341	454	692	1016
220					104	60.4	59.2	126	330	405	592	931
210					74.6	35.6	39.0	104	297	346	465	750
200					12.4	12.4	12.4	83.3	250	291	340	522
190								64.5	199	250	272	349
180								49.8	157	217	244	274
170								38.7	127	188	224	249
160								32.1	104	160	201	239
150								28.9	87.5	131	172	219
140								27.1	76.6	115	146	183
130								26.2	69.5	108	133	153
120								23.7	66.0	104	127	141
110								13.0	24.5	41.8	90.4	131

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO

60 W

23 JAN 1962

TIME	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
Q _z KP	A0	A0	0	0	0	0	A0	A0	0	0	0	0
HMIN	108	108	103	108	108	108		202	191	241	201	224
SCAT	38.0	33.0	35.8	38.7	39.7			25.6	94.3	44.3	36.9	47.1
HMAXF	234	228	232	238	242			249	324	331	278	314
SHMAX	392	356	356	323	237			97	126	90	99	93
KM												
340										156		
330										118	156	
320										118	154	156
310										117	148	156
300										116	138	152
290										114	122	146
280										111	99.4	204
270										107	73.0	201
260										104	48.2	192
250						358		297	99.5	26.8	174	67.9
240	527			489	442	357		289	93.7		144	43.0
230	525	515		489	437	350		257	86.6		104	21.7
220	510	507		476	417	330		199	78.3		65.9	
210	476	477		441	383	300		109	67.9		35.4	
200	427	423		394	335	258			53.2			
190	372	360		343	284	206						
180	320	307		297	242	155						
170	282	274		260	211	118						
160	254	249		233	187	88.7						
150	232	222		210	163	76.2						
140	219	199		186	139	70.9						
130	180	175		157	121	67.9						
120	152	149		136	108	66.2						
110	53.9	109		113	73.8	38.7						

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO

60 W

24 JAN 1962

TIME	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100
Q _z KP	0	0	0	0	0	A0	0	S0	0	0	0	1
HMIN	230	248	234	233	200	199	187	100	110	108	108	109
SCAT	31.8	36.5	33.2	28.5	29.0	38.4	41.4	47.1	40.4	27.5	32.1	25.3
HMAXF	316	337	302	292	248	278	257	273	252	244	244	223
SHMAX	95	129	106	87	70	99	50	158	303	361	463	336
KM												
340		242										
330		240										
320	193	229										
310	191	209	243									
300	181	184	243	229								
290	161	153	236	228								
280	136	111	218	219		188		181				
270	108	72.7	188	195		185		181				
260	78.2	40.2	144	156		177	90.7	177	426			
250	50.4	12.4	85.8	103	203	162	90.0	169	426	591	734	
240	27.7		34.7	37.6	199	141	86.9	158	417	587	730	
230	2.4				183	114	80.4	145	395	552	698	594
220					153	82.1	73.9	130	360	477	630	592
210					87.5	50.8	66.2	114	312	379	515	557
200					12.4	12.4	57.0	48.4	257	294	399	474
190							43.4	83.7	211	245	306	360
180								69.1	174	217	260	285
170								57.3	143	192	238	258
160								48.4	119	169	217	240
150								41.4	103	146	192	215
140								36.0	95.3	129	166	180
130								32.7	71.7	117	146	151
120								31.5	58.2	99.6	128	135
110								28.2	12.4	73.8	94.7	41.8
100								12.4				

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO

60 W

24 JAN 1962

TIME	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
Q _z KP	1	1	0	0	0	1	A1	A1	A0	A0	0	1
HMIN	108	108	108	109	108	109		191	247	242	201	239
SCAT	33.8	45.2	45.6	33.2	38.2	30.9		33.6	32.2	35.2	31.4	38.3
HMAXF	234	245	260	240	255	252		249	318	314	274	322
SHMAX	399	431	516	397	387	345		87	59	83	82	84
KM												
330										130	178	152
320										128	177	148
310										120	171	138
300										106	157	126
290										85.9	136	184
280										61.7	105	183
270			610							38.3	69.4	175
260			610			512	594			217	16.2	34.4
250			517	602	567	510	593					128
240	564	515	579	567	492	571						12.4
230	562	502	544	553	456	519				201		95.6
220	540	476	490	513	405	430				176		57.9
210	494	437	424	450	341	332				131		29.9
200	427	389	357	376	289	249				60.3		
190	363	338	305	315	250	190						
180	313	296	273	272	220	155						
170	279	269	252	243	193	128						
160	255	252	236	221	168	104						
150	231	235	220	198	141	88.6						
140	208	204	199	177	123	79.9						
130	163	168	156	158	114	74.9						
120	143	144	138	133	109	72.4						
110	100	82.1	53.9	64.7	79.1	29.7						

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 25 JAN 1962

TIME	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100
Q _{RP}	F1	1	F2	F2	F2	2	2	S2	0	A0	0	2
HMIN	271	237	220	211	210	190	199	110	109	109	108	109
SCAT	32.5	31.0	28.1	24.2	32.2	41.3	34.9	31.3	39.2	34.2	27.7	25.7
HMAXF	337	292	269	270	278	291	272	245	242	255	243	229
SHMAX	94	95	86	79	74	103	83	109	248	377	437	355
KM												
340	218											
330	216											
320	202											
310	180											
300	147	246				160						
290	95.9	246				160						
280	40.1	238		225	170	157	179					
270		217	257	225	167	149	179					
260		180	250	215	157	137	174			580		
250		121	227	186	139	122	162	183	374	577	772	
240		35.3	183	144	114	105	142	182	374	551	769	
230			83.3	85.3	77.4	87.6	112	173	366	501	728	633
220				37.5	38.6	71.2	75.8	154	345	427	634	612
210					3.9	55.8	40.7	130	312	339	484	542
200					40.5	12.4		103	266	268	349	432
190						12.4		79.2	217	220	275	326
180								59.1	169	182	243	268
170								45.9	131	144	222	242
160								36.6	105	121	198	211
150								31.7	93.0	108	165	173
140								29.1	80.6	101	141	152
130								27.7	58.3	96.9	131	141
120								25.8	52.4	92.4	120	133
110								12.4	25.1	33.8	78.7	33.2

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 25 JAN 1962

TIME	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
Q _{RP}	2	2	1	1	A1	2	A2	2	3	3	3	F1
HMIN	108	117	107	108	106	109		192	219	217	218	250
SCAT	48.5	48.0	34.6	51.5	34.4	28.0		38.8	41.6	38.5	30.0	43.9
HMAXF	247	276	256	259	256	244		256	316	308	286	347
SHMAX	417	528	439	411	448	347		109	130	139	124	118
KM												
350												196
340												194
330												189
320										224		177
310										222	258	141
300										215	255	141
290										202	244	293
280		583								182	224	290
270		581								155	195	270
260		567	541	461	651					234	124	157
250	487	541	538	457	645	621				233	88.4	112
240	484	503	520	445	614	619				224	56.4	72.8
230	471	448	485	421	555	584				208	31.1	41.8
220	447	392	432	393	463	510				180	6.4	16.2
210	414	347	374	359	369	410				137		18.4
200	374	311	323	317	297	313				80.0		
190	334	284	286	275	249	236						
180	301	264	259	244	219	188						
170	274	245	233	218	199	156						
160	251	218	205	191	183	133						
150	228	169	179	160	166	111						
140	168	151	162	135	143	94.0						
130	128	143	153	122	123	85.9						
120	121	77.1	138	116	114	81.7						
110	55.6		67.8	75.2	62.7	24.5						

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 26 JAN 1962

TIME	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100
Q _{RP}	F1	F1	1	F1	F1	A2	A2	S2	2	2	2	2
HMIN	235	220	204	210	215	209			109	108	106	109
SCAT	28.5	26.5	29.6	37.5	24.2	39.6			27.1	26.1	31.9	34.6
HMAXF	312	282	270	284	276	295			237	230	233	215
SHMAX	155	146	170	134	105	154			219	321	366	287
KM												
320	348											
310	348											
300	333							281				
290	297	409			279			281				
280	255	408			278	299	272					
270	200	388	450	269	294	253						
260	133	339	439	249	265	229						
250	68.8	262	401	221	220	199						
240	26.9	135	332	180	142	156			531		583	
230		47.8	199	111	70.8	97.1			521	627	581	
220		3.1	91.5	46.9	29.4	50.6			474	604	559	430
210			31.4	3.1		12.4			404	534	507	428
200									312	409	421	409
190									226	287	330	372
180									164	223	271	326
170									128	188	238	286
160									105	156	209	256
150									90.5	130	182	230
140									81.5	114	155	194
130									73.9	102	134	160
120									59.2	96.5	123	141
110									28.5	62.7	81.4	59.8

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 26 JAN 1962

TIME	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
Q _{RP}	2	2	A2	A2	A2	A2	S2	2	2	2	2	3
HMIN	107	108				109		190	198	253	229	198
SCAT	47.9	44.8				46.2		31.8	47.9	35.1	32.9	39.9
HMAXF	281	274				281		255	294	335	291	283
SHMAX	625	692				678		151	91	66	75	77
KM												
340											130	
330											129	
320											124	
310											113	
300										142	98.0	178
290	636					923				142	78.2	178
280	636	819				923				139	57.6	174
270	627	817				911				133	38.8	160
260	605	798				877				124	22.2	140
250	567	759				821				352	113	107
240	520	699				742				335	97.7	53.6
230	464	612				628				300	78.6	12.4
220	406	517				488				246	56.7	56.5
210	356	431				368				174	34.4	34.0
200	322	362				276				88.7	12.4	12.4
190	299	314				220				12.4		
180	282	285				186						
170	269	266				161						
160	256	248				140						
150	241	231				123						
140	222	212				108						
130	191	191				96.6						
120	156	155				90.3						
110	103	82.9				27.3						

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO

60 W

27 JAN 1962

TIME	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100
Q,KP	3	3	3	3	3	3	3	53	2	2	2	A1
HMIN	269	240	201	217	252	287	221	110	110	109	106	
SCAT	45.8	40.6	21.5	52.6	34.4	41.0	34.2	38.3	30.8	39.8	41.3	
HMAXF	353	319	256	315	325	376	301	259	239	247	256	
SHMAX	91	113	76	128	91	93	81	138	249	359	521	
KM												
380						163						
370						163						
360	162					158						
350	162					147						
340	159					133						
330	152					114						
320	142	214		194	194	89.8						
310	125	211		193	185	63.2	168					
300	102	202		190	168	39.1	168					
290	68.4	186		183	144	16.0	163					
280	36.3	165		173	113		152					
270	4.7	137			158	70.6	132					
260	96.0	247	136	32.8			104	215			678	
250	49.0	242	108				73.0	213		512	675	
240	3.1	212	75.9				44.9	203	442	508	653	
230			151	42.6			25.4	185	433	488	611	
220			79.2	16.2				158	400	454	550	
210			37.2					124	345	397	476	
200								93.7	271	329	398	
190								71.5	202	269	329	
180								55.3	151	221	277	
170								43.2	119	186	243	
160								34.7	97.7	156	216	
150								30.2	85.0	130	188	
140								28.2	79.4	113	164	
130								27.2	67.5	104	144	
120								23.4	59.9	100	130	
110								13.0	12.4	27.3	107	

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO

60 W

27 JAN 1962

TIME	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
Q,KP	A1	A1	A2	A2	A2	A3	A3	A3	A1	A1	1	1
HMIN			110		110				200	217	227	251
SCAT			44.6		44.1				43.2	50.2	36.3	37.7
HMAXF			265		267				267	325	314	324
SHMAX			621		563				128	108	105	117
KM												
330										160		243
320										159	206	242
310										156	205	235
300										150	198	218
290										141	183	194
280										127	161	160
270										257	109	127
260			804		744					255	87.8	90.1
250			801		739					247	65.9	58.6
240			780		717					232	47.7	34.5
230			738		678					209	32.2	15.8
220			677		613					173	15.4	
210			585		526					109		85.3
200			466		431					12.4		50.6
190			368		343							12.4
180			309		281							
170			274		236							
160			250		205							
150			229		180							
140			207		157							
130			184		139							
120			160		123							
110			134		112							
			12.4		12.4							

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO

60 W

28 JAN 1962

TIME	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100
Q,KP	1	1	2	A2	A2	F1	1	51	0	0	0	A1
HMIN	208	235	238	240	213	231	208		110	110	109	
SCAT	48.6	34.7	32.5	35.7	35.7	36.4	34.8		30.9	33.4	46.2	
HMAXF	315	322	305	305	298	313	273		236	244	266	
SHMAX	151	128	143	158	150	148	74		245	367	590	
KM												
330		253										271
320	224	253				284						269
310	223	245	338	346		284						255
300	218	226	337	344	306	275						228
290	208	199	321	331	302	255						176
280	194	163	290	303	285	226	170					103
270	176	120	239	263	257	191	170					192
260	155	78.4	165	202	216	151	165					22.0
250	128	45.2	71.1	128	159	103	152		567	717		118
240	95.3	20.2	17.2	12.4	98.1	42.7	131		428	565	680	65.3
230	61.3				53.6	94.4			424	542	626	28.0
220	35.6				26.0	47.0			399	495	535	
210	12.4					16.5			352	421	442	
200									282	342	362	
190									118	280	303	
180									166	233	264	
170									130	196	238	
160									105	167	213	
150									89.0	141	189	
140									80.4	122	164	
130									71.8	109	141	
120									65.1	100	127	
110									12.4	12.4	48.8	

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO

60 W

28 JAN 1962

TIME	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
Q,KP	A1	1	A1	1	1	1	51	A1	A1	A1	3	
HMIN	108	107	109	109	108	110	109	200			239	204
SCAT	29.4	37.3	52.7	40.3	29.8	36.7	29.5	36.7			31.8	40.5
HMAXF	241	243	276	268	248	261	251	277			295	284
SHMAX	465	449	577	595	440	469	265	139			106	122
KM												
300												271
290												269
280					580				271			255
270					578	779			268			228
260					566	771			256			176
250	714	591	544	741	747	732	572	233				103
240	713	590	511	686	734	688	554	202				192
230	687	573	472	603	679	616	502	165				22.0
220	621	534	431	504	580	505	416	119				118
210	519	474	392	407	454	384	289	69.9				65.3
200	423	403	358	337	342	283	164	12.4				28.0
190	355	345	327	291	269	217	95.0					
180	309	308	299	262	228	175	67.1					
170	276	277	273	240	199	148	52.2					
160	248	254	246	219	171	128	42.6					
150	219	234	218	196	147	113	38.0					
140	185	213	187	167	125	98.7	35.6					
130	148	177	154	138	113	85.9	34.5					
120	135	153	139	126	106	76.2	31.5					
110	108	98.5	24.5	33.3	38.7	12.4	23.1					

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 29 JAN 1962

TIME	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100
Q _{RP}	F3	F3	F1	1	F1	F2	2	S2	A3	3	3	A1
HMIN	219	233	230	258	221	201	115	108	109			
SCAT	37.2	32.5	28.0	32.5	26.8	45.7	35.6	36.8	49.1			
HMAXF	313	306	282	325	280	300	271	245	289			
SHMAX	111	125	99	98	116	130	158	407	786			
KM												
330					226							
320					224							
310	191				213							
300	186				192							
290	172		266	280	160	319	203		923			
280	157		238	280	113	319	196	259	916			
270	139		198	268	61.8	307	184	259	890			
260	119		140	239	20.5	273	167	253	843			
250	91.6		73.5	184		221	146	235	575	781		
240	56.8		31.1	97.6		141	122	209	572	688		
230	31.1		12.4			51.4	94.1	176	551	575		
220	6.4					61.0	139		506	468		
210						31.0	102		454	380		
200							72.9		388	321		
190							52.6		325	282		
180							38.7		270	256		
170							30.7		226	236		
160							192	215	142	215		
150							24.3		164	191		
140							23.0		142	167		
130							21.6		125	146		
120							17.9		109	124		
110									66.6	41.8		

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 29 JAN 1962

TIME	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
Q _{RP}	A1	A1	A0	A0	0	A2	A2	2	3	A3	S3	2
HMIN	109	109	109	110	107			202	200	230	199	208
SCAT	31.2	35.8	39.3	39.3	36.6			38.5	39.2	28.9	31.7	40.6
HMAXF	260	257	253	263	251			282	269	300	291	306
SHMAX	690	591	479	457	363			279	198	122	156	155
KM												
310										293		266
300										293	284	265
290								567		284	284	256
280								566		257	278	240
270					580			552	411	214	263	214
260	1110	804	648	579	539			519	405	157	237	181
250	1083	797	647	564	539			465	386	99.6	205	144
240	997	761	631	529	526			377	354	43.2	164	107
230	859	692	595	477	493			269	302	3.1	117	71.9
220	676	602	536	412	440			139	223		79.6	39.9
210	503	508	455	354	376			50.4	127		49.5	12.4
200	387	429	376	305	302							
190	325	367	317	266	238				12.4		12.4	
180	289	319	275	236	191							
170	263	283	248	213	157							
160	242	253	226	190	132							
150	218	221	196	165	112							
140	188	186	154	141	97.9							
130	161	165	135	118	91.8							
120	143	145	127	109	78.2							
110	29.7	41.8	30.3	12.4	56.1							

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 30 JAN 1962

TIME	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100
Q _{RP}	2	2	2	A2	2	2	2	S2	2	2	2	2
HMIN	222	219	221	209	227	233	219		108	107	108	107
SCAT	34.2	33.2	32.2	39.3	37.9	39.7	41.3		28.5	34.1	29.7	47.5
HMAXF	299	287	296	285	303	315	312		247	249	240	256
SHMAX	128	112	126	137	144	181	184		326	534	594	610
KM												
320						338	325					
310						295	337	324				
300	270		279			294	326	318				
290	265	258	276	279	286	303	301					
280	249	255	262	278	268	273	275					
270	222	241	233	268	237	230	240					
260	185	216	194	252	194	175	195				775	
250	137	175	142	220	133	114	145		564	894	772	
240	78.1	117	82.2	174	65.5	47.8	87.0		555	878	898	754
230	36.4	54.2	38.3	111	21.6		41.8		513	823	874	718
220		12.4		49.7		12.4			440	727	804	666
210									359	574	651	589
200									285	428	484	490
190									223	319	353	397
180									172	252	282	321
170									138	213	247	273
160									112	180	221	247
150									92.9	153	194	226
140									80.4	131	168	198
130									75.4	115	145	167
120									60.6	106	130	145
110									51.8	90.4	54.4	112

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 30 JAN 1962

TIME	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
Q _{RP}	2	2	1	1	A1	A1	A1	1	S1	1	1	S1
HMIN	103	108	107	108	108	108	110	200	222	249	224	210
SCAT	58.0	36.6	52.1	36.1	33.3	31.4	32.3	27.3	38.7	48.6	35.3	42.7
HMAXF	259	260	273	255	258	249	243	249	298	339	308	292
SHMAX	544	578	672	530	472	440	231	111	73	100	106	119
KM												
340										163		
330										161		
320										156		
310										149	215	
300										142	136	211
290										140	117	202
280					740					134	92.2	182
270					740					123	65.1	152
260	575	747	728	740	675					107	39.3	114
250	571	734	703	736	666	819	450	326	86.7	12.4	72.5	163
240	559	694	669	707	627	803	449	317	61.2		43.6	139
230	537	625	611	652	558	745	431	287	32.1		21.7	103
220	509	538	543	560	466	636	393	223				47.8
210	473	450	471	457	383	452	331	124				3.1
200	431	376	402	369	316	317	242	12.4				
190	382	325	346	311	270	231	155					
180	334	294	302	273	238	184	94.5					
170	292	272	268	247	214	154	64.5					
160	263	256	241	226	191	131	52.9					
150	240	242	215	205	167	113	47.0					
140	207	224	193	184	146	99.6	44.1					
130	167	180	181	163	127	92.8	41.2					
120	143	147	143	132	113	84.2	34.0					
110	134	116	117	49.1	66.6	39.4	13.0					

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO

60 W

31 JAN 1962

TIME	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100
Q _z KP	1	1	F0	F0	0	F0	0	50	0	0	0	0
HMIN	230	259	239	228	201	209	216		108	108	105	108
SCAT	35.2	30.0	28.2	30.0	36.7	41.1	37.6		30.0	35.8	34.1	32.2
HMAXF	321	319	307	292	281	278	291		228	241	243	241
SHMAX	115	91	106	94	109	84	65		237	357	434	466
KM												
330	215											
320	215	236										
310	210	231	258									
300	195	211	254	234			129					
290	174	179	234	234	224		129					
280	150	126	202	225	224	170	126					
270	119	54.4	160	203	219	168	118					
260	80.7	12.4	107	171	205	161	107					
250	51.4		49.7	119	184	149	92.0		531	645	704	
240	28.2		12.4	49.3	151	134	70.5		531	643	703	
230	1.9			16.8	109	109	44.0	430	520	620	682	
220					61.6	55.9	18.8	422	486	571	627	
210					31.0	12.4		391	435	484	534	
200								335	365	393	433	
190								265	294	323	350	
180								198	241	273	296	
170								147	205	238	263	
160								116	176	209	239	
150								96.6	152	182	215	
140								88.1	132	156	190	
130								77.3	121	137	166	
120								62.1	103	128	148	
110								37.6	60.4	99.4	82.9	

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO

60 W

31 JAN 1962

TIME	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
Q _z KP	0	0	0	0	0	A0	50	0	0	0	F0	F0
HMIN	108	107	108	109	109	109	110	200	206	229	240	211
SCAT	37.4	58.8	36.4	44.4	40.2	35.9	24.3	27.5	48.6	38.5	27.8	26.9
HMAXF	237	264	235	261	255	250	244	247	311	316	306	274
SHMAX	426	563	406	546	436	382	255	110	132	109	90	85
KM												
320									195	206		
310									195	205	229	
300									192	197	226	
290									185	183	209	
280									174	161	181	226
270		594		701					159	133	139	224
260		593		700	583				141	97.9	84.2	210
250		586		690	581	607	602	325	120	59.4	40.6	180
240	594	570	567	662	563	596	597	320	94.9	33.4	3.9	135
230	588	545	564	619	527	561	545	295	66.2	4.7		77.6
220	561	513	543	542	474	503	456	245	41.2			37.9
210	515	468	502	451	407	419	322	155	18.4			
200	442	409	437	367	341	322	196	31.1				
190	368	355	370	306	288	244	115					
180	312	312	312	266	246	193	80.7					
170	278	279	271	238	214	160	63.4					
160	254	252	245	216	186	134	53.6					
150	229	229	225	193	161	113	45.8					
140	198	205	204	169	139	96.8	39.9					
130	157	171	176	153	121	85.8	36.7					
120	140	142	152	132	112	80.3	33.7					
110	81.5	121	81.2	57.7	24.1	37.2	19.7					

TIME	RAHEY AFB, PUERTO RICO										RAHEY AFR, PUERTO RICO										RAHEY AFB, PUERTO RICO									
	AVERAGE ELECTRON DENSITY										AVERAGE ELECTRON DENSITY										AVERAGE ELECTRON DENSITY									
0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300							
COUNT	28	27	31	29	30	29	29	29	24	26	14	18	18	23	24	25	20	8	28	29	29	29	29							
HM1N	230	232	228	220	220	221	213	106	110	108	108	103	109	108	109	103	111	199	215	225	220	214	214							
RATIO	6.6	7.7	8.8	9.9	11.0	12.1	13.2	14.3	15.4	16.5	17.6	18.7	19.8	20.9	22.0	23.1	24.2	25.3	26.4	27.5	28.6	29.7	30.8							
SCAT	37.7	35.2	32.7	30.3	27.8	25.4	23.0	20.6	18.2	15.8	13.4	11.0	8.6	6.2	3.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
NMAX	180	215	248	281	314	347	380	413	446	479	512	545	578	611	644	677	710	743	776	809	842	875	908							
HM3AF	312	310	297	281	266	250	234	218	202	186	170	154	138	122	106	90	74	58	42	26	10	0	0							
SHMAX	92	100	106	98	98	93	90	87	84	81	78	75	72	69	66	63	60	57	54	51	48	45	42							
SHMIN	599	706	805	895	985	1075	1165	1255	1345	1435	1525	1615	1705	1795	1885	1975	2065	2155	2245	2335	2425	2515	2605							
COUNT	12	12	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34							
HM1N	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145							
HM2N	230	232	234	236	238	240	242	244	246	248	250	252	254	256	258	260	262	264	266	268	270	272	274							
RATIO	6.6	7.7	8.8	9.9	11.0	12.1	13.2	14.3	15.4	16.5	17.6	18.7	19.8	20.9	22.0	23.1	24.2	25.3	26.4	27.5	28.6	29.7	30.8							
SCAT	37.7	35.2	32.7	30.3	27.8	25.4	23.0	20.6	18.2	15.8	13.4	11.0	8.6	6.2	3.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
NMAX	180	215	248	281	314	347	380	413	446	479	512	545	578	611	644	677	710	743	776	809	842	875	908							
HM3AF	312	310	297	281	266	250	234	218	202	186	170	154	138	122	106	90	74	58	42	26	10	0	0							
SHMAX	92	100	106	98	98	93	90	87	84	81	78	75	72	69	66	63	60	57	54	51	48	45	42							
SHMIN	599	706	805	895	985	1075	1165	1255	1345	1435	1525	1615	1705	1795	1885	1975	2065	2155	2245	2335	2425	2515	2605							
COUNT	12	12	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34							
HM1N	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145							
HM2N	230	232	234	236	238	240	242	244	246	248	250	252	254	256	258	260	262	264	266	268	270	272	274							
RATIO	6.6	7.7	8.8	9.9	11.0	12.1	13.2	14.3	15.4	16.5	17.6	18.7	19.8	20.9	22.0	23.1	24.2	25.3	26.4	27.5	28.6	29.7	30.8							
SCAT	37.7	35.2	32.7	30.3	27.8	25.4	23.0	20.6	18.2	15.8	13.4	11.0	8.6	6.2	3.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
NMAX	180	215	248	281	314	347	380	413	446	479	512	545	578	611	644	677	710	743	776	809	842	875	908							
HM3AF	312	310	297	281	266	250	234	218	202	186	170	154	138	122	106	90	74	58	42	26	10	0	0							
SHMAX	92	100	106	98	98	93	90	87	84	81	78	75	72	69	66	63	60	57	54	51	48	45	42							
SHMIN	599	706	805	895	985	1075	1165	1255	1345	1435	1525	1615	1705	1795	1885	1975	2065	2155	2245	2335	2425	2515	2605							
COUNT	12	12	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34							
HM1N	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145							
HM2N	230	232	234	236	238	240	242	244	246	248	250	252	254	256	258	260	262	264	266	268	270	272	274							
RATIO	6.6	7.7	8.8	9.9	11.0	12.1	13.2	14.3	15.4	16.5	17.6	18.7	19.8	20.9	22.0	23.1	24.2	25.3	26.4	27.5	28.6	29.7	30.8							
SCAT	37.7	35.2	32.7	30.3	27.8	25.4	23.0	20.6	18.2	15.8	13.4	11.0	8.6	6.2	3.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
NMAX	180	215	248	281	314	347	380	413	446	479	512	545	578	611	644	677	710	743	776	809	842	875	908							
HM3AF	312	310	297	281	266	250	234	218	202	186	170	154	138	122	106	90	74	58	42	26	10	0	0							
SHMAX	92	100	106	98	98	93	90	87	84	81	78	75	72	69	66	63	60	57	54	51	48	45	42							
SHMIN	599	706	805	895	985	1075	1165	1255	1345	1435	1525	1615	1705	1795	1885	1975	2065	2155	2245	2335	2425	2515	2605							
COUNT	12	12	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34							
HM1N	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145							
HM2N	230	232	234	236	238	240	242	244	246	248	250	252	254	256	258	260	262	264	266	268	270	272	274							
RATIO	6.6	7.7	8.8	9.9	11.0	12.1	13.2	14.3	15.4	16.5	17.6	18.7	19.8	20.9	22.0	23.1	24.2	25.3	26.4	27.5	28.6	29.7	30.8							
SCAT	37.7	35.2	32.7	30.3	27.8	25.4	23.0	20.6	18.2	15.8	13.4	11.0	8.6	6.2	3.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
NMAX	180	215	248	281	314	347	380	413	446	479	512	545	578	611	644	677	710	743	776	809	842	875	908							
HM3AF	312	310	297	281	266	250	234	218	202	186	170	154	138	122	106	90	74	58	42	26	10	0	0							
SHMAX	92	100	106	98	98	93	90	87	84	81	78	75	72	69	66	63	60	57	54	51	48	45	42							
SHMIN	599	706	805	895	985	1075	1165	1255	1345	1435	1525	1615	1705	1795	1885	1975	2065	2155	2245	2335	2425	2515	2605							
COUNT	12	12	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34							
HM1N	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145							
HM2N	230	232	234	236	238	240	242	244	246	248	250	252	254	256	258	260	262	264	266	268	270	272	274							
RATIO	6.6	7.7	8.8	9.9	11.0	12.1	13.2	14.3	15.4	16.5	17.6	18.7	19.8	20.9	22.0	23.1	24.2	25.3	26.4	27.5	28.6	29.7	30.8							
SCAT	37.7	35.2	32.7	30.3	27.8	25.4	23.0	20.6	18.2	15.8	13.4	11.0	8.6	6.2	3.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
NMAX	180	215	248	281	314	347	380	413	446	479	512	545	578	611	644	677	710	743	776	809	842	875	908							
HM3AF	312	310	297	281	266	250	234	218	202	186	170	154	138	122	106	90	74	58	42	26	10	0	0							
SHMAX	92	100	106	98	98	93	90	87	84	81	78	75	72	69	66	63	60	57	54	51	48	45	42							
SHMIN	599	706	805	895	985	1075	1165	1255	1345	1435	1525	1615	1705	1795	1885	1975	2065	2155	2245	2335	2425	2515	2605							
COUNT	12	12	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34							
HM1N	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145							
HM2N	230	232	234	236	238	240	242	244	246	248	250	252	254	256	258	260	262	264	266	268	270	272	274							
RATIO	6.6	7.7	8.8	9.9	11.0	12.1	13.2	14.3	15.4	16.5	17.6	18.7	19.8	20.9	22.0	23.1	24.2	25.3	26.4	27.5	28.6	29.7	30.8							
SCAT	37.7	35.2	32.7	30.3	27.8	25.4	23.0	20.6	18.2	15.8	13.4	11.0	8.6	6.2	3.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
NMAX	180	215	248	281	314	347	380	413	446	479	512	545	578	611	644	677	710	743	776	809	842	875	908							
HM3AF	312	310	297	281	266	250	234	218	202	186	170	154	138	122	106	90	74	58	42	26	10	0	0							
SHMAX	92	100	106	98	98	93	90	87	84	81	78	75	72	69	66	63	60	57	54	51	48	45	42							
SHMIN	599	706	805	895	985	1075	1165	1255	1345	1435	1525	1615	1705	1795	1885	1975	2065	2155	2245	2335	2425	2515	26							

TABLES OF IONOSPHERIC DATA

TABLE 1

FAIRBANKS, ALASKA (64-9N, 147-8W)

[illegible]

TABLE 2

ANCHORAGE, ALASKA (61.2N, 149.9W)

[illegible]

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS*

SWEEP 1.0 MC TO 26.0 MC IN 13.5 SECONDS.

SEPTEMBER, 1961

TABLE 3

HUANCAYO, PERU 112-05, 75-3W1

[illegible]

TABLE 4

POINT BARROW. ALASKA 1913-14. 154-854

		POINT BARROW, ALASKA 171.3N, 156.8W																TIME 1500-							
HOUR		00	01	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	37	40	254	40	38	40	37	39	425	505	55	60	66	74	76	675	53	415	354	40	345	435	37
	CNT	5	9	9	5	11	8	4	9	6	14	18	19	19	21	24	24	28	21	12	14	13	6	6	47
	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
	LO	26	29	30	28	30	32	35	32	32	36	38	43	45	54	58	60	49	40	31	29	30	27	36	35
h'F2	MED																								
	CNT																								
h'F	MED																								
	CNT																								
	U																								
	LO																								
fmin3000F2	MED	34	29	275	280	260	260	2574	U	2725	280	295	300	300	300	300	300	300	310	295	290	300	305	285	U
	CNT	7	9	9	7	11	5	3	8	6	13	18	19	19	21	24	24	23	20	12	12	13	6	30	
	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
	LO	300	310	300	285	285	260	284	230	210	275	295	290	290	290	290	295	295	290	300	280	280	295	275	270
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
h'E3000	MED	585	45	44	374	31	26	32	35	35	35	31													
	CNT	26	25	26	24	25	23	24	24	19	20	22	22	21	21	24	24	26	25	22	17	27	27	26	26

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

[illegible]

NOVEMBER, 1960

TABLE 5
CONTAMINANT SCREENING AND CUMULATIVE RISK

GQQHAVN, GREENLAND 169.3N, 53.5W1

[illegible]

TABLE 7

GRAND BAHAMA I. 126.6N, 78.2W)

HOUR	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
f6F2	MEO	46	45	44	42	40	39	425	711	20	104	135	111	133	134	114	124	100	0	0	0	56	525	50	53
	CNT	26	28	27	27	26	26	29	27	26	25	24	25	26	26	27	26	27	27	27	26	28	26	27	
	LO	54	57	50	48	44	44	46	75	98	114	120	122	120	123	121	120	112	67	69	70	59	57	56	
	UO	40	40	39	38	37	34	38	68	84	93	108	106	110	110	106	92	90	81	70	58	48	45	45	
	MEO	2475	260	255	250	249	248	247	246	245	244	243	242	241	240	239	238	237	236	235	234	233	232	231	
hF2	MEO	2475	260	255	250	249	248	247	246	245	244	243	242	241	240	239	238	237	236	235	234	233	232	231	
	CNT	26	28	27	27	26	26	29	27	26	25	24	25	26	26	27	26	27	27	27	26	28	26	27	
	LO	54	57	50	48	44	44	46	75	98	114	120	122	120	123	121	120	112	67	69	70	59	57	56	
	UO	40	40	39	38	37	34	38	68	84	93	108	106	110	110	106	92	90	81	70	58	48	45	45	
	MEO	2475	260	255	250	249	248	247	246	245	244	243	242	241	240	239	238	237	236	235	234	233	232	231	
hF	MEO	2475	260	255	250	249	248	247	246	245	244	243	242	241	240	239	238	237	236	235	234	233	232	231	
	CNT	26	28	27	27	26	26	29	27	26	25	24	25	26	26	27	26	27	27	27	26	28	26	27	
	LO	54	57	50	48	44	44	46	75	98	114	120	122	120	123	121	120	112	67	69	70	59	57	56	
	UO	40	40	39	38	37	34	38	68	84	93	108	106	110	110	106	92	90	81	70	58	48	45	45	
	MEO	2475	260	255	250	249	248	247	246	245	244	243	242	241	240	239	238	237	236	235	234	233	232	231	
(M3000)F2	MEO	305	310	300	290	380	380	290	330	335	325	325	330	315	310	312	310	312	315	330	330	325	300	3345	
	CNT	24	25	22	23	20	22	23	25	12	12	18	34	17	17	16	14	12	11	18	16	310	310	315	
	LO	320	315	315	310	290	290	300	335	340	330	335	330	320	320	320	315	325	330	335	320	310	315		
	UO	290	300	285	275	270	270	280	315	330	320	310	315	305	300	300	300	300	300	315	290	295	280	290	
	MEO	305	310	300	290	380	380	290	330	335	325	325	330	315	310	312	310	312	315	330	330	325	300	3345	
f6F1	MEO	305	310	300	290	380	380	290	330	335	325	325	330	315	310	312	310	312	315	330	330	325	300	3345	
	CNT	24	25	22	23	20	22	23	25	12	12	18	34	17	17	16	14	12	11	18	16	310	310	315	
	LO	320	315	315	310	290	290	300	335	340	330	335	330	320	320	320	315	325	330	335	320	310	315		
	UO	290	300	285	275	270	270	280	315	330	320	310	315	305	300	300	300	300	300	315	290	295	280	290	
	MEO	305	310	300	290	380	380	290	330	335	325	325	330	315	310	312	310	312	315	330	330	325	300	3345	
f6E	MEO	305	310	300	290	380	380	290	330	335	325	325	330	315	310	312	310	312	315	330	330	325	300	3345	
	CNT	24	25	22	23	20	22	23	25	12	12	18	34	17	17	16	14	12	11	18	16	310	310	315	
	LO	320	315	315	310	290	290	300	335	340	330	335	330	320	320	320	315	325	330	335	320	310	315		
	UO	290	300	285	275	270	270	280	315	330	320	310	315	305	300	300	300	300	300	315	290	295	280	290	
	MEO	305	310	300	290	380	380	290	330	335	325	325	330	315	310	312	310	312	315	330	330	325	300	3345	
f6E4	MEO	27	27	27	28	27	26	28	29	26	24	23	20	27	24	24	33	32	30	21	21	185	26	27	
	CNT	27	27	27	28	27	26	28	29	26	24	23	20	27	24	24	33	32	30	21	21	185	26	27	
	LO	27	27	27	28	27	26	28	29	26	24	23	20	27	24	24	33	32	30	21	21	185	26	27	
	UO	27	27	27	28	27	26	28	29	26	24	23	20	27	24	24	33	32	30	21	21	185	26	27	
	MEO	27	27	27	28	27	26	28	29	26	24	23	20	27	24	24	33	32	30	21	21	185	26	27	

TABLE 6

NARSSARSSUAQ, GREENLAND 161.2N, 45.4W1

hour		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
f ₆ F ₂	MED	U ₄₅	U ₄₅	U ₄₅	U ₄₅	U ₄₅	U ₄₅	U ₄₅	U ₄₅	U ₄₅	U ₄₅	U ₄₅	U ₄₅	U ₄₅	U ₄₅	U ₄₅	U ₄₅	U ₄₅	U ₄₅	U ₄₅	U ₄₅	U ₄₅	U ₄₅	U ₄₅	
	CNT	5	4	3	1	4	6	7	20	22	23	24	24	23	19	17	15	11	13	9	7	7	7	7	8
	UO	50	48	40	41	40	47	44	41	34	69	78	90	98	101	97	98	92	78	58	60	48	57	50	
	LO	38	38	38	38	32	30	28	30	38	51	60	72	76	75	71	70	64	49	40	38	34	30	33	
n'F ₂	MED																								
	CNT																								
	UO																								
	LO																								
n'F	MED																								
	CNT																								
	UO																								
	LO																								
(W3000)F ₂	MED																								
	CNT																								
	UO																								
	LO																								
f ₆ F ₁	MED																								
	CNT																								
	UO																								
	LO																								
f ₆ E	MED																								
	CNT																								
	UO																								
	LO																								
n'E	MED																								
	CNT																								
	UO																								
	LO																								
f ₆ E ₄	MED																								
	CNT																								
	UO																								
	LO																								

TABLE 8

MAUI, HAWAII (20.8N, 156.5W)

[illegible]

TABLE 10

LA PAZ, BOLIVIA 116, 5S, 68, 1W)

hour	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
f6 F2 MEO CNT LD	U	955	775	U	67	68	67	935	0	110	118	20	115	20	25	25	130	124	126	116	100	0	U	0
	U	12	13	18	19	20	24	24	24	24	25	25	24	25	25	25	130	124	126	116	100	0	U	
	U	2	62	77	68	74	98	116	126	130	125	124	124	130	130	130	136	135	132	120	110	90	98	
	U	74	65	49	62	90	108	111	113	103	106	108	110	110	110	110	110	106	110	92	87	73	83	
	U	2	62	77	68	74	98	116	126	130	125	124	124	130	130	130	136	135	132	120	110	90	98	
h' F2 MEO CNT LD	U	315	285	2625	250	235	230	355	240	230	420	215	210	205	200	210	215	220	240	260	295	3875	415	410
	U	12	13	18	19	20	24	24	24	24	25	25	24	25	25	25	25	25	25	26	16	9	0	
	U	2	62	77	68	74	98	116	126	130	125	124	124	130	130	130	136	135	132	120	110	90	98	
	U	74	65	49	62	90	108	111	113	103	106	108	110	110	110	110	110	106	110	92	87	73	83	
	U	2	62	77	68	74	98	116	126	130	125	124	124	130	130	130	136	135	132	120	110	90	98	
h' F2 MEO CNT LD	U	315	285	2625	250	235	230	355	240	230	420	215	210	205	200	210	215	220	240	260	295	3875	415	410
	U	12	13	18	19	20	24	24	24	24	25	25	24	25	25	25	25	25	25	26	16	9	0	
	U	2	62	77	68	74	98	116	126	130	125	124	124	130	130	130	136	135	132	120	110	90	98	
	U	74	65	49	62	90	108	111	113	103	106	108	110	110	110	110	110	106	110	92	87	73	83	
	U	2	62	77	68	74	98	116	126	130	125	124	124	130	130	130	136	135	132	120	110	90	98	
h' F2 MEO CNT LD	U	315	285	2625	250	235	230	355	240	230	420	215	210	205	200	210	215	220	240	260	295	3875	415	410
	U	12	13	18	19	20	24	24	24	24	25	25	24	25	25	25	25	25	25	26	16	9	0	
	U	2	62	77	68	74	98	116	126	130	125	124	124	130	130	130	136	135	132	120	110	90	98	
	U	74	65	49	62	90	108	111	113	103	106	108	110	110	110	110	110	106	110	92	87	73	83	
	U	2	62	77	68	74	98	116	126	130	125	124	124	130	130	130	136	135	132	120	110	90	98	
h' F2 MEO CNT LD	U	315	285	2625	250	235	230	355	240	230	420	215	210	205	200	210	215	220	240	260	295	3875	415	410
	U	12	13	18	19	20	24	24	24	24	25	25	24	25	25	25	25	25	25	26	16	9	0	
	U	2	62	77	68	74	98	116	126	130	125	124	124	130	130	130	136	135	132	120	110	90	98	
	U	74	65	49	62	90	108	111	113	103	106	108	110	110	110	110	110	106	110	92	87	73	83	
	U	2	62	77	68	74	98	116	126	130	125	124	124	130	130	130	136	135	132	120	110	90	98	
h' F2 MEO CNT LD	U	315	285	2625	250	235	230	355	240	230	420	215	210	205	200	210	215	220	240	260	295	3875	415	410
	U	12	13	18	19	20	24	24	24	24	25	25	24	25	25	25	25	25	25	26	16	9	0	
	U	2	62	77	68	74	98	116	126	130	125	124	124	130	130	130	136	135	132	120	110	90	98	
	U	74	65	49	62	90	108	111	113	103	106	108	110	110	110	110	110	106	110	92	87	73	83	
	U	2	62	77	68	74	98	116	126	130	125	124	124	130	130	130	136	135	132	120	110	90	98	
h' F2 MEO CNT LD	U	315	285	2625	250	235	230	355	240	230	420	215	210	205	200	210	215	220	240	260	295	3875	415	410
	U	12	13	18	19	20	24	24	24	24	25	25	24	25	25	25	25	25	25	26	16	9	0	
	U	2	62	77	68	74	98	116	126	130	125	124	124	130	130	130	136	135	132	120	110	90	98	
	U	74	65	49	62	90	108	111	113	103	106	108	110	110	110	110	110	106	110	92	87	73	83	
	U	2	62	77	68	74	98	116	126	130	125	124	124	130	130	130	136	135	132	120	110	90	98	
h' F2 MEO CNT LD	U	315	285	2625	250	235	230	355	240	230	420	215	210	205	200	210	215	220	240	260	295	3875	415	410
	U	12	13	18	19	20	24	24	24	24	25	25	24	25	25	25	25	25	25	26	16	9	0	
	U	2	62	77	68	74	98	116	126	130	125	124	124	130	130	130	136	135	132	120	110	90	98	
	U	74	65	49	62	90	108	111	113	103	106	108	110	110	110	110	110	106	110	92	87	73	83	
	U	2	62	77	68	74	98	116	126	130	125	124	124	130	130	130	136	135	132	120	110	90	98	
h' F2 MEO CNT LD	U	315	285	2625	250	235	230	355	240	230	420	215	210	205	200	210	215	220	240	260	295	3875	415	410
	U	12	13	18	19	20	24	24	24	24	25	25	24	25	25	25	25	25	25	26	16	9	0	
	U	2	62	77	68	74	98	116	126	130	125	124	124	130	130	130	136	135	132	120	110	90	98	
	U	74	65	49	62	90	108	111	113	103	106	108	110	110	110	110	110	106	110	92	87	73	83	
	U	2	62	77	68	74	98	116	126	130	125	124	124	130	130	130	136	135	132	120	110	90	98	
h' F2 MEO CNT LD	U	315	285	2625	250	235	230	355	240	230	420	215	210	205	200	210	215	220	240	260	295	3875	415	410
	U	12	13	18	19	20	24	24	24	24	25	25	24	25	25	25	25	25	25	26	16	9	0	
	U	2	62	77	68	74	98	116	126	130	125	124	124	130	130	130	136	135	132	120	110	90	98	
	U	74	65	49	62	90	108	111	113	103	106	108	110	110	110	110	110	106	110	92	87	73	83	
	U	2	62	77	68	74	98	116	126	130	125	124	124	130	130	130	136	135	132	120	110	90	98	
h' F2 MEO CNT LD	U	315	285	2625	250	235	230	355	240	230	420	215	210	205	200	210	215	220	240	260	295	3875	415	410
	U	12	13	18	19	20	24	24	24	24	25	25	24	25	25	25	25	25	25	26	16	9	0	
	U	2	62	77	68	74	98	116	126	130	125	124	124	130	130	130	136	135	132	120	110	90	98	
	U	74	65	49	62	90	108	111	113	103	106	108	110	110	110	110	110	106	110	92	87	73	83	
	U	2	62	77	68	74	98	116	126	130	125	124	124	130	130	130	136	135	132	120	110	90	98	
h' F2 MEO CNT LD	U	315	285	2625	250	235	230	355	240	230	420	215	210	205	200	210	215	220	240	260	295	3875	415	410
	U	12	13	18	19	20	24	24	24	24	25	25	24	25	25	25	25	25	25	26	16	9	0	
	U	2	62	77	68	74	98	116	126	130	125	124	124	130	130	130	136	135	132	120	110	90	98	
	U	74	65	49	62	90	108	111	113	103	106	108	110	110	110	110	110	106	110	92	87	73	83	
	U	2	62	77	68	74	98	116	126	130	125	124	124	130	130	130	136	135	132	120	110	90	98	
h' F2 MEO CNT LD	U	315	285	2625	250	235	230	355	240	230	420	215	210	205	200	210	215	220	240	260	295	3875	415	410
	U	12	13	18	19	20	24	24	24	24	25	25	24	25	25	25	25	25	25	26	16	9	0	
	U	2	62	77	68	74	98	116	126	130	125	124	124	130	130	130	136	135	132	120	110	90	98	
	U	74	65	49	62	90	108	111	113	103	106	108	110	110	110	110	110	106	110	92	87	73	83	
	U	2	62	77	68	74	98	116	126	130	125	124	124	130	130	130	136	135	132	120	110	90	98	
h' F2 MEO CNT LD	U	315	285	2625	250	235	230	355	240	230	420	215	210	205	200	210	215	220	240	260	295	3875	415	410
	U	12	13	18	19	20	24	24	24	24	25	25	24	25	25	25	25	25	25	26	16	9	0	

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

NOVEMBER, 1960

TABLE 12

RAYED STATION 180.05, 120.0W)

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
f6F2	MEO	515	U	54	595	58	57	53	595	58	61	635	65	73	76	74	66	635	59	595	625	675	575	65
	LD	62	65	71	68	63	62	65	66	66	68	74	75	79	84	80	71	68	66	71	70	71	70	
	UO	44	49	48	50	52	53	49	52	54	56	58	62	68	65	55	56	50	52	55	53	52	57	
	N'F2	MEO	350	U	400	3625	340	315	290	370	370	3325	347	335	350	325	335	U	335	3525	3375	375	365	350
	LD	320	355	366	377	3	3	366	357	348	355	11	10	12	16	15	31	32	38	42	40	37	36	
	UO	370	355	345	300	370	290	265	285	300	300	315	310	290	315	295	305	325	310	320	335	310	340	
N'F	MEO	270	U	265	2	2	1	4	245	262	250	2425	240	245	230	2375	2425	260	255	280	270	260	2775	310
	LD	295	250	255	280	265	260	255	250	255	250	255	255	250	255	255	260	280	285	285	295	350	360	
	UO	250	420	435	450	440	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	
	(M3000)F2	MEO	270	U	265	275	275	255	255	260	260	260	260	260	260	275	275	275	275	275	275	275	275	
	LD	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	
	UO	255	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	
f6F1	MEO	3	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
	LD	295	250	255	280	265	260	255	250	255	250	255	250	255	250	255	260	280	285	285	295	350	360	
	UO	250	420	435	450	440	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	
	f6E	MEO	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
	LD	295	250	255	280	265	260	255	250	255	250	255	250	255	250	255	260	280	285	285	295	350	360	
	UO	250	420	435	450	440	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	
N'E	MEO	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
	LD	295	250	255	280	265	260	255	250	255	250	255	250	255	250	255	260	280	285	285	295	350	360	
	UO	250	420	435	450	440	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	
	f6E1	MEO	17	18	15	10	10	11	13	12	15	18	19	18	20	19	17	17	18	17	20	19	17	16
	LD	295	250	255	280	265	260	255	250	255	250	255	250	255	250	255	260	280	285	285	295	350	360	
	UO	250	420	435	450	440	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

NOVEMBER, 1960

TABLE 9

RAGUITO, P. I. 116.4N, 120.6E)

[illegible]

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS.

NOVEMBER, 1960

TABLE 11

CONCEPCION, CHILE (36.6S, 73.0W)

[illegible]

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS

NOVEMBER, 1960

TABLE 14

COPENHAGEN, GREENLAND (69.3N, 53.5W)

	HOUR	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
f6F2	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	CNT	39	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
	LO	45	37	38	41	42	39	37	38	48	65	77	88	73	72	64	61	60	61	59	57	58	63	58	51
	LO	36	31	30	28	30	30	29	34	42	42	40	54	49	48	46	47	48	50	46	45	40	46	40	39
	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
f'F2	CNT	39	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
	LO	45	37	38	41	42	39	37	38	48	65	77	88	73	72	64	61	60	61	59	57	58	63	58	51
	LO	36	31	30	28	30	30	29	34	42	42	40	54	49	48	46	47	48	50	46	45	40	46	40	39
	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	CNT	39	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
f'F	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	CNT	39	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
	LO	45	37	38	41	42	39	37	38	48	65	77	88	73	72	64	61	60	61	59	57	58	63	58	51
	LO	36	31	30	28	30	30	29	34	42	42	40	54	49	48	46	47	48	50	46	45	40	46	40	39
	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
(IM3000)F2	CNT	39	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
	LO	45	37	38	41	42	39	37	38	48	65	77	88	73	72	64	61	60	61	59	57	58	63	58	51
	LO	36	31	30	28	30	30	29	34	42	42	40	54	49	48	46	47	48	50	46	45	40	46	40	39
	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	CNT	39	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
f6FI	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	CNT	39	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
	LO	45	37	38	41	42	39	37	38	48	65	77	88	73	72	64	61	60	61	59	57	58	63	58	51
	LO	36	31	30	28	30	30	29	34	42	42	40	54	49	48	46	47	48	50	46	45	40	46	40	39
	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
f6E	CNT	39	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
	LO	45	37	38	41	42	39	37	38	48	65	77	88	73	72	64	61	60	61	59	57	58	63	58	51
	LO	36	31	30	28	30	30	29	34	42	42	40	54	49	48	46	47	48	50	46	45	40	46	40	39
	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	CNT	39	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
f'6E	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	CNT	39	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
	LO	45	37	38	41	42	39	37	38	48	65	77	88	73	72	64	61	60	61	59	57	58	63	58	51
	LO	36	31	30	28	30	30	29	34	42	42	40	54	49	48	46	47	48	50	46	45	40	46	40	39
	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
f6E1	CNT	39	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
	LO	45	37	38	41	42	39	37	38	48	65	77	88	73	72	64	61	60	61	59	57	58	63	58	51
	LO	36	31	30	28	30	30	29	34	42	42	40	54	49	48	46	47	48	50	46	45	40	46	40	39
	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	CNT	39	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36

SWEEP 1.6 MC TO 20.0 MC IN 10 SECONDS.

OCTOBER, 1960

TABLE 13

POINT BARROW, ALASKA (71.3N, 156.8W)

[illegible]

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

OCTOBER, 1960

TABLE 15

FAIRBANKS, ALASKA (64.9N, 147.8W)

[illegible]

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

OCTOBER, 1960

TABLE 16

[illegible][illegible][illegible]

0970068

10-9

TABLE 17

NARSSARSSUAQ, GREENLAND (61°2N, 45°4W)

[illegible]

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

OCTOBER, 1960

TABLE 18

BQUL00R • COLORADO (40 • ON • 105 • 3W)

	HOUR	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
f6 F2	MED	405	41	435	41	39	37	435	60	73	84	985	1055	107	108	107	103	97	925	76	60	50	415	40	405
	CNT	20	19	16	15	14	14	16	21	19	19	18	20	21	21	20	22	22	22	21	21	23	22	22	
	UQ	15	15	14	14	14	14	16	21	19	19	18	20	21	21	20	22	22	22	21	21	23	22	22	
	QNT	30	30	30	30	31	33	34	42	52	65	188	188	188	188	188	188	188	188	188	188	188	188	188	
	LQ	32	32	40	30	31	33	34	42	52	65	188	188	188	188	188	188	188	188	188	188	188	188	188	
f6 F2	MED	2825	270	270	275	275	275	300	315	3175	310	310	305	2925	2975	300	305	315	315	310	3075	305	2975	295	280
	CNT	16	15	13	11	10	9	7	34	34	35	35	37	18	18	17	19	19	18	17	16	17	18	17	
	UQ	16	15	13	11	10	9	7	34	34	35	35	37	18	18	17	19	19	18	17	16	17	18	17	
	QNT	270	270	260	265	270	260	265	305	310	290	285	285	290	290	285	300	305	310	300	300	290	290	280	
	LQ	270	270	260	265	270	260	265	305	310	290	285	285	290	290	285	300	305	310	300	300	290	290	280	
f6 F1	MED	2825	270	270	275	275	275	300	315	3175	310	310	305	2925	2975	300	305	315	315	310	3075	305	2975	295	280
	CNT	16	15	13	11	10	9	7	34	34	35	35	37	18	18	17	19	19	18	17	16	17	18	17	
	UQ	16	15	13	11	10	9	7	34	34	35	35	37	18	18	17	19	19	18	17	16	17	18	17	
	QNT	270	270	260	265	270	260	265	305	310	290	285	285	290	290	285	300	305	310	300	300	290	290	280	
	LQ	270	270	260	265	270	260	265	305	310	290	285	285	290	290	285	300	305	310	300	300	290	290	280	
f6 E	MED	2825	270	270	275	275	275	300	315	3175	310	310	305	2925	2975	300	305	315	315	310	3075	305	2975	295	280
	CNT	16	15	13	11	10	9	7	34	34	35	35	37	18	18	17	19	19	18	17	16	17	18	17	
	UQ	16	15	13	11	10	9	7	34	34	35	35	37	18	18	17	19	19	18	17	16	17	18	17	
	QNT	270	270	260	265	270	260	265	305	310	290	285	285	290	290	285	300	305	310	300	300	290	290	280	
	LQ	270	270	260	265	270	260	265	305	310	290	285	285	290	290	285	300	305	310	300	300	290	290	280	
f6 E	MED	2825	270	270	275	275	275	300	315	3175	310	310	305	2925	2975	300	305	315	315	310	3075	305	2975	295	280
	CNT	16	15	13	11	10	9	7	34	34	35	35	37	18	18	17	19	19	18	17	16	17	18	17	
	UQ	16	15	13	11	10	9	7	34	34	35	35	37	18	18	17	19	19	18	17	16	17	18	17	
	QNT	270	270	260	265	270	260	265	305	310	290	285	285	290	290	285	300	305	310	300	300	290	290	280	
	LQ	270	270	260	265	270	260	265	305	310	290	285	285	290	290	285	300	305	310	300	300	290	290	280	
f6 Es	MED	22	22	21	20	20	21	21	12	235	31	34		21	21	20	21	20	22	21	20	22	23	23	24
	CNT																								
	UQ																								
	QNT																								
	LQ																								

SWEEP 0-25 MC TO 20.0 MC IN 27 SECONDS.

OCTOBER, 1960

TABLE 19

GRAND BAHAMA I. (26.6N, 78.2W)

HOUR	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
f6F2	57	57	53	49	44	44	49	81	91	985	116	120	120	120	1245	1252	1175	110	90	72	64	605	585	58
	MED	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT
	260	29	27	29	26	27	28	29	26	28	28	39	27	27	26	28	28	27	28	28	28	26	28	29
	UQ	50	57	56	50	52	54	100	100	120	128	121	128	130	130	130	116	112	90	78	50	69	66	64
	LQ	51	50	50	43	40	44	89	94	104	112	114	117	116	110	110	116	95	68	50	55	52	51	
f6F2	MED	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT
	260	29	27	29	26	27	28	29	26	28	28	39	27	27	26	28	28	27	28	28	28	26	28	29
	UQ	50	57	56	50	52	54	100	100	120	128	121	128	130	130	130	116	112	90	78	50	69	66	64
	LQ	51	50	50	43	40	44	89	94	104	112	114	117	116	110	110	116	95	68	50	55	52	51	
	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT
f6F1	260	260	260	2425	250	275	260	232	235	215	215	220	215	220	2275	230	230	2325	2175	215	245	260	260	260
	MED	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT
	UQ	50	57	56	50	52	54	100	100	120	128	121	128	130	130	130	116	112	90	78	50	69	66	64
	LQ	51	50	50	43	40	44	89	94	104	112	114	117	116	110	110	116	95	68	50	55	52	51	
	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT
f6E	260	260	260	2425	250	275	260	232	235	215	215	220	215	220	2275	230	230	2325	2175	215	245	260	260	260
	MED	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT
	UQ	50	57	56	50	52	54	100	100	120	128	121	128	130	130	130	116	112	90	78	50	69	66	64
	LQ	51	50	50	43	40	44	89	94	104	112	114	117	116	110	110	116	95	68	50	55	52	51	
	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT
f6E	260	260	260	2425	250	275	260	232	235	215	215	220	215	220	2275	230	230	2325	2175	215	245	260	260	260
	MED	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT
	UQ	50	57	56	50	52	54	100	100	120	128	121	128	130	130	130	116	112	90	78	50	69	66	64
	LQ	51	50	50	43	40	44	89	94	104	112	114	117	116	110	110	116	95	68	50	55	52	51	
	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT
f6E	260	260	260	2425	250	275	260	232	235	215	215	220	215	220	2275	230	230	2325	2175	215	245	260	260	260
	MED	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT
	UQ	50	57	56	50	52	54	100	100	120	128	121	128	130	130	130	116	112	90	78	50	69	66	64
	LQ	51	50	50	43	40	44	89	94	104	112	114	117	116	110	110	116	95	68	50	55	52	51	
	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT
f6E	260	260	260	2425	250	275	260	232	235	215	215	220	215	220	2275	230	230	2325	2175	215	245	260	260	260
	MED	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT
	UQ	50	57	56	50	52	54	100	100	120	128	121	128	130	130	130	116	112	90	78	50	69	66	64
	LQ	51	50	50	43	40	44	89	94	104	112	114	117	116	110	110	116	95	68	50	55	52	51	
	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT
f6E	260	260	260	2425	250	275	260	232	235	215	215	220	215	220	2275	230	230	2325	2175	215	245	260	260	260
	MED	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT
	UQ	50	57	56	50	52	54	100	100	120	128	121	128	130	130	130	116	112	90	78	50	69	66	64
	LQ	51	50	50	43	40	44	89	94	104	112	114	117	116	110	110	116	95	68	50	55	52	51	
	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT
f6E	260	260	260	2425	250	275	260	232	235	215	215	220	215	220	2275	230	230	2325	2175	215	245	260	260	260
	MED	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT
	UQ	50	57	56	50	52	54	100	100	120	128	121	128	130	130	130	116	112	90	78	50	69	66	64
	LQ	51	50	50	43	40	44	89	94	104	112	114	117	116	110	110	116	95	68	50	55	52	51	
	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT
f6E	260	260	260	2425	250	275	260	232	235	215	215	220	215	220	2275	230	230	2325	2175	215	245	260	260	260
	MED	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT
	UQ	50	57	56	50	52	54	100	100	120	128	121	128	130	130	130	116	112	90	78	50	69	66	64
	LQ	51	50	50	43	40	44	89	94	104	112	114	117	116	110	110	116	95	68	50	55	52	51	
	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT
f6E	260	260	260	2425	250	275	260	232	235	215	215	220	215	220	2275	230	230	2325	2175	215	245	260	260	260
	MED	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT
	UQ	50	57	56	50	52	54	100	100	120	128	121	128	130	130	130	116	112	90	78	50	69	66	64
	LQ	51	50	50	43	40	44	89	94	104	112	114	117	116	110	110	116	95	68	50	55	52	51	
	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT
f6E	260	260	260	2425	250	275	260	232	235	215	215	220	215	220	2275	230	230	2325	2175	215	245	260	260	260
	MED	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT
	UQ	50	57	56	50	52	54	100	100	120	128	121	128	130	130	130	116	112	90	78	50	69	66	64
	LQ	51	50	50	43	40	44	89	94	104	112	114	117	116	110	110	116	95	68	50	55	52	51	
	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT
f6E	260	260	260	2425	250	275	260	232	235	215	215	220	215	220	2275	230	230	2325	2175	215	245	260	260	260
	MED	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT
	UQ	50	57	56	50	52	54	100	100	120	128	121	128	130	130	130	116	112	90	78	50	69	66	64
	LQ	51	50	50	43	40	44	89	94	104	112	114	117	116	110	110	116	95	68	50	55	52	51	
	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT
f6E	260	260	260	2425	250	275	260	232	235	215	215	220	215	220	2275	230	230	2325	2175	215	245	260	260	260
	MED	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT
	UQ	50	57	56	50	52	54	100	100	120	128	121	128	130	130	130	116	112	90	78	50	69	66	64
	LQ	51	50	50	43	40	44	89	94	104	112	114	117	116	110	110	116	95	68	50	55	52	51	
	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT	CNT
f6E	260	260	260	2425	250	275	260	232	235	215	215	220	215	220	2275	230	230</							

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

OCTOBER, 1960

4101

[illegible]

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TABLE 22

BYRD STATION 180+05, 120+00W:

[illegible]

CTOVER, 1960

TABLE 24

POLE STATION 190.051

hour	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
f6F2	MED	56	625	60	79	52	63	70	615	49	19	10	12	33	53	56	11	81	175	12	535	165	17	18
	U	56	625	60	79	52	63	70	615	49	19	10	12	33	53	56	11	81	175	12	535	165	17	18
	LO	59	69	70	78	75	78	84	74	68	60	57	54	56	68	71	78	91	79	75	98	88	55	55
	LD	46	55	54	47	50	47	52	50	42	43	45	42	45	47	47	56	69	45	42	40	46	44	45
h'F2	MED			1		1	2	1																
	U			1		1	2	1																
	LO																							
	LD																							
h'F	MED	260	250	270	275	275	280	280	2825	505	280	320	300	285	310	2675	260	255	2675	285	2775	265	260	250
	U	260	250	270	275	275	280	280	2825	505	280	320	300	285	310	2675	260	255	2675	285	2775	265	260	250
	LO	23	26	27	28	25	26	23	16	18	14	15	15	17	15	22	25	22	20	15	14	12	19	22
	LD	295	270	285	290	290	305	300	300	320	330	340	325	320	350	290	290	260	320	330	350	215	285	270
IM3000F2	MED	235	240	250	255	265	275	285	285	295	265	255	255	260	265	255	245	255	255	245	265	260	250	250
	U	235	240	250	255	265	275	285	285	295	265	255	255	260	265	255	245	255	255	245	265	260	250	250
	LO	235	240	250	255	265	275	285	285	295	265	255	255	260	265	255	245	255	255	245	265	260	250	250
	LD	295	300	290	280	275	280	280	270	280	290	300	300	315	305	300	305	300	310	310	305	300	280	280
f6F1	MED			1		1																		1
	U			1		1																		1
	LO																							
	LD																							
f6E	MED	1625	170	160	155	155	160	160	160	210	230	240	275	265	290	240	220	1625	1775	195	250	210	205	190
	U	1625	170	160	155	155	160	160	160	210	230	240	275	265	290	240	220	1625	1775	195	250	210	205	190
	LO	8	7	10	10	11	9	7	5	9	11	10	8	9	11	10	11	12	10	11		10	11	
	CNT																							
h'E	MED	121	123	121	127	122	135	131	116	121	115	111	108	130	166	160	115	115	121	117	119	126	126	121
	U	121	123	121	127	122	135	131	116	121	115	111	108	130	166	160	115	115	121	117	119	126	126	121
	LO	121	123	121	127	122	135	131	116	121	115	111	108	130	166	160	115	115	121	117	119	126	126	121
	CNT																							
f6Ex	MED	0	175	20	29	30	29	30	28	25	28	25	24	24	23	26	27	28	26	27	28	27	21	20
	U	0	175	20	29	30	29	30	28	25	28	25	24	24	23	26	27	28	26	27	28	27	21	20
	LO	30	29	29	30	29	30	28	25	28	25	24	24	24	23	26	27	28	26	27	28	27	21	20
	CNT																							

SEPTEMBER, 1960

TABLE 21

CONCEPCION, CHILE 136-65, 73, 90)

[illegible]

OCTOBER, 1960

TABLE 23

BYRD STATION (80.05, 120.0W)

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	
16F2	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
	CNT	565	57	52	52	54	52	565	59	565	715	785	87	39	31	32	615	59	595	61	61	63	51	56	55
	LO	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	
	UO	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	
	LO	50	40	3	4	4	4	48	45	48	52	55	61	69	72	74	60	54	55	49	56	49	47	50	
16F2	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
	CNT	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	LO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	UO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	LO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
16F2	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
	CNT	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	LO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	UO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	LO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
16F2	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
	CNT	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	LO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	UO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	LO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
16F2	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
	CNT	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	LO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	UO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	LO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
16F2	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
	CNT	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	LO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	UO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	LO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
16F2	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
	CNT	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	LO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	UO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	LO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
16F2	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
	CNT	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	LO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	UO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	LO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
16F2	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
	CNT	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	LO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	UO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	LO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
16F2	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
	CNT	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	LO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	UO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	LO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
16F2	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
	CNT	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	LO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	UO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	LO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
16F2	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
	CNT	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	LO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	UO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	LO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
16F2	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
	CNT	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	LO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	UO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
	LO	310	340	305	275	250	250	240	235	235	240	240	235	240	240	240	240	240	240	240	240	240	240	240	
16F2	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U										

SEPTEMBER, 1960

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

TABLE 25

INVERNESS, SCOTLAND (57°4N, 4°24')

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
f _o F2	MED CNT UO LO	56 25 24	53 24	48 26	45 24	46 27	51 27	56 27	64 26	66 29	66 29	70 29	70 28	72 29	72 28	74 26	75 26	78 28	79 28	77 28	77 23	72 28	67 27	60
h'F2	MED CNT UO LO																							
h'F	MED CNT UO LO																							
(M3000)F2	MED CNT UO LO	240 22	240 17	230 19	240 20	250 24	270 25	280 26	285 25	280 26	270 24	265 23	265 25	260 25	260 26	265 26	265 28	270 28	275 28	275 26	275 23	260 22	260 19	245
f _o F1	MED CNT																							
f _o E	MED CNT																							
h'E	MED CNT																							
f _o E _s	MED CNT	11 26	14 29	13 29	14 28	14 28	14 26	29 27	32 28	35 30	37 31	39 29	39 28	39 28	39 26	39 26	39 26	39 26	39 26	31 27	21 27	16 31	16 31	16

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

AUGUST, 1959

TABLE 26

FALKLAND IS. (51°17'S, 57°0'W)

TIME 50-00

HOUR	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
f _o F2	MED CNT UO LO	37 31 31 31	38 31 30 31	39 30 31 31	37 31 31 31	35 31 31 31	36 31 31 31	35 30 31 31	58 31 31 30	85 31 31 31	96 31 31 31	100 31 31 31	112 31 31 31	114 31 31 31	102 31 30 31	95 31 31 31	93	86 31 31 31	72 31 30 31	57 31 31 31	47 31 31 31	42 29 31 31	38 31 31 31	37 38
h'F2	MED CNT UO LO																							
h'F	MED CNT UO LO																							
(M3000)F2	MED CNT UO LO	230 12	230 21	235 22	240 21	240 15	235 10	200 10	340 20	320 18	315 22	320 19	315 18	320 22	315 27	325 19	325 13	315 13	315 12	295 12	280 13	255 12	240 15	230 18
f _o F1	MED CNT																							
f _o E	MED CNT							E	265 15	280 24	300 23	310 16	325 14	320 14	300 11	270 16	230 13	1						
h'E	MED CNT																							
f _o E _s	MED CNT	24 30	26 30	24 30	24 30	24 29	24 31	26 30	26 27	28 28	37 30	46 28	46 31	46 29	38 30	33 30	33 30	33 30	33 29	31 30	26 27	24 29	24 30	28

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

AUGUST, 1959

TABLE 27

TSMUR, SOUTH W. AFRICA (19°25', 17°1'E)

TIME 15-00

HOUR	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
f _o F2	MED CNT UO LO	303 24	29 24	278 24	284 25	24 26	418 26	83 29	1004 30	112 29	1143 30	1130 30	1132 27	1102 29	1094 29	1125 29	1125 27	1125 27	1125 26	99 26	678 28	487 28	477 28	419
h'F2	MED CNT UO LO																							
h'F	MED CNT UO LO	262 19	280 21	279 20	270 20	230 20	230 20	230 28	230 29	220 28	220 28	220 28	220 26	225 27	228 22	235 22	241 20	240 23	219 20	213 16	235 17	242 16	240 19	240
(M3000)F2	MED CNT UO LO	304 23	280 23	288 24	303 25	283 23	285 25	336 29	328 30	312 29	302 30	282 30	285 27	276 29	273 29	282 27	282 27	299 27	318 29	317 26	301 28	314 28	301	280
f _o F1	MED CNT																							
f _o E	MED CNT																							
h'E	MED CNT																							
f _o E _s	MED CNT																							

SWEEP 1.0 MC TO 16.0 MC IN 4 MINUTES.

JUNE, 1959

TABLE 28

DELHI, INDIA (28°4'N, 77°1'E)

TIME 75-00

HOUR	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
f _o F2	MED CNT UO LO	98 90	94 80	77 27	68 10	71 27	88 28	106 23	118 23	138 25	146 26	146 21	149 26	151 25	152 22	150 27	150 27	147 27	144 26	134 28	125 18	116 19	112 25	104
h'F2	MED CNT UO LO																							
h'F	MED CNT UO LO																							
(M3000)F2	MED CNT UO LO	2 2	1 1																					
f _o F1	MED CNT																							
f _o E	MED CNT																							
h'E	MED CNT																							
f _o E _s	MED CNT																							

SWEEP 1.5 MC TO 16.0 MC IN 5 MINUTES. MANUAL OPERATION.

APRIL, 1959

TABLE 10

[illegible]

APRIL, 1959

TABLE 29

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
AHMEDABAD, INDIA 123.0N, 72.6E)																									
16F2	MED CNT LO	150 24	142 22	115 24	85 24	77 24	73 22	105 24	124 23	131 26	142 26	151 24	155 27	160 15	160 23	160 21	160 23	160 24	160 25	161 25	155 21	154 22	162 21	153 23	150 21
17F2	MED CNT LO																								
18F	MED CNT LO	265	250	245	230	270	270	260	250	250	250	230	U												
19F	MED CNT LO	280	300	305	280	240	240	285	300	280	265	250	240	240	240	240	245	245	250	255	245	240	255	260	275
20F	MED CNT LO	280	300	305	280	240	240	285	300	280	265	250	240	240	240	240	245	245	250	255	245	240	255	260	275
21F	MED CNT LO	280	300	305	280	240	240	285	300	280	265	250	240	240	240	240	245	245	250	255	245	240	255	260	275
22F	MED CNT LO	280	300	305	280	240	240	285	300	280	265	250	240	240	240	240	245	245	250	255	245	240	255	260	275
23F	MED CNT LO	280	300	305	280	240	240	285	300	280	265	250	240	240	240	240	245	245	250	255	245	240	255	260	275
24F	MED CNT LO	280	300	305	280	240	240	285	300	280	265	250	240	240	240	240	245	245	250	255	245	240	255	260	275
25F	MED CNT LO	280	300	305	280	240	240	285	300	280	265	250	240	240	240	240	245	245	250	255	245	240	255	260	275
26F	MED CNT LO	280	300	305	280	240	240	285	300	280	265	250	240	240	240	240	245	245	250	255	245	240	255	260	275
27F	MED CNT LO	280	300	305	280	240	240	285	300	280	265	250	240	240	240	240	245	245	250	255	245	240	255	260	275
28F	MED CNT LO	280	300	305	280	240	240	285	300	280	265	250	240	240	240	240	245	245	250	255	245	240	255	260	275
29F	MED CNT LO	280	300	305	280	240	240	285	300	280	265	250	240	240	240	240	245	245	250	255	245	240	255	260	275
30F	MED CNT LO	280	300	305	280	240	240	285	300	280	265	250	240	240	240	240	245	245	250	255	245	240	255	260	275
31F	MED CNT LO	280	300	305	280	240	240	285	300	280	265	250	240	240	240	240	245	245	250	255	245	240	255	260	275

1991 - 1999

TABLE 31

[illegible]

APRIL, 1959

TABLE 32

[illegible]

APRIL 1959

TABLE 33

KODAIKANAL, INDIA (10.2N, 77.5E)

TIME 75.0E

[illegible]

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS.

APRIL, 1959

TABLE 35

MALLEY BAY, ANARCTICA (75° 55', 26° 6' W)

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
f6F2 MED CNT UQ LQ	86 U 11 20 23	735 U 70 23	77 U 25	785 U 26	76 U 26	79 U 26	76 U 26	79 U 26	76 U 26	845 U 28	87 U 31	885 U 30	92 U 29	95 U 30	95 U 30	975 U 30	99 U 28	99 U 27	98 U 26	92 U 27	92 U 24	90 U 22	91 U 22	20
nF2 MED CNT UQ LQ			460 U 3	460 U 3	480 U 6	495 U 10	520 U 11	520 U 7	510 U 8	545 U 6	730 U 3	760 U 5	650 U 3	595 U 1	575 U 3	475 U 4	510 U 5	520 U 4	760 U 1					
nF MED CNT UQ LQ	345 U 27	350 U 27	355 U 27	350 U 26	340 U 25	295 U 26	260 U 22	255 U 27	250 U 27	250 U 26	250 U 31	250 U 30	245 U 29	245 U 29	250 U 27	350 U 27	250 U 28	255 U 27	255 U 28	260 U 27	280 U 28	390 U 26	310 U 28	
(M3000)F2 MED CNT UQ LQ	230 U 8	230 U 9	230 U 10	230 U 10	230 U 12	240 U 16	245 U 17	255 U 21	230 U 22	240 U 29	245 U 25	255 U 27	260 U 28	270 U 27	270 U 29	285 U 28	265 U 29	285 U 28	295 U 28	290 U 28	260 U 28	260 U 19	250 U 17	
f6F1 MED CNT	350 U 3	360 U 5	410 U 10	430 U 11	460 U 11	460 U 11	460 U 11	460 U 11	495 U 8	495 U 7	500 U 3	490 U 5	500 U 4	495 U 1	445 U 2	445 U 4	390 U 4	370 U 3	370 U 1					
f6E MED CNT	230 U 5	230 U 5	270 U 10	260 U 10	270 U 12	270 U 12	270 U 12	270 U 12	285 U 21	315 U 21	330 U 20	330 U 14	330 U 14	330 U 14	320 U 14	300 U 10	260 U 14	225 U 14	195 U 13	180 U 13	150 U 9	175 U 3	175 U 2	
n'E MED CNT	140 U 3	145 U 3	120 U 11	120 U 11	135 U 15	115 U 11	110 U 11	110 U 11	110 U 22	110 U 22	110 U 22	115 U 19	115 U 24	115 U 20	115 U 18	120 U 14	125 U 12	145 U 12	150 U 12	170 U 9	150 U 2	150 U 2	3	
f6E4 MED CNT	15 U 25	17 U 23	16 U 23	17 U 23	16 U 22	17 U 25	17 U 26	17 U 24	185 U 23	195 U 25	235 U 22	235 U 26	235 U 22	235 U 26	235 U 22	235 U 21	240 U 23	245 U 23	245 U 21	245 U 23	18 U 19	15 U 16	14 U 14	

SWEET 0.65 MC TO 25.0 IN 5 MINUTES, AUTOMATIC OPERATION.

[illegible]

TABLE 34

TRIVANDRUM. INOIA (8.5N. 77.0E)

TIME 75.0E

[illegible]

SWEEP 1.5 MC TO 18.0 MC IN 5 MINUTES* MANUAL OPERATION*

APRIL 1959

TABLE 36

SVALBARD, NORWAY (78.2N, 15.7E)

TIME 15.08

MSUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
f6F2	MED	69	62	57	66	50	62	74	85	93	101	103	102	100	81	78	81	85	82	83	71	80	91	71	72	
	CNT	18	19	17	13	14	12	13	12	13	15	15	17	17	15	15	16	17	15	14	16	19	19	20		
	LO	315	335	320	350	410	330	305	290	275	265	260	250	240	280	245	260	255	250	240	230	230	230	230	230	
	UO	78	80	69	68	66	74	81	88	100	109	113	112	103	96	90	88	90	98	101	97	94	95	100	82	
f6F2	MED	49	30	37	63	44	38	46	82	82	80	99	77	81	70	67	70	74	69	69	55	64	73	62		
	CNT																									
	LO																									
	UO																									
f6F	MED	295	300	295	305	340	300	290	260	250	255	250	250	250	250	250	250	250	250	250	250	250	250	250		
	CNT	18	19	17	13	14	12	13	12	13	15	15	17	17	15	15	16	17	15	14	16	19	19	20		
	LO	315	335	320	350	410	330	305	290	275	265	260	250	240	280	245	260	255	250	240	230	230	230	230		
	UO	78	80	69	68	66	74	81	88	100	109	113	112	103	96	90	88	90	98	101	97	94	95	100		
(M3000)F2	MED	255	240	240	250	260	255	260	255	260	255	260	265	270	270	270	270	280	265	270	255	285	255			
	CNT	7	5	5	3	6	8	8	9	10	12	14	13	13	9	12	12	11	12	14	10	8	5	7		
	LO	255	265	265	275	285	275	270	260	240	230	220	210	200	270	280	280	280	285	270	255	285	255			
	UO	230	220	225	230	240	255	255	255	255	255	255	255	255	260	255	255	260	255	255	235	240	240	240		
f6F1	MED																									
	CNT																									
	LO																									
	UO																									
f6E	MED	3	140	160																						
	CNT		3	4	5	7	8	5	8	10	9	11	12	10	11	11	11	8				3	2	1	1	
	LO																									
	UO																									
f6E	MED	1	2	2	2	2	3	120	115	110	110	110	110	110	110	110	115	115	115	115	115	115	115	115	115	
	CNT							8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
	LO																									
	UO																									
f6Es	MED	14	31	29	30	15	26	30	29	28	28	25	14	14	17	16	16	32	32	31	39	36	32	35	33	
	CNT	10	11	14	16	16	15	13	14	15	15	15	14	14	17	16	16	14	16	15	16	16	14	15	13	
	LO																									
	UO																									

PLATE 1. 1. MC TO 24. 2. MC IN 5 MINUTES. 3. AUTOMATIC OPERATION.

SEPTEMBER, 1951

TABLE 41

[illegible]

TABLE 42

[illegible]

TABLE 43

[illegible]

TABLE 44

[illegible]

SWEEP 1.3 MC TO 18.0 MC IN 30 SECONDS.

MAY. 1958

SWEEP 1.5 MC TO 18.0 MC IN 30 SECONDS.

FEBRUARY, 1956

SWEEP 1.5 MC TO 18.0 MC IN 30 SECONDS*

JANUARY, 1956

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS.

DECEMBER, 1957

TABLE 45

CLYDE, 8- FIN 1, (70.5N, 68.6W)

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
f _o F2	MED CNT LO	52 25 26	51 26 24	50 27 24	50 27 24	46 26 25	45 25 25	45 25 25	48 29 27	55 27 27	66 27 28	72 27 28	88 24 23	93 23 24	92 24 26	76 24 26	82 24 28	72 28 25	66 26 25	67 28 25	70 29 28	68 28 25	54 25 26	
f _o F1	MED CNT LO																							
f _o F	MED CNT LO	300 26	300 27	300 27	300 26	300 25	300 25	300 25	300 29	290 29	290 30	290 31	280 28	280 30	280 25	290 25	290 28	290 29	290 28	290 27	290 30	280 26	290 29	300 27
(M3000)F2	MED CNT LO																							
f _o F1	MED CNT LO																							
f _o E	MED CNT LO				1			1	2	2	180	180	180	180	180	180	180	180	180	180	180	180	180	180
f _o E	MED CNT LO																							
f _o E1	MED CNT LO											3												

SWEET 14.6 MC TO 20.0 MC IN 15 SECONDS.

DECEMBER, 1957

TABLE 46

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
f _o F2	MED CNT UO LO	58 19	18 17	15 20	22 22	24 19	23 23	27 27	27 27	28 28	27 27	27 27	136 27	138 27	139 26	120 25	99 23	65 22	57 19	56 20	45 15	55 13	56 18	58 12
f _o F2	MED CNT UO LO	400 19	350 20	340 20	310 20	285 20	270 20	275 20	275 20	270 20	250 20	245 20	240 29	240 28	230 29	230 29	230 25	245 25	260 23	280 20	280 20	340 19	350 21	370 23
(M3000)F2	MED CNT UO LO	240 7	240 7	240 9	240 8	250 18	260 13	250 27	260 18	290 25	280 23	280 23	280 12	280 28	280 14	290 28	290 19	290 16	290 10	270 7	270 6	270 6	250 6	240 6
f _o F1	MED CNT																							
f _o E	MED CNT	260 1	250 1	270 2	270 2	270 13	270 13	270 13	170 11	200 18	210 18	200 16	170 22	170 17			260 1	260 1			280 1			
f _o E	MED CNT																							
f _o E	MED CNT																							
f _o Ea	MED CNT	35 22	31 22	31 23	32 21	32 17	29 10	19 3	16 4	20 15	20 24	20 22	20 25	20 23	20 23	22 23	30 8	31 14	31 15	34 19	39 20	35 23	33 26	39 23

SWEET 0.465 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC OPERATION.

DECEMBER, 1957

TABLE 47

PARAMARIBO, SURINAM (5.9N, 59.2W)

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	
f _o F ₂	MED	D																								
	CNT	134	155	150	136	108	88	75	70	64	73	104	138	150	134	131	131	126	124	123	124	125	124	127	135	
	UO	168	170	170	154	129	105	92	78	70	78	118	150	184	160	159	135	131	131	131	131	132	131	143	155	
	LO	130	137	138	123	99	81	68	66	56	65	99	131	134	128	127	126	122	118	119	117	116	121	123	127	
h'F ₂	MED	U																								
	CNT	260	310	350	400	420	440	470	490	470	440	415														
	UO												1	7	17	23	26	28	29	29	25	25	8			
	LO																									
h'F	MED	300	275	255	240	220	225	240	250	250	260	260	250	240	240	230	245	250	250	250	250	250	285	315	320	
	CNT	28	27	28	28	28	28	28	28	28	28	27	27	28	26	26	28	28	29	29	26	26	28	28	28	
	UO																									
	LO																									
(M3000)F ₂	MED	240	260	275	280	285	275	270	270	275	265	260	255	260	260	255	265	255	255	250	250	230	235	245	245	
	CNT	16	12	19	20	27	26	25	20	25	28	27	28	28	27	27	28	29	29	29	25	23	25	27	22	
	UO																									
	LO																									
f _o F ₁	MED	U																								
	CNT																									
	UO																									
	LO																									
f _o E	MED	U																								
	CNT																									
	UO																									
	LO																									
h'E	MED	U																								
	CNT																									
	UO																									
	LO																									
f _o Es	MED	U																								
	CNT																									
	UO																									
	LO																									

SWEET 14.6 MC TO 20.0 MC IN 40 SECONDS.

DECEMBER, 1957

TABLE 48

BUENOS AIRES, ARGENTINA (34.35S, 58.34W)

TIME 80.0W

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	
f _o F2	MED CUT UO LO	97 25	92 25	87 26	84 26	80 21	82 23	90 25	98 25	102 26	109 22	112 24	116 21	118 23	117 23	116 25	115 23	108 25	109 21	101 23	102 24	100 27	96 30	97 29	98 28
f _o F2	MED CUT UO LO								550 8	515 13	445 20	485 25	475 23	480 23	470 24	460 24	450 24	450 24	450 24	430 24	400 24	E			
f _o F	MED CUT UO LO	380 26	375 26	360 27	370 27	405 22	290 24	260 24	245 24	245 20	250 13	235 10	245 11	245 8	250 9	245 11	245 20	245 15	285 21	330 18	395 21	420 26	420 27	400 27	400 29
(M3000)F2	MED CUT UO LO	230 22	240 22	230 24	225 22	215 20	240 18	245 20	245 21	215 23	235 20	235 20	235 20	230 20	230 21	235 21	235 21	235 23	235 26	235 22	230 22	220 26	215 25	220 27	230 28
f _o F1	MED CUT							870 5	870 5	870 12	890 12	890 11	890 17	870 13	860 15	840 14	830 18	600 16	570 7						
f _o E	MED CUT							220 12	300 14	360 6	400 1	400 1	430 1	430 1	395 2	345 2	285 2								
f _o E	MED CUT							155 12	117 16	115 18	115 16	113 18	120 14	109 1	114 4	117 8	119 14	119 18	118 12	110 14					
f _o E	MED CUT	50 19	43 21	37 20	21 23	26 24	30 24	34 24	40 24	54 24	62 18	62 18	60 13	56 10	52 11	46 12	46 13	40 21	38 24	36 25	50 18	57 21	59 22	50 22	

SWEET 14.0 MC TO 25.0 MC IN 27 SECONDS.

DECEMBER, 1957

TABLE 4.9

TIME 150.0E

TABLE 5.0

MACQUARIE I. (154.44S, 159.04E)																									
HOUR	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
16F2	MED	49	48	46	50	52	58	60	63	68	69	68	70	69	72	72	74	74	71	70	63	68	57	57	55
	CNT	17	15	17	15	18	20	18	16	17	16	14	16	19	18	17	22	22	19	16	13	11	12	11	12
	LO	52	50	52	56	60	64	69	70	72	72	74	74	74	75	76	74	73	71	68	63	68	62	62	62
	U	42	41	42	48	49	53	58	58	60	65	66	68	68	70	70	72	70	66	64	58	55	48	44	44
16F2	MED																								
	CNT																								
	LO																								
	U																								
16F	MED	590	540	625	670	750	710	580	555	540	560	570	580	625	620	625	610	570	555	525	505	490	480	495	
	CNT	9	10	5	10	13	11	13	20	13	18	17	15	22	22	24	26	25	26	29	27	19	15	10	
	LO																								
	U																								
16F	MED	300	300	275	270	255	250	240	230	240	230	220	215	210	220	225	235	240	250	255	265	280	290		
	CNT	28	23	24	25	24	25	28	20	17	22	28	23	23	24	21	21	23	29	28	27	29	28	25	
	LO																								
	U																								
16E	MED	340	350	370	390	410	430	450	480	490	500	500	500	500	510	510	500	460	465	465	430	400	370	360	
	CNT	15	15	13	17	23	23	28	25	25	23	26	24	28	28	27	28	28	29	31	28	24	21	15	
	LO																								
	U																								
16E	MED	105	105	109	102	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	
	CNT	18	23	23	24	26	28	29	29	28	24	24	25	26	24	22	25	25	24	25	24	24	25	20	
	LO																								
	U																								
16Ea	MED	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	
	CNT																								
	LO																								
	U																								

SWEEP 1.0 MC TO 13.0 MC IN 1 MINUTE 55 SECONDS.

DECEMBER, 1957

SWEEP 1.0 MC TO 25.0 MC IN 33.5 SECONDS.

DECEMBER, 1957

TABLE 5.1

TIME 75.0W

TABLE 5.2

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
16F2	MED	59	58	56	65	52	58	56	62	58	67	78	78	73	78	73	86	78	68	61	68	58	58	60	63
	CNT	12	16	19	20	18	17	19	17	19	22	19	18	19	20	23	22	23	22	21	15	17	18	16	19
	LO																								
	UO																								
16F2	MED																								
	CNT																								
	LO																								
	UO																								
16F	MED	310	310	320	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	320	320	320	320	320
	CNT	18	21	20	20	20	20	18	19	17	19	18	19	23	19	21	18	20	21	23	18	21	16	17	19
	LO																								
	UO																								
16F001F2	MED																								
	CNT																								
	LO																								
	UO																								
16F1	MED																								
	CNT																								
	LO																								
	UO																								
16E	MED																								
	CNT																								
	LO																								
	UO																								
16E	MED																								
	CNT																								
	LO																								
	UO																								
16Ea	MED																								
	CNT																								
	LO																								
	UO																								

SWEEP 1.0 MC TO 20.0 MC IN 15 SECONDS.

NOVEMBER, 1957

SWEEP 1.0 MC TO 20.0 MC IN 15 SECONDS.

NOVEMBER, 1957

TABLE 54

BUENOS AIRES, ARGENTINA (34°55'S, 58°54'W)

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
f6F2	MED	118	110	99	91	85	90	96	108	116	121	128	133	132	132	132	129	120	120	120	127	123	122	120	120
	CNT	27	28	27	27	27	26	24	26	27	26	28	28	27	28	29	29	29	28	26	24	26	27	26	26
	UO																								
	LO																								
nF2	MED									300	485	470	465	465	460	450	450	430	400	400					
	CNT									2	5	17	27	26	27	29	29	23	3	2					
	UO																								
	LO																								
nF	MED	350	325	300	290	350	280	250	240	235	230	230	240	240	235	235	250	245	250	260	290	350	380	385	370
	CNT	28	28	27	25	27	25	26	26	26	24	20	14	14	17	11	18	20	20	19	24	24	24	26	26
	UO																								
	LO																								
IM3000F2	MED	240	255	245	235	220	215	265	235	225	230	230	235	235	230	235	235	235	235	240	230	220	220	225	235
	CNT	24	27	27	27	26	24	21	23	24	28	26	28	25	24	28	29	29	23	20	20	55	34	24	22
	UO																								
	LO																								
f6F1	MED									U	U	U	U	U	U	U	U	U	U						
	CNT									600	420	410	400	400	370	370	360	350	340						
	UO									2	8	14	17	17	12	11	13	3							
	LO																								
f6E	MED									210	205	340	360	400	420	430	430	420	400	360	290	230			
	CNT									4	15	19	11	8	4	4	4	2	5	2					
	UO																								
	LO																								
nF	MED									E	161	119	113	111	111	111	111	117	119	119	139				
	CNT										6	12	14	16	19	20	14	11	10	10	15	19	16	10	5
	UO																								
	LO																								
f6Es	MED	34	34	44	39	34	33	34	40	44	45	42	43	50	42	34	50	44	48	32	44	44	44	44	46
	CNT	20	24	21	23	22	27	26	26	26	26	27	26	27	28	27	28	29	29	29	26	23	18	19	16
	UO																								
	LO																								

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS.

NOVEMBER, 1957

TABLE 55

PARAMARIBO, SURINAM (5°39'N, 55°24'W)

HOUR	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
f6F2	MED CMT UO LO	170 171 170 163 118 97 84 64 75 112 145 153 148 144 142 142 135 134 132 133 138 142 150 150 150 150	25 26 27 27 27 27 27 26 26 26 27 27 28 28 27 26 25 26 26 25 25 25 25 25 25 25																						
nF2	MED CMT UO LO																								
nF	MED CMT UO LO	300 260 250 225 220 220 225 240 260 255 260 250 240 225 230 230 230 235 240 250 250 250 250 250 250	25 26 27 27 27 27 27 26 26 26 27 28 27 27 26 24 25 24 24 23 22 23 26 25 25 25																						
IM3000F2	MED CMT UO LO	250 270 270 280 280 285 280 275 275 280 290 295 295 275 260 245 245 235 230 230 235 240 250 240	14 13 14 18 23 24 25 26 25 25 27 28 27 27 26 25 25 26 26 25 25 25 25 25 25 25																						
f6F1	MED CMT UO LO																								
f6E	MED CMT UO LO																								
nE	MED CMT UO LO																								
f6Es	MED CMT UO LO																								

SWEEP 1.4 MC TO 20.0 MC IN 40 SECONDS.

NOVEMBER, 1957

TABLE 56

ALBERT, CANADA (62°40'N, 62°56'W)

hour	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
f6F2	MED CNT UO LO	62 56 56 56 55 58 60 66 68 70 80 81 82 82 76 76 70 70 64 67 63 64 60 60 60	16 20 21 25 22 25 24 26 24 22 23 24 23 24 20 23 20 22 20 21 20 22 16																						
nF2	MED CNT UO LO																								
nF	MED CNT UO LO	300 300 310 300 300 300 280 280 290 290 300 300 290 290 290 290 290 290 290 290 290 300 300 300 300	24 24 25 24 25 26 26 25 25 27 24 26 25 25 25 25 24 24 25 24 24 24 24 24 24																						
IM3000F2	MED CNT UO LO																								
f6F1	MED CNT UO LO																								
f6E	MED CNT UO LO																								
nF	MED CNT UO LO																								
nF	MED CNT UO LO																								
f6Es	MED CNT UO LO																								

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS.

OCTOBER, 1957

TABLE 55

DECEPCION 14 (63°05'N, 60°17'W)

HOUR	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
f6F2	MED CNT UO LO	97	94	96	96	94	100	98	94	96	90	87	90	85	89	81	84	86	90					
			2	16	24	24	26	21	24	24	24	28	25	25	29	25	20	10	5					
nF2	MED CNT UO LO	U	420	410	440	445	440	440	440	440	445	435	440	445	410	400	365							
		1	6	16	15	20	30	15	14	15	18	16	11	11	18	17	4							
nF	MED CNT UO LO	320	305	310	320	290	265	230	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220
		25	28	28	24	23	24	21	22	22	15	19	17	22	22	21	20	25	27	24	27	27	22	18
IM3000F2	MED CNT UO LO	248	250	248	250	245	248	245	240	250	252	250	250	250	260	260	265	270	275	280	280	275	260	260
		24	25	24	24	26	24	22	25	24	18	21	19	23	26	24	24	27	27	26	25	26	21	19
f6F1	MED CNT UO LO	996	999	980	960	760	450	470	510	540	500	610	610	620	620	610	620	600	610	900	900	910	920	920
		25	27	27	22	19	19	15	19	19	16	15	18	19	17	10	10	8	11	11	19	23	22	18
f6E	MED CNT UO LO	E	E	E	E	210	250	290	325	345	380	375	365	380	370	320	345	270			E	E	E	E
		18	18	20	15	7	6	5	6	5	4	5	2	1	1	2	4	4	11	12	14			
nF	MED CNT UO LO	18	19	21	16	7	7	5	5	99	101	101	101	101	101	101	101	101	101	101	101	101	101	101
		E	E	E	E	99	101	101	101	99	101	99	99	101	101	101	101	101	101	101	101	101	101	101
f6Es	MED CNT UO LO	E	E	E	E	24	23	23	21	24	16	2	17	21	22	21	20	25	26	26	23	21	18	15
		23	23	24	22	24	23	23	21	24	16	2	17	21	22	21	20	25	26	26	23	21	18	15

SWEEP 1.5 MC TO 18.0 MC IN 30 SECONDS.

NOVEMBER, 1957

TABLE 57

CLYDE, BAFFIN I., (70°5N, 68°6W)

TIME 75.0W

[illegible]

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS*

OCTOBER, 1957

POITIERS • FRANCE (46° 6N; 0° 3E)

TIME 0.0

[illegible]

SWEEP 1-6 MC TO 17.0 MC IN 1 MINUTE.

OCTOBER, 1957

TABLE 59

CASABLANCA, MOROCCO 133.6N, 7.6W)

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
16F2	MED	90	90	86	86	76	72	68	95	124	132	137	136	134	136	133	131	130	127	121	108	107	95	93	90
	CNT	10	10	23	23	22	22	22	25	24	26	26	24	23	24	25	26	25	25	23	22	24	23	20	20
	LO																								
16F2	MED	248	230	235	245	230	305	305	248	230	235	245	230	360	365	370	305	252	260						
	CNT	22	15	15	5	1								5	3	5	1	2	16						
	LO																								
16F	MED	300	295	285	285	250	250	255	250	235	230	230	230	245	250	250	250	250	255	262	265	285	285	290	290
	CNT	28	24	28	28	26	25	25	25	27	27	27	27	25	25	25	26	25	27	28	28	28	28	28	28
	LO																								
1M3000F2	MED	245	240	240	245	276	255	245	310	305	290	280	265	250	250	255	245	250	255	260	265	280	265	260	255
	CNT	9	11	18	25	18	22	21	23	23	17	18	17	20	15	20	24	24	24	18	15	15	15	10	10
	LO																								
16F1	MED									U	U	U	U	U	U	U	U								
	CNT									400	430	450	2	2	2	5	1								
	LO																								
16E	MED									210	290	345	370	380	380	390	400	370	320	265	E				
	CNT									2	12	26	25	21	12	11	11	12	17	22	20				
	LO																								
16E	MED									E	126	110	105	105	105	110	110	112	120						
	CNT									2	11	26	26	24	23	19	20	19	22	19					
	LO																								
16E4	MED	28	23	27	28	26	23	25	21	26	26	27	26	23	25	24	35	38	35	32	31	E			
	CNT																								
	LO																								

SWEEP 1.6 MC TO 17.0 IN 1 MINUTE.

OCTOBER, 1957

TABLE 60

DAVID. EPOCH W. AFRICA (14-0N, 17.6W)

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
f6F2	MED CNT LO	U 175 2	U 168 3	U 110 5	U 90 17	U 70 18	U 89 12	U 118 12	U 154 8	U 155 11	U 160 12	U 165 9	U 162 8	U 160 7	U 154 2								U 174 1	U 170 1
f7F2	MED CNT LO									U 428	U 420	U 415	U 455	U 455	U 455	U 460								
f7F	MED CNT LO	250 30	330 30	218 28	220 27	220 25	224 25	230 27	220 27	210 27	205 26	200 19	200 23	210 19	220 21	220 25	230 25	240 31	325 29	325 19	380 16	350 22	312 28	280 29
f8000F2	MED CNT LO	U 275	U 288	U 1	U 2	U 295	U 310	U 295	U 310	U 295	U 285	U 260	U 242	U 222	U 222									
f6F1	MED CNT LO																							
f6E	MED CNT	E 1	E 1	E 1	E 2	E 5	E 11	E 27	E 350	E 395	E 420	E 495	E 430	E 420	E 400	E 370	E 330	E 260	E 172	E 172	E 20	E 4	E 1	E 1
f7E	MED CNT	E 1	E 1	E 1	E 2	E 5	E 11	E 23	E 185	E 195	E 100	E 100	E 100	E 100	E 100	E 100	E 105	E 115	E 115	E 115	E 115	E 115	E 115	E 115
f6E1	MED CNT	E 27	E 28	E 28	E 28	E 25	E 24	E 27	E 24	E 28	E 27	E 20	E 23	E 23	E 27	E 26	E 28	E 30	E 22	E 13	E 14	E 19	E 22	E 25

[illegible]

OCTOBER, 1957

TABLE 62

TANANARIVE, MADAGASCAR 118.95, 47.5E

[illegible]

SLEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

OCTOBER, 1957

TABLE 61

LIBOUTI, FRENCH SOMALILAND (11.6N, 43.2E)

TIME 4652

TABLE 61

03JBT01, FRENCH 50MALLANO (111+0N, 43+2E)

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
f6 F2	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	CNT	160	160	160	86	86	82	92	126	140	147	145	146	138	134	138	134	138	132	168	168	168	168	168	168
	LO	18	22	22	26	24	25	25	29	27	28	30	29	29	27	23	25	25	28	29	17	19	11	11	11
h' F2	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	CNT	160	160	160	86	86	82	92	126	140	147	145	146	138	134	138	134	138	132	168	168	168	168	168	168
	LO	18	22	22	26	24	25	25	29	27	28	30	29	29	27	23	25	25	28	29	17	19	11	11	11
h' F	MED	265	260	260	255	250	240	270	260	250	240	235	238	230	238	240	255	272	335	462	430	375	312	290	
	CNT	31	30	29	31	28	27	26	27	28	26	17	18	15	12	18	22	25	28	29	26	13	19	20	22
	LO	18	22	22	26	24	25	25	29	27	28	30	29	29	27	23	25	25	28	29	17	19	11	11	
(M3000) F2	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	CNT	270	265	265	268	260	265	278	262	260	255	258	255	235	235	235	235	235	235	235	235	235	235	235	235
	LO	18	22	22	26	24	25	25	29	27	28	30	29	29	27	23	25	25	28	29	17	19	11	11	11
f6 F1	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	CNT	160	160	160	86	86	82	92	126	140	147	145	146	138	134	138	134	138	132	168	168	168	168	168	168
	LO	18	22	22	26	24	25	25	29	27	28	30	29	29	27	23	25	25	28	29	17	19	11	11	11
f6 E	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	CNT	160	160	160	86	86	82	92	126	140	147	145	146	138	134	138	134	138	132	168	168	168	168	168	168
	LO	18	22	22	26	24	25	25	29	27	28	30	29	29	27	23	25	25	28	29	17	19	11	11	11
h' E	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	CNT	160	160	160	86	86	82	92	126	140	147	145	146	138	134	138	134	138	132	168	168	168	168	168	168
	LO	18	22	22	26	24	25	25	29	27	28	30	29	29	27	23	25	25	28	29	17	19	11	11	11
f6 E1	MED	25	25	24	24	30	40	41	46	52	64	96	96	95	97	97	93	90	66	36	1	E	E	25	28
	CNT	29	28	28	29	27	25	28	28	29	29	27	27	29	29	29	29	49	30	26	30	29	29	30	24
	LO	18	22	22	26	24	25	25	29	27	28	30	29	29	27	23	25	25	28	29	17	19	11	11	11

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

OCTOBER, 1957

TABLE 63

DECEPTION 1. (63.05, 60.7W)

OCEP (UN 1 + 463103 + 60.7m)																								TIME 600.0			
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		
16F2	MEQ	00	30	83	78	78	88	91	101	110	124	135	124	124	118	116	108	102	99	98	96	95	94	92	90		
	CNT	31	30	29	31	29	31	29	31	29	30	28	30	30	30	28	28	30	29	30	27	28	29	30	30		
	LO																										
n'F2	MEQ	250	265	280	270	250	200	190	180	180	180	180	180	180	180	180	180	180	100	200	200	220	220	240	250		
	CNT	31	30	29	30	29	30	29	31	30	28	30	30	30	30	25	48	50	29	30	28	30	29	30	31		
	LO																										
n'F	MEQ	300	385	340	360	360	0	20	355	385	300	365	420	510	365	420	510	365	420	510	365	420	510	365	420	510	
	CNT	1	2	4	3	7	3	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5		
	LO																										
IM3000IF2	MEQ	300	297	290	290	290	305	315	318	325	330	325	335	332	330	345	338	345	350	350	340	330	320	310	305		
	CNT	30	30	28	29	28	31	25	28	25	24	27	28	28	27	26	26	25	22	19	22	27	26	28	30		
	LO																										
16F	MEQ	300	410	300	300	300	350	680	630	600	600	640	640	640	640	640	640	640	640	640	640	640	640	640	640		
	CNT	1	1	1	1	1	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
	LO																										
16E	MEQ	6	9	14	15	8	9	250	300	320	370	360	340	300	300	370	300	300	280	240	2	2	7	6	2		
	CNT	6	9	14	15	8	9	250	300	320	370	360	340	300	300	370	300	300	280	240	2	2	7	6	2		
	LO																										
n'E	MEQ	6	9	14	14	7	11	11	99	99	99	100	95	91	96	95	99	99	99	101	1	3	7	6	5		
	CNT	6	9	14	14	7	11	11	99	99	99	100	95	91	96	95	99	99	99	101	1	3	7	6	5		
	LO																										
16E+	MEQ	31	31	31	30	29	29	29	30	30	28	27	29	30	28	28	29	29	29	29	30	29	28	29	31		
	CNT	31	31	31	30	29	29	29	30	30	28	27	29	30	28	28	29	29	29	29	30	29	28	29	31		
	LO																										

SWEEP 1.5 MC TO 10.0 MC IN 30 SECONDS.

6501 ALHOUJO

TABLE 64

COITIERS, FRANCE (46-6N, 0-3E)

[illegible]

ENDED) 6 M² TO 17 0 M² , MINUTE

SYSTEMIC 1027

CASABLANCA, MOROCCO 133.6N, 7.6W)

TABLE 6
BOMBAY, INDIA (19.0N, 72.8E)

HOUR		TIME 75.0E																							
		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
16F2	MED CNT UQ LO							74 26	92 25	113 24	112 26	128 17	132 20	132 17	134 9	138 17	138 14	135 20	130 18	122 14	114 18	109 7	103 15	100 18	
17F2	MED CNT UQ LO																								
17F	MED CNT UQ LO																								
183000IF2	MED CNT UQ LO							325 26	310 25	290 24	290 26	275 16	270 17	255 18	230 9	230 15	245 12	245 21	260 16	260 14	280 18	290 7	300 12	300 18	305 15
16F1	MED CNT																								
16E	MED CNT																								
17E	MED CNT																								
16Ea	MED CNT																								

SWEEP 1.5 MC TO 18.0 MC IN 5 MINUTES. MANUAL OPERATION.

SEPTEMBER, 1957

TABLE 72

		MADRAS, INDIA (13.11N, 80.3E)																							TIME 75.0E				
		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23				
16F2	MED																												
	CNT	U	U	U	U													U	U	U	U								
	LO	131	125	87	84	74	62	85	122	132	135	130	130	125	131	131	131	134	132	117	114	5	2	2	128				
17F2	MED																												
	CNT																												
	LO																												
17F	MED																												
	CNT																												
	LO																												
183000F2	MED																												
	CNT				U	U												U	U	U									
	LO	4	2	3	6	6	305	300	305	280	265	235	225	220	215	215	220	210	225	220	230	4	3	2	1				
16F1	MED																												
	CNT																												
	LO																												
16E	MED																												
	CNT																												
	LO																												
17E	MED																												
	CNT																												
	LO																												
16Ea	MED																												
	CNT																												
	LO																												

SWEEP 1.5 MC TO 18.0 MC IN 5 MINUTES. MANUAL OPERATION.

SEPTEMBER, 1957

TABLE 6

TAMANHASSET, FRENCH W. AFRICA (22-48N, 5-55E)																							TIME 0-6		
HOUR	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
16F2 MED CMT UQ LO																									
	140	135	110	65	60	65	90	103	110	122	134	140	147	150	150	150	144	140	140	140	140	142	140	140	
	7	10	12	16	18	21	18	22	24	23	26	27	29	22	25	24	22	21	17	9	10	8	11	7	
17F2 MED CMT UQ LO																									
183000IF2 MED CMT UQ LO																									
	250	250	240	232	260	270	250	230	230	220	220	255	240	235	235	240	250	260	292	315	290	288	280	260	
	24	27	25	27	25	27	27	24	26	22	17	16	16	16	22	23	24	27	26	25	26	28	26	28	
16F1 MED CMT UQ LO																									
16E MED CMT UQ LO																									
17E MED CMT UQ LO																									
16Ea MED CMT UQ LO																									

SWEEP 1.4 MC TO 17.0 MC IN 1 MINUTE.

SEPTEMBER, 1957

TABLE 71

Dakar, French W. Africa (16.8N+ 17.4W)																								TIME 0-23			
HOUR	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
16F2 MED CMT UQ LO																											
	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U				
	82	64	56	57	58	68	96	110	140	150	136	150	138	142	165	110	86	1	1	1	1	1	1				
	2	3	7	15	22	22	16	14	7	9	2	4	4	2	1	1	1	1	1	1	1	1	1				
17F2 MED CMT UQ LO																											
	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U				
	250	245	250	310	365	368	395	375	375	360	368	395	375	375	360	368	395	375	375	360	368	395	375				
	1	1	1	1	1	6	2	6	5	3	3	2	6	5	3	3	2	6	5	3	3	2	6				
17F MED CMT UQ LO																											
	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U				
	270	285	250	210	222	220	240	230	220	210	200	200	200	210	218	215	270	240	275	362	375	368	335				
	26	28	24	24	24	24	28	21	21	9	12	13	12	9	12	10	15	19	20	20	25	22	23				
183000IF2 MED CMT UQ LO																											
	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U				
	308	270	265	290	295	305	325	315	300	275	260	240	265	285	1	3	1	1	1	1	1	1	1				
	2	2	5	13	21	18	14	11	5	2	1	1	3	1	1	3	1	1	1	1	1	1	1				
16F1 MED CMT																											
	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U				
	340	370	340	370	340	370	340	370	340	370	340	370	340	370	340	370	340	370	340	370	340	370	340				
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
16E MED CMT																											
	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U				
	435	430	410	430	435	380	410	430	435	430	410	385	348	278	190	190	190	190	190	190	190	190	190				
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
17E MED CMT																											
	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U				
	100	102	105	102	100	102	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105				
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
16Ea MED CMT																											
	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U				
	45	28	45	48	42	45	44	41	44	29	47	45	28	45	28	45	28	45	28	45	28	45	28				
	17	16	24	19	15	13	16	15	18	19	15	13	16	15	18	19	15	13	16	15	18	19	15				

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

SEPTEMBER, 1957

TABLE 74

TIRUCHY. JNOLA (10.8N, 78.7E)

[illegible]

SWEEP 1.5 MC TO 18.0 MC IN 5 MINUTES. MANUAL OPERATION.

SEPTEMBER, 1957

TABLE 73

DIJIBOUTI, FRENCH SOMALILAND (11.6N, 43.2E)

	hour	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
f6	MEQ	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	MD	120	95	78	70	76	69	74	105	126	160	145	145	140	138	138	138	134	130	129	100	100	100	100	100
	LO	17	20	25	28	24	27	27	29	29	29	30	30	30	30	30	30	30	29	30	29	27	19	15	13
f7	MEQ	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	MD	320	332	400	425	405	480	435	495	520															
	LO	1	4	3	3	3	8	4	2																
f8	MEQ	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	MD	260	252	240	245	240	225	230	245	238	230	230	230	230	230	230	235	245	260	295	372	370	348	318	290
	LO	29	30	27	30	27	28	29	30	28	28	21	16	17	19	18	21	23	28	29	26	18	22	26	29
f9	MEQ	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	MD	280	274	275	285	295	315	295	305	282	260	240	230	215	215	215	215	222	220	210	208	210	215	232	245
	LO	12	9	11	15	15	19	23	23	24	26	21	20	25	26	25	20	18	11	12	16	9	6	4	3
f10	MEQ	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	MD	780	800	760	800	760	760	760	760	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690	690
	LO	1	1	1	1	1	1	1	1	2	1	2	1	2	1	2	1	1	1	1	1	1	1	1	1
f11	MEQ	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	MD	350	385	415	430	438	435	420	395	360	300	180													
	LO	21	28	26	16	9	12	17	13	21	19	16	20												
f12	MEQ	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	MD	115	110	110	108	120	115	115	110	118	120	120	118	120	120	120	120	120	120	120	120	120	120	120	120
	LO	22	21	28	11	4	3	4	2	2	4	3	14												
f13	MEQ	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	MD	39	23	23	23	34	28	42	41	60	94	96	95	94	96	90	92	90	45	22					
	LO	29	29	28	30	27	28	28	30	23	28	28	30	27	30	29	27	30	29	28	28	28	28	29	30

[illegible]

SEPTEMBER, 1957

TABLE 76

TRIVANDRUM, INDIA (8.5N, 77.0E)

[illegible]

REDUCED 1.5 MC TO 18.0 MC IN 5 MINUTES, MANUAL OPERATION.

SEPTEMBER, 1957

TABLE 75

MODATYARI - INDIA 110-2N. 77-5E)

	MOUR	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
f6F2	MED CNT LO	114 17	100 19	89 39	86 37	71 21	52 22	76 25	112 28	126 29	130 27	127 28	120 26	120 28	130 29	132 30	124 29	132 30	124 29	132 30	102 22	110 10	112 11	113 11	122 11
f7F2	MED CNT LO												1		2	3									
f7F	MED CNT LO	250 27	250 28	240 28	235 28	225 28	220 28	265 27	240 27	230 27	220 26	215 25	215 26	215 25	215 26	240 26	225 26	240 26	260 27	310 27	400 27	360 19	300 23	290 24	280 25
f8M3000/F2	MED CNT LO	280 17	295 19	300 39	310 17	325 21	330 20	300 24	290 27	250 27	225 27	220 28	215 26	215 27	210 27	210 28	210 28	210 28	210 27	210 28	205 28	205 21	220 10	240 11	255 11
f6F1	MED CNT																								
f6E	MED CNT							260 18	260 12		1	1	1	1	2	2		1	2						
f7E	MED CNT							120 19	110 17		4	2	2			1	2	3		110 6					
f6E1	MED CNT	65 6	4	3		2	23	28	86 28	110 29	114 27	123 28	124 27	124 28	122 30	122 30	120 27	102 27	88 27	46 5		1	4	7	8

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GEORGETOWN. 1957

TABLE 81

KERGUELEN 1. (49°45' 70.3E)

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
16F2	MEQ CMT UQ LQ	35 17 18 33	30 14 11 33	28 16 11 34	28 16 11 34	39 16 21 16	50 21 24 24	58 26 26 26	61 26 27 26	63 27 26 26	68 26 26 26	70 26 26 26	75 26 26 26	75 26 26 26	76 26 26 26	77 26 26 26	77 26 26 26	72 26 26 26	72 26 26 26	66 26 26 26	64 26 26 26	58 25 24	50 25 24	45 25 24
17F2	MEQ CMT UQ LQ					550 7	502 14	510 18	500 23	510 22	500 22	510 21	490 21	480 22	480 21	460 22	450 21	425 21	425 21					
17F	MEQ CMT UQ LQ					350 13	318 14	262 12	242 11	242 11	242 11	242 11	242 11	242 11	242 11	242 11	242 11	242 11	242 11	242 11	242 11	242 11	242 11	242 11
18F	MEQ CMT UQ LQ					250 16	250 16	250 16	250 16	250 16	250 16	250 16	250 16	250 16	250 16	250 16	250 16	250 16	250 16	250 16	250 16	250 16	250 16	250 16
19F	MEQ CMT UQ LQ					245 12	252 14	252 14	252 14	252 14	252 14	252 14	252 14	252 14	252 14	252 14	252 14	252 14	252 14	252 14	252 14	252 14	252 14	252 14
20F	MEQ CMT UQ LQ					300 2	360 8	450 16	500 22	500 22	500 22	500 22	500 22	500 22	500 22	500 22	500 22	500 22	500 22	500 22	500 22	500 22	500 22	500 22
21F	MEQ CMT UQ LQ					142 8	230 20	275 23	350 24	350 24	350 24	350 24	350 24	350 24	350 24	350 24	350 24	350 24	350 24	350 24	350 24	350 24	350 24	350 24
22F	MEQ CMT UQ LQ					105 1	105 1	105 1	105 1	105 1	105 1	105 1	105 1	105 1	105 1	105 1	105 1	105 1	105 1	105 1	105 1	105 1	105 1	105 1
23F	MEQ CMT UQ LQ					15 15	15 15	15 15	15 15	15 15	15 15	15 15	15 15	15 15	15 15	15 15	15 15	15 15	15 15	15 15	15 15	15 15	15 15	15 15

SWEEP 0.88 MC TO 14.14 MC IN 10 MINUTES* AUTOMATIC OPERATION.

FEBRUARY, 1957

TABLE 82

CANNBERRA, AUSTRALIA (35°35' 34.9°OE)

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
16F2	MEQ CMT UQ LQ	80 23	75 26	70 23	70 23	69 23	65 21	72 21	78 21	80 20	85 17	89 21	95 19	96 23	92 26	92 28	88 27	85 24	82 25	84 25	80 25	82 24	85 21	85 25
17F2	MEQ CMT UQ LQ					530 8	430 10	430 11	430 11	430 11	430 11	430 11	430 11	430 11	430 11	430 11	430 11	430 11	430 11	430 11	430 11	430 11	430 11	430 11
17F	MEQ CMT UQ LQ					300 20	300 21	300 21	300 21	300 21	300 21	300 21	300 21	300 21	300 21	300 21	300 21	300 21	300 21	300 21	300 21	300 21	300 21	300 21
18F	MEQ CMT UQ LQ					250 19	250 18	250 18	250 18	250 18	250 18	250 18	250 18	250 18	250 18	250 18	250 18	250 18	250 18	250 18	250 18	250 18	250 18	250 18
19F	MEQ CMT UQ LQ					450 10	560 12	620 14	620 14	620 14	620 14	620 14	620 14	620 14	620 14	620 14	620 14	620 14	620 14	620 14	620 14	620 14	620 14	620 14
20F	MEQ CMT UQ LQ					170 12	250 17	320 17	360 16	380 16	400 16	400 16	400 16	400 16	400 16	400 16	400 16	400 16	400 16	400 16	400 16	400 16	400 16	400 16
21F	MEQ CMT UQ LQ					38 27	39 26	35 26	28 26	28 26	28 26	28 26	28 26	28 26	28 26	28 26	28 26	28 26	28 26	28 26	28 26	28 26	28 26	28 26

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

JANUARY, 1957

TABLE 83

KERGUELEN 1. (49°45' 70.3E)

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
16F2	MEQ CMT UQ LQ	40 20	38 19	35 18	35 18	45 22	50 27	59 28	62 28	65 28	68 28	70 28	73 28	74 28	74 28	74 28	71 28	69 28	68 28	65 28	60 28	55 28	50 28	44 28
17F2	MEQ CMT UQ LQ					545 2	505 14	508 20	508 26	545 26	545 26	545 26	545 26	545 26	545 26	545 26	545 26	545 26	545 26	545 26	545 26	545 26	545 26	545 26
17F	MEQ CMT UQ LQ					352 11	295 11	252 11	245 11	245 11	245 11	245 11	245 11	245 11	245 11	245 11	245 11	245 11	245 11	245 11	245 11	245 11	245 11	245 11
18F	MEQ CMT UQ LQ					250 19	248 16	240 17	245 17	245 17	245 17	245 17	245 17	245 17	245 17	245 17	245 17	245 17	245 17	245 17	245 17	245 17	245 17	245 17
19F	MEQ CMT UQ LQ					380 6	440 19	480 25	480 25	480 25	480 25	480 25	480 25	480 25	480 25	480 25	480 25	480 25	480 25	480 25	480 25	480 25	480 25	480 25
20F	MEQ CMT UQ LQ					170 3	230 19	270 24	310 24	330 24	330 24	330 24	330 24	330 24	330 24	330 24	330 24	330 24	330 24	330 24	330 24	330 24	330 24	330 24
21F	MEQ CMT UQ LQ					120 2	100 9	100 17	100 23	100 23	100 23	100 23	100 23	100 23	100 23	100 23	100 23	100 23	100 23	100 23	100 23	100 23	100 23	100 23
22F	MEQ CMT UQ LQ					32 2	40 9	38 21	38 21	38 21	38 21	38 21	38 21	38 21	38 21	38 21	38 21	38 21	38 21	38 21	38 21	38 21	38 21	38 21

SWEEP 0.88 MC TO 14.14 MC IN 10 MINUTES* AUTOMATIC OPERATION.

JANUARY, 1957

TABLE 84

CANNBERRA, AUSTRALIA (35°35' 34.9°OE)

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
16F2	MEQ CMT UQ LQ	80 25	75 25	73 25	70 25	65 25	65 25	76 25	78 25	83 25	86 25	90 25	90 25	92 25	89 25	88 25	88 25	85 25	86 25	82 25	80 25	82 25	85 25	85 25
17F2	MEQ CMT UQ LQ					440 1	455 4	455 7	455 12	455 17	455 16	455 24	455 28	455 30	455 29	455 27	455 27	455 27	455 27	455 27	455 27	455 27	455 27	455 27
17F	MEQ CMT UQ LQ					300 18	300 17	300 18	300 18	300 18	300 18	300 18	300 18	300 18	300 18	300 18	300 18	300 18	300 18	300 18	300 18	300 18	300 18	300 18
18F	MEQ CMT UQ LQ					250 18	250 17	250 17	250 17	250 17	250 17	250 17	250 17	250 17	250 17	250 17	250 17	250 17	250 17	250 17	250 17	250 17	250 17	250 17
19F	MEQ CMT UQ LQ					450 10	560 12	620 14	620 14	620 14	620 14	620 14	620 14	620 14	620 14	620 14	620 14	620 14	620 14	620 14	620 14	620 14	620 14	620 14
20F	MEQ CMT UQ LQ					170 12	250 17	320 17	360 16	380 16	400 16	400 16	400 16	400 16	400 16	400 16	400 16	400 16	400 16	400 16	400 16	400 16	400 16	400 16
21F	MEQ CMT UQ LQ					38 27	39 26	35 26	28 26	28 26	28 26	28 26	28 26	28 26	28 26	28 26	28 26	28 26	28 26	28 26	28 26	28 26	28 26	28 26

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

DECEMBER, 1956

TABLE 90

FREIBURG, GERMANY (Feb. 1974, 7-8:30)														TIME LOCAL										
HOUR	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
f62																								
MED	30	30	37	38	36	33	31	46	39	81	91	93	96	96	96	92	95	81	87	82	84	80	39	38
LO	29	29	29	28	36	38	39	28	29	28	29	28	28	28	28	28	28	29	28	29	28	29	28	
UD	52	50	50	48	44	41	38	57	84	94	102	102	102	102	101	102	100	94	82	71	52	56	54	
LD	34	33	32	34	32	28	25	40	64	75	80	88	88	84	82	82	80	70	51	50	37	34	32	
n'f2																								
MED	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	
LO																								
n'f																								
MED	285	275	280	280	270	260	260	242	225	222	220	220	230	230	230	230	230	230	225	228	235	258	288	290
LO	28	29	29	29	28	28	27	26	28	26	27	23	25	26	26	25	28	29	27	29	27	28	28	
n'f3000IF2																								
MED	274	278	279	277	276	289	294	315	338	342	334	330	335	328	327	331	330	327	316	312	303	288	274	276
LO	288	299	297	290	276	327	370	328	358	370	365	341	348	351	338	346	360	355	326	331	324	294	288	287
UD	268	270	267	270	268	276	276	310	328	320	316	316	328	320	318	314	326	316	306	300	293	278	264	266
f61																								
MED																								
CNT																								
f6																								
MED																								
CNT																								
n'E																								
MED																								
CNT																								
f6Ea																								
MED	29	29	29	29	29	28	29	28	28	28	27	29	27	27	28	28	16	18	22	17	E	E	E	
CNT																								

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

FEBRUARY, 1956

TABLE 92

[illegible]

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

DECEMBER, 1955

TABLE 89

FREIBURG, GERMANY (48°N, 7°NE)													TIME LOCAL												
HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
f6F2	MED	51	53	51	49	46	39	27	67	92	90	101	96	108	106	110	96	104	96	94	87	72	67	62	58
	LOW	51	50	51	50	46	39	27	67	92	90	101	96	108	106	110	96	104	96	94	87	72	67	62	58
	HI	58	56	55	55	50	45	51	72	92	100	110	110	116	113	116	106	106	99	98	91	79	71	66	62
	LO	51	48	43	40	35	33	40	59	68	68	91	97	102	98	103	96	96	92	88	74	64	54	55	52
h'F2	MED							3		6	120	250	255	260	288	250	258	250							
	LOW							3		6	120	250	255	260	288	250	258	250							
	HI							3		6	120	250	255	260	288	250	258	250							
	LO							3		6	120	250	255	260	288	250	258	250							
h'F	MED	312	302	290	285	285	275	265	235	230	225	220	220	220	222	230	230	235	240	230	230	235	246	260	288
	LOW	312	302	290	285	285	275	265	235	230	225	220	220	220	222	230	230	235	240	230	230	235	246	260	288
	HI	312	302	290	285	285	275	265	235	230	225	220	220	220	222	230	230	235	240	230	230	235	246	260	288
	LO	312	302	290	285	285	275	265	235	230	225	220	220	220	222	230	230	235	240	230	230	235	246	260	288
f6F2	MED	255	255	262	267	260	268	269	313	312	306	300	298	286	300	296	298	306	304	311	311	289	276	269	258
	LOW	255	255	262	267	260	268	269	313	312	306	300	298	286	300	296	298	306	304	311	311	289	276	269	258
	HI	270	264	273	274	268	290	300	321	317	312	307	303	286	300	297	292	312	316	325	331	313	311	303	288
	LO	234	241	242	247	247	258	276	299	301	286	291	288	282	292	288	282	296	298	303	289	278	269	256	248
f6F1	MED					1	3	3	5	6	8	5	11	3											
	LOW					1	3	3	5	6	8	5	11	3											
	HI					1	3	3	5	6	8	5	11	3											
	LO					1	3	3	5	6	8	5	11	3											
f6E	MED					E				17	28	27	23	26	28	24	28	29	31	23	11				
	LOW					E				17	28	27	23	26	28	24	28	29	31	23	11				
	HI					E				17	28	27	23	26	28	24	28	29	31	23	11				
	LO					E				17	28	27	23	26	28	24	28	29	31	23	11				
h'E	MED					E				116	121	108	104	108	106	107	108	115	116						
	LOW					E				116	121	108	104	108	106	107	108	115	116						
	HI					E				116	121	108	104	108	106	107	108	115	116						
	LO					E				116	121	108	104	108	106	107	108	115	116						
f6E	MED	31	31	31	31	E	E	E	E	14	30	31	29	27	21	15	17	19	16	16		E	E	E	
	LOW	31	31	31	31	E	E	E	E	14	30	31	29	27	21	15	17	19	16	16		E	E	E	
	HI	31	31	31	31	E	E	E	E	14	30	31	29	27	21	15	17	19	16	16		E	E	E	
	LO	31	31	31	31	E	E	E	E	14	30	31	29	27	21	15	17	19	16	16		E	E	E	

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

MARCH, 1956

TABLE 91

[illegible]

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

JANUARY, 1954

TABLE 94

[illegible]

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

NOVEMBER, 1955

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

TABLE 96

[illegible]

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

OCTOBER, 1955

SWEEP 1.0 MC TO 13.0 MC IN 2 MINUTES.

TABLE 93

[illegible]

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

NOVEMBER, 1955

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

TABLE 95

[illegible]

SWEEP 1.0 MC TO 13.0 MC IN 2 MINUTES.

OCTOBER, 1955

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

TABLE 97
LWIRCO, CONGO (12:35+ 28+BE)

hour		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
6F2	MED	64	61	55	50	43	40	54	78	86	100	102	104	108	103	100	105	106	108	114	122	128	132	118	92
	CNT	16	17	13	15	17	18	18	18	19	17	19	16	18	17	14	18	18	18	16	18	14	12	11	13
	LO																								
6F2	MED								252	275	285	290	305	300	315	350	352	332	335						
	CNT								18	19	17	19	16	17	17	15	18	16	14						
	LO																								
6F	MED	195	212	238	255	270	255	245	235	225	215	208	200	195	195	195	195	220	245	270	285	265	225	205	195
	CNT	17	18	18	18	17	18	18	14	16	9	10	13	12	14	15	7	7	9	14	17	18	17	16	17
	LO																								
IM3000IF2	MED	325	298	287	282	286	309	333	356	324	321	318	294	298	280	288	266	268	273	284	288	296	336	355	344
	CNT	15	14	12	13	16	15	17	18	19	17	19	16	18	17	13	18	18	18	15	16	9	7	9	13
	LO																								
6F1	MED										485	490	490	495	490	490	490	480							
	CNT										3	8	13	13	12	13	9	5							
6E	MED								E	229	269	327	349	358	360	360	348	333	295	240					
	CNT								5	16	19	17	16	13	11	11	14	17	14	9	1				
6E	MED								E	115	109	107	105	107	109	109	111	110	111	113					
	CNT								5	9	10	5	6	7	6	6	11	10	6	1					
6Ea	MED	E	E	13	15	13	14	18	17	20	19	21	31	33	25	26	31	30	28	24	20	15	E	E	E
	CNT	17	18	18	17	17	18	18	17	19	17	19	15	18	16	17	19	18	20	19	18	19	17	16	16

SWEEP 1+25 MC TO 20.0 MC IN 10 MINUTES, AIRWATER OPERATION

SEPTEMBER, 1955

TABLE 98
CAMPBELL 1, 152+55+ 169+2E1

TIME 165:0E	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
6F2	MED								49	53	55	57	59	60	60	58	58	58	53	48	41	34	30	27
	CNT								21	29	29	29	30	30	30	30	30	29	27	28	28	27	23	21
	LO																							
6F2	MED	280	260	260	290	300	320	320	320	320	310	290	270	270	250	260	270	270	250	260	270	270		
	CNT	9	25	25	26	29	28	29	30	30	30	30	30	30	29	26	19							
	LO																							
6F	MED																							
	CNT																							
	LO																							
IM3000IF2	MED	310	320	320	320	310	310	310	310	300	310	310	310	310	300	310	310	305	305	305	305	295	290	280
	CNT	15	29	29	28	29	28	29	29	30	30	30	30	30	30	30	29	27	28	26	26	22	18	18
	LO																							
6F1	MED	290	370	410	420	430	430	430	430	430	410	390	350											
	CNT	10	26	26	27	30	28	30	29	27	28	27	25											
6E	MED	220	250	280	300	300	310	290	280	260	240	210												
	CNT	24	28	24	22	22	15	18	21	18	21	5												
6E	MED	130	130	125	125	125	120	125	130	130	130	140												
	CNT	24	28	24	21	22	15	18	21	18	20	5												
6Ea	MED	18	22																					
	CNT	7	5																					

SWEEP 1+0 MC TO 13+0 MC IN 2 MINUTES

SEPTEMBER, 1955

TABLE 99
LWIRCO, CONGO (12:35+ 28+BE)

hour		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
6f2	MED	59	54	48	43	28	27	36	68	88	90	88	92	96	101	97	93	92	93	96	96	84	89	60	62
	CNT	29	24	24	25	24	28	31	30	31	31	31	30	31	29	30	29	30	27	30	30	27	29	28	26
	LO																								
6F2	MED	258	280	275	290	290	295	295	320	310	302	290													
	CNT	30	31	30	30	31	30	30	30	30	27	28	24												
	LO																								
6F	MED	225	210	225	245	255	255	258	235	225	220	210	205	200	195	190	190	210	242	250	250	225	210	205	212
	CNT	31	30	28	28	25	25	30	21	17	15	17	21	21	28	21	11	11	16	26	48	29	30	31	30
	LO																								
IM3000IF2	MED	317	313	312	308	304	320	324	346	337	342	325	315	314	307	296	292	286	295	303	314	333	351	344	336
	CNT	25	19	18	19	18	20	28	30	30	30	30	30	31	29	30	28	30	26	27	28	27	26	26	29
	LO																								
6f1	MED									420	450	460	470	470	460	450	430	420							
	CNT									2	19	18	18	20	25	23	15	9	1						
6E	MED																								
	CNT																								
	LO																								
6E	MED																								
	CNT																								
	LO																								
6E	MED																								
	CNT																								
	LO																								
6E	MED																								
	CNT																								
	LO																								
6Ea	MED																								
	CNT																								
	LO																								

SWEEP 1+25 MC TO 20.0 MC IN 10 MINUTES, AIRWATER OPERATION

AUGUST, 1955

TABLE 100
LWIRCO, CONGO (12:35+ 28+BE)

HOUR		00	01	02	03	04	05	06	07	08	09	10	
6F2	MED	22	23	41	36	33	27	35	66	76	76	85	83
	CNT	22	22	15	20	22	22	29	28	28	30	30	30
	LO												
6F2	MED	255	260	272	280	280	300	295	310	305	288	290	
	CNT	28	27	30	29	28	31	29	29	26	28	26	
	LO												
6F	MED	220	228	220	230	240	240	255	240	225	215	205	200
	CNT	26	26	26	22	22	17	26	19	17	15	13	16
	LO												
IM3000IF2	MED	331	318	320	318	324	322	334	356	358	348	345	333
	CNT	20	18	14	17	18	16	7	27	46	28	29	28
	LO												
6F1	MED	410	440	460	460	460	460	460	460	460	460	460	460
	CNT	2	2	2	2	2	2	2	2	2	2	2	2
6F5	MED	275	310	330	344	330	344	330	344	330	344	330	344
	CNT	14	23	27	29	29	29	29	29	29	29	29	29
	LO												
6F6	MED	109	107	107	107	107	107	107	107	107	107	107	107
	CNT	21	25	21	22	24	22	24	22	24	22	24	22
	LO												
6F5A	MED	24	23	26	26	28	22	29	28	29	28	29	28
	CNT	26	26	30	26	28	22	29	28	29	28	29	28
	LO

Fig. 1. FAIRBANKS, ALASKA

64.9°N, 147.8°W

OCTOBER 1961

NBS 503

Fig. 2. ANCHORAGE, ALASKA

61.2°N, 149.9°W

SEPTEMBER 1961

NBS 503

Fig. 3. HUANCAYO, PERU

12.0°S, 75.3°W

SEPTEMBER 1961

NBS 503

Fig. 4. POINT BARROW, ALASKA

71.3°N, 156.8°W

NOVEMBER 1960

NBS 503

Fig. 5. GODHAVN, GREENLAND
69.3°N, 53.5°W NOVEMBER 1960

Fig. 6. NARSSARSSUAQ, GREENLAND
61.2°N, 45.4°W NOVEMBER 1960

Fig. 7. GRAND BAHAMA I.
26.6°N, 78.2°W NOVEMBER 1960

Fig. 8. MAUI, HAWAII
20.8°N, 156.5°W NOVEMBER 1960

Fig. 9. BAGUIO, P. I.
16.4°N, 120.6°E NOVEMBER 1960

Fig. 10. La PAZ, BOLIVIA
16.5°S, 68.1°W NOVEMBER 1960

Fig. 11. CONCEPCION, CHILE
36.6°S, 73.0°W NOVEMBER 1960

Fig. 12. BYRD STATION
80.0°S, 120.0°W NOVEMBER 1960

Fig. 13. POINT BARROW, ALASKA
71.3°N, 156.8°W OCTOBER 1960

Fig. 15. FAIRBANKS, ALASKA
64.9°N, 147.8°W OCTOBER 1960

Fig. 14. GODHAVN, GREENLAND
69.3°N, 53.5°W OCTOBER 1960

Fig. 16. REYKJAVIK, ICELAND
64.1°N, 21.8°W OCTOBER 1960

Fig. 17. NARSSARSSUAQ, GREENLAND
61.2°N, 45.4°W OCTOBER 1960

NBS 503

Fig. 18. BOULDER, COLORADO
40.0°N, 105.3°W OCTOBER 1960

NBS 503

Fig. 19. GRAND BAHAMA I.
26.6°N, 78.2°W OCTOBER 1960

NBS 503

Fig. 20. MAUI, HAWAII
20.8°N, 156.5°W OCTOBER 1960

NBS 503

Fig. 21. CONCEPCION, CHILE
36.6°S, 73.0°W
OCTOBER 1960

Fig. 22. BYRD STATION
80.0°S, 120.0°W
OCTOBER 1960

Fig. 23. BYRD STATION
80.0°S, 120.0°W
SEPTEMBER 1960

Fig. 24. POLE STATION
90.0°S
SEPTEMBER 1960

Fig. 29. AHMEDABAD, INDIA
23.0°N, 72.6°E

APRIL 1959

Fig. 30. BOMBAY, INDIA
19.0°N, 72.8°E

APRIL 1959

Fig. 31. MADRAS, INDIA
13.1°N, 80.3°E

APRIL 1959

Fig. 32. TIRUCHY, INDIA
10.8°N, 78.7°E

APRIL 1959

Fig. 33. KODAIKANAL, INDIA
10.2°N, 77.5°E

APRIL 1959

NBS 503

Fig. 34. TRIVANDRUM, INDIA
8.5°N, 77.0°E

APRIL 1959

NBS 503

Fig. 35. HALLEY BAY
75.5°S, 26.6°W

OCTOBER 1958

NBS 503

Fig. 36. SVALBARD, NORWAY
78.2°N, 15.7°E

SEPTEMBER 1958

NBS 503

Fig. 37. ALERT, CANADA
82.6°N, 62.6°W

JULY 1958

Fig. 38. ALERT, CANADA
82.6°N, 62.6°W

JUNE 1958

Fig. 39. DECEPCION I
63.0°S, 60.7°W

JUNE 1958

Fig. 40. ALERT, CANADA
82.6°N, 62.6°W

MAY 1958

Fig. 41. DECEPCION I.
63.0°S, 60.7°W

MAY 1958

NBS 503

Fig. 42. DECEPCION I.
63.0°S, 60.7°W

FEBRUARY 1958

NBS 503

Fig 43. DECEPCION I.
63.0°S, 60.7°W

JANUARY 1958

NBS 503

Fig 44. ALERT, CANADA
82.6°N, 62.6°W

DECEMBER 1957

NBS 503

Fig. 45. CLYDE, BAFFIN I.

70.5°N, 68.6°W

DECEMBER 1957

Fig. 46. LULEA, SWEDEN

65.6°N, 22.1°E

DECEMBER 1957

Fig. 47. PARAMARIBO, SURINAM

5.8°N, 55.2°W

DECEMBER 1957

Fig. 48. BUENOS AIRES, ARGENTINA

34.5°S, 58.5°W

DECEMBER 1957

Fig. 49. MACQUARIE I.
54.5°S, 159.0°E DECEMBER 1957

NB5 503

Fig. 50. CAPE HALLETT
72.3°S, 170.3°E DECEMBER 1957

NB5 503

Fig. 51. ALERT, CANADA
82.6°N, 62.6°W NOVEMBER 1957

NB5 503

Fig. 52. CLYDE, BAFFIN I.
70.5°N, 68.6°W NOVEMBER 1957

NB5 503

Fig. 53. PARAMARIBO, SURINAM
5.8°N, 55.2°W NOVEMBER 1957

Fig. 54. BUENOS AIRES, ARGENTINA
34.5°S, 58.5°W NOVEMBER 1957

Fig. 55. DECEPCION I.
63.0°S, 60.7°W NOVEMBER 1957

Fig. 56. ALERT, CANADA
82.6°N, 62.6°W OCTOBER 1957

Fig. 57. CLYDE, BAFFIN I.
70.5°N, 68.6°W

OCTOBER 1957

NBS 503

Fig. 58. POITIERS, FRANCE
46.6°N, 0.3°E

OCTOBER 1957

NBS 503

Fig. 59. CASA BLANCA, MOROCCO
33.6°N, 7.6°W

OCTOBER 1957

NBS 503

Fig. 60. DAKAR, FRENCH W. AFRICA
14.8°N, 17.4°W

OCTOBER 1957

NBS 503

Fig. 61. DJIBOUTI, FRENCH SOMALILAND
11.6°N, 43.2°E
OCTOBER 1957

Fig. 62. TANANARIVE, MADAGASCAR
18.8°S, 47.5°E
OCTOBER 1957

Fig. 63. DECEPTION I.
63.0°S, 60.7°W
OCTOBER 1957

Fig. 64. POITIERS, FRANCE
46.6°N, 0.3°E
SEPTEMBER 1957

Fig. 65. CASABLANCA, MOROCCO

33.6°N, 7.6°W

SEPTEMBER 1957

NBS 503

Fig. 66. DELHI, INDIA

28.6°N, 77.2°E

SEPTEMBER 1957

NBS 503

Fig. 67. AHMEDABAD, INDIA

23.0°N, 72.6°E

SEPTEMBER 1957

NBS 503

Fig. 68. CALCUTTA, INDIA

23.0°N, 88.6°E

SEPTEMBER 1957

NBS 503

Fig. 69. TAMANRASSET, FRENCH W. AFRICA
22.8°N, 5.5°E SEPTEMBER 1957

Fig. 70. BOMBAY, INDIA
19.0°N, 72.8°E SEPTEMBER 1957

Fig. 71. DAKAR, FRENCH W. AFRICA
14.8°N, 17.4°W SEPTEMBER 1957

Fig. 72. MADRAS, INDIA
13.1°N, 80.3°E SEPTEMBER 1957

Fig. 73. DJIBOUTI, FRENCH SOMALILAND
11.6°N, 43.2°E SEPTEMBER 1957

NBS 503

Fig. 74. TIRUCHY, INDIA
10.8°N, 78.7°E SEPTEMBER 1957

NBS 503

Fig. 75. KODAIKANAL, INDIA
10.2°N, 77.5°E SEPTEMBER 1957

NBS 503

Fig. 76. TRIVANDRUM, INDIA
8.5°N, 77.0°E SEPTEMBER 1957

NBS 503

Fig. 77. TANANARIVE, MADAGASCAR
18.8°S, 47.5°E SEPTEMBER 1957

Fig. 78. DECEPTION I.
63.0°S, 60.7°W SEPTEMBER 1957

Fig. 79. CANBERRA, AUSTRALIA
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48.1°N, 7.8°E
MAY 1956

Fig. 88. FREIBURG, GERMANY
48.1°N, 7.8°E
APRIL 1956

Fig. 89. FREIBURG, GERMANY
48.1°N, 7.8°E

MARCH 1956

NBS 503

Fig. 90. FREIBURG, GERMANY
48.1°N, 7.8°E

FEBRUARY 1956

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Fig. 91. FREIBURG, GERMANY
48.1°N, 7.8°E

JANUARY 1956

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Fig. 92. FREIBURG, GERMANY
48.1°N, 7.8°E

DECEMBER 1955

NBS 503

Fig. 93. FREIBURG, GERMANY
48.1°N, 7.8°E NOVEMBER 1955

Fig. 94. FREIBURG, GERMANY
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Fig. 95. CAMPBELL I.
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Fig. 96. FREIBURG, GERMANY
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Fig. 97. LWIRO, CONGO
2.3°S, 28.8°E

SEPTEMBER 1955

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Fig. 98. CAMPBELL I.
52.5°S, 169.2°E

SEPTEMBER 1955

NBS 503

Fig. 99. LWIRO, CONGO
2.3°S, 28.8°E

AUGUST 1955

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Fig. 100. LWIRO, CONGO
2.3°S, 28.8°E

JULY 1955

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