# PART A

# IONOSPHERIC DATA

ISSUED
JULY 1962

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

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PART A

NATIONAL BUREAU OF STANDARDS
CENTRAL RADIO PROPAGATION LABORATORY
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Issued
23 July 1962

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The CRPL-F series bulletins are issued as part of the responsibility of the Central Radio Propagation Laboratory for the exchange and 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 foF2, h'F2, h'F, and (M3000)F2. Quartile values are not listed for the other characteristics because of space limitations. The tables are prepared by IBM machine methods, which, by improving the speed and efficiency of preparation, permit earlier publication of the data.

Graphs of critical frequencies and (M3000)F2 will continue to appear. Graphs of percentage of time of occurrence for fEs and virtual heights of the regular ionospheric layers are no longer included. This change was necessary to provide space for the enlarged tables. Data on percentage of time of occurrence of fEs above 3, 5, and 7 Mc are still available from the CRPL and the IGY World Data Center A for Airglow and Ionosphere.

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

Gaps in the tables when data normally might be expected indicate the data were not provided by the originator. Following the recommendation of the World-Wide Soundings Committee, only values of median foEs are listed. In the few cases where fEs is still reported instead of foEs, the data will not be printed. Data will appear in the F-series, Part A, only when the complete daily-hourly tabulations have been received by the CRPL or the IGY World Data Center A for Airglow and Ionosphere.

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

The following table contains the latest available information on smoothed observed Zurich sunspot numbers, beginning with the minimum of April 1954. Final numbers are listed through June 1961, the succeeding values being based on provisional data.

Smoothed Observed Zurich Sunspot Number

| Month | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1954 | | | | 3 | 4 | 4 | 5 | 7 | 8 | 8 | 9 | 12 |
| 1955 | 14 | 16 | 19 | 23 | 29 | 35 | 40 | 46 | 55 | 64 | 73 | 81 |
| 1956 | 89 | 98 | 109 | 119 | 127 | 137 | 146 | 150 | 151 | 156 | 160 | 164 |
| 1957 | 170 | 172 | 174 | 181 | 186 | 188 | 191 | 194 | 197 | 200 | 201 | 200 |
| 1958 | 199 | 201 | 201 | 197 | 191 | 187 | 185 | 185 | 184 | 182 | 181 | 180 |
| 1959 | 179 | 177 | 174 | 169 | 165 | 161 | 156 | 151 | 146 | 141 | 137 | 132 |
| 1960 | 129 | 125 | 122 | 120 | 117 | 114 | 109 | 102 | 98 | 93 | 88 | 84 |
| 1961 | 80 | 75 | 69 | 64 | 60 | 56 | 53 | 52 | 52 | 51 | 50 | 48 |
| 1962 | | | | | | | | | | | | |

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:
- Trelew, Argentina
- Tucuman, Argentina
- Ushuaia, Argentina

Commonwealth of Australia, Ionospheric Prediction Service of the Commonwealth Observatory:
- Townsville, Australia

Belgian Royal Meteorological Institute:
- Dourbes, Belgium
- Lwiro (Central African Institute for Scientific Research)

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

Defence Research Board, Canada:
- Alert, Canada
- Clyde, Baffin I.
- Victoria, Canada
- Yellowknife, Canada

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 W. Africa
- Tananarive, Madagascar
- Terre Adelie

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

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

Ionospheric Institute, Breisach, Germany:
- Freiburg, Germany

The Royal Netherlands Meteorological Institute:
Hollandia, Netherlands New Guinea

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)

Ministry of Postal Services, Radio Research Laboratories, Tokyo, Japan:
Akita, Japan
Tokyo (Kokubunji), Japan
Wakkanai, Japan
Yamagawa, Japan

Christchurch Geophysical Observatory, New Zealand Department of Scientific and Industrial Research:
Campbell I.

Telecommunication Administration, Oslo, Norway:
Svalbard, Norway

Manila Observatory:
Baguio, P. I.

United States Army Signal Corps:
Adak, Alaska
Grand Bahama I.
Thule, Greenland

National Bureau of Standards (Central Radio Propagation Laboratory):
Anchorage, Alaska
Boulder, Colorado
Fairbanks (College), Alaska (Geophysical Institute of the University of 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:

| Quantity | Units | Remarks |
|---|---|---|
| Electron Density (N) | $x10^3$ = electrons/$cm^3$ | Body of table; given at each 10 km of height. |
| NMAX | $x10^3$ = 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 | $x10^{10}$ = 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.

## SPECIAL NOTICE

### Termination of Hourly Electron Density Profile Tabulations

Hourly N(h) profiles for the Puerto Rico station have been published in the CRPL-F Reports, Part A, since May 1959, starting with the data for February 1959. This program now terminates with the publication in this issue of the data for March 1962. It is believed that this program has satisfied the objective of making available a large volume of profiles produced by methods of conventional accuracy. However, in anticipation of the increasing precision required by modern applications, we intend to concentrate further work on the calculation of more accurate profiles, inevitably in smaller volume.

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 1 MAR 1962

| TIME | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G,KP | 3 | | | 3 | F3 | 3 | F3 | F3 | S3 | 3 | 3 | 3 | 3 |
| HMIN | 235 | 23 | 3 | 214 | 226 | 212 | 224 | 235 | 110 | 110 | 104 | 108 | 106 |
| SCAT | 36.2 | 37.6 | | 43.3 | 32.4 | 30.3 | 27.6 | 38.5 | 34.1 | 37.5 | 42.9 | 54.5 | 37.3 |
| HMAXF | 353 | 303 | | 269 | 250 | 264 | 242 | 318 | 241 | 243 | 253 | 287 | 287 |
| SHMAX | 1 9 | 143 | | 111 | 135 | 101 | 70 | 98 | 197 | 322 | 467 | 816 | 847 |
| KM | | | | | | | | | | | | | |
| 330 | 385 | | | | | | | | | | | | |
| 320 | 384 | | | | | | | 188 | | | | | |
| 310 | 372 | 353 | | | | | | 186 | | | | | |
| 300 | 345 | 330 | | | | | 183 | 178 | | | | | |
| 290 | 305 | 323 | | | 326 | | 167 | 163 | | | | 886 | 1114 |
| 280 | 248 | 266 | | | 314 | | 140 | 144 | | | | 863 | 1123 |
| 270 | 164 | 225 | | 340 | 295 | 268 | 161 | 117 | | | | 865 | 1156 |
| 260 | 87.0 | 146 | | 330 | 257 | 261 | 134 | 82.3 | | | 607 | 833 | 1041 |
| 250 | 44.6 | 87.6 | | 296 | 196 | 241 | 99.7 | 45.7 | 349 | 512 | 607 | 784 | 987 |
| 240 | 16.5 | 26.0 | | 218 | 101 | 203 | 61.2 | 20.7 | 346 | 511 | 595 | 726 | 854 |
| 230 | | | | 109 | 29.4 | 139 | 29.5 | | 329 | 496 | 565 | 652 | 703 |
| 220 | | | | 23.7 | | 54.3 | | | 236 | 462 | 522 | 566 | 571 |
| 210 | | | | | | | | | 250 | 410 | 467 | 473 | 462 |
| 200 | | | | | | | | | 191 | 336 | 407 | 374 | 364 |
| 190 | | | | | | | | | 133 | 258 | 346 | 334 | 332 |
| 180 | | | | | | | | 91.1 | 144 | 288 | 292 | 296 | |
| 170 | | | | | | | | 66.3 | 150 | 236 | 261 | 269 | |
| 160 | | | | | | | | 53.3 | 122 | 145 | 231 | 241 | |
| 150 | | | | | | | | 47.1 | 105 | 163 | 202 | 209 | |
| 140 | | | | | | | | 43.4 | 94.7 | 141 | 176 | 177 | |
| 130 | | | | | | | | 35.5 | 80.2 | 127 | 151 | 160 | |
| 120 | | | | | | | | 28.7 | 72.1 | 112 | 134 | 152 | |
| 110 | | | | | | | | .4 | 12.4 | 48.8 | 85.6 | 105 | |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 1 MAR 1962

| TIME | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G,KP | 3 | B3 | 1 | A1 | 1 | 2 | S2 | 2 | 2 | S2 | S2 | 2 |
| HMIN | 108 | | 108 | | 108 | 108 | | 194 | 200 | 216 | 251 | 251 |
| SCAT | 44.9 | | 40.0 | | 35.6 | 38.2 | | 38.5 | 34.2 | 41.5 | 36.4 | 34.5 |
| HMAXF | 289 | | 278 | | 275 | 275 | | 270 | 267 | 333 | 343 | 344 |
| SHMAX | 1096 | | 937 | | 767 | 733 | | 418 | 148 | 204 | 163 | 167 |
| KM | | | | | | | | | | | | |
| 350 | | | | | | | | | | | 297 | 297 |
| 340 | | | | | | | | | | 311 | 297 | 297 |
| 330 | | | | | | | | | | 311 | 288 | 289 |
| 320 | | | | | | | | | | 303 | 267 | 270 |
| 310 | | | | | | | | | | 287 | 233 | 244 |
| 300 | | | | | | | | | | 261 | 205 | 209 |
| 290 | 1417 | | | | | | | | | 231 | 163 | 166 |
| 280 | 1402 | | 1240 | | 1131 | 1131 | | | | 197 | 120 | 126 |
| 270 | 1352 | | 1227 | | 1124 | 1126 | | 941 | 448 | 162 | 76.9 | 71.6 |
| 260 | 1264 | | 1176 | | 1078 | 1087 | | 925 | 443 | 129 | 37.1 | 36.0 |
| 250 | 1146 | | 1085 | | 966 | 1004 | | 878 | 420 | 93.0 | | |
| 240 | 976 | | 964 | | 861 | 897 | | 800 | 378 | 61.8 | | |
| 230 | 784 | | 827 | | 716 | 756 | | 644 | 308 | 37.1 | | |
| 220 | 606 | | 680 | | 560 | 585 | | 359 | 218 | 18.1 | | |
| 210 | 466 | | 544 | | 433 | 425 | | 85.6 | 101 | | | |
| 200 | 385 | | 439 | | 341 | 312 | | 12.4 | 12.4 | | | |
| 190 | 337 | | 367 | | 284 | 240 | | | | | | |
| 180 | 305 | | 317 | | 246 | 193 | | | | | | |
| 170 | 279 | | 281 | | 214 | 154 | | | | | | |
| 160 | 252 | | 255 | | 186 | 131 | | | | | | |
| 150 | 221 | | 227 | | 158 | 108 | | | | | | |
| 140 | 191 | | 195 | | 136 | 94.7 | | | | | | |
| 130 | 173 | | 170 | | 123 | 87.2 | | | | | | |
| 120 | 162 | | 154 | | 116 | 83.4 | | | | | | |
| 110 | 73.8 | | 61.2 | | 68.0 | 39.4 | | | | | | |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 2 MAR 1962

| TIME | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G,KP | F2 | F2 | 2 | 2 | F2 | F1 | 1 | S1 | 3 | 3 | 3 | 2 |
| HMIN | 269 | 249 | 218 | 209 | 200 | 228 | 221 | | 110 | 104 | 108 | 109 |
| SCAT | 36.1 | 28.0 | 29.2 | 32.1 | 27.9 | 33.2 | 41.6 | | 29.9 | 37.1 | 54.6 | 43.0 |
| HMAXF | 353 | 317 | 286 | 283 | 260 | 309 | 304 | | 231 | 247 | 278 | 287 |
| SHMAX | 162 | 133 | 142 | 174 | 88 | 90 | 102 | | 273 | 445 | 648 | 664 |
| KM | | | | | | | | | | | | |
| 360 | 326 | | | | | | | | | | | |
| 350 | 316 | | | | | | | | | | | |
| 340 | 316 | | | | | | | | | | | |
| 330 | 294 | | | | | | | | | | | |
| 320 | 257 | 325 | | | | | | | | | | |
| 310 | 211 | 316 | | | | | 183 | 183 | | | | |
| 300 | 151 | 287 | | | | | 180 | 183 | | | | |
| 290 | 88.5 | 241 | 358 | 340 | | | 166 | 178 | | | | 1080 |
| 280 | 43.5 | 183 | 354 | 389 | | | 149 | 167 | | | 710 | 1072 |
| 270 | 12.4 | 110 | 331 | 373 | 236 | 128 | 152 | | | | 706 | 1037 |
| 260 | | 52.8 | 287 | 339 | 236 | 96.7 | 132 | | | | 641 | 972 |
| 250 | | 12.4 | 222 | 287 | 228 | 60.1 | 105 | | | 621 | 663 | 877 |
| 240 | | | 126 | 218 | 204 | 34.0 | 70.7 | | 439 | 616 | 625 | 754 |
| 230 | | | 58.1 | 131 | 166 | 12.4 | 35.6 | | 489 | 588 | 572 | 623 |
| 220 | | | 17.2 | 56.4 | 103 | | | | 473 | 537 | 505 | 500 |
| 210 | | | | 12.4 | 43.3 | | | | 429 | 471 | 431 | 397 |
| 200 | | | | | 1.7 | | | | 361 | 397 | 365 | 339 |
| 190 | | | | | | | | | 273 | 332 | 312 | 306 |
| 180 | | | | | | | | | 208 | 282 | 272 | 283 |
| 170 | | | | | | | | | 165 | 240 | 239 | 262 |
| 160 | | | | | | | | | 135 | 206 | 206 | 238 |
| 150 | | | | | | | | | 114 | 178 | 174 | 204 |
| 140 | | | | | | | | | 96.8 | 157 | 155 | 176 |
| 130 | | | | | | | | | 84.7 | 131 | 144 | 160 |
| 120 | | | | | | | | | 78.7 | 116 | 138 | 152 |
| 110 | | | | | | | | | 12.4 | 65.1 | 55.6 | 41.8 |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 2 MAR 1962

| TIME | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G,KP | 2 | 2 | A2 | 2 | A2 | A1 | A1 | A1 | A1 | 1 | 1 | 0 |
| HMIN | 109 | 105 | 109 | 108 | 109 | 109 | | 209 | 201 | 197 | 251 | 237 |
| SCAT | 37.2 | 36.5 | 42.2 | 36.6 | 41.7 | 47.5 | | 38.0 | 31.4 | 52.2 | 40.0 | 28.9 |
| HMAXF | 269 | 269 | 291 | 276 | 268 | 289 | | 295 | 262 | 325 | 344 | 316 |
| SHMAX | 950 | 1002 | 1171 | 1003 | 796 | 606 | | 334 | 228 | 176 | 133 | 110 |
| KM | | | | | | | | | | | | |
| 350 | | | | | | | | | | | 236 | |
| 340 | | | | | | | | | | | 236 | |
| 330 | | | | | | | | | | 235 | 229 | |
| 320 | | | | | | | | | | 235 | 214 | 247 |
| 310 | | | | | | | | | | 230 | 192 | 245 |
| 300 | | | 1605 | | | | | | 779 | | 222 | 164 | 230 |
| 290 | 1240 | 1477 | 1605 | | | 1027 | | | 776 | | 209 | 131 | 200 |
| 280 | 1220 | 1452 | 1580 | 1561 | | 1018 | | | 752 | | 191 | 92.5 | 163 |
| 270 | 1156 | 1372 | 1510 | 1551 | 1168 | 987 | | | 704 | 567 | 169 | 55.2 | 121 |
| 260 | 1044 | 1237 | 1395 | 1487 | 1158 | 930 | | | 623 | 566 | 144 | 28.9 | 76.2 |
| 250 | 921 | 1076 | 1223 | 1361 | 1116 | 856 | | | 511 | 544 | 118 | | 41.8 |
| 240 | 783 | 898 | 994 | 1186 | 1038 | 759 | | | 354 | 494 | 92.5 | | 16.2 |
| 230 | 650 | 722 | 788 | 965 | 933 | 632 | | | 181 | 412 | 67.5 | | |
| 220 | 531 | 562 | 605 | 713 | 747 | 502 | | | 70.3 | 286 | 46.0 | | |
| 210 | 429 | 447 | 465 | 501 | 621 | 397 | | | 12.4 | 112 | 28.6 | | |
| 200 | 363 | 374 | 375 | 372 | 445 | 320 | | | | | 12.4 | | |
| 190 | 320 | 326 | 322 | 308 | 328 | 263 | | | | | | | |
| 180 | 291 | 295 | 288 | 272 | 262 | 219 | | | | | | | |
| 170 | 265 | 272 | 263 | 244 | 225 | 185 | | | | | | | |
| 160 | 238 | 253 | 240 | 217 | 190 | 157 | | | | | | | |
| 150 | 210 | 228 | 215 | 190 | 154 | 134 | | | | | | | |
| 140 | 181 | 200 | 190 | 160 | 133 | 113 | | | | | | | |
| 130 | 166 | 176 | 173 | 145 | 123 | 96.5 | | | | | | | |
| 120 | 158 | 162 | 155 | 138 | 118 | 90.2 | | | | | | | |
| 110 | 83.3 | 141 | 93.2 | 81.4 | 23.7 | 25.1 | | | | | | | |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO — 60 W — 3 MAR 1962

| TIME | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G,KP | 0 | 0 | 1 | 1 | 1 | F1 | 1 | S1 | 3 | 3 | 3 | 2 |
| HMIN | 247 | 259 | 241 | 222 | 200 | 247 | 238 | 109 | 107 | 106 | 104 | 103 |
| SCAT | 34.8 | 37.1 | 35.0 | 31.2 | 27.0 | 46.5 | 34.5 | 32.3 | 32.6 | 39.7 | 34.7 | 53.7 |
| HMAXF | 322 | 343 | 320 | 280 | 238 | 340 | 311 | 252 | 236 | 244 | 250 | 274 |
| SHMAX | 108 | 117 | 124 | 135 | 56 | 57 | 49 | 177 | 314 | 430 | 514 | 728 |
| KM | | | | | | | | | | | | |
| 350 | | 225 | | | | | | | | | | |
| 340 | | 224 | | | | 92.3 | | | | | | |
| 330 | 223 | 218 | 259 | | | 91.4 | | | | | | |
| 320 | 222 | 203 | 259 | | | 88.2 | 97.6 | | | | | |
| 310 | 216 | 180 | 254 | | | 83.1 | 97.6 | | | | | |
| 300 | 200 | 150 | 238 | | | 75.3 | 95.6 | | | | | |
| 290 | 175 | 115 | 210 | 354 | | 64.8 | 90.6 | | | | | |
| 280 | 144 | 76.7 | 168 | 354 | | 52.5 | 82.3 | | | | | 782 |
| 270 | 107 | 39.6 | 122 | 345 | | 39.3 | 70.3 | | | | | 774 |
| 260 | 60.3 | 12.4 | 75.6 | 317 | | 26.8 | 52.8 | 311 | | | | 761 |
| 250 | 21.5 | | 36.7 | 263 | | 12.4 | 32.2 | 311 | | 610 | 744 | 731 |
| 240 | | | | 170 | 137 | | 12.4 | 301 | 567 | 609 | 724 | 688 |
| 230 | | | | 62.5 | 142 | | | 274 | 563 | 592 | 684 | 628 |
| 220 | | | | | 176 | | | 233 | 534 | 554 | 606 | 552 |
| 210 | | | | | 125 | | | 180 | 480 | 501 | 503 | 473 |
| 200 | | | | | 12.4 | | | 133 | 361 | 426 | 411 | 402 |
| 190 | | | | | | | | 98.9 | 278 | 351 | 343 | 346 |
| 180 | | | | | | | | 74.4 | 205 | 287 | 297 | 307 |
| 170 | | | | | | | | 58.0 | 156 | 239 | 263 | 279 |
| 160 | | | | | | | | 48.1 | 124 | 206 | 232 | 257 |
| 150 | | | | | | | | 42.6 | 100 | 174 | 207 | 235 |
| 140 | | | | | | | | 39.9 | 88.2 | 142 | 181 | 217 |
| 130 | | | | | | | | 34.9 | 81.1 | 121 | 152 | 182 |
| 120 | | | | | | | | 27.6 | 74.7 | 111 | 134 | 152 |
| 110 | | | | | | | | 12.4 | 48.4 | 85.3 | 39.4 | 117 |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO — 60 W — 3 MAR 1962

| TIME | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G,KP | 2 | 2 | 3 | 3 | 3 | 2 | S2 | A2 | S3 | F3 | F3 | S2 |
| HMIN | 107 | 105 | 108 | 107 | 108 | 104 | | 202 | 211 | 252 | 261 | 238 |
| SCAT | 40.8 | 56.9 | 48.5 | 35.5 | 42.5 | 37.2 | | 36.6 | 35.4 | 42.6 | 38.3 | 29.1 |
| HMAXF | 280 | 301 | 300 | 284 | 291 | 277 | | 286 | 293 | 353 | 342 | 306 |
| SHMAX | 803 | 944 | 1072 | 845 | 949 | 768 | | 373 | 245 | 259 | 218 | 162 |
| KM | | | | | | | | | | | | |
| 360 | | | | | | | | | | 430 | | |
| 350 | | | | | | | | | | 424 | 428 | |
| 340 | | | | | | | | | | 420 | 428 | |
| 330 | | | | | | | | | | 399 | 417 | |
| 320 | | | | | | | | | | 365 | 390 | |
| 310 | | 1027 | 1298 | | | | | | | 323 | 351 | 392 |
| 300 | | 1027 | 1298 | | 1298 | | | | 507 | 270 | 293 | 384 |
| 290 | 1017 | 1017 | 1284 | 1240 | 1298 | | | 737 | 507 | 210 | 212 | 351 |
| 280 | 1017 | 992 | 1242 | 1237 | 1279 | 1184 | | 731 | 491 | 149 | 135 | 302 |
| 270 | 1001 | 951 | 1171 | 1195 | 1223 | 1174 | | 699 | 454 | 78.0 | 54.0 | 237 |
| 260 | 954 | 893 | 1073 | 1099 | 1131 | 1123 | | 641 | 397 | 34.9 | | 140 |
| 250 | 875 | 823 | 936 | 972 | 1009 | 1029 | | 555 | 316 | | | 63.1 |
| 240 | 778 | 737 | 769 | 818 | 855 | 901 | | 451 | 221 | | | 17.2 |
| 230 | 658 | 642 | 604 | 649 | 667 | 743 | | 319 | 115 | | | |
| 220 | 535 | 542 | 468 | 482 | 447 | 577 | | 168 | 47.5 | | | |
| 210 | 428 | 451 | 374 | 372 | 382 | 426 | | 58.7 | | | | |
| 200 | 362 | 376 | 323 | 308 | 309 | 315 | | | | | | |
| 190 | 317 | 326 | 290 | 268 | 262 | 243 | | | | | | |
| 180 | 287 | 294 | 267 | 239 | 231 | 198 | | | | | | |
| 170 | 264 | 271 | 249 | 209 | 204 | 168 | | | | | | |
| 160 | 240 | 248 | 230 | 174 | 177 | 143 | | | | | | |
| 150 | 210 | 217 | 209 | 153 | 151 | 120 | | | | | | |
| 140 | 179 | 187 | 182 | 141 | 130 | 101 | | | | | | |
| 130 | 163 | 168 | 160 | 134 | 118 | 88.4 | | | | | | |
| 120 | 154 | 154 | 151 | 128 | 112 | 82.7 | | | | | | |
| 110 | 92.8 | 114 | 53.6 | 58.0 | 41.8 | 27.3 | | | | | | |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO — 60 W — 4 MAR 1962

| TIME | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G,KP | 2 | 2 | 1 | 1 | F1 | 2 | F2 | S2 | 2 | 2 | 2 | 1 |
| HMIN | 227 | 220 | 218 | 209 | 230 | 260 | 236 | 110 | 110 | 109 | 108 | 109 |
| SCAT | 28.4 | 32.0 | 40.0 | 20.7 | 34.7 | 29.0 | 38.4 | 28.0 | 30.9 | 44.3 | 49.6 | 44.3 |
| HMAXF | 303 | 295 | 293 | 251 | 303 | 336 | 327 | 245 | 247 | 260 | 297 | 291 |
| SHMAX | 133 | 138 | 138 | 63 | 64 | 71 | 80 | 157 | 326 | 485 | 813 | 951 |
| KM | | | | | | | | | | | | |
| 340 | | | | | | 151 | | | | | | |
| 330 | | | | | | 149 | 142 | | | | | |
| 320 | | | | | | 138 | 141 | | | | | |
| 310 | 310 | | | | 167 | 123 | 135 | | | | | |
| 300 | 309 | 310 | 281 | | 166 | 106 | 125 | | | | 971 | 1240 |
| 290 | 294 | 308 | 281 | | 162 | 83.4 | 109 | | | | 967 | 1240 |
| 280 | 259 | 294 | 274 | | 152 | 57.4 | 90.8 | | | | 945 | 1221 |
| 270 | 214 | 264 | 258 | | 138 | 30.9 | 71.8 | | | | 902 | 1170 |
| 260 | 156 | 219 | 232 | 236 | 116 | | 51.8 | | | 642 | 841 | 1088 |
| 250 | 99.4 | 160 | 188 | 236 | 87.1 | | 33.5 | 279 | 541 | 634 | 752 | 970 |
| 240 | 47.7 | 93.5 | 124 | 218 | 46.3 | | 17.5 | 277 | 529 | 611 | 629 | 805 |
| 230 | 19.3 | 41.2 | 59.9 | 169 | 3.1 | | | 258 | 489 | 572 | 500 | 636 |
| 220 | | 3.1 | 17.2 | 84.1 | | | | 226 | 419 | 511 | 401 | 493 |
| 210 | | | | 12.4 | | | | 187 | 338 | 429 | 332 | 393 |
| 200 | | | | | | | | 145 | 267 | 355 | 285 | 331 |
| 190 | | | | | | | | 110 | 208 | 290 | 252 | 291 |
| 180 | | | | | | | | 82.5 | 166 | 239 | 223 | 262 |
| 170 | | | | | | | | 64.6 | 136 | 201 | 190 | 236 |
| 160 | | | | | | | | 52.6 | 116 | 172 | 162 | 208 |
| 150 | | | | | | | | 46.5 | 101 | 149 | 148 | 173 |
| 140 | | | | | | | | 43.0 | 94.2 | 133 | 137 | 153 |
| 130 | | | | | | | | 38.5 | 74.9 | 124 | 129 | 143 |
| 120 | | | | | | | | 30.6 | 68.2 | 106 | 125 | 138 |
| 110 | | | | | | | | 12.4 | 12.4 | 29.7 | 69.4 | 46.5 |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO — 60 W — 4 MAR 1962

| TIME | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G,KP | 1 | 1 | A1 | 1 | 1 | 1 | A1 | 1 | 1 | 1 | 1 | 1 |
| HMIN | 106 | 108 | 109 | 108 | 109 | 109 | | 202 | 200 | 259 | 257 | 255 |
| SCAT | 41.6 | 36.3 | 47.9 | 42.7 | 47.2 | 38.1 | | 33.4 | 32.6 | 41.2 | 34.9 | 32.2 |
| HMAXF | 271 | 271 | 286 | 278 | 283 | 278 | | 274 | 262 | 360 | 341 | 328 |
| SHMAX | 870 | 856 | 949 | 918 | 810 | 706 | | 325 | 131 | 154 | 146 | 130 |
| KM | | | | | | | | | | | | |
| 360 | | | | | | | | | | 250 | | |
| 350 | | | | | | | | | | 246 | 295 | |
| 340 | | | | | | | | | | 233 | 295 | |
| 330 | | | | | | | | | | 217 | 287 | 292 |
| 320 | | | | | | | | | | 196 | 266 | 288 |
| 310 | | | | | | | | | | 170 | 237 | 268 |
| 300 | | | | | | | | | | 140 | 199 | 239 |
| 290 | | | 1173 | | 1080 | | | | | 105 | 146 | 197 |
| 280 | 1223 | 1240 | 1169 | 1298 | 1079 | 1080 | | 714 | | 69.5 | 87.4 | 133 |
| 270 | 1223 | 1240 | 1140 | 1288 | 1060 | 1068 | | 711 | 310 | 39.2 | 43.3 | 68.9 |
| 260 | 1203 | 1216 | 1086 | 1243 | 1017 | 1020 | | 681 | 310 | 12.4 | 16.2 | 29.4 |
| 250 | 1147 | 1150 | 1007 | 1161 | 951 | 933 | | 619 | 299 | | | |
| 240 | 1055 | 1041 | 884 | 1043 | 857 | 804 | | 527 | 273 | | | |
| 230 | 918 | 885 | 747 | 862 | 724 | 646 | | 410 | 235 | | | |
| 220 | 733 | 704 | 603 | 658 | 559 | 496 | | 257 | 175 | | | |
| 210 | 560 | 528 | 481 | 481 | 419 | 376 | | 89.4 | 88.2 | | | |
| 200 | 429 | 403 | 389 | 369 | 317 | 292 | | | 12.4 | | | |
| 190 | 342 | 333 | 327 | 302 | 257 | 232 | | | | | | |
| 180 | 297 | 293 | 287 | 262 | 220 | 188 | | | | | | |
| 170 | 269 | 266 | 259 | 236 | 192 | 155 | | | | | | |
| 160 | 245 | 244 | 238 | 215 | 164 | 129 | | | | | | |
| 150 | 218 | 220 | 215 | 199 | 135 | 110 | | | | | | |
| 140 | 189 | 189 | 173 | 174 | 120 | 96.4 | | | | | | |
| 130 | 163 | 162 | 157 | 149 | 113 | 86.8 | | | | | | |
| 120 | 151 | 152 | 148 | 137 | 109 | 81.1 | | | | | | |
| 110 | 93.6 | 81.1 | 33.3 | 53.1 | 41.8 | 32.9 | | | | | | |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 5 MAR 1962

| TIME | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G,KP | 1 | 1 | 3 | 3 | 3 | 3 | 3 | S3 | 5 | 5 | A5 | 3 |
| HMIN | 247 | 220 | 231 | 200 | 211 | 211 | 280 | 110 | 109 | 109 | 109 | 109 |
| SCAT | 31.1 | 32.4 | 32.1 | 33.6 | 31.7 | 30.2 | 46.5 | 41.3 | 31.2 | 38.6 | 39.9 | 48.6 |
| HMAXF | 311 | 289 | 298 | 281 | 266 | 260 | 361 | 259 | 241 | 260 | 264 | 288 |
| SHMAX | 107 | 104 | 86 | 107 | 82 | 46 | 57 | 207 | 336 | 501 | 667 | 764 |
| KM | | | | | | | | | | | | |
| 370 | | | | | | | 97.6 | | | | | |
| 360 | | | | | | | 97.6 | | | | | |
| 350 | | | | | | | 96.2 | | | | | |
| 340 | | | | | | | 92.5 | | | | | |
| 330 | | | | | | | 66.8 | | | | | |
| 320 | 257 | | | | | | 78.3 | | | | | |
| 310 | 257 | | | | | | 66.4 | | | | | |
| 300 | 249 | | 203 | | | | 51.1 | | | | | |
| 290 | 228 | 246 | 200 | 226 | | | 31.3 | | | | | 870 |
| 280 | 196 | 242 | 187 | 226 | | | | | | | | 864 |
| 270 | 150 | 227 | 165 | 219 | 215 | 129 | | | | | 976 | 840 |
| 260 | 88.9 | 199 | 133 | 203 | 214 | 129 | | 297 | | 681 | 973 | 795 |
| 250 | 25.5 | 150 | 78.6 | 177 | 202 | 125 | | 294 | 645 | 671 | 945 | 737 |
| 240 | | 86.6 | 36.8 | 141 | 180 | 114 | | 283 | 645 | 636 | 883 | 662 |
| 230 | | 40.5 | | 95.6 | 137 | 93.4 | | 261 | 624 | 581 | 796 | 572 |
| 220 | | 3.1 | | 56.1 | 83.4 | 50.2 | | 231 | 572 | 510 | 670 | 483 |
| 210 | | | | 30.4 | | | | 192 | 466 | 435 | 531 | 406 |
| 200 | | | | | | | | 151 | 324 | 365 | 394 | 349 |
| 190 | | | | | | | | 119 | 225 | 305 | 308 | 307 |
| 180 | | | | | | | | 95.0 | 168 | 256 | 254 | 277 |
| 170 | | | | | | | | 77.4 | 132 | 216 | 216 | 250 |
| 160 | | | | | | | | 64.6 | 109 | 183 | 184 | 221 |
| 150 | | | | | | | | 56.0 | 94.4 | 154 | 157 | 183 |
| 140 | | | | | | | | 51.3 | 88.9 | 133 | 140 | 158 |
| 130 | | | | | | | | 45.7 | 84.8 | 114 | 130 | 148 |
| 120 | | | | | | | | 34.0 | 62.1 | 99.8 | 125 | 142 |
| 110 | | | | | | | | 12.4 | 23.4 | 41.8 | 69.7 | 94.4 |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 5 MAR 1962

| TIME | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G,KP | 3 | 3 | 3 | A3 | A3 | C2 | S2 | 2 | A3 | 3 | 3 | 5 |
| HMIN | 108 | 109 | 108 | 108 | | | 110 | 200 | 200 | 229 | 250 | 233 |
| SCAT | 60.7 | 40.2 | 34.1 | 35.7 | | | 25.1 | 40.8 | 33.6 | 46.7 | 36.7 | 36.3 |
| HMAXF | 338 | 299 | 265 | 280 | | | 265 | 283 | 255 | 344 | 340 | 327 |
| SHMAX | 1147 | 1124 | 1019 | 965 | | | 563 | 557 | 178 | 193 | 128 | 139 |
| KM | | | | | | | | | | | | |
| 350 | | | | | | | | | | 284 | | |
| 340 | 1022 | | | | | | | | | 284 | 245 | |
| 330 | 1017 | | | | | | | | | 278 | 241 | 256 |
| 320 | 999 | | | | | | | | | 265 | 228 | 255 |
| 310 | 967 | | | | | | | | | 246 | 205 | 244 |
| 300 | 917 | 1612 | | | | | | | | 222 | 175 | 221 |
| 290 | 862 | 1593 | 1605 | 1512 | | | | 1027 | | 193 | 137 | 194 |
| 280 | 797 | 1524 | 1595 | 1512 | | | | 1025 | | 158 | 92.3 | 159 |
| 270 | 721 | 1406 | 1524 | 1480 | | | 1240 | 1001 | | 122 | 55.0 | 114 |
| 260 | 639 | 1206 | 1382 | 1386 | | | 1229 | 945 | 411 | 87.3 | 29.7 | 75.4 |
| 250 | 562 | 963 | 1174 | 1243 | | | 1129 | 859 | 409 | 58.1 | | 45.3 |
| 240 | 491 | 736 | 922 | 1054 | | | 948 | 743 | 345 | 33.4 | | 23.1 |
| 230 | 431 | 534 | 690 | 834 | | | 691 | 591 | 368 | 4.7 | | |
| 220 | 380 | 397 | 501 | 573 | | | 442 | 398 | 328 | | | |
| 210 | 341 | 333 | 384 | 414 | | | 238 | 186 | 233 | | | |
| 200 | 310 | 294 | 319 | 314 | | | 213 | 12.4 | 12.4 | | | |
| 190 | 285 | 269 | 281 | 265 | | | 161 | | | | | |
| 180 | 264 | 251 | 256 | 237 | | | 125 | | | | | |
| 170 | 241 | 231 | 232 | 213 | | | 99.1 | | | | | |
| 160 | 212 | 202 | 206 | 187 | | | 81.6 | | | | | |
| 150 | 181 | 178 | 171 | 163 | | | 69.2 | | | | | |
| 140 | 165 | 163 | 156 | 145 | | | 59.8 | | | | | |
| 130 | 156 | 155 | 148 | 134 | | | 53.1 | | | | | |
| 120 | 151 | 150 | 144 | 127 | | | 49.7 | | | | | |
| 110 | 81.8 | 41.8 | 69.4 | 80.3 | | | 12.4 | | | | | |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 6 MAR 1962

| TIME | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G,KP | 5 | 5 | 4 | 4 | 4 | 4 | A4 | S4 | S6 | A6 | 6 | 4 |
| HMIN | 229 | 248 | 261 | 231 | 199 | 199 | 238 | 110 | 110 | 107 | 109 | 109 |
| SCAT | 40.0 | 35.2 | 36.9 | 36.2 | 20.2 | 70.6 | 36.5 | 28.2 | 40.7 | 63.3 | 35.6 | 37.9 |
| HMAXF | 324 | 337 | 346 | 313 | 242 | 311 | 323 | 244 | 266 | 293 | 293 | 282 |
| SHMAX | 154 | 138 | 132 | 136 | 79 | 80 | 61 | 174 | 372 | 645 | 875 | 1010 |
| KM | | | | | | | | | | | | |
| 350 | | | 254 | | | | | | | | | |
| 340 | | 263 | 253 | | | | | | | | | |
| 330 | 270 | 260 | 243 | | | | 115 | | | | | |
| 320 | 269 | 246 | 224 | 281 | | 92.3 | 115 | | | | | |
| 310 | 262 | 225 | 196 | 281 | | 92.3 | 111 | | | | | |
| 300 | 244 | 197 | 161 | 272 | | 91.8 | 103 | | | 645 | 1240 | |
| 290 | 221 | 157 | 117 | 253 | | 90.4 | 92.3 | | | 644 | 1233 | 1547 |
| 280 | 190 | 118 | 70.1 | 220 | | 88.0 | 78.3 | | | 638 | 1198 | 1546 |
| 270 | 153 | 79.8 | 34.9 | 171 | | 83.9 | 59.1 | | 404 | 623 | 1109 | 1511 |
| 260 | 113 | 42.7 | | 115 | | 80.1 | 41.2 | | 401 | 600 | 974 | 1419 |
| 250 | 68.8 | 16.5 | | 62.5 | 300 | 75.8 | 26.4 | 319 | 405 | 569 | 818 | 1276 |
| 240 | 35.5 | | | 29.4 | 299 | 70.7 | 7.9 | 317 | 442 | 530 | 659 | 1052 |
| 230 | 4.7 | | | | 274 | 63.8 | | 296 | 398 | 487 | 513 | 800 |
| 220 | | | | | 204 | 53.9 | | 263 | 347 | 434 | 409 | 591 |
| 210 | | | | | 89.2 | 39.4 | | 214 | 296 | 384 | 340 | 431 |
| 200 | | | | | 12.4 | 12.4 | | 161 | 248 | 324 | 293 | 338 |
| 190 | | | | | | | | 119 | 207 | 269 | 259 | 289 |
| 180 | | | | | | | | 89.4 | 172 | 223 | 230 | 256 |
| 170 | | | | | | | | 70.9 | 142 | 188 | 202 | 238 |
| 160 | | | | | | | | 58.8 | 117 | 159 | 171 | 215 |
| 150 | | | | | | | | 51.4 | 95.4 | 134 | 147 | 188 |
| 140 | | | | | | | | 46.8 | 87.3 | 112 | 135 | 161 |
| 130 | | | | | | | | 41.9 | 72.7 | 103 | 128 | 144 |
| 120 | | | | | | | | 31.9 | 62.5 | 97.3 | 122 | 136 |
| 110 | | | | | | | | 12.4 | 12.4 | 39.4 | 48.8 | 33.3 |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 6 MAR 1962

| TIME | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G,KP | 4 | 4 | 4 | 4 | S4 | 2 | A2 | 2 | 2 | 2 | 2 | 3 |
| HMIN | 107 | 108 | 108 | 109 | 109 | 108 | | 214 | 200 | 200 | 254 | 277 |
| SCAT | 54.5 | 35.6 | 35.2 | 47.7 | 39.4 | 42.9 | | 33.5 | 27.1 | 54.1 | 39.3 | 40.0 |
| HMAXF | 288 | 283 | 267 | 271 | 268 | 283 | | 277 | 254 | 283 | 349 | 366 |
| SHMAX | 1089 | 963 | 887 | 703 | 640 | 661 | | 301 | 151 | 126 | 77 | 93 |
| KM | | | | | | | | | | | | |
| 370 | | | | | | | | | | | | 163 |
| 360 | | | | | | | | | | | | 167 |
| 350 | | | | | | | | | | | 133 | 161 |
| 340 | | | | | | | | | | | 132 | 150 |
| 330 | | | | | | | | | | | 126 | 134 |
| 320 | | | | | | | | | | | 116 | 110 |
| 310 | | | | | | | | | | | 102 | 81.2 |
| 300 | | | | | | | | | | | 85.0 | 56.3 |
| 290 | 1281 | 1424 | | | | 898 | | | | 197 | 65.9 | 36.4 |
| 280 | 1273 | 1421 | | 890 | | 897 | | 737 | | 196 | 48.1 | 16.0 |
| 270 | 1244 | 1377 | 1411 | 890 | 898 | 879 | | 729 | | 193 | 32.0 | |
| 260 | 1194 | 1276 | 1397 | 879 | 869 | 835 | | 690 | 430 | 187 | 18.2 | |
| 250 | 1125 | 1120 | 1328 | 848 | 852 | 768 | | 618 | 427 | 177 | | |
| 240 | 1026 | 916 | 1202 | 799 | 787 | 671 | | 484 | 400 | 165 | | |
| 230 | 895 | 698 | 1011 | 728 | 689 | 554 | | 288 | 343 | 149 | | |
| 220 | 746 | 529 | 795 | 634 | 569 | 444 | | 68.9 | 247 | 126 | | |
| 210 | 598 | 422 | 589 | 518 | 455 | 355 | | | 107 | 78.8 | | |
| 200 | 465 | 351 | 432 | 412 | 367 | 285 | | | 12.4 | 12.4 | | |
| 190 | 364 | 310 | 339 | 327 | 299 | 232 | | | | | | |
| 180 | 300 | 282 | 266 | 277 | 248 | 192 | | | | | | |
| 170 | 263 | 257 | 253 | 243 | 212 | 158 | | | | | | |
| 160 | 234 | 232 | 229 | 215 | 185 | 130 | | | | | | |
| 150 | 203 | 206 | 206 | 185 | 165 | 111 | | | | | | |
| 140 | 173 | 174 | 180 | 155 | 143 | 96.3 | | | | | | |
| 130 | 157 | 157 | 155 | 136 | 122 | 87.4 | | | | | | |
| 120 | 150 | 150 | 144 | 127 | 110 | 82.9 | | | | | | |
| 110 | 56.1 | 49.1 | 43.7 | 41.8 | 41.8 | 38.7 | | | | | | |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 7 MAR 1962

| TIME | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q,KP | 3 | 3 | 3 | 3 | 3 | 2 | 2 | S2 | 2 | A2 | 2 | 2 |
| HMIN | 247 | 237 | 239 | 218 | 205 | 229 | 234 | 110 | 108 | 109 | 107 | 107 |
| SCAT | 46.6 | 42.2 | 30.4 | 30.0 | 73.8 | 40.5 | 44.0 | 31.3 | 29.3 | 37.1 | 41.4 | 48.1 |
| HMAXF | 352 | 331 | 307 | 270 | 339 | 326 | 333 | 254 | 241 | 262 | 267 | 285 |
| SHMAX | 111 | 111 | 101 | 75 | 135 | 80 | 82 | 177 | 280 | 442 | 676 | 912 |
| KM | | | | | | | | | | | | |
| 360 | 171 | | | | | | | | | | | |
| 350 | 171 | | | | | | | | | | | |
| 340 | 168 | 172 | | | 142 | | 135 | | | | | |
| 330 | 162 | 172 | | | 142 | 137 | 135 | | | | | |
| 320 | 151 | 169 | | | 140 | 136 | 132 | | | | | |
| 310 | 136 | 159 | 234 | | 137 | 131 | 126 | | | | | |
| 300 | 117 | 166 | 231 | | 133 | 123 | 116 | | | | | |
| 290 | 93.8 | 147 | 215 | | 127 | 110 | 101 | | | | | 1173 |
| 280 | 70.5 | 121 | 190 | 205 | 120 | 93.0 | 81.7 | | | | | 1171 |
| 270 | 48.7 | 87.5 | 156 | 205 | 111 | 74.7 | 61.7 | | | 602 | 971 | 1146 |
| 260 | 31.6 | 57.0 | 110 | 199 | 101 | 55.6 | 44.5 | 331 | | 602 | 964 | 1096 |
| 250 | 15.3 | 33.6 | 58.9 | 182 | 89.7 | 38.6 | 30.2 | 330 | 489 | 587 | 929 | 1021 |
| 240 | | 15.6 | 12.4 | 147 | 77.2 | 24.6 | 17.8 | 315 | 489 | 549 | 873 | 903 |
| 230 | | | | 90.3 | 61.7 | 4.0 | | 284 | 471 | 495 | 762 | 738 |
| 220 | | | | 28.9 | 41.6 | | | 247 | 423 | 424 | 612 | 565 |
| 210 | | | | | 20.2 | | | 185 | 353 | 359 | 472 | 433 |
| 200 | | | | | | | | 123 | 276 | 304 | 358 | 354 |
| 190 | | | | | | | | 74.8 | 213 | 258 | 289 | 303 |
| 180 | | | | | | | | 51.9 | 168 | 225 | 248 | 270 |
| 170 | | | | | | | | 41.6 | 135 | 196 | 222 | 246 |
| 160 | | | | | | | | 37.3 | 110 | 168 | 198 | 222 |
| 150 | | | | | | | | 35.0 | 91.4 | 141 | 173 | 193 |
| 140 | | | | | | | | 32.7 | 80.3 | 120 | 148 | 167 |
| 130 | | | | | | | | 29.0 | 74.3 | 103 | 127 | 144 |
| 120 | | | | | | | | 23.5 | 69.5 | 89.4 | 115 | 132 |
| 110 | | | | | | | | 13.0 | 30.3 | 22.0 | 49.1 | 49.0 |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 7 MAR 1962

| TIME | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q,KP | 2 | 2 | A1 | A1 | A1 | A0 | A0 | A0 | A1 | 1 | 1 | 2 |
| HMIN | 108 | 108 | 109 | | 109 | | | 200 | 199 | 211 | 266 | 278 |
| SCAT | 27.8 | 36.1 | 43.6 | | 40.1 | | | 36.1 | 37.5 | 52.1 | 33.8 | 39.8 |
| HMAXF | 252 | 264 | 285 | | 267 | | | 271 | 275 | 317 | 346 | 363 |
| SHMAX | 710 | 775 | 842 | | 783 | | | 210 | 105 | 100 | 68 | 86 |
| KM | | | | | | | | | | | | |
| 370 | | | | | | | | | | | | 162 |
| 360 | | | | | | | | | | | | 162 |
| 350 | | | | | | | | | | | 136 | 158 |
| 340 | | | | | | | | | | | 135 | 149 |
| 330 | | | | | | | | | | | 128 | 135 |
| 320 | | | | | | | | | | 142 | 115 | 113 |
| 310 | | | | | | | | | | 142 | 98.0 | 85.8 |
| 300 | | | | | | | | | | 139 | 77.3 | 67.5 |
| 290 | | | 1055 | | | | | | | 133 | 55.8 | 53.5 |
| 280 | | | 1052 | | | | | 450 | 205 | 125 | 36.5 | 12.4 |
| 270 | | 1184 | 1026 | | 1240 | | | 450 | 204 | 114 | 18.1 | |
| 260 | 1292 | 1180 | 973 | | 1232 | | | 440 | 146 | 99.8 | | |
| 250 | 1290 | 1139 | 869 | | 1187 | | | 413 | 181 | 83.3 | | |
| 240 | 1230 | 1052 | 784 | | 1105 | | | 368 | 159 | 64.9 | | |
| 230 | 1085 | 908 | 664 | | 980 | | | 298 | 130 | 43.6 | | |
| 220 | 880 | 721 | 547 | | 798 | | | 205 | 96.1 | 24.7 | | |
| 210 | 624 | 560 | 444 | | 557 | | | 103 | 60.3 | | | |
| 200 | 430 | 430 | 367 | | 369 | | | 12.4 | 12.4 | | | |
| 190 | 340 | 342 | 315 | | 277 | | | | | | | |
| 180 | 292 | 294 | 280 | | 228 | | | | | | | |
| 170 | 259 | 265 | 253 | | 198 | | | | | | | |
| 160 | 238 | 239 | 223 | | 173 | | | | | | | |
| 150 | 221 | 199 | 178 | | 148 | | | | | | | |
| 140 | 195 | 167 | 149 | | 128 | | | | | | | |
| 130 | 158 | 155 | 137 | | 113 | | | | | | | |
| 120 | 145 | 148 | 131 | | 106 | | | | | | | |
| 110 | 81.4 | 69.4 | 39.4 | | 41.8 | | | | | | | |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 8 MAR 1962

| TIME | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q,KP | 2 | 2 | 1 | 1 | 1 | F0 | 0 | S0 | 0 | 0 | 0 | 0 |
| HMIN | 253 | 223 | 227 | 211 | 207 | 197 | 237 | 110 | 110 | 107 | 109 | 109 |
| SCAT | 35.2 | 26.8 | 27.1 | 20.7 | 27.6 | 34.6 | 40.9 | 33.9 | 28.5 | 31.8 | 42.2 | 31.1 |
| HMAXF | 333 | 297 | 291 | 255 | 254 | 283 | 324 | 249 | 234 | 242 | 267 | 263 |
| SHMAX | 77 | 76 | 87 | 79 | 53 | 53 | 64 | 170 | 264 | 367 | 557 | 693 |
| KM | | | | | | | | | | | | |
| 340 | 156 | | | | | | | | | | | |
| 330 | 156 | | | | | | 117 | | | | | |
| 320 | 151 | | | | | | 117 | | | | | |
| 310 | 140 | | | | | | 114 | | | | | |
| 300 | 123 | 182 | 226 | | | | 108 | | | | | |
| 290 | 99.1 | 178 | 226 | | | 95.4 | 97.4 | | | | | |
| 280 | 73.2 | 162 | 217 | | | 95.1 | 81.2 | | | | | |
| 270 | 45.7 | 138 | 193 | | | 91.8 | 60.4 | | | | 707 | 1131 |
| 260 | 23.7 | 106 | 157 | 284 | 160 | 83.9 | 42.0 | | | | 702 | 1128 |
| 250 | | 70.1 | 108 | 279 | 160 | 75.7 | 27.3 | 281 | | 567 | 678 | 1081 |
| 240 | | 43.2 | 55.2 | 244 | 151 | 66.3 | 12.4 | 277 | 491 | 566 | 634 | 975 |
| 230 | | 23.0 | 19.9 | 180 | 131 | 55.3 | | 260 | 490 | 547 | 571 | 807 |
| 220 | | | | 71.4 | 89.5 | 43.1 | | 232 | 464 | 500 | 493 | 616 |
| 210 | | | | | 25.5 | 29.0 | | 196 | 408 | 424 | 413 | 450 |
| 200 | | | | | | 12.4 | | 153 | 327 | 347 | 340 | 346 |
| 190 | | | | | | | | 117 | 248 | 286 | 286 | 295 |
| 180 | | | | | | | | 88.6 | 182 | 242 | 251 | 265 |
| 170 | | | | | | | | 67.1 | 137 | 209 | 226 | 245 |
| 160 | | | | | | | | 53.3 | 114 | 182 | 202 | 227 |
| 150 | | | | | | | | 44.3 | 97.8 | 156 | 179 | 205 |
| 140 | | | | | | | | 39.7 | 84.1 | 129 | 155 | 178 |
| 130 | | | | | | | | 35.1 | 73.8 | 112 | 131 | 148 |
| 120 | | | | | | | | 29.4 | 66.7 | 98.2 | 121 | 133 |
| 110 | | | | | | | | 12.4 | 12.4 | 70.2 | 41.8 | 41.8 |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 8 MAR 1962

| TIME | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q,KP | 0 | 0 | A0 | A0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HMIN | 109 | 109 | | | 108 | 108 | 108 | 200 | 199 | 198 | 234 | 238 |
| SCAT | 34.8 | 35.2 | | | 33.4 | 38.5 | 33.3 | 31.9 | 36.1 | 39.7 | 36.9 | 38.7 |
| HMAXF | 270 | 265 | | | 259 | 255 | 244 | 256 | 269 | 293 | 326 | 321 |
| SHMAX | 805 | 692 | | | 570 | 494 | 341 | 154 | 118 | 101 | 86 | 97 |
| KM | | | | | | | | | | | | |
| 330 | | | | | | | | | | | 156 | 187 |
| 320 | | | | | | | | | | | 155 | 187 |
| 310 | | | | | | | | | | | 149 | 183 |
| 300 | | | | | | | | | | 175 | 136 | 173 |
| 290 | | | | | | | | | | 175 | 120 | 157 |
| 280 | 1217 | | | | | | | | | 171 | 99.6 | 134 |
| 270 | 1217 | 1031 | | | | | | | 259 | 161 | 77.5 | 103 |
| 260 | 1192 | 1026 | | | 907 | 744 | | 392 | 255 | 145 | 55.1 | 68.6 |
| 250 | 1115 | 985 | | | 890 | 741 | 681 | 389 | 242 | 126 | 36.5 | 38.2 |
| 240 | 989 | 901 | | | 830 | 716 | 679 | 368 | 218 | 103 | 20.6 | 12.4 |
| 230 | 817 | 781 | | | 734 | 664 | 651 | 328 | 180 | 77.1 | | |
| 220 | 643 | 639 | | | 593 | 592 | 592 | 255 | 122 | 52.4 | | |
| 210 | 475 | 490 | | | 450 | 502 | 489 | 142 | 59.8 | 33.3 | | |
| 200 | 370 | 377 | | | 348 | 394 | 330 | 12.4 | 12.4 | 12.4 | | |
| 190 | 309 | 308 | | | 280 | 297 | 204 | | | | | |
| 180 | 274 | 271 | | | 238 | 227 | 127 | | | | | |
| 170 | 254 | 248 | | | 211 | 182 | 91.8 | | | | | |
| 160 | 237 | 225 | | | 186 | 154 | 73.6 | | | | | |
| 150 | 216 | 197 | | | 163 | 132 | 61.7 | | | | | |
| 140 | 190 | 169 | | | 142 | 114 | 53.5 | | | | | |
| 130 | 158 | 141 | | | 123 | 98.9 | 48.4 | | | | | |
| 120 | 140 | 131 | | | 115 | 91.3 | 45.7 | | | | | |
| 110 | 57.7 | 41.8 | | | 38.7 | 38.7 | 28.9 | | | | | |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 9 MAR 1962

| TIME | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G,KP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S0 | 1 | 1 | 1 | 1 |
| HMIN | 218 | 219 | 218 | 201 | 199 | 206 | 220 | 110 | 107 | 108 | 107 | 108 |
| SCAT | 37.1 | 28.7 | 30.9 | 31.2 | 36.2 | 36.8 | 35.7 | 31.1 | 29.8 | 33.1 | 41.8 | 45.2 |
| HMAXF | 299 | 278 | 289 | 265 | 274 | 280 | 291 | 227 | 228 | 233 | 256 | 287 |
| SHMAX | 93 | 75 | 89 | 84 | 78 | 69 | 62 | 138 | 260 | 349 | 469 | 602 |
| KM | | | | | | | | | | | | |
| 300 | 187 | | | | | | 135 | | | | | |
| 290 | 184 | | 204 | | | 145 | 135 | | | | | 976 |
| 280 | 175 | 195 | 200 | | 158 | 145 | 132 | | | | | 970 |
| 270 | 159 | 191 | 184 | 205 | 158 | 142 | 123 | | | | | 941 |
| 260 | 135 | 175 | 160 | 204 | 152 | 134 | 109 | | | | 588 | 889 |
| 250 | 102 | 148 | 127 | 193 | 140 | 118 | 85.2 | | | | 585 | 811 |
| 240 | 65.8 | 107 | 82.7 | 172 | 122 | 95.8 | 55.5 | | | 549 | 568 | 690 |
| 230 | 36.4 | 56.1 | 43.8 | 138 | 98.4 | 67.4 | 30.0 | 259 | 471 | 547 | 531 | 571 |
| 220 | 12.4 | 12.4 | 16.5 | 89.5 | 73.2 | 40.6 | | 256 | 463 | 527 | 481 | 467 |
| 210 | | | | 39.1 | 41.8 | 18.4 | | 239 | 429 | 481 | 421 | 373 |
| 200 | | | | | 12.4 | | | 210 | 367 | 413 | 363 | 319 |
| 190 | | | | | | | | 169 | 281 | 336 | 313 | 286 |
| 180 | | | | | | | | 125 | 211 | 273 | 274 | 264 |
| 170 | | | | | | | | 86.2 | 166 | 228 | 245 | 247 |
| 160 | | | | | | | | 60.1 | 135 | 192 | 217 | 232 |
| 150 | | | | | | | | 49.1 | 112 | 163 | 187 | 215 |
| 140 | | | | | | | | 44.6 | 94.0 | 139 | 152 | 193 |
| 130 | | | | | | | | 41.2 | 87.5 | 120 | 129 | 158 |
| 120 | | | | | | | | 31.1 | 76.2 | 106 | 121 | 135 |
| 110 | | | | | | | | 13.0 | 52.0 | 76.8 | 86.2 | 73.8 |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 9 MAR 1962

| TIME | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G,KP | 1 | 1 | 1 | 1 | 1 | S1 | S1 | 1 | 2 | 2 | 2 | S2 |
| HMIN | 106 | 107 | 108 | 108 | 109 | 108 | 108 | 204 | 202 | 199 | 266 | 259 |
| SCAT | 39.4 | 36.5 | 35.1 | 32.7 | 39.0 | 28.0 | 33.2 | 28.2 | 30.3 | 43.7 | 46.5 | 40.8 |
| HMAXF | 279 | 277 | 270 | 264 | 253 | 231 | 251 | 261 | 268 | 292 | 366 | 347 |
| SHMAX | 856 | 646 | 838 | 706 | 600 | 321 | 298 | 154 | 120 | 112 | 116 | 123 |
| KM | | | | | | | | | | | | |
| 370 | | | | | | | | | | | 184 | |
| 360 | | | | | | | | | | | 184 | |
| 350 | | | | | | | | | | | 179 | 222 |
| 340 | | | | | | | | | | | 171 | 220 |
| 330 | | | | | | | | | | | 157 | 212 |
| 320 | | | | | | | | | | | 137 | 198 |
| 310 | | | | | | | | | | | 116 | 176 |
| 300 | | | | | | | | | | 172 | 89.0 | 146 |
| 290 | | | | | | | | | | 192 | 61.3 | 116 |
| 280 | 1168 | 1240 | 1298 | | | | | | | 189 | 37.1 | 78.4 |
| 270 | 1153 | 1228 | 1298 | 1157 | | | | 422 | 287 | 180 | 18.1 | 40.7 |
| 260 | 1101 | 1170 | 1272 | 1154 | 976 | | 546 | 422 | 282 | 166 | | 12.4 |
| 250 | 1011 | 1066 | 1193 | 1107 | 974 | | 546 | 407 | 260 | 145 | | |
| 240 | 879 | 910 | 1061 | 1004 | 848 | 651 | 532 | 365 | 226 | 119 | | |
| 230 | 719 | 717 | 873 | 852 | 893 | 650 | 495 | 289 | 180 | 88.0 | | |
| 220 | 569 | 542 | 667 | 667 | 797 | 625 | 425 | 178 | 120 | 57.2 | | |
| 210 | 439 | 407 | 497 | 498 | 644 | 559 | 329 | 65.9 | 44.3 | 32.0 | | |
| 200 | 353 | 332 | 375 | 364 | 448 | 441 | 239 | | | 5.9 | | |
| 190 | 306 | 293 | 307 | 293 | 309 | 297 | 168 | | | | | |
| 180 | 277 | 270 | 269 | 255 | 243 | 206 | 117 | | | | | |
| 170 | 258 | 254 | 248 | 230 | 207 | 164 | 87.8 | | | | | |
| 160 | 241 | 236 | 230 | 201 | 181 | 131 | 69.9 | | | | | |
| 150 | 221 | 217 | 210 | 163 | 161 | 106 | 59.7 | | | | | |
| 140 | 193 | 187 | 187 | 140 | 132 | 91.3 | 50.0 | | | | | |
| 130 | 161 | 150 | 155 | 133 | 111 | 80.6 | 43.4 | | | | | |
| 120 | 138 | 134 | 137 | 126 | 105 | 76.4 | 37.9 | | | | | |
| 110 | 112 | 97.8 | 45.8 | 40.4 | 29.7 | 40.4 | 17.8 | | | | | |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 10 MAR 1962

| TIME | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G,KP | 2 | 2 | 3 | 3 | 3 | 3 | 3 | S3 | 3 | 3 | A3 | 3 |
| HMIN | 259 | 249 | 239 | 200 | 203 | 229 | 218 | 110 | 109 | 109 | 109 | 108 |
| SCAT | 39.4 | 29.8 | 30.6 | 28.9 | 58.6 | 40.2 | 32.3 | 25.8 | 30.9 | 46.4 | 52.1 | 42.5 |
| HMAXF | 337 | 324 | 315 | 249 | 296 | 304 | 295 | 227 | 226 | 247 | 304 | 301 |
| SHMAX | 101 | 87 | 104 | 93 | 79 | 65 | 56 | 121 | 203 | 326 | 704 | 838 |
| KM | | | | | | | | | | | | |
| 340 | 197 | | | | | | | | | | | |
| 330 | 195 | 199 | | | | | | | | | | |
| 320 | 187 | 198 | 215 | | | | | | | | | |
| 310 | 173 | 187 | 214 | | | | 103 | | | | 744 | 885 |
| 300 | 154 | 167 | 206 | | 116 | 103 | 120 | | | | 742 | 885 |
| 290 | 129 | 138 | 191 | | 115 | 100 | 119 | | | | 729 | 870 |
| 280 | 82.2 | 101 | 164 | | 114 | 94.0 | 114 | | | | 703 | 827 |
| 270 | 43.2 | 57.1 | 129 | | 110 | 84.6 | 103 | | | | 661 | 954 |
| 260 | 12.4 | 32.9 | 82.2 | | 105 | 72.9 | 85.4 | | | | 608 | 760 |
| 250 | | 4.7 | 41.8 | 271 | 97.7 | 57.8 | 63.9 | | | 409 | 539 | 668 |
| 240 | | | 12.4 | 264 | 86.3 | 38.5 | 43.6 | | | 406 | 461 | 569 |
| 230 | | | | 241 | 72.0 | 12.4 | 26.9 | 257 | 342 | 394 | 390 | 476 |
| 220 | | | | 196 | 50.2 | | 7.9 | 252 | 338 | 372 | 331 | 394 |
| 210 | | | | 98.1 | 25.0 | | | 232 | 318 | 342 | 289 | 328 |
| 200 | | | | 12.4 | | | | 183 | 281 | 304 | 260 | 288 |
| 190 | | | | | | | | 133 | 236 | 262 | 240 | 263 |
| 180 | | | | | | | | 92.3 | 190 | 224 | 220 | 244 |
| 170 | | | | | | | | 64.2 | 150 | 192 | 194 | 226 |
| 160 | | | | | | | | 50.2 | 121 | 165 | 158 | 203 |
| 150 | | | | | | | | 42.7 | 101 | 142 | 140 | 174 |
| 140 | | | | | | | | 37.6 | 89.6 | 120 | 132 | 148 |
| 130 | | | | | | | | 38.0 | 80.3 | 108 | 127 | 137 |
| 120 | | | | | | | | 33.1 | 70.2 | 102 | 120 | 132 |
| 110 | | | | | | | | 13.0 | 24.1 | 33.8 | 39.4 | 82.9 |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 10 MAR 1962

| TIME | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G,KP | 3 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 4 |
| HMIN | 106 | 108 | 108 | 108 | 110 | 108 | 108 | 219 | 224 | 204 | 193 | 241 |
| SCAT | 39.5 | 36.5 | 37.7 | 36.5 | 38.9 | 45.0 | 48.0 | 30.6 | 31.7 | 32.1 | 36.4 | 34.8 |
| HMAXF | 298 | 287 | 286 | 269 | 252 | 244 | 269 | 292 | 312 | 287 | 284 | 326 |
| SHMAX | 1005 | 1040 | 1195 | 1067 | 699 | 403 | 332 | 197 | 216 | 202 | 145 | 122 |
| KM | | | | | | | | | | | | |
| 330 | | | | | | | | | | | | 222 |
| 320 | | | | | | | | | 467 | | | 220 |
| 310 | | | | | | | | | 467 | | | 213 |
| 300 | 1353 | | | | | | | 463 | 450 | | | 198 |
| 290 | 1339 | 1547 | 1947 | | | | | 462 | 409 | 442 | 284 | 177 |
| 280 | 1282 | 1530 | 1936 | | | | | 446 | 352 | 437 | 283 | 151 |
| 270 | 1180 | 1458 | 1863 | 1860 | | | 430 | 404 | 282 | 412 | 273 | 120 |
| 260 | 1030 | 1327 | 1725 | 1834 | 1184 | | 426 | 338 | 191 | 364 | 252 | 78.2 |
| 250 | 836 | 1144 | 1493 | 1740 | 1184 | 583 | 413 | 252 | 94.2 | 300 | 222 | 39.2 |
| 240 | 659 | 935 | 1145 | 1576 | 1158 | 582 | 390 | 149 | 42.6 | 217 | 182 | |
| 230 | 518 | 692 | 802 | 1295 | 1073 | 569 | 358 | 61.4 | 12.4 | 123 | 133 | |
| 220 | 411 | 511 | 533 | 923 | 888 | 540 | 320 | 12.4 | | 50.3 | 79.0 | |
| 210 | 342 | 384 | 381 | 596 | 814 | 499 | 278 | | | 27.3 | 41.2 | |
| 200 | 300 | 313 | 309 | 387 | 567 | 443 | 232 | | | | 12.4 | |
| 190 | 274 | 278 | 272 | 292 | 367 | 367 | 185 | | | | | |
| 180 | 258 | 256 | 250 | 253 | 257 | 283 | 140 | | | | | |
| 170 | 247 | 242 | 231 | 231 | 217 | 204 | 98.4 | | | | | |
| 160 | 226 | 224 | 212 | 211 | 169 | 159 | 75.2 | | | | | |
| 150 | 196 | 205 | 192 | 189 | 160 | 131 | 62.4 | | | | | |
| 140 | 169 | 165 | 163 | 161 | 134 | 107 | 54.9 | | | | | |
| 130 | 141 | 143 | 135 | 141 | 120 | 91.1 | 49.3 | | | | | |
| 120 | 133 | 133 | 127 | 129 | 112 | 83.7 | 45.5 | | | | | |
| 110 | 99.8 | 87.7 | 60.4 | 66.6 | 12.4 | 38.7 | 18.4 | | | | | |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 11 MAR 1962

| TIME | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q,KP | 4 | 4 | 2 | 2 | F2 | 3 | 3 | S3 | 2 | 2 | 2 | 3 |
| HMIN | 236 | 257 | 257 | 233 | 219 | 198 | 210 | | 109 | 109 | 108 | 107 |
| SCAT | 40.4 | 30.1 | 30.7 | 29.3 | 33.9 | 43.6 | 36.9 | | 30.8 | 51.7 | 45.1 | 35.2 |
| HMAXF | 329 | 340 | 333 | 306 | 282 | 285 | 285 | | 234 | 272 | 269 | 288 |
| SHMAX | 104 | 89 | 86 | 94 | 96 | 83 | 66 | | 228 | 444 | 722 | 802 |
| KM | | | | | | | | | | | | |
| 340 | | 188 | 194 | | | | | | | | | |
| 330 | 179 | 183 | 193 | | | | | | | | | |
| 320 | 177 | 167 | 185 | | | | | | | | | |
| 310 | 169 | 143 | 165 | 226 | | | | | | | | |
| 300 | 155 | 117 | 136 | 224 | | | | | | | | |
| 290 | 137 | 86.1 | 101 | 210 | 226 | 142 | 136 | | | | 831 | 1131 |
| 280 | 114 | 57.7 | 64.3 | 183 | 226 | 142 | 135 | | | 489 | 822 | 1117 |
| 270 | 88.1 | 34.5 | 37.3 | 141 | 219 | 138 | 130 | | | 489 | 793 | 1059 |
| 260 | 61.8 | 15.8 | 16.0 | 90.3 | 203 | 131 | 120 | | | 483 | 740 | 955 |
| 250 | 38.3 | | | 49.4 | 175 | 120 | 104 | | | 467 | 677 | 816 |
| 240 | 18.1 | | | 23.8 | 132 | 105 | 82.6 | | 373 | 443 | 599 | 670 |
| 230 | | | | | 72.6 | 85.8 | 55.4 | | 371 | 408 | 511 | 528 |
| 220 | | | | | 12.4 | 62.8 | 30.4 | | 352 | 363 | 427 | 403 |
| 210 | | | | | | 37.5 | | | 314 | 318 | 359 | 324 |
| 200 | | | | | | 12.4 | | | 263 | 277 | 305 | 282 |
| 190 | | | | | | | | | 214 | 243 | 269 | 257 |
| 180 | | | | | | | | | 174 | 216 | 245 | 240 |
| 170 | | | | | | | | | 143 | 192 | 226 | 221 |
| 160 | | | | | | | | | 120 | 170 | 208 | 185 |
| 150 | | | | | | | | | 104 | 148 | 191 | 161 |
| 140 | | | | | | | | | 87.1 | 129 | 170 | 148 |
| 130 | | | | | | | | | 74.2 | 109 | 143 | 141 |
| 120 | | | | | | | | | 68.6 | 100 | 127 | 137 |
| 110 | | | | | | | | | 24.1 | 39.4 | 80.1 | 79.6 |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 11 MAR 1962

| TIME | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q,KP | 3 | 3 | 2 | 2 | 2 | 1 | A1 | 1 | 2 | 2 | S2 | 2 |
| HMIN | 107 | 109 | 109 | 109 | 108 | 109 | | 211 | 149 | 201 | 247 | 278 |
| SCAT | 35.6 | 47.1 | 40.3 | 35.0 | 36.7 | 36.4 | | 24.2 | 32.4 | 46.5 | 58.0 | 41.5 |
| HMAXF | 275 | 282 | 276 | 280 | 273 | 261 | | 263 | 270 | 298 | 370 | 366 |
| SHMAX | 875 | 953 | 874 | 819 | 773 | 615 | | 192 | 170 | 120 | 131 | 90 |
| KM | | | | | | | | | | | | |
| 380 | | | | | | | | | | | 170 | |
| 370 | | | | | | | | | | | 170 | 179 |
| 360 | | | | | | | | | | | 169 | 178 |
| 350 | | | | | | | | | | | 165 | 172 |
| 340 | | | | | | | | | | | 159 | 161 |
| 330 | | | | | | | | | | | 150 | 143 |
| 320 | | | | | | | | | | | 138 | 116 |
| 310 | | | | | | | | | | | 121 | 84.5 |
| 300 | | | | | | | | | | 184 | 99.3 | 55.9 |
| 290 | | 1229 | | | | | | | | 183 | 76.5 | 32.6 |
| 280 | 1353 | 1228 | 1234 | 1229 | 1223 | | | | | 177 | 59.1 | 12.4 |
| 270 | 1347 | 1210 | 1228 | 1205 | 1222 | 1080 | | 594 | 332 | 166 | 42.3 | |
| 260 | 1296 | 1165 | 1187 | 1131 | 1187 | 1080 | | 591 | 383 | 153 | 27.8 | |
| 250 | 1189 | 1073 | 1109 | 1006 | 1103 | 1056 | | 549 | 356 | 137 | 12.4 | |
| 240 | 1028 | 987 | 991 | 842 | 981 | 991 | | 453 | 307 | 118 | | |
| 230 | 803 | 838 | 839 | 656 | 800 | 884 | | 296 | 235 | 94.7 | | |
| 220 | 590 | 665 | 654 | 490 | 599 | 710 | | 124 | 150 | 66.8 | | |
| 210 | 427 | 513 | 492 | 375 | 430 | 495 | | | 63.8 | 38.1 | | |
| 200 | 337 | 395 | 377 | 307 | 320 | 328 | | | 12.4 | | | |
| 190 | 290 | 320 | 307 | 269 | 260 | 225 | | | | | | |
| 180 | 264 | 281 | 268 | 244 | 223 | 178 | | | | | | |
| 170 | 247 | 258 | 245 | 224 | 197 | 148 | | | | | | |
| 160 | 230 | 239 | 226 | 205 | 173 | 124 | | | | | | |
| 150 | 207 | 216 | 205 | 184 | 151 | 103 | | | | | | |
| 140 | 183 | 192 | 176 | 160 | 128 | 89.6 | | | | | | |
| 130 | 156 | 163 | 152 | 136 | 113 | 80.5 | | | | | | |
| 120 | 138 | 145 | 142 | 125 | 105 | 75.8 | | | | | | |
| 110 | 55.6 | 41.8 | 41.8 | 41.8 | 40.4 | 25.1 | | | | | | |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 12 MAR 1962

| TIME | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q,KP | 2 | 2 | 2 | 2 | 2 | 3 | 3 | S3 | 3 | 3 | 3 | 4 |
| HMIN | 270 | 261 | 237 | 208 | 209 | 237 | 241 | 110 | 108 | 109 | 108 | 106 |
| SCAT | 38.1 | 30.5 | 30.1 | 24.3 | 30.5 | 37.8 | 34.4 | 24.2 | 30.5 | 33.5 | 36.3 | 45.7 |
| HMAXF | 351 | 319 | 303 | 261 | 262 | 306 | 321 | 230 | 227 | 245 | 276 | 310 |
| SHMAX | 91 | 70 | 95 | 73 | 64 | 54 | 39 | 130 | 198 | 312 | 515 | 848 |
| KM | | | | | | | | | | | | |
| 360 | 176 | | | | | | | | | | | |
| 350 | 176 | | | | | | | | | | | |
| 340 | 172 | | | | | | | | | | | |
| 330 | 162 | | | | | | 73.4 | | | | | |
| 320 | 147 | 179 | | | | | 73.3 | | | | | |
| 310 | 124 | 176 | 232 | | | 113 | 71.4 | | | | | 896 |
| 300 | 95.1 | 162 | 232 | | | 112 | 66.0 | | | | | 886 |
| 290 | 61.1 | 139 | 222 | | | 108 | 58.9 | | | | | 856 |
| 280 | 33.4 | 103 | 199 | | | 99.9 | 50.1 | | | | 636 | 801 |
| 270 | | 47.0 | 166 | 221 | 171 | 87.4 | 40.6 | | | | 632 | 729 |
| 260 | | | 114 | 220 | 171 | 69.5 | 31.5 | | | | 606 | 648 |
| 250 | | | 57.3 | 209 | 165 | 43.7 | 21.9 | | | 436 | 553 | 566 |
| 240 | | | 19.9 | 179 | 149 | 16.2 | | | | 434 | 491 | 486 |
| 230 | | | | 129 | 122 | | | 263 | 338 | 415 | 427 | 420 |
| 220 | | | | 63.1 | 70.8 | | | 252 | 334 | 377 | 364 | 368 |
| 210 | | | | 17.8 | 12.4 | | | 221 | 313 | 332 | 312 | 328 |
| 200 | | | | | | | | 180 | 274 | 287 | 275 | 297 |
| 190 | | | | | | | | 134 | 221 | 247 | 249 | 274 |
| 180 | | | | | | | | 94.9 | 177 | 212 | 228 | 254 |
| 170 | | | | | | | | 69.4 | 143 | 182 | 205 | 234 |
| 160 | | | | | | | | 54.2 | 118 | 156 | 177 | 211 |
| 150 | | | | | | | | 46.9 | 101 | 133 | 149 | 181 |
| 140 | | | | | | | | 43.7 | 84.9 | 116 | 133 | 158 |
| 130 | | | | | | | | 38.4 | 69.6 | 106 | 125 | 145 |
| 120 | | | | | | | | 32.7 | 63.4 | 100 | 120 | 138 |
| 110 | | | | | | | | 13.0 | 28.0 | 41.8 | 62.7 | 62.7 |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 12 MAR 1962

| TIME | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q,KP | 4 | 4 | S3 | 3 | 3 | 4 | 4 | A4 | 4 | 4 | 4 | 2 |
| HMIN | 108 | 105 | 108 | 109 | 108 | 113 | 109 | 209 | 208 | 149 | 257 | 275 |
| SCAT | 37.3 | 32.9 | 39.2 | 36.5 | 34.8 | 26.8 | 38.3 | 39.8 | 30.0 | 29.5 | 39.8 | 30.4 |
| HMAXF | 296 | 293 | 288 | 286 | 278 | 264 | 261 | 293 | 278 | 257 | 356 | 351 |
| SHMAX | 917 | 968 | 1109 | 1005 | 874 | 640 | 610 | 398 | 247 | 114 | 106 | 89 |
| KM | | | | | | | | | | | | |
| 360 | | | | | | | | | | | 179 | 202 |
| 350 | | | | | | | | | | | 178 | 202 |
| 340 | | | | | | | | | | | 172 | 196 |
| 330 | | | | | | | | | | | 159 | 179 |
| 320 | | | | | | | | | | | 142 | 150 |
| 310 | | | | | | | | | | | 122 | 115 |
| 300 | 1184 | 1411 | | | | | | 775 | | | 97.6 | 74.0 |
| 290 | 1178 | 1408 | 1605 | 1533 | | | | 774 | | | 73.2 | 42.7 |
| 280 | 1132 | 1359 | 1590 | 1523 | 1398 | | | 753 | 610 | | 50.6 | 20.2 |
| 270 | 1042 | 1241 | 1524 | 1460 | 1381 | 1298 | 1080 | 706 | 600 | | 32.0 | |
| 260 | 922 | 1076 | 1408 | 1341 | 1309 | 1291 | 1080 | 634 | 556 | 309 | 15.2 | |
| 250 | 784 | 893 | 1230 | 1168 | 1179 | 1208 | 1057 | 540 | 475 | 304 | | |
| 240 | 655 | 707 | 995 | 955 | 1004 | 1031 | 998 | 391 | 354 | 284 | | |
| 230 | 536 | 545 | 764 | 719 | 796 | 775 | 902 | 208 | 214 | 242 | | |
| 220 | 428 | 426 | 562 | 526 | 591 | 526 | 760 | 84.5 | 93.1 | 171 | | |
| 210 | 351 | 350 | 426 | 389 | 435 | 358 | 569 | 12.4 | 20.5 | 73.3 | | |
| 200 | 308 | 306 | 344 | 312 | 326 | 264 | 382 | | | 12.4 | | |
| 190 | 280 | 279 | 299 | 269 | 257 | 212 | 226 | | | | | |
| 180 | 260 | 259 | 270 | 242 | 222 | 181 | 137 | | | | | |
| 170 | 245 | 239 | 250 | 219 | 197 | 156 | 99.9 | | | | | |
| 160 | 229 | 216 | 232 | 193 | 173 | 135 | 79.8 | | | | | |
| 150 | 206 | 182 | 213 | 161 | 149 | 117 | 66.3 | | | | | |
| 140 | 177 | 159 | 187 | 137 | 123 | 101 | 57.0 | | | | | |
| 130 | 157 | 149 | 161 | 129 | 107 | 90.8 | 51.6 | | | | | |
| 120 | 145 | 143 | 148 | 125 | 99.8 | 81.6 | 46.9 | | | | | |
| 110 | 81.2 | 97.4 | 62.9 | 64.7 | 35.5 | | 12.4 | | | | | |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO — 60 W — 13 MAR 1962

| TIME | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G,KP | 2 | 2 | 1 | A1 | 1 | 2 | 82 | S2 | 2 | A2 | 2 | F1 |
| HMIN | 225 | 228 | 231 | 218 | 210 | 202 | 205 | 110 | 109 | 106 | 108 | |
| SCAT | 35.1 | 34.2 | 35.3 | 22.9 | 27.1 | 23.1 | 39.9 | 26.2 | 41.7 | 41.9 | 49.1 | |
| HMAXF | 317 | 309 | 293 | 261 | 257 | 242 | 311 | 235 | 247 | 257 | 278 | |
| SHMAX | 136 | 100 | 106 | 74 | 66 | 22 | 48 | 134 | 282 | 439 | 615 | |
| KM | | | | | | | | | | | | |
| 320 | 257 | | | | | | 72.7 | | | | | |
| 310 | 254 | 204 | | | | | 72.7 | | | | | |
| 300 | 242 | 200 | 247 | | | | 71.4 | | | | | |
| 290 | 218 | 187 | 247 | | | | 67.0 | | | | | |
| 280 | 190 | 167 | 239 | | | | 62.0 | | | | 740 | |
| 270 | 155 | 139 | 222 | 259 | | | 55.9 | | | | 735 | |
| 260 | 113 | 106 | 194 | 259 | 206 | | 49.2 | | | 564 | 715 | |
| 250 | 73.0 | 69.1 | 147 | 244 | 203 | 77.9 | 42.1 | | 383 | 560 | 677 | |
| 240 | 43.1 | 38.0 | 56.4 | 202 | 187 | 77.7 | 35.1 | 261 | 380 | 541 | 628 | |
| 230 | 20.2 | 12.4 | | 125 | 151 | 72.6 | 28.5 | 254 | 367 | 507 | 556 | |
| 220 | | | | 20.6 | 73.4 | 58.7 | 21.8 | 237 | 342 | 455 | 464 | |
| 210 | | | | | | 33.1 | 12.4 | 207 | 309 | 393 | 376 | |
| 200 | | | | | | | | 163 | 269 | 332 | 305 | |
| 190 | | | | | | | | 118 | 228 | 281 | 259 | |
| 180 | | | | | | | | 82.8 | 188 | 240 | 229 | |
| 170 | | | | | | | | 61.8 | 155 | 206 | 200 | |
| 160 | | | | | | | | 48.0 | 130 | 180 | 168 | |
| 150 | | | | | | | | 40.8 | 112 | 158 | 145 | |
| 140 | | | | | | | | 37.9 | 93.1 | 140 | 135 | |
| 130 | | | | | | | | 32.6 | 77.1 | 120 | 129 | |
| 120 | | | | | | | | 27.9 | 68.5 | 104 | 125 | |
| 110 | | | | | | | | 13.0 | 24.1 | 74.5 | 85.7 | |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO — 60 W — 13 MAR 1962

| TIME | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G,KP | B1 | 1 | 0 | 0 | 0 | 1 | B1 | 1 | 1 | A1 | F1 | F0 |
| HMIN | 104 | 107 | 108 | 107 | 108 | 109 | | 203 | 199 | 230 | 266 | |
| SCAT | 44.8 | 43.8 | 40.6 | 39.0 | 33.8 | 32.9 | | 28.5 | 42.4 | 36.3 | 29.0 | |
| HMAXF | 265 | 273 | 283 | 276 | 259 | 253 | | 264 | 280 | 319 | 337 | |
| SHMAX | 642 | 785 | 916 | 861 | 678 | 501 | | 144 | 117 | 108 | 81 | |
| KM | | | | | | | | | | | | |
| 340 | | | | | | | | | | | 189 | |
| 330 | | | | | | | | | | | 186 | |
| 320 | | | | | | | | | | 197 | 171 | |
| 310 | | | | | | | | | | 193 | 150 | |
| 300 | | 870 | | | | | | | | 183 | 118 | |
| 290 | | 869 | 1287 | | | | | | | 165 | 81.4 | |
| 280 | | 852 | 1285 | 1298 | | | | | 215 | 145 | 44.3 | |
| 270 | 819 | 809 | 1254 | 1291 | | | | 374 | 213 | 121 | 18.4 | |
| 260 | 816 | 750 | 1184 | 1245 | 1131 | 898 | | 372 | 204 | 92.8 | | |
| 250 | 745 | 674 | 1075 | 1157 | 1109 | 896 | | 351 | 168 | 58.7 | | |
| 240 | 754 | 598 | 910 | 1018 | 1037 | 863 | | 307 | 168 | 31.8 | | |
| 230 | 692 | 513 | 711 | 822 | 915 | 790 | | 233 | 141 | | | |
| 220 | 593 | 438 | 532 | 608 | 751 | 664 | | 144 | 95.4 | | | |
| 210 | 477 | 375 | 403 | 438 | 552 | 500 | | 62.9 | 44.9 | | | |
| 200 | 382 | 330 | 325 | 330 | 392 | 351 | | | 12.4 | | | |
| 190 | 316 | 299 | 282 | 275 | 294 | 242 | | | | | | |
| 180 | 278 | 276 | 256 | 244 | 242 | 187 | | | | | | |
| 170 | 254 | 256 | 238 | 220 | 211 | 157 | | | | | | |
| 160 | 234 | 235 | 221 | 196 | 186 | 131 | | | | | | |
| 150 | 208 | 212 | 203 | 171 | 163 | 111 | | | | | | |
| 140 | 186 | 185 | 182 | 150 | 141 | 94.2 | | | | | | |
| 130 | 172 | 166 | 160 | 136 | 123 | 83.1 | | | | | | |
| 120 | 165 | 157 | 146 | 128 | 112 | 77.0 | | | | | | |
| 110 | 68.9 | 61.5 | 69.4 | 87.8 | 69.4 | 41.8 | | | | | | |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO — 60 W — 14 MAR 1962

| TIME | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G,KP | F0 | F0 | 1 | F1 | A1 | A1 | F1 | S1 | 1 | 1 | 1 | 1 |
| HMIN | | 263 | 230 | 219 | 210 | 198 | 217 | 110 | 108 | 108 | 109 | 109 |
| SCAT | | 25.9 | 27.2 | 23.3 | 25.7 | 29.1 | 41.2 | 36.3 | 30.2 | 45.1 | 38.5 | 38.9 |
| HMAXF | | 314 | 285 | 269 | 257 | 270 | 315 | 242 | 232 | 244 | 263 | 276 |
| SHMAX | | 73 | 85 | 80 | 63 | 64 | 59 | 149 | 273 | 363 | 547 | 700 |
| KM | | | | | | | | | | | | |
| 320 | | 197 | | | | | 94.1 | | | | | |
| 310 | | 191 | | | | | 93.7 | | | | | |
| 300 | | 169 | | | | | 91.0 | | | | | |
| 290 | | 141 | 238 | | | | 85.2 | | | | | |
| 280 | | 101 | 237 | | | | 77.4 | | | | | 776 |
| 270 | | 47.8 | 221 | 247 | | 147 | 68.4 | | | | 714 | 970 |
| 260 | | | 190 | 237 | 203 | 143 | 58.3 | | | | 713 | 935 |
| 250 | | | 139 | 204 | 149 | 129 | 46.7 | 236 | | 456 | 694 | 868 |
| 240 | | | 66.0 | 152 | 180 | 110 | 35.5 | 236 | 471 | 456 | 651 | 759 |
| 230 | | | | 81.7 | 137 | 85.2 | 25.1 | 229 | 471 | 445 | 583 | 610 |
| 220 | | | | 12.4 | 59.3 | 57.2 | 12.4 | 214 | 452 | 420 | 498 | 471 |
| 210 | | | | | .4 | 33.9 | | 189 | 406 | 391 | 417 | 373 |
| 200 | | | | | | 12.4 | | 158 | 339 | 358 | 340 | 312 |
| 190 | | | | | | | | 128 | 266 | 319 | 293 | 278 |
| 180 | | | | | | | | 96.6 | 209 | 276 | 264 | 254 |
| 170 | | | | | | | | 73.7 | 165 | 232 | 238 | 231 |
| 160 | | | | | | | | 57.4 | 135 | 194 | 215 | 204 |
| 150 | | | | | | | | 51.1 | 117 | 162 | 194 | 175 |
| 140 | | | | | | | | 45.3 | 107 | 139 | 171 | 156 |
| 130 | | | | | | | | 35.4 | 84.3 | 127 | 154 | 143 |
| 120 | | | | | | | | 29.3 | 71.6 | 102 | 132 | 137 |
| 110 | | | | | | | | 13.0 | 36.0 | 73.2 | 59.8 | 38.1 |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO — 60 W — 14 MAR 1962

| TIME | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G,KP | 1 | 1 | A2 | 2 | 2 | 1 | S1 | 1 | 2 | 2 | 2 | 3 |
| HMIN | 108 | 107 | | 107 | 108 | 109 | | 208 | 189 | 202 | 257 | 258 |
| SCAT | 34.8 | 38.6 | | 35.2 | 38.9 | 36.0 | | 25.9 | 34.0 | 44.4 | 43.8 | 35.1 |
| HMAXF | 274 | 278 | | 266 | 267 | 264 | | 268 | 266 | 291 | 360 | 348 |
| SHMAX | 765 | 849 | | 781 | 717 | 562 | | 285 | 210 | 119 | 107 | 102 |
| KM | | | | | | | | | | | | |
| 360 | | | | | | | | | | | 171 | |
| 350 | | | | | | | | | | | 169 | 193 |
| 340 | | | | | | | | | | | 162 | 190 |
| 330 | | | | | | | | | | | 151 | 180 |
| 320 | | | | | | | | | | | 136 | 162 |
| 310 | | | | | | | | | | | 117 | 136 |
| 300 | | | | | | | | | | 197 | 93.4 | 111 |
| 290 | | | | | | | | | | 196 | 70.6 | 81.6 |
| 280 | 1105 | 1184 | | | | | | | | 193 | 50.0 | 55.0 |
| 270 | 1101 | 1171 | | 1257 | 1105 | 985 | | 782 | 450 | 185 | 32.0 | 32.6 |
| 260 | 1060 | 1118 | | 1247 | 1035 | 982 | | 764 | 447 | 172 | 15.3 | 12.4 |
| 250 | 968 | 1027 | | 1183 | 1050 | 948 | | 686 | 427 | 155 | | |
| 240 | 845 | 886 | | 1081 | 966 | 877 | | 568 | 387 | 135 | | |
| 230 | 685 | 713 | | 899 | 850 | 757 | | 391 | 325 | 109 | | |
| 220 | 536 | 563 | | 691 | 694 | 572 | | 178 | 249 | 77.9 | | |
| 210 | 414 | 433 | | 503 | 505 | 383 | | 38.1 | 162 | 39.3 | | |
| 200 | 339 | 349 | | 363 | 362 | 264 | | | 67.3 | | | |
| 190 | 297 | 302 | | 294 | 272 | 200 | | | 12.4 | | | |
| 180 | 270 | 273 | | 256 | 227 | 164 | | | | | | |
| 170 | 250 | 253 | | 233 | 197 | 134 | | | | | | |
| 160 | 227 | 232 | | 211 | 167 | 107 | | | | | | |
| 150 | 200 | 208 | | 185 | 140 | 85.2 | | | | | | |
| 140 | 175 | 182 | | 155 | 121 | 76.6 | | | | | | |
| 130 | 159 | 162 | | 134 | 110 | 71.7 | | | | | | |
| 120 | 151 | 151 | | 123 | 104 | 69.6 | | | | | | |
| 110 | 103 | 73.4 | | 97.2 | 67.2 | 41.8 | | | | | | |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO — 60 W — 15 MAR 1962

| TIME | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q,KP | 3 | F3 | 2 | 2 | 2 | F2 | F2 | S2 | 1 | 1 | 1 | 1 |
| HMIN | 249 | 267 | 244 | 206 | 211 | 219 | 211 | 110 | 109 | 108 | 108 | 106 |
| SCAT | 34.6 | 29.3 | 31.5 | 29.9 | 24.2 | 36.4 | 42.2 | 28.1 | 36.0 | 42.5 | 47.5 | 43.3 |
| HMAXF | 322 | 331 | 311 | 276 | 254 | 285 | 304 | 233 | 239 | 247 | 279 | 291 |
| SHMAX | 86 | 88 | 126 | 106 | 76 | 48 | 58 | 137 | 278 | 395 | 600 | 863 |
| KM | | | | | | | | | | | | |
| 340 | | 218 | | | | | | | | | | |
| 330 | 185 | 218 | | | | | | | | | | |
| 320 | 185 | 211 | 295 | | | | | | | | | |
| 310 | 180 | 190 | 295 | | | | 94.1 | | | | | |
| 300 | 166 | 157 | 285 | | | | 93.9 | | | | | 1031 |
| 290 | 146 | 110 | 261 | | | 102 | 91.5 | | | | | 1031 |
| 280 | 117 | 60.0 | 224 | 266 | | 102 | 86.5 | | | | 651 | 1015 |
| 270 | 74.8 | 20.7 | 173 | 264 | | 98.0 | 78.7 | | | | 645 | 971 |
| 260 | 39.4 | | 98.2 | 247 | 247 | 90.0 | 70.0 | | | | 626 | 898 |
| 250 | 12.4 | | 34.2 | 215 | 246 | 79.3 | 59.2 | | | 512 | 591 | 806 |
| 240 | | | | 156 | 227 | 62.2 | 47.4 | 269 | 442 | 508 | 543 | 697 |
| 230 | | | | 87.7 | 185 | 39.8 | 35.5 | 268 | 435 | 491 | 488 | 589 |
| 220 | | | | 45.3 | 120 | 12.4 | 22.3 | 255 | 411 | 457 | 434 | 488 |
| 210 | | | | 18.8 | | | | 224 | 370 | 413 | 384 | 403 |
| 200 | | | | | | | | 182 | 308 | 358 | 339 | 342 |
| 190 | | | | | | | | 134 | 243 | 309 | 301 | 303 |
| 180 | | | | | | | | 91.1 | 192 | 266 | 269 | 276 |
| 170 | | | | | | | | 62.7 | 153 | 228 | 243 | 253 |
| 160 | | | | | | | | 51.4 | 123 | 196 | 217 | 230 |
| 150 | | | | | | | | 45.6 | 104 | 168 | 184 | 205 |
| 140 | | | | | | | | 40.5 | 92.4 | 145 | 158 | 174 |
| 130 | | | | | | | | 35.3 | 78.3 | 127 | 144 | 153 |
| 120 | | | | | | | | 28.3 | 71.4 | 111 | 136 | 144 |
| 110 | | | | | | | | 13.0 | 25.1 | 57.2 | 80.5 | 72.1 |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO — 60 W — 15 MAR 1962

| TIME | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q,KP | 1 | 1 | 1 | 1 | 1 | 3 | A3 | 3 | 1 | S1 | 1 | 1 |
| HMIN | 105 | 107 | 109 | 108 | 107 | 108 | | 189 | 219 | 198 | 202 | 234 |
| SCAT | 34.6 | 32.7 | 33.1 | 36.2 | 31.4 | 33.1 | | 41.2 | 47.5 | 39.6 | 31.3 | 28.3 |
| HMAXF | 282 | 282 | 267 | 274 | 265 | 265 | | 283 | 317 | 296 | 292 | 302 |
| SHMAX | 890 | 966 | 824 | 829 | 742 | 683 | | 356 | 271 | 206 | 151 | 115 |
| KM | | | | | | | | | | | | |
| 320 | | | | | | | | | 471 | | | |
| 310 | | | | | | | | | 469 | | | 264 |
| 300 | | | | | | | | | 456 | 371 | 299 | 284 |
| 290 | 1240 | 1484 | | | | | | 616 | 432 | 364 | 279 | 271 |
| 280 | 1239 | 1483 | | 1240 | | | | 615 | 399 | 356 | 288 | 237 |
| 270 | 1206 | 1437 | 1298 | 1236 | 1275 | 1229 | | 599 | 352 | 329 | 261 | 196 |
| 260 | 1119 | 1314 | 1263 | 1194 | 1267 | 1222 | | 563 | 287 | 295 | 230 | 137 |
| 250 | 983 | 1147 | 1210 | 1102 | 1203 | 1166 | | 515 | 211 | 247 | 192 | 72.1 |
| 240 | 831 | 944 | 1079 | 968 | 1074 | 1052 | | 449 | 128 | 190 | 147 | 30.0 |
| 230 | 684 | 729 | 893 | 791 | 890 | 875 | | 368 | 56.4 | 122 | 99.1 | |
| 220 | 550 | 547 | 690 | 611 | 673 | 649 | | 282 | 12.4 | 68.2 | 57.0 | |
| 210 | 442 | 418 | 527 | 463 | 473 | 452 | | 181 | | 38.2 | 28.5 | |
| 200 | 367 | 342 | 404 | 357 | 341 | 310 | | 78.9 | | 12.4 | | |
| 190 | 318 | 301 | 328 | 299 | 274 | 231 | | 12.4 | | | | |
| 180 | 284 | 275 | 287 | 265 | 236 | 188 | | | | | | |
| 170 | 260 | 250 | 264 | 241 | 209 | 157 | | | | | | |
| 160 | 238 | 224 | 241 | 216 | 185 | 130 | | | | | | |
| 150 | 215 | 193 | 207 | 192 | 162 | 103 | | | | | | |
| 140 | 185 | 167 | 177 | 170 | 140 | 88.2 | | | | | | |
| 130 | 163 | 156 | 158 | 149 | 122 | 80.6 | | | | | | |
| 120 | 151 | 150 | 150 | 136 | 112 | 76.8 | | | | | | |
| 110 | 112 | 66.2 | 41.8 | 41.8 | 88.2 | 57.4 | | | | | | |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO — 60 W — 16 MAR 1962

| TIME | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q,KP | 1 | F1 | 1 | 1 | 1 | 2 | 2 | S2 | 1 | 1 | 1 | 1 |
| HMIN | 268 | 247 | 244 | 224 | 229 | 219 | 211 | 109 | 108 | 108 | 108 | 108 |
| SCAT | 29.1 | 38.9 | 27.3 | 39.2 | 29.4 | 28.1 | 43.0 | 26.6 | 34.2 | 38.4 | 35.7 | 43.3 |
| HMAXF | 329 | 331 | 310 | 320 | 290 | 276 | 294 | 224 | 229 | 249 | 253 | 290 |
| SHMAX | 87 | 117 | 88 | 111 | 88 | 73 | 88 | 168 | 262 | 414 | 462 | 726 |
| KM | | | | | | | | | | | | |
| 340 | | 226 | | | | | | | | | | |
| 330 | 226 | 226 | | | | | | | | | | |
| 320 | 220 | 221 | | 197 | | | | | | | | |
| 310 | 201 | 210 | 224 | 193 | | | | | | | | |
| 300 | 171 | 190 | 216 | 184 | 223 | | 163 | | | | | |
| 290 | 121 | 163 | 193 | 168 | 223 | | 162 | | | | | 842 |
| 280 | 59.7 | 125 | 158 | 147 | 216 | 196 | 158 | | | | | 832 |
| 270 | 16.8 | 79.4 | 112 | 118 | 196 | 193 | 150 | | | | | 799 |
| 260 | | 42.9 | 63.3 | 88.2 | 164 | 179 | 137 | | | | 651 | 742 |
| 250 | | 16.2 | 28.0 | 60.2 | 119 | 152 | 117 | | | 556 | 650 | 667 |
| 240 | | | | 37.8 | 55.5 | 108 | 86.7 | | | 548 | 630 | 576 |
| 230 | | | | 21.0 | 12.4 | 56.1 | 51.4 | 369 | 428 | 521 | 585 | 482 |
| 220 | | | | | | 12.4 | 27.5 | 367 | 420 | 474 | 513 | 403 |
| 210 | | | | | | | | 344 | 395 | 409 | 424 | 347 |
| 200 | | | | | | | | 294 | 350 | 349 | 347 | 310 |
| 190 | | | | | | | | 220 | 294 | 299 | 290 | 284 |
| 180 | | | | | | | | 145 | 236 | 260 | 255 | 262 |
| 170 | | | | | | | | 89.8 | 148 | 229 | 229 | 238 |
| 160 | | | | | | | | 66.2 | 149 | 201 | 203 | 209 |
| 150 | | | | | | | | 54.1 | 124 | 174 | 169 | 182 |
| 140 | | | | | | | | 46.1 | 101 | 152 | 147 | 164 |
| 130 | | | | | | | | 40.4 | 84.7 | 124 | 136 | 152 |
| 120 | | | | | | | | 37.7 | 78.5 | 109 | 131 | 145 |
| 110 | | | | | | | | 21.6 | 43.3 | 49.1 | 66.6 | 92.2 |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO — 60 W — 16 MAR 1962

| TIME | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q,KP | 1 | 1 | 1 | 1 | A1 | 1 | 1 | C1 | 1 | S1 | 1 | 2 |
| HMIN | 108 | 108 | 105 | 108 | 105 | 108 | 109 | | 203 | 204 | 203 | 227 |
| SCAT | 41.6 | 46.1 | 34.6 | 38.7 | 46.7 | 33.1 | 37.7 | | 28.9 | 48.1 | 48.3 | 39.6 |
| HMAXF | 282 | 288 | 282 | 280 | 274 | 261 | 260 | | 281 | 292 | 321 | 331 |
| SHMAX | 792 | 923 | 900 | 954 | 762 | 585 | 457 | | 255 | 278 | 185 | 143 |
| KM | | | | | | | | | | | | |
| 340 | | | | | | | | | | | | 243 |
| 330 | | | | | | | | | | | 265 | 243 |
| 320 | | | | | | | | | | | 265 | 238 |
| 310 | | | | | | | | | | | 262 | 225 |
| 300 | | | | | | | | | | 450 | 253 | 205 |
| 290 | 985 | 1121 | 1298 | 1411 | | | | | 544 | 450 | 239 | 179 |
| 280 | 985 | 1111 | 1298 | 1411 | 976 | | | | 573 | 443 | 218 | 144 |
| 270 | 966 | 1076 | 1262 | 1387 | 974 | 1031 | | | 571 | 426 | 193 | 110 |
| 260 | 918 | 1010 | 1170 | 1316 | 955 | 1031 | 775 | | 511 | 397 | 165 | 78.6 |
| 250 | 840 | 926 | 1031 | 1199 | 912 | 1004 | 762 | | 430 | 364 | 134 | 50.9 |
| 240 | 747 | 817 | 861 | 1020 | 847 | 926 | 721 | | 329 | 321 | 101 | 32.4 |
| 230 | 638 | 687 | 683 | 821 | 764 | 811 | 653 | | 202 | 261 | 69.2 | 15.3 |
| 220 | 529 | 552 | 527 | 615 | 660 | 643 | 554 | | 97.2 | 174 | 43.2 | |
| 210 | 429 | 440 | 407 | 446 | 541 | 450 | 429 | | 36.1 | 62.9 | 23.0 | |
| 200 | 357 | 364 | 339 | 349 | 421 | 313 | 298 | | | | | |
| 190 | 312 | 315 | 301 | 296 | 324 | 233 | 200 | | | | | |
| 180 | 283 | 285 | 274 | 263 | 264 | 189 | 138 | | | | | |
| 170 | 257 | 265 | 254 | 237 | 225 | 158 | 104 | | | | | |
| 160 | 231 | 238 | 232 | 211 | 197 | 130 | 83.3 | | | | | |
| 150 | 202 | 203 | 210 | 183 | 171 | 103 | 69.6 | | | | | |
| 140 | 177 | 176 | 185 | 155 | 146 | 90.4 | 59.6 | | | | | |
| 130 | 161 | 160 | 162 | 140 | 129 | 85.3 | 55.0 | | | | | |
| 120 | 152 | 152 | 148 | 133 | 118 | 82.7 | 43.2 | | | | | |
| 110 | 73.8 | 80.9 | 130 | 80.3 | 102 | 41.2 | 21.2 | | | | | |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 17 MAR 1962

| TIME | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G,KP | 2 | A2 | 1 | F1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| HMIN | 233 | 249 | 240 | 229 | 219 | 220 | 244 | 107 | 108 | 106 | 108 | 108 |
| SCAT | 31.5 | 33.5 | 31.7 | 27.8 | 33.4 | 33.3 | 35.0 | 21.2 | 34.2 | 41.1 | 35.8 | 35.4 |
| HMAXF | 318 | 331 | 311 | 301 | 264 | 293 | 312 | 219 | 225 | 249 | 264 | 263 |
| SHMAX | 99 | 108 | 113 | 102 | 101 | 80 | 76 | 174 | 265 | 433 | 562 | 651 |
| KM | | | | | | | | | | | | |
| 340 | | 226 | | | | | | | | | | |
| 330 | | 226 | | | | | | | | | | |
| 320 | 243 | 220 | 259 | | | | 168 | | | | | |
| 310 | 239 | 204 | 253 | 238 | | | 168 | | | | | |
| 300 | 224 | 178 | 252 | 238 | | 171 | 163 | | | | | |
| 290 | 197 | 143 | 231 | 226 | 236 | 171 | 151 | | | | | |
| 280 | 150 | 104 | 199 | 204 | 235 | 165 | 131 | | | | | |
| 270 | 81.6 | 60.1 | 153 | 173 | 225 | 151 | 101 | | | | 730 | 476 |
| 260 | 34.8 | 32.0 | 97.4 | 134 | 205 | 129 | 64.1 | | | | 727 | 475 |
| 250 | | 4.7 | 42.7 | 82.2 | 174 | 103 | 30.0 | | | 583 | 700 | 945 |
| 240 | | | 3.1 | 41.8 | 118 | 72.2 | | | | 576 | 642 | 673 |
| 230 | | | | 12.4 | 54.9 | 40.2 | | | 450 | 553 | 570 | 769 |
| 220 | | | | | 12.4 | 3.1 | | 491 | 448 | 514 | 492 | 635 |
| 210 | | | | | | | | 471 | 428 | 449 | 420 | 493 |
| 200 | | | | | | | | 396 | 369 | 375 | 361 | 382 |
| 190 | | | | | | | | 250 | 332 | 315 | 316 | 309 |
| 180 | | | | | | | | 118 | 263 | 269 | 261 | 271 |
| 170 | | | | | | | | 76.5 | 202 | 236 | 253 | 240 |
| 160 | | | | | | | | 58.4 | 155 | 207 | 225 | 207 |
| 150 | | | | | | | | 50.3 | 122 | 177 | 198 | 181 |
| 140 | | | | | | | | 46.4 | 100 | 148 | 165 | 165 |
| 130 | | | | | | | | 41.7 | 87.9 | 122 | 135 | 155 |
| 120 | | | | | | | | 35.7 | 82.1 | 111 | 125 | 149 |
| 110 | | | | | | | | 19.9 | 37.6 | 82.1 | 59.0 | 73.4 |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 17 MAR 1962

| TIME | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G,KP | A1 | 1 | 0 | 0 | 0 | A0 | A0 | 0 | S0 | S0 | 0 | 1 |
| HMIN | 109 | 107 | 109 | 108 | 109 | | | 209 | 209 | 199 | 247 | 265 |
| SCAT | 40.8 | 49.2 | 40.9 | 41.1 | 38.7 | | | 39.9 | 36.9 | 32.4 | 40.5 | 37.4 |
| HMAXF | 269 | 288 | 277 | 281 | 269 | | | 291 | 281 | 269 | 347 | 350 |
| SHMAX | 774 | 880 | 803 | 884 | 758 | | | 463 | 350 | 154 | 124 | 113 |
| KM | | | | | | | | | | | | |
| 360 | | | | | | | | | | | | 215 |
| 350 | | | | | | | | | | | 206 | 215 |
| 340 | | | | | | | | | | | 204 | 211 |
| 330 | | | | | | | | | | | 197 | 199 |
| 320 | | | | | | | | | | | 182 | 180 |
| 310 | | | | | | | | | | | 164 | 153 |
| 300 | | | | | | | | 932 | | | 141 | 121 |
| 290 | | 985 | | 1184 | | | | 932 | 747 | | 115 | 85.1 |
| 280 | | 978 | 1031 | 1184 | | | | 916 | 747 | | 87.5 | 47.5 |
| 270 | 1080 | 951 | 1024 | 1164 | 1131 | | | 870 | 731 | 354 | 60.4 | 20.7 |
| 260 | 1067 | 903 | 967 | 1109 | 1117 | | | 796 | 687 | 347 | 37.9 | |
| 250 | 1021 | 835 | 916 | 1017 | 1066 | | | 663 | 616 | 323 | 16.2 | |
| 240 | 946 | 748 | 823 | 896 | 977 | | | 476 | 517 | 283 | | |
| 230 | 820 | 650 | 711 | 745 | 850 | | | 266 | 342 | 226 | | |
| 220 | 656 | 554 | 588 | 594 | 688 | | | 97.3 | 142 | 152 | | |
| 210 | 506 | 471 | 476 | 464 | 527 | | | 22.0 | 24.1 | 59.7 | | |
| 200 | 386 | 399 | 388 | 374 | 389 | | | | | 12.4 | | |
| 190 | 324 | 345 | 329 | 318 | 299 | | | | | | | |
| 180 | 299 | 307 | 290 | 279 | 252 | | | | | | | |
| 170 | 261 | 279 | 263 | 251 | 219 | | | | | | | |
| 160 | 237 | 251 | 240 | 227 | 190 | | | | | | | |
| 150 | 210 | 225 | 215 | 204 | 166 | | | | | | | |
| 140 | 187 | 193 | 185 | 178 | 148 | | | | | | | |
| 130 | 171 | 173 | 166 | 155 | 136 | | | | | | | |
| 120 | 161 | 163 | 158 | 144 | 130 | | | | | | | |
| 110 | 48.8 | 51.9 | 64.7 | 43.7 | 27.3 | | | | | | | |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 18 MAR 1962

| TIME | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G,KP | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 83 | 82 |
| HMIN | 241 | 249 | 241 | 227 | 235 | 235 | 258 | 109 | 108 | 108 | 109 | 104 |
| SCAT | 33.2 | 34.0 | 35.5 | 31.2 | 32.0 | 36.5 | 36.4 | 31.9 | 33.3 | 43.5 | 47.4 | 31.4 |
| HMAXF | 321 | 319 | 312 | 296 | 301 | 319 | 349 | 243 | 246 | 262 | 289 | 274 |
| SHMAX | 98 | 91 | 97 | 86 | 79 | 90 | 79 | 198 | 340 | 551 | 840 | 855 |
| KM | | | | | | | | | | | | |
| 350 | | | | | | | 149 | | | | | |
| 340 | | | | | | | 147 | | | | | |
| 330 | 206 | | | | | | 139 | | | | | |
| 320 | 206 | 197 | 212 | | | 170 | 126 | | | | | |
| 310 | 200 | 193 | 211 | | 183 | 167 | 106 | | | | | |
| 300 | 185 | 181 | 206 | 204 | 183 | 159 | 83.2 | | | | | |
| 290 | 161 | 160 | 191 | 202 | 178 | 145 | 60.9 | | | | 985 | |
| 280 | 129 | 134 | 164 | 191 | 164 | 123 | 42.0 | | | | 976 | 1296 |
| 270 | 83.2 | 96.4 | 133 | 168 | 140 | 97.9 | 26.5 | | | 707 | 944 | 1292 |
| 260 | 54.2 | 55.7 | 83.9 | 134 | 108 | 69.4 | 7.9 | | | 707 | 888 | 1231 |
| 250 | 29.1 | 12.4 | 37.5 | 84.4 | 68.3 | 41.7 | | 373 | 616 | 693 | 816 | 1102 |
| 240 | | | | 43.3 | 27.3 | 20.2 | | 372 | 611 | 661 | 725 | 927 |
| 230 | | | | 16.2 | | | | 356 | 560 | 610 | 622 | 746 |
| 220 | | | | | | | | 324 | 522 | 540 | 517 | 577 |
| 210 | | | | | | | | 266 | 438 | 460 | 424 | 454 |
| 200 | | | | | | | | 196 | 348 | 385 | 356 | 374 |
| 190 | | | | | | | | 134 | 271 | 323 | 308 | 325 |
| 180 | | | | | | | | 91.0 | 218 | 274 | 272 | 293 |
| 170 | | | | | | | | 68.0 | 178 | 234 | 239 | 264 |
| 160 | | | | | | | | 57.6 | 147 | 203 | 207 | 234 |
| 150 | | | | | | | | 52.5 | 123 | 179 | 178 | 204 |
| 140 | | | | | | | | 45.6 | 103 | 154 | 161 | 180 |
| 130 | | | | | | | | 37.0 | 87.4 | 125 | 151 | 167 |
| 120 | | | | | | | | 31.6 | 79.6 | 110 | 145 | 159 |
| 110 | | | | | | | | 12.4 | 38.1 | 53.3 | 41.8 | 132 |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 18 MAR 1962

| TIME | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G,KP | 2 | 2 | 2 | 2 | 2 | S2 | A2 | 2 | 3 | 3 | 3 | 2 |
| HMIN | 109 | 110 | 109 | 109 | 109 | 109 | 110 | 219 | 211 | 189 | 208 | 259 |
| SCAT | 36.1 | 41.2 | 32.3 | 39.4 | 40.4 | 40.4 | 37.6 | 32.0 | 33.8 | 33.4 | 56.0 | 38.0 |
| HMAXF | 281 | 280 | 265 | 284 | 279 | 279 | 291 | 291 | 283 | 263 | 333 | 362 |
| SHMAX | 974 | 1063 | 764 | 866 | 867 | 754 | 644 | 512 | 459 | 221 | 175 | 110 |
| KM | | | | | | | | | | | | |
| 370 | | | | | | | | | | | | 189 |
| 360 | | | | | | | | | | | | 189 |
| 350 | | | | | | | | | | | | 185 |
| 340 | | | | | | | | | | | 224 | 172 |
| 330 | | | | | | | | | | | 223 | 156 |
| 320 | | | | | | | | | | | 221 | 134 |
| 310 | | | | | | | | | | | 214 | 108 |
| 300 | | | | | | | 1080 | 1234 | | | 204 | 82.8 |
| 290 | 1424 | 1477 | | 1147 | | | 1080 | 1234 | 1075 | | 191 | 60.9 |
| 280 | 1423 | 1477 | | 1144 | 1240 | 1075 | 1057 | 1200 | 1072 | | 174 | 41.8 |
| 270 | 1390 | 1455 | 1136 | 1113 | 1226 | 1061 | 935 | 1105 | 1033 | 469 | 153 | 25.8 |
| 260 | 1303 | 1389 | 1130 | 1039 | 1174 | 1015 | 896 | 940 | 950 | 468 | 131 | 3.1 |
| 250 | 1161 | 1278 | 1064 | 940 | 1086 | 934 | 776 | 696 | 791 | 452 | 107 | |
| 240 | 979 | 1127 | 972 | 814 | 955 | 827 | 588 | 344 | 564 | 413 | 81.5 | |
| 230 | 772 | 927 | 830 | 676 | 786 | 685 | 416 | 110 | 279 | 357 | 58.4 | |
| 220 | 593 | 731 | 683 | 547 | 602 | 535 | 279 | 22.1 | 66.1 | 285 | 33.5 | |
| 210 | 452 | 554 | 549 | 442 | 456 | 412 | 186 | | | 204 | 12.4 | |
| 200 | 373 | 425 | 437 | 369 | 354 | 321 | 130 | | | 111 | | |
| 190 | 325 | 354 | 364 | 318 | 289 | 258 | 96.0 | | | 24.5 | | |
| 180 | 295 | 311 | 319 | 281 | 251 | 215 | 72.9 | | | | | |
| 170 | 272 | 285 | 287 | 251 | 222 | 184 | 59.9 | | | | | |
| 160 | 243 | 259 | 260 | 223 | 197 | 157 | 54.8 | | | | | |
| 150 | 199 | 226 | 229 | 194 | 172 | 136 | 52.2 | | | | | |
| 140 | 176 | 194 | 195 | 162 | 149 | 118 | 48.6 | | | | | |
| 130 | 167 | 177 | 170 | 144 | 133 | 105 | 43.3 | | | | | |
| 120 | 154 | 157 | 158 | 137 | 124 | 98.7 | 33.9 | | | | | |
| 110 | 27.3 | 12.4 | 39.4 | 37.2 | 39.4 | 41.8 | 13.0 | | | | | |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 19 MAR 1962

| TIME | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q,KP | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | A4 | 4 | C4 | 3 |
| HMIN | 258 | 254 | 249 | 235 | 239 | 208 | 258 | 109 | 109 | 109 | | 109 |
| SCAT | 42.2 | 31.0 | 38.0 | 31.5 | 39.8 | 63.2 | 47.1 | 39.1 | 38.7 | 56.7 | | 38.5 |
| HMAXF | 358 | 328 | 323 | 296 | 309 | 303 | 344 | 248 | 254 | 284 | | 265 |
| SHMAX | 110 | 81 | 95 | 80 | 82 | 104 | 70 | 232 | 342 | 691 | | 1001 |
| KM | | | | | | | | | | | | |
| 360 | 183 | | | | | | | | | | | |
| 350 | 182 | | | | | | 118 | | | | | |
| 340 | 175 | | | | | | 118 | | | | | |
| 330 | 163 | 181 | 195 | | | | 115 | | | | | |
| 320 | 146 | 178 | 194 | | | | 110 | | | | | |
| 310 | 123 | 165 | 189 | | 170 | 153 | 103 | | | | | |
| 300 | 97.6 | 143 | 177 | 204 | 168 | 152 | 90.7 | | | | | |
| 290 | 72.1 | 116 | 157 | 202 | 160 | 151 | 75.6 | | | 740 | | 1353 |
| 280 | 47.1 | 82.5 | 125 | 190 | 148 | 147 | 57.6 | | | 740 | | 1348 |
| 270 | 28.1 | 50.0 | 88.6 | 168 | 126 | 142 | 35.5 | | | 730 | | 1303 |
| 260 | 7.7 | 22.9 | 44.0 | 130 | 92.9 | 137 | 12.4 | | 602 | 708 | | 1212 |
| 250 | | | 12.4 | 65.4 | 52.5 | 122 | | 371 | 600 | 676 | | 1076 |
| 240 | | | | 21.6 | 12.4 | 97.9 | | 367 | 581 | 631 | | 924 |
| 230 | | | | | | 66.5 | | 351 | 544 | 576 | | 763 |
| 220 | | | | | | 36.7 | | 324 | 481 | 512 | | 611 |
| 210 | | | | | | 12.4 | | 279 | 393 | 444 | | 489 |
| 200 | | | | | | | | 223 | 308 | 378 | | 399 |
| 190 | | | | | | | | 166 | 244 | 319 | | 340 |
| 180 | | | | | | | | 116 | 193 | 272 | | 301 |
| 170 | | | | | | | | 84.7 | 152 | 236 | | 273 |
| 160 | | | | | | | | 67.6 | 120 | 202 | | 246 |
| 150 | | | | | | | | 58.3 | 100 | 171 | | 217 |
| 140 | | | | | | | | 53.8 | 84.5 | 140 | | 184 |
| 130 | | | | | | | | 51.1 | 72.7 | 125 | | 164 |
| 120 | | | | | | | | 45.3 | 67.0 | 118 | | 154 |
| 110 | | | | | | | | 22.0 | 29.7 | 38.1 | | 33.0 |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 19 MAR 1962

| TIME | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q,KP | 3 | 3 | 3 | 3 | 3 | 2 | S2 | 2 | 1 | 1 | 1 | 2 |
| HMIN | 109 | 107 | 107 | 109 | 109 | 109 | 108 | 221 | 192 | 130 | 254 | 298 |
| SCAT | 40.0 | 44.7 | 41.2 | 42.4 | 47.9 | 39.4 | 43.3 | 28.4 | 21.0 | 36.4 | 48.3 | 43.0 |
| HMAXF | 295 | 308 | 296 | 291 | 296 | 297 | 313 | 287 | 244 | 269 | 381 | 391 |
| SHMAX | 1101 | 1249 | 1236 | 1164 | 1076 | 917 | 1037 | 692 | 313 | 154 | 93 | 94 |
| KM | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | 160 |
| 390 | | | | | | | | | | | 124 | 160 |
| 380 | | | | | | | | | | | 124 | 157 |
| 370 | | | | | | | | | | | 122 | 151 |
| 360 | | | | | | | | | | | 118 | 140 |
| 350 | | | | | | | | | | | 110 | 124 |
| 340 | | | | | | | | | | | 102 | 104 |
| 330 | | | | | | | | | | | 91.6 | 80.6 |
| 320 | | | | | | | 1491 | | | | 80.5 | 55.4 |
| 310 | | 1347 | | | | | 1489 | | | | 69.2 | 32.2 |
| 300 | 1424 | 1339 | 1561 | 1547 | 1347 | 1298 | 1459 | | | | 54.0 | 12.4 |
| 290 | 1418 | 1305 | 1553 | 1546 | 1343 | 1289 | 1389 | 1776 | | | 42.2 | |
| 280 | 1373 | 1243 | 1502 | 1520 | 1311 | 1240 | 1278 | 1744 | | | 32.3 | |
| 270 | 1277 | 1152 | 1403 | 1451 | 1251 | 1147 | 1137 | 1612 | | 292 | 23.4 | |
| 260 | 1152 | 1050 | 1266 | 1340 | 1157 | 1021 | 956 | 1382 | | 288 | 14.2 | |
| 250 | 1002 | 939 | 1106 | 1184 | 1047 | 866 | 754 | 1044 | 1131 | 273 | | |
| 240 | 822 | 818 | 935 | 995 | 846 | 690 | 561 | 592 | 1122 | 247 | | |
| 230 | 660 | 692 | 764 | 803 | 711 | 538 | 401 | 173 | 1009 | 214 | | |
| 220 | 535 | 579 | 622 | 636 | 555 | 408 | 286 | | 765 | 175 | | |
| 210 | 439 | 490 | 505 | 506 | 434 | 321 | 210 | | 304 | 130 | | |
| 200 | 375 | 420 | 420 | 408 | 351 | 265 | 162 | | 62.0 | 86.2 | | |
| 190 | 335 | 367 | 363 | 343 | 295 | 225 | 128 | | | 31.1 | | |
| 180 | 307 | 328 | 324 | 298 | 258 | 194 | 105 | | | | | |
| 170 | 284 | 297 | 299 | 264 | 231 | 168 | 86.0 | | | | | |
| 160 | 257 | 269 | 272 | 236 | 203 | 143 | 73.5 | | | | | |
| 150 | 219 | 241 | 240 | 210 | 177 | 119 | 64.7 | | | | | |
| 140 | 178 | 210 | 208 | 179 | 154 | 103 | 59.3 | | | | | |
| 130 | 160 | 183 | 181 | 153 | 138 | 95.2 | 56.3 | | | | | |
| 120 | 152 | 172 | 166 | 142 | 127 | 91.0 | 54.5 | | | | | |
| 110 | 33.5 | 39.4 | 88.1 | 33.0 | 41.8 | 27.3 | 27.3 | | | | | |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 20 MAR 1962

| TIME | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q,KP | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 |
| HMIN | 277 | 289 | 287 | 269 | 221 | 202 | 197 | 111 | 110 | 108 | 106 | 107 |
| SCAT | 38.5 | 40.6 | 34.1 | 43.8 | 25.6 | 29.2 | 58.5 | 34.3 | 43.5 | 49.3 | 43.2 | 50.4 |
| HMAXF | 358 | 369 | 363 | 353 | 279 | 249 | 314 | 245 | 255 | 286 | 286 | 293 |
| SHMAX | 87 | 87 | 83 | 104 | 85 | 50 | 69 | 226 | 388 | 679 | 891 | 1144 |
| KM | | | | | | | | | | | | |
| 370 | | 162 | 173 | | | | | | | | | |
| 360 | 166 | 160 | 172 | 186 | | | | | | | | |
| 350 | 164 | 153 | 167 | 186 | | | | | | | | |
| 340 | 155 | 142 | 152 | 182 | | | | | | | | |
| 330 | 144 | 125 | 134 | 173 | | | | | | | | |
| 320 | 124 | 102 | 106 | 160 | | | 85.8 | | | | | |
| 310 | 99.7 | 73.9 | 76.5 | 139 | | | 85.7 | | | | | |
| 300 | 73.8 | 43.9 | 45.8 | 111 | | | 84.5 | | | | | 1347 |
| 290 | 43.3 | 12.4 | 19.3 | 79.0 | | | 82.1 | | | 747 | 1121 | 1346 |
| 280 | 16.2 | | | 42.2 | 246 | | 78.2 | | | 744 | 1115 | 1326 |
| 270 | | | | 12.4 | 239 | | 73.4 | | | 728 | 1083 | 1280 |
| 260 | | | | | 214 | | 67.5 | | 539 | 695 | 1017 | 1204 |
| 250 | | | | | 169 | 149 | 60.8 | 407 | 537 | 647 | 929 | 1107 |
| 240 | | | | | 98.7 | 145 | 52.8 | 405 | 523 | 588 | 815 | 983 |
| 230 | | | | | 39.8 | 134 | 43.9 | 387 | 495 | 518 | 674 | 835 |
| 220 | | | | | | 105 | 34.9 | 352 | 453 | 450 | 544 | 668 |
| 210 | | | | | | 45.6 | 25.6 | 293 | 392 | 391 | 442 | 528 |
| 200 | | | | | | | 12.4 | 213 | 323 | 342 | 371 | 427 |
| 190 | | | | | | | | 146 | 261 | 301 | 323 | 358 |
| 180 | | | | | | | | 104 | 210 | 266 | 290 | 315 |
| 170 | | | | | | | | 84.8 | 170 | 233 | 260 | 285 |
| 160 | | | | | | | | 72.1 | 139 | 204 | 232 | 259 |
| 150 | | | | | | | | 60.6 | 113 | 177 | 206 | 233 |
| 140 | | | | | | | | 51.9 | 93.5 | 147 | 176 | 204 |
| 130 | | | | | | | | 47.7 | 86.5 | 120 | 146 | 176 |
| 120 | | | | | | | | 35.8 | 75.8 | 111 | 133 | 154 |
| 110 | | | | | | | | | 12.4 | 79.9 | 68.1 | 102 |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 20 MAR 1962

| TIME | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q,KP | 4 | 4 | 3 | 3 | A3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 |
| HMIN | 108 | 108 | 107 | 108 | 109 | 109 | 110 | 211 | 201 | 209 | 279 | 279 |
| SCAT | 42.2 | 45.3 | 48.3 | 43.8 | 46.6 | 38.3 | 39.2 | 31.6 | 41.6 | 50.6 | 43.4 | 41.1 |
| HMAXF | 291 | 293 | 289 | 288 | 303 | 286 | 285 | 281 | 246 | 327 | 381 | 378 |
| SHMAX | 1107 | 1238 | 1231 | 954 | 984 | 873 | 745 | 488 | 362 | 271 | 195 | 201 |
| KM | | | | | | | | | | | | |
| 390 | | | | | | | | | | | 311 | |
| 380 | | | | | | | | | | | 311 | 340 |
| 370 | | | | | | | | | | | 306 | 337 |
| 360 | | | | | | | | | | | 293 | 323 |
| 350 | | | | | | | | | | | 272 | 299 |
| 340 | | | | | | | | | | | 243 | 267 |
| 330 | | | | | | | | | | 368 | 208 | 223 |
| 320 | | | | | | | | | | 366 | 170 | 184 |
| 310 | | | | | 1157 | | | | | 357 | 130 | 135 |
| 300 | 1424 | 1612 | | | 1156 | | | | 619 | 340 | 83.4 | 82.3 |
| 290 | 1423 | 1611 | 1547 | 1212 | 1134 | 1298 | 1217 | 1131 | 615 | 317 | 45.7 | 41.8 |
| 280 | 1398 | 1580 | 1533 | 1201 | 1085 | 1292 | 1212 | 1130 | 595 | 290 | 12.4 | 12.4 |
| 270 | 1332 | 1510 | 1486 | 1158 | 1007 | 1245 | 1172 | 1094 | 557 | 258 | | |
| 260 | 1225 | 1398 | 1406 | 1080 | 914 | 1150 | 1088 | 1000 | 502 | 222 | | |
| 250 | 1088 | 1248 | 1292 | 982 | 801 | 1024 | 977 | 862 | 433 | 184 | | |
| 240 | 933 | 1038 | 1130 | 856 | 679 | 869 | 832 | 676 | 355 | 144 | | |
| 230 | 763 | 822 | 925 | 710 | 566 | 679 | 660 | 397 | 264 | 92.4 | | |
| 220 | 605 | 632 | 730 | 570 | 471 | 517 | 454 | 125 | 156 | 52.5 | | |
| 210 | 476 | 484 | 572 | 457 | 395 | 387 | 285 | | 57.3 | 12.4 | | |
| 200 | 393 | 392 | 456 | 373 | 337 | 293 | 184 | | | | | |
| 190 | 341 | 339 | 376 | 314 | 289 | 236 | 126 | | | | | |
| 180 | 306 | 306 | 328 | 282 | 247 | 198 | 94.0 | | | | | |
| 170 | 279 | 280 | 295 | 249 | 210 | 168 | 75.4 | | | | | |
| 160 | 249 | 255 | 264 | 210 | 177 | 144 | 63.1 | | | | | |
| 150 | 212 | 226 | 236 | 174 | 154 | 124 | 55.4 | | | | | |
| 140 | 191 | 202 | 211 | 156 | 136 | 109 | 51.3 | | | | | |
| 130 | 155 | 175 | 185 | 148 | 125 | 96.9 | 48.8 | | | | | |
| 120 | 146 | 159 | 160 | 143 | 113 | 90.8 | 43.8 | | | | | |
| 110 | 80.9 | 81.1 | 124 | 94.7 | 48.8 | 32.9 | | | | | | |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 21 MAR 1962

| TIME | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q,KP | S2 | S2 | 3 | A3 | A3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| HMIN | 250 | 229 | 229 | 247 | 208 | 247 | 261 | 108 | 109 | 108 | 104 | 106 |
| SCAT | 39.4 | 30.5 | 34.4 | 40.3 | 40.3 | 45.4 | 45.2 | 33.6 | 33.8 | 42.8 | 51.8 | 54.8 |
| HMAXF | 340 | 298 | 300 | 318 | 283 | 343 | 347 | 248 | 245 | 276 | 289 | 304 |
| SHMAX | 189 | 157 | 152 | 129 | 100 | 105 | 102 | 223 | 413 | 681 | 1011 | 1293 |
| KM | | | | | | | | | | | | |
| 350 | | | | | | 170 | 174 | | | | | |
| 340 | 353 | | | | | 170 | 173 | | | | | |
| 330 | 347 | | | | | 167 | 168 | | | | | |
| 320 | 331 | | | 247 | | 160 | 159 | | | | | |
| 310 | 302 | | 326 | 245 | | 148 | 144 | | | | | 1360 |
| 300 | 262 | 374 | 326 | 235 | | 132 | 123 | | | | | 1352 |
| 290 | 211 | 369 | 319 | 217 | 195 | 112 | 98.3 | | | | 1168 | 1323 |
| 280 | 146 | 344 | 297 | 193 | 194 | 87.2 | 67.4 | | | 842 | 1160 | 1276 |
| 270 | 82.0 | 298 | 263 | 160 | 170 | 60.6 | 35.6 | | | 838 | 1130 | 1191 |
| 260 | 40.2 | 234 | 216 | 117 | 179 | 36.6 | | | | 814 | 1075 | 1099 |
| 250 | 3.1 | 155 | 154 | 61.0 | 162 | 16.0 | | 374 | 701 | 765 | 1004 | 992 |
| 240 | | 66.8 | 79.0 | | 137 | | | 369 | 697 | 696 | 909 | 867 |
| 230 | | 12.4 | 12.4 | | 101 | | | 346 | 666 | 606 | 784 | 740 |
| 220 | | | | | 60.0 | | | 308 | 605 | 513 | 641 | 625 |
| 210 | | | | | 17.2 | | | 259 | 504 | 434 | 517 | 523 |
| 200 | | | | | | | | 206 | 381 | 371 | 423 | 439 |
| 190 | | | | | | | | 150 | 286 | 321 | 355 | 374 |
| 180 | | | | | | | | 109 | 221 | 282 | 309 | 325 |
| 170 | | | | | | | | 81.0 | 178 | 246 | 276 | 289 |
| 160 | | | | | | | | 65.1 | 147 | 214 | 247 | 257 |
| 150 | | | | | | | | 58.3 | 124 | 183 | 220 | 228 |
| 140 | | | | | | | | 51.9 | 107 | 156 | 195 | 204 |
| 130 | | | | | | | | 46.6 | 94.8 | 133 | 170 | 168 |
| 120 | | | | | | | | 40.6 | 88.0 | 120 | 147 | 154 |
| 110 | | | | | | | | 17.8 | 36.6 | 63.3 | 119 | 113 |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 21 MAR 1962

| TIME | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q,KP | 3 | 3 | A3 | 3 | 3 | S4 | 4 | S4 | S1 | 1 | S1 | S1 |
| HMIN | 105 | 107 | | 108 | 107 | 108 | 109 | 214 | 200 | 240 | 248 | 259 |
| SCAT | 47.2 | 44.6 | | 38.6 | 41.3 | 40.2 | 37.2 | 38.9 | 41.5 | 40.7 | 45.2 | 43.3 |
| HMAXF | 309 | 295 | | 289 | 289 | 285 | 288 | 309 | 301 | 348 | 383 | 358 |
| SHMAX | 1431 | 1369 | | 1211 | 1016 | 901 | 690 | 453 | 358 | 311 | 340 | 311 |
| KM | | | | | | | | | | | | |
| 390 | | | | | | | | | | | 485 | |
| 380 | | | | | | | | | | | 484 | |
| 370 | | | | | | | | | | | 474 | |
| 360 | | | | | | | | | | | 453 | 536 |
| 350 | | | | | | | | | | 505 | 419 | 532 |
| 340 | | | | | | | | | | 501 | 376 | 514 |
| 330 | | | | | | | | | | 482 | 329 | 480 |
| 320 | | | | | | | | | | 446 | 274 | 435 |
| 310 | 1704 | | | | | | | 819 | 616 | 402 | 218 | 367 |
| 300 | 1687 | 1643 | | | | | | 809 | 616 | 350 | 163 | 279 |
| 290 | 1632 | 1638 | | 1760 | 1424 | 1298 | 1173 | 772 | 605 | 295 | 119 | 192 |
| 280 | 1535 | 1743 | | 1735 | 1406 | 1293 | 1159 | 707 | 576 | 229 | 61.9 | 108 |
| 270 | 1407 | 1700 | | 1653 | 1347 | 1252 | 1104 | 621 | 530 | 157 | 53.0 | 46.1 |
| 260 | 1230 | 1566 | | 1510 | 1247 | 1168 | 1005 | 513 | 468 | 82.8 | 32.2 | 12.4 |
| 250 | 1034 | 1356 | | 1313 | 1102 | 1050 | 877 | 387 | 389 | 40.0 | 12.4 | |
| 240 | 845 | 1115 | | 1064 | 926 | 903 | 715 | 250 | 298 | 3.9 | | |
| 230 | 681 | 868 | | 806 | 735 | 729 | 516 | 125 | 198 | | | |
| 220 | 550 | 639 | | 606 | 567 | 558 | 331 | 41.2 | 100 | | | |
| 210 | 454 | 484 | | 462 | 428 | 424 | 207 | | 42.2 | | | |
| 200 | 391 | 391 | | 377 | 335 | 327 | 139 | | 3.1 | | | |
| 190 | 348 | 337 | | 325 | 280 | 259 | 95.3 | | | | | |
| 180 | 318 | 302 | | 290 | 244 | 212 | 70.7 | | | | | |
| 170 | 291 | 279 | | 263 | 216 | 178 | 57.9 | | | | | |
| 160 | 264 | 263 | | 242 | 182 | 151 | 53.6 | | | | | |
| 150 | 236 | 237 | | 214 | 145 | 130 | 51.1 | | | | | |
| 140 | 202 | 196 | | 180 | 128 | 114 | 49.4 | | | | | |
| 130 | 176 | 174 | | 160 | 119 | 100 | 48.5 | | | | | |
| 120 | 167 | 165 | | 150 | 115 | 94.5 | 47.5 | | | | | |
| 110 | 128 | 65.2 | | 53.6 | 55.6 | 35.5 | 21.8 | | | | | |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 22 MAR 1962

| TIME | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q,KP | 1 | 1 | 1 | 1 | 1 | 0 | 0 | S0 | 0 | S0 | A0 | 0 |
| HMIN | 234 | 237 | 235 | 221 | 211 | 219 | 262 | 118 | 102 | 108 | 103 | 107 |
| SCAT | 30.0 | 39.3 | 31.1 | 32.3 | 39.3 | 68.5 | 50.0 | 37.5 | 28.7 | 40.0 | 35.3 | 37.3 |
| HMAXF | 304 | 319 | 301 | 298 | 294 | 353 | 360 | 273 | 242 | 272 | 268 | 280 |
| SHMAX | 235 | 248 | 167 | 149 | 124 | 170 | 122 | 302 | 375 | 645 | 849 | 953 |
| KM | | | | | | | | | | | | |
| 360 | | | | | | 188 | 187 | | | | | |
| 350 | | | | | | 188 | 185 | | | | | |
| 340 | | | | | | 186 | 180 | | | | | |
| 330 | | | | | | 182 | 170 | | | | | |
| 320 | | | 491 | | | 177 | 157 | | | | | |
| 310 | 594 | 485 | 407 | | | 169 | 139 | | | | | |
| 300 | 590 | 464 | 407 | 326 | 232 | 159 | 115 | | | | | |
| 290 | 559 | 428 | 394 | 321 | 231 | 148 | 87.8 | | | | | 1298 |
| 280 | 495 | 369 | 360 | 300 | 225 | 134 | 59.9 | 489 | | 838 | | 1296 |
| 270 | 390 | 281 | 307 | 264 | 210 | 118 | 33.8 | 489 | | 838 | 1275 | 1274 |
| 260 | 238 | 177 | 224 | 217 | 189 | 99.1 | | 475 | | 819 | 1259 | 1202 |
| 250 | 91.7 | 74.4 | 113 | 153 | 159 | 79.0 | | 444 | 681 | 773 | 1193 | 1084 |
| 240 | 32.9 | 21.7 | 31.8 | 81.2 | 122 | 56.5 | | 396 | 631 | 702 | 1075 | 939 |
| 230 | | | | 38.1 | 77.0 | 32.4 | | 326 | 653 | 614 | 918 | 770 |
| 220 | | | | | 37.2 | 4.7 | | 247 | 584 | 519 | 727 | 615 |
| 210 | | | | | | | | 179 | 482 | 434 | 550 | 493 |
| 200 | | | | | | | | 130 | 365 | 366 | 427 | 406 |
| 190 | | | | | | | | 96.3 | 271 | 312 | 355 | 351 |
| 180 | | | | | | | | 74.8 | 204 | 269 | 306 | 315 |
| 170 | | | | | | | | 62.7 | 161 | 233 | 271 | 284 |
| 160 | | | | | | | | 56.8 | 131 | 201 | 243 | 263 |
| 150 | | | | | | | | 54.3 | 110 | 171 | 217 | 236 |
| 140 | | | | | | | | 46.6 | 96.7 | 143 | 191 | 207 |
| 130 | | | | | | | | 38.5 | 85.7 | 122 | 162 | 174 |
| 120 | | | | | | | | 28.2 | 80.0 | 114 | 141 | 153 |
| 110 | | | | | | | | | 68.1 | 54.4 | 106 | 93.5 |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 22 MAR 1962

| TIME | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q,KP | 0 | 0 | 1 | 1 | 1 | 3 | A3 | 3 | 1 | 1 | 1 | 0 |
| HMIN | 108 | 107 | 108 | 106 | 109 | 106 | | 227 | 218 | 238 | 269 | 268 |
| SCAT | 51.0 | 47.6 | 43.0 | 43.8 | 41.6 | 45.5 | | 35.6 | 33.3 | 46.1 | 43.3 | 28.0 |
| HMAXF | 287 | 294 | 301 | 290 | 277 | 274 | | 312 | 308 | 352 | 381 | 336 |
| SHMAX | 1071 | 1138 | 1216 | 1056 | 880 | 702 | | 369 | 278 | 378 | 352 | 242 |
| KM | | | | | | | | | | | | |
| 390 | | | | | | | | | | | 567 | |
| 380 | | | | | | | | | | | 567 | |
| 370 | | | | | | | | | | | 558 | |
| 360 | | | | | | | | | | 577 | 533 | |
| 350 | | | | | | | | | | 577 | 495 | |
| 340 | | | | | | | | | | 567 | 437 | 616 |
| 330 | | | | | | | | | | 543 | 367 | 609 |
| 320 | | | | | | | | | 747 | | 504 | 292 | 563 |
| 310 | | | 1477 | | | | | | 746 | 610 | 454 | 218 | 485 |
| 300 | | 1341 | 1477 | 1360 | | | | | 725 | 602 | 394 | 145 | 373 |
| 290 | 1275 | 1338 | 1458 | 1360 | | | | | 672 | 565 | 326 | 82.3 | 230 |
| 280 | 1270 | 1311 | 1409 | 1340 | 1240 | 967 | | | 593 | 505 | 250 | 41.8 | 85.2 |
| 270 | 1241 | 1254 | 1324 | 1285 | 1231 | 965 | | | 488 | 422 | 165 | 12.4 | 20.5 |
| 260 | 1189 | 1165 | 1216 | 1195 | 1187 | 944 | | | 350 | 327 | 87.8 | | |
| 250 | 1111 | 1050 | 1065 | 1066 | 1103 | 900 | | | 203 | 219 | 45.4 | | |
| 240 | 1010 | 897 | 885 | 909 | 995 | 833 | | | 86.6 | 116 | 16.5 | | |
| 230 | 874 | 744 | 702 | 746 | 846 | 736 | | | 25.1 | 54.4 | | | |
| 220 | 703 | 614 | 543 | 591 | 660 | 615 | | | | 16.8 | | | |
| 210 | 555 | 504 | 435 | 467 | 498 | 483 | | | | | | | |
| 200 | 436 | 422 | 364 | 381 | 380 | 356 | | | | | | | |
| 190 | 365 | 368 | 321 | 325 | 307 | 267 | | | | | | | |
| 180 | 323 | 329 | 292 | 287 | 260 | 213 | | | | | | | |
| 170 | 297 | 302 | 265 | 258 | 229 | 178 | | | | | | | |
| 160 | 274 | 277 | 238 | 231 | 204 | 149 | | | | | | | |
| 150 | 248 | 252 | 207 | 200 | 180 | 128 | | | | | | | |
| 140 | 210 | 224 | 176 | 164 | 155 | 112 | | | | | | | |
| 130 | 176 | 185 | 162 | 149 | 137 | 100 | | | | | | | |
| 120 | 160 | 162 | 154 | 143 | 125 | 94.9 | | | | | | | |
| 110 | 112 | 118 | 40.4 | 101 | 39.4 | 52.6 | | | | | | |

ELECTRON DENSITY

RAMEY AF8, PUERTO RICO 60 W 23 MAR 1962

| TIME | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q,KP | 0 | 0 | 1 | 1 | 1 | 3 | 3 | 3 | 2 | 2 | 2 | 1 |
| HMIN | 231 | 209 | 220 | 209 | 208 | 267 | 286 | 110 | 109 | 109 | 109 | 108 |
| SCAT | 29.8 | 25.5 | 34.1 | 34.9 | 47.2 | 41.4 | 49.3 | 37.3 | 40.9 | 50.8 | 34.9 | 45.4 |
| HMAXF | 303 | 271 | 286 | 277 | 312 | 354 | 378 | 266 | 259 | 287 | 287 | 301 |
| SHMAX | 279 | 169 | 159 | 86 | 86 | 74 | 76 | 269 | 477 | 802 | 982 | 1307 |
| KM | | | | | | | | | | | | |
| 380 | | | | | | | 122 | | | | | |
| 370 | | | | | | | 121 | | | | | |
| 360 | | | | | | 128 | 118 | | | | | |
| 350 | | | | | | 128 | 112 | | | | | |
| 340 | | | | | | 124 | 104 | | | | | |
| 330 | | | | | | 117 | 91.0 | | | | | |
| 320 | | | | | 129 | 106 | 75.2 | | | | | |
| 310 | 681 | | | | 129 | 91.9 | 57.4 | | | | | 1696 |
| 300 | 680 | | | | 126 | 75.0 | 36.7 | | | | | 1696 |
| 290 | 651 | | 371 | | 121 | 56.0 | 18.4 | | | 936 | 1398 | 1672 |
| 280 | 583 | 482 | 368 | 195 | 113 | 36.0 | | | | 932 | 1384 | 1607 |
| 270 | 481 | 482 | 351 | 193 | 103 | 16.2 | | 390 | | 909 | 1315 | 1502 |
| 260 | 342 | 461 | 317 | 184 | 90.3 | | | 387 | 710 | 869 | 1189 | 1348 |
| 250 | 157 | 403 | 259 | 166 | 75.9 | | | 371 | 702 | 808 | 1032 | 1138 |
| 240 | 54.9 | 308 | 183 | 137 | 59.8 | | | 341 | 673 | 733 | 849 | 907 |
| 230 | | 167 | 60.2 | 95.8 | 42.5 | | | 300 | 624 | 642 | 671 | 680 |
| 220 | | 64.7 | 1.7 | 45.5 | 26.9 | | | 255 | 543 | 547 | 531 | 517 |
| 210 | | 12.4 | | 12.4 | 7.9 | | | 210 | 433 | 451 | 429 | 415 |
| 200 | | | | | | | | 166 | 329 | 372 | 364 | 357 |
| 190 | | | | | | | | 130 | 256 | 309 | 320 | 321 |
| 180 | | | | | | | | 103 | 203 | 261 | 287 | 296 |
| 170 | | | | | | | | 83.5 | 165 | 220 | 255 | 276 |
| 160 | | | | | | | | 70.6 | 136 | 184 | 222 | 254 |
| 150 | | | | | | | | 62.6 | 118 | 152 | 196 | 226 |
| 140 | | | | | | | | 57.6 | 103 | 134 | 174 | 193 |
| 130 | | | | | | | | 46.5 | 96.9 | 124 | 145 | 164 |
| 120 | | | | | | | | 38.8 | 88.0 | 119 | 132 | 150 |
| 110 | | | | | | | | 1.7 | 33.0 | 41.8 | 41.8 | 73.8 |

ELECTRON DENSITY

RAMEY AF8, PUERTO RICO 60 W 23 MAR 1962

| TIME | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q,KP | A1 | 81 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 1 |
| HMIN | | 111 | 108 | 109 | 110 | 111 | 109 | 224 | 211 | 220 | 251 | 287 |
| SCAT | | 39.3 | 43.8 | 36.3 | 39.0 | 45.1 | 37.8 | 39.1 | 37.9 | 38.6 | 48.6 | 41.3 |
| HMAXF | | 279 | 297 | 285 | 276 | 294 | 283 | 306 | 306 | 317 | 362 | 387 |
| SHMAX | | 1093 | 1195 | 979 | 857 | 885 | 638 | 476 | 342 | 279 | 307 | 296 |
| KM | | | | | | | | | | | | |
| 390 | | | | | | | | | | | | 494 |
| 380 | | | | | | | | | | | | 490 |
| 370 | | | | | | | | | | | 463 | 472 |
| 360 | | | | | | | | | | | 463 | 436 |
| 350 | | | | | | | | | | | 456 | 395 |
| 340 | | | | | | | | | | | 439 | 345 |
| 330 | | | | | | | | | | | 410 | 284 |
| 320 | | | | | | | | | | 494 | 375 | 213 |
| 310 | | | | | | | | 932 | 651 | 490 | 325 | 144 |
| 300 | | | 1464 | | | 1163 | | 927 | 646 | 470 | 269 | 66.5 |
| 290 | | | 1455 | 1372 | | 1161 | 1031 | 893 | 621 | 432 | 208 | 24.6 |
| 280 | | 1561 | 1410 | 1365 | 1173 | 1136 | 1029 | 828 | 571 | 382 | 140 | |
| 270 | | 1540 | 1321 | 1311 | 1167 | 1083 | 999 | 730 | 507 | 322 | 78.0 | |
| 260 | | 1468 | 1207 | 1202 | 1126 | 1000 | 929 | 596 | 424 | 257 | 37.2 | |
| 250 | | 1345 | 1063 | 1064 | 1043 | 889 | 832 | 424 | 317 | 186 | | |
| 240 | | 1175 | 892 | 891 | 935 | 757 | 708 | 219 | 206 | 106 | | |
| 230 | | 961 | 735 | 720 | 810 | 612 | 563 | 59.7 | 106 | 44.4 | | |
| 220 | | 743 | 598 | 570 | 677 | 485 | 411 | | 42.7 | 3.1 | | |
| 210 | | 571 | 493 | 451 | 548 | 377 | 281 | | | | | |
| 200 | | 444 | 416 | 371 | 437 | 299 | 189 | | | | | |
| 190 | | 362 | 362 | 321 | 352 | 247 | 132 | | | | | |
| 180 | | 318 | 324 | 287 | 291 | 208 | 99.3 | | | | | |
| 170 | | 289 | 293 | 258 | 248 | 176 | 78.9 | | | | | |
| 160 | | 266 | 263 | 230 | 214 | 149 | 65.2 | | | | | |
| 150 | | 240 | 234 | 202 | 183 | 126 | 57.8 | | | | | |
| 140 | | 209 | 206 | 172 | 155 | 109 | 52.9 | | | | | |
| 130 | | 176 | 181 | 151 | 136 | 99.1 | 49.6 | | | | | |
| 120 | | 157 | 161 | 144 | 127 | 93.5 | 47.8 | | | | | |
| 110 | | | 81.8 | 38.1 | 12.4 | | 21.8 | | | | | |

ELECTRON DENSITY

RAMEY AF8, PUERTO RICO 60 W 24 MAR 1962

| TIME | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q,KP | 1 | 1 | A1 | A1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| HMIN | 268 | 247 | 209 | 183 | 219 | 267 | 267 | 110 | 108 | 108 | 102 | 108 |
| SCAT | 37.3 | 32.3 | 28.4 | 50.0 | 68.8 | 57.1 | 41.3 | 39.0 | 27.1 | 45.1 | 44.8 | 37.9 |
| HMAXF | 363 | 317 | 266 | 247 | 353 | 376 | 359 | 258 | 247 | 267 | 289 | 282 |
| SHMAX | 245 | 193 | 176 | 88 | 76 | 69 | 57 | 276 | 421 | 695 | 1002 | 1054 |
| KM | | | | | | | | | | | | |
| 380 | | | | | | 92.3 | | | | | | |
| 370 | 450 | | | | | 92.1 | | | | | | |
| 360 | 450 | | | | 81.9 | 90.6 | 95.8 | | | | | |
| 350 | 437 | | | | 81.9 | 87.7 | 94.7 | | | | | |
| 340 | 408 | | | | 81.2 | 83.0 | 90.7 | | | | | |
| 330 | 364 | | | | 79.7 | 77.6 | 83.7 | | | | | |
| 320 | 309 | 448 | | | 77.3 | 70.3 | 74.4 | | | | | |
| 310 | 246 | 443 | | | 73.5 | 60.9 | 61.9 | | | | | |
| 300 | 176 | 418 | | | 69.6 | 50.4 | 49.1 | | | | | |
| 290 | 103 | 371 | | | 64.9 | 39.3 | 37.3 | | | | 1229 | 1491 |
| 280 | 47.2 | 301 | | | 59.4 | 26.9 | 25.8 | | | | 1217 | 1490 |
| 270 | 16.5 | 202 | 517 | | 52.6 | 12.4 | 12.4 | | | 928 | 1176 | 1455 |
| 260 | | 98.0 | 511 | | 45.2 | | | 422 | | 922 | 1101 | 1366 |
| 250 | | 25.5 | 474 | 178 | 37.1 | | | 417 | 747 | 895 | 1002 | 1229 |
| 240 | | | 399 | 177 | 28.9 | | | 399 | 735 | 844 | 866 | 1036 |
| 230 | | | 226 | 172 | 20.6 | | | 366 | 673 | 770 | 725 | 835 |
| 220 | | | 81.5 | 165 | 3.3 | | | 319 | 571 | 664 | 598 | 647 |
| 210 | | | 12.4 | 154 | | | | 255 | 452 | 531 | 486 | 504 |
| 200 | | | | 127 | | | | 198 | 352 | 421 | 406 | 409 |
| 190 | | | | 50.5 | | | | 154 | 277 | 339 | 349 | 352 |
| 180 | | | | | | | | 120 | 222 | 283 | 311 | 315 |
| 170 | | | | | | | | 94.6 | 181 | 239 | 279 | 288 |
| 160 | | | | | | | | 77.1 | 149 | 202 | 247 | 262 |
| 150 | | | | | | | | 66.0 | 125 | 172 | 215 | 234 |
| 140 | | | | | | | | 59.8 | 108 | 151 | 184 | 202 |
| 130 | | | | | | | | 46.5 | 96.9 | 135 | 162 | 172 |
| 120 | | | | | | | | 40.5 | 90.8 | 126 | 152 | 159 |
| 110 | | | | | | | | .4 | 49.1 | 90.1 | 122 | 81.2 |

ELECTRON DENSITY

RAMEY AF8, PUERTO RICO 60 W 24 MAR 1962

| TIME | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q,KP | 2 | 2 | 1 | 1 | 1 | A1 | A1 | 1 | A2 | 2 | 2 | 3 |
| HMIN | 109 | 110 | 108 | 108 | 108 | 109 | 103 | 200 | 203 | 218 | 240 | 278 |
| SCAT | 40.7 | 39.7 | 46.9 | 45.5 | 35.8 | 42.8 | 36.0 | 47.2 | 44.3 | 48.4 | 50.9 | 31.5 |
| HMAXF | 295 | 305 | 318 | 313 | 292 | 288 | 264 | 305 | 309 | 336 | 359 | 366 |
| SHMAX | 1190 | 1253 | 1471 | 1485 | 1226 | 1220 | 755 | 589 | 416 | 303 | 272 | 173 |
| KM | | | | | | | | | | | | |
| 370 | | | | | | | | | | | | 348 |
| 360 | | | | | | | | | | | 383 | 340 |
| 350 | | | | | | | | | | | 380 | 315 |
| 340 | | | | | | | | | | 430 | 370 | 280 |
| 330 | | | | | | | | | | 428 | 351 | 233 |
| 320 | | | 1776 | 1860 | | | | | | 416 | 328 | 184 |
| 310 | | 1635 | 1762 | 1858 | | | | 923 | 681 | 399 | 298 | 133 |
| 300 | 1561 | 1628 | 1709 | 1822 | 1877 | | | 921 | 674 | 370 | 257 | 82.7 |
| 290 | 1557 | 1576 | 1618 | 1742 | 1875 | 1877 | | 900 | 649 | 335 | 213 | 43.8 |
| 280 | 1513 | 1464 | 1482 | 1614 | 1820 | 1859 | | 856 | 605 | 294 | 162 | 16.5 |
| 270 | 1423 | 1319 | 1310 | 1443 | 1687 | 1791 | 1360 | 795 | 547 | 245 | 111 | |
| 260 | 1285 | 1132 | 1107 | 1230 | 1436 | 1667 | 1355 | 715 | 470 | 196 | 67.2 | |
| 250 | 1108 | 933 | 896 | 1003 | 1235 | 1504 | 1307 | 611 | 369 | 147 | 34.3 | |
| 240 | 909 | 756 | 702 | 791 | 973 | 1271 | 1203 | 483 | 262 | 93.5 | | |
| 230 | 726 | 606 | 552 | 616 | 746 | 964 | 1048 | 333 | 166 | 47.7 | | |
| 220 | 578 | 489 | 452 | 488 | 552 | 650 | 830 | 183 | 83.3 | 16.8 | | |
| 210 | 467 | 406 | 390 | 403 | 414 | 409 | 589 | 81.5 | 34.8 | | | |
| 200 | 396 | 354 | 348 | 350 | 334 | 293 | 369 | 12.4 | | | | |
| 190 | 350 | 318 | 317 | 314 | 285 | 235 | 233 | | | | | |
| 180 | 318 | 291 | 290 | 287 | 251 | 199 | 159 | | | | | |
| 170 | 293 | 266 | 261 | 264 | 224 | 168 | 123 | | | | | |
| 160 | 267 | 236 | 227 | 241 | 200 | 141 | 101 | | | | | |
| 150 | 238 | 207 | 191 | 213 | 177 | 119 | 86.2 | | | | | |
| 140 | 204 | 186 | 173 | 182 | 154 | 104 | 75.0 | | | | | |
| 130 | 181 | 171 | 163 | 162 | 136 | 93.3 | 66.5 | | | | | |
| 120 | 167 | 164 | 157 | 152 | 127 | 87.4 | 61.9 | | | | | |
| 110 | 33.2 | 12.4 | 49.1 | 81.6 | 73.8 | 30.3 | 59.4 | | | | | |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO — 60 W — 25 MAR 1962

| TIME | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q,KP | 3 | 3 | 3 | 3 | A3 | 2 | 2 | 2 | 3 | 3 | 3 | 1 |
| HMIN | 284 | 270 | 249 | 204 | 198 | 247 | 292 | 104 | 102 | 102 | 107 | 103 |
| SCAL | 42.5 | 30.6 | 30.3 | 28.6 | 48.7 | 40.4 | 47.8 | 40.5 | 40.4 | 41.4 | 44.7 | 40.7 |
| HMAXF | 393 | 342 | 314 | 263 | 294 | 335 | 384 | 268 | 264 | 269 | 282 | 281 |
| SHMAX | 208 | 157 | 164 | 125 | 80 | 68 | 71 | 290 | 529 | 757 | 1053 | 1163 |
| KM | | | | | | | | | | | | |
| 400 | 337 | | | | | | | | | | | |
| 390 | 337 | | | | | | 113 | | | | | |
| 380 | 329 | | | | | | 113 | | | | | |
| 370 | 313 | | | | | | 111 | | | | | |
| 360 | 287 | | | | | | 106 | | | | | |
| 350 | 250 | 354 | | | | | 98.8 | | | | | |
| 340 | 208 | 354 | | | | 116 | 87.9 | | | | | |
| 330 | 167 | 340 | | | | 116 | 74.4 | | | | | |
| 320 | 124 | 307 | 390 | | | 112 | 57.3 | | | | | |
| 310 | 77.8 | 257 | 388 | | | 104 | 40.1 | | | | | |
| 300 | 44.8 | 199 | 368 | | 124 | 94.5 | 23.8 | | | | | |
| 290 | 22.8 | 136 | 327 | | 124 | 82.1 | | | | | 1411 | 1635 |
| 280 | | 82.9 | 267 | | 122 | 67.8 | | | | | 1410 | 1634 |
| 270 | | .4 | 196 | 340 | 117 | 51.7 | | 409 | 744 | 1022 | 1387 | 1606 |
| 260 | | | 99.4 | 339 | 109 | 33.9 | | 404 | 742 | 1011 | 1328 | 1526 |
| 250 | | | 22.0 | 322 | 99.2 | 15.8 | | 388 | 721 | 970 | 1240 | 1402 |
| 240 | | | | 284 | 86.2 | | | 359 | 676 | 900 | 1081 | 1219 |
| 230 | | | | 216 | 68.0 | | | 318 | 610 | 798 | 876 | 992 |
| 220 | | | | 121 | 49.3 | | | 271 | 521 | 666 | 675 | 749 |
| 210 | | | | 36.6 | 31.0 | | | 220 | 421 | 536 | 524 | 561 |
| 200 | | | | | 12.4 | | | 174 | 335 | 427 | 423 | 434 |
| 190 | | | | | | | | 137 | 267 | 343 | 358 | 364 |
| 180 | | | | | | | | 106 | 218 | 297 | 315 | 324 |
| 170 | | | | | | | | 82.6 | 180 | 261 | 284 | 298 |
| 160 | | | | | | | | 68.5 | 151 | 228 | 255 | 272 |
| 150 | | | | | | | | 61.1 | 130 | 196 | 225 | 243 |
| 140 | | | | | | | | 58.0 | 115 | 167 | 199 | 211 |
| 130 | | | | | | | | 52.7 | 102 | 144 | 176 | 186 |
| 120 | | | | | | | | 43.1 | 95.6 | 134 | 161 | 170 |
| 110 | | | | | | | | 27.3 | 60.8 | 112 | 125 | 140 |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO — 60 W — 25 MAR 1962

| TIME | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q,KP | 1 | A1 | 1 | 1 | 1 | A1 | A1 | 1 | A3 | A3 | A3 | 2 |
| HMIN | 191 | | 108 | 108 | 110 | | | 209 | 218 | 229 | | 278 |
| SCAL | 42.7 | | 50.0 | 42.6 | 42.3 | | | 43.6 | 37.7 | 48.9 | | 34.2 |
| HMAXF | 279 | | 312 | 295 | 290 | | | 302 | 314 | 340 | | 372 |
| SHMAX | 1124 | | 1281 | 1156 | 1057 | | | 421 | 319 | 363 | | 235 |
| KM | | | | | | | | | | | | |
| 380 | | | | | | | | | | | | 450 |
| 370 | | | | | | | | | | | | 450 |
| 360 | | | | | | | | | | | | 437 |
| 350 | | | | | | | | | | 556 | | 403 |
| 340 | | | | | | | | | | 556 | | 356 |
| 330 | | | | | | | | | | 551 | | 301 |
| 320 | | | | | | | | | 534 | 533 | | 240 |
| 310 | | | 1410 | | | | | 714 | 542 | 503 | | 161 |
| 300 | | | 1389 | 1491 | 1491 | | | 713 | 572 | 463 | | 92.2 |
| 290 | | | 1340 | 1486 | 1491 | | | 700 | 530 | 404 | | 45.1 |
| 280 | 1491 | | 1265 | 1447 | 1469 | | | 667 | 472 | 335 | | 16.5 |
| 270 | 1474 | | 1156 | 1359 | 1405 | | | 615 | 399 | 256 | | |
| 260 | 1417 | | 1021 | 1243 | 1297 | | | 550 | 303 | 166 | | |
| 250 | 1315 | | 872 | 1098 | 1152 | | | 471 | 191 | 87.4 | | |
| 240 | 1182 | | 718 | 919 | 958 | | | 366 | 105 | 43.0 | | |
| 230 | 1004 | | 594 | 745 | 724 | | | 237 | 51.0 | 12.4 | | |
| 220 | 808 | | 500 | 597 | 540 | | | 87.6 | 16.8 | | | |
| 210 | 631 | | 434 | 473 | 415 | | | 12.4 | | | | |
| 200 | 486 | | 385 | 386 | 333 | | | | | | | |
| 190 | 394 | | 343 | 325 | 280 | | | | | | | |
| 180 | 342 | | 320 | 285 | 243 | | | | | | | |
| 170 | 309 | | 295 | 255 | 211 | | | | | | | |
| 160 | 284 | | 271 | 231 | 183 | | | | | | | |
| 150 | 252 | | 243 | 210 | 159 | | | | | | | |
| 140 | 220 | | 208 | 185 | 141 | | | | | | | |
| 130 | 192 | | 178 | 158 | 129 | | | | | | | |
| 120 | 168 | | 154 | 144 | 119 | | | | | | | |
| 110 | 157 | | 105 | 95.1 | 12.4 | | | | | | | |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO — 60 W — 26 MAR 1962

| TIME | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q,KP | 2 | 2 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| HMIN | 278 | 264 | 227 | 207 | 202 | 217 | 266 | 119 | 107 | 108 | 112 | 101 |
| SCAL | 36.3 | 36.7 | 30.4 | 28.2 | 37.3 | 43.9 | 44.1 | 36.7 | 42.6 | 53.1 | 50.4 | 36.3 |
| HMAXF | 373 | 352 | 302 | 268 | 273 | 302 | 353 | 262 | 256 | 283 | 311 | 296 |
| SHMAX | 261 | 229 | 207 | 140 | 93 | 64 | 64 | 238 | 411 | 665 | 1085 | 1205 |
| KM | | | | | | | | | | | | |
| 380 | 491 | | | | | | | | | | | |
| 370 | 490 | | | | | | | | | | | |
| 360 | 475 | 448 | | | | | 108 | | | | | |
| 350 | 440 | 448 | | | | | 108 | | | | | |
| 340 | 391 | 436 | | | | | 106 | | | | | |
| 330 | 324 | 406 | | | | | 100 | | | | | |
| 320 | 253 | 362 | | | | | 92.4 | | | | 1173 | |
| 310 | 179 | 300 | 494 | | | 111 | 81.7 | | | | 1173 | |
| 300 | 92.7 | 228 | 493 | | | 110 | 68.1 | | | | 1158 | 1635 |
| 290 | 46.5 | 141 | 476 | | | 108 | 51.7 | | | 747 | 1120 | 1624 |
| 280 | 16.5 | 70.7 | 431 | | 196 | 103 | 34.6 | | | 747 | 1057 | 1560 |
| 270 | | 29.5 | 355 | 371 | 195 | 95.5 | 17.8 | 387 | | 736 | 976 | 1442 |
| 260 | | | 253 | 364 | 189 | 84.4 | | 386 | 562 | 713 | 874 | 1267 |
| 250 | | | 149 | 334 | 176 | 70.1 | | 377 | 559 | 675 | 758 | 1055 |
| 240 | | | 62.4 | 284 | 156 | 51.6 | | 352 | 542 | 626 | 644 | 853 |
| 230 | | | 21.6 | 205 | 123 | 33.4 | | 313 | 509 | 556 | 546 | 666 |
| 220 | | | | 95.1 | 83.1 | 15.8 | | 257 | 462 | 472 | 463 | 511 |
| 210 | | | | 25.1 | 38.8 | | | 195 | 401 | 395 | 398 | 418 |
| 200 | | | | | | | | 145 | 332 | 334 | 352 | 363 |
| 190 | | | | | | | | 108 | 267 | 280 | 317 | 326 |
| 180 | | | | | | | | 80.6 | 216 | 255 | 287 | 301 |
| 170 | | | | | | | | 65.2 | 175 | 222 | 258 | 280 |
| 160 | | | | | | | | 56.6 | 144 | 191 | 230 | 258 |
| 150 | | | | | | | | 53.5 | 121 | 162 | 199 | 234 |
| 140 | | | | | | | | 51.7 | 106 | 139 | 172 | 204 |
| 130 | | | | | | | | 44.8 | 98.1 | 126 | 153 | 178 |
| 120 | | | | | | | | 21.8 | 94.2 | 120 | 140 | 162 |
| 110 | | | | | | | | | 42.2 | 79.5 | | 128 |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO — 60 W — 26 MAR 1962

| TIME | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q,KP | 0 | 0 | 0 | 0 | A0 | A0 | A0 | 0 | 1 | 1 | 1 | 1 |
| HMIN | 111 | 112 | 111 | 111 | 110 | | | 202 | 228 | 220 | 259 | 281 |
| SCAL | 44.5 | 45.1 | 45.9 | 38.4 | 39.4 | | | 46.5 | 51.2 | 46.8 | 40.2 | 39.3 |
| HMAXF | 300 | 299 | 311 | 291 | 286 | | | 303 | 346 | 344 | 359 | 368 |
| SHMAX | 1396 | 1327 | 1349 | 1179 | 1079 | | | 533 | 469 | 441 | 328 | 327 |
| KM | | | | | | | | | | | | |
| 370 | | | | | | | | | | | | 616 |
| 360 | | | | | | | | | | | 588 | 609 |
| 350 | | | | | | | | | 707 | 642 | 580 | 582 |
| 340 | | | | | | | | | 704 | 641 | 554 | 535 |
| 330 | | | | | | | | | 689 | 628 | 511 | 470 |
| 320 | | | 1635 | | | | | | 660 | 600 | 443 | 383 |
| 310 | | | 1634 | | | | | 858 | 615 | 557 | 355 | 275 |
| 300 | 1851 | 1688 | 1611 | 1760 | | | | 857 | 560 | 504 | 261 | 149 |
| 290 | 1830 | 1672 | 1548 | 1759 | 1533 | | | 841 | 488 | 440 | 174 | 50.4 |
| 280 | 1761 | 1614 | 1444 | 1721 | 1522 | | | 805 | 394 | 365 | 98.2 | |
| 270 | 1646 | 1515 | 1309 | 1624 | 1466 | | | 748 | 291 | 284 | 44.0 | |
| 260 | 1485 | 1374 | 1140 | 1463 | 1354 | | | 672 | 201 | 206 | 12.4 | |
| 250 | 1253 | 1206 | 950 | 1222 | 1218 | | | 580 | 121 | 136 | | |
| 240 | 986 | 1020 | 771 | 957 | 1043 | | | 460 | 58.5 | 77.4 | | |
| 230 | 755 | 813 | 615 | 723 | 832 | | | 314 | 17.2 | 38.6 | | |
| 220 | 578 | 632 | 491 | 537 | 637 | | | 154 | | 3.7 | | |
| 210 | 461 | 489 | 405 | 408 | 486 | | | 49.0 | | | | |
| 200 | 387 | 394 | 354 | 340 | 373 | | | | | | | |
| 190 | 340 | 340 | 322 | 299 | 304 | | | | | | | |
| 180 | 308 | 307 | 299 | 271 | 262 | | | | | | | |
| 170 | 280 | 280 | 275 | 241 | 231 | | | | | | | |
| 160 | 255 | 249 | 244 | 210 | 204 | | | | | | | |
| 150 | 232 | 214 | 208 | 185 | 178 | | | | | | | |
| 140 | 204 | 188 | 184 | 167 | 157 | | | | | | | |
| 130 | 180 | 175 | 170 | 155 | 141 | | | | | | | |
| 120 | 164 | 140 | 151 | 145 | 133 | | | | | | | |
| 110 | | | | 12.4 | | | | | | | | |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 27 MAR 1962

| TIME | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q,KP | 1 | 1 | 1 | S1 | 1 | 1 | 1 | 1 | 1 | 1 | A1 | 1 |
| HMIN | 260 | 234 | 228 | 199 | 210 | 238 | 268 | 116 | 109 | 110 | 113 | 107 |
| SCAT | 44.8 | 35.7 | 36.3 | 26.9 | 35.9 | 41.8 | 31.5 | 43.1 | 42.9 | 47.4 | 46.6 | 40.1 |
| HMAXF | 353 | 305 | 300 | 251 | 278 | 327 | 339 | 258 | 256 | 281 | 294 | 300 |
| SHMAX | 322 | 250 | 253 | 121 | 93 | 84 | 59 | 260 | 441 | 689 | 951 | 1046 |
| KM | | | | | | | | | | | | |
| 360 | 556 | | | | | | | | | | | |
| 350 | 556 | | | | | | | | | | | |
| 340 | 545 | | | | | | 130 | | | | | |
| 330 | 519 | | | | | 146 | 127 | | | | | |
| 320 | 481 | | | | | 145 | 117 | | | | | |
| 310 | 423 | 567 | | | | 139 | 102 | | | | | |
| 300 | 349 | 564 | 564 | | | 130 | 82.0 | | | | 1131 | 1298 |
| 290 | 253 | 543 | 554 | | | 116 | 59.4 | | | 819 | 1129 | 1280 |
| 280 | 143 | 499 | 523 | | 205 | 98.2 | 36.5 | | | 819 | 1107 | 1221 |
| 270 | 50.9 | 427 | 469 | | 203 | 77.5 | 12.4 | | | 808 | 1058 | 1120 |
| 260 | 1.7 | 310 | 375 | 363 | 192 | 56.0 | | 401 | 613 | 779 | 985 | 999 |
| 250 | | 138 | 240 | 362 | 174 | 34.4 | | 398 | 610 | 731 | 884 | 864 |
| 240 | | 37.8 | 89.0 | 346 | 144 | 12.4 | | 385 | 591 | 666 | 771 | 726 |
| 230 | | | 20.6 | 304 | 104 | | | 361 | 555 | 580 | 646 | 596 |
| 220 | | | | 219 | 55.2 | | | 323 | 503 | 491 | 531 | 485 |
| 210 | | | | 93.5 | 1.7 | | | 264 | 433 | 412 | 433 | 406 |
| 200 | | | | 12.4 | | | | 198 | 355 | 349 | 364 | 353 |
| 190 | | | | | | | | 144 | 283 | 303 | 318 | 314 |
| 180 | | | | | | | | 105 | 226 | 263 | 284 | 287 |
| 170 | | | | | | | | 78.3 | 183 | 227 | 256 | 261 |
| 160 | | | | | | | | 65.3 | 150 | 197 | 229 | 233 |
| 150 | | | | | | | | 56.5 | 129 | 170 | 204 | 205 |
| 140 | | | | | | | | 48.7 | 109 | 145 | 179 | 173 |
| 130 | | | | | | | | 45.2 | 92.0 | 125 | 156 | 156 |
| 120 | | | | | | | | 27.8 | 83.0 | 119 | 144 | 149 |
| 110 | | | | | | | | | 25.1 | 19.7 | | 39.4 |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 27 MAR 1962

| TIME | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q,KP | 1 | A1 | 1 | 1 | A1 | A0 | A0 | 0 | S0 | 0 | 0 | 0 |
| HMIN | 102 | | 110 | 101 | | | | 210 | 211 | 220 | 237 | 291 |
| SCAT | 46.8 | | 41.1 | 43.5 | | | | 40.4 | 43.4 | 41.0 | 44.4 | 34.6 |
| HMAXF | 308 | | 300 | 305 | | | | 291 | 310 | 325 | 356 | 370 |
| SHMAX | 1324 | | 1270 | 1245 | | | | 633 | 470 | 363 | 334 | 216 |
| KM | | | | | | | | | | | | |
| 380 | | | | | | | | | | | | 440 |
| 370 | | | | | | | | | | | | 448 |
| 360 | | | | | | | | | | | 517 | 438 |
| 350 | | | | | | | | | | | 515 | 407 |
| 340 | | | | | | | | | | | 501 | 360 |
| 330 | | | | | | | | | | 816 | 474 | 303 |
| 320 | | | | | | | | | 758 | 614 | 434 | 231 |
| 310 | 1547 | | 1752 | 1561 | | | | | 758 | 596 | 385 | 144 |
| 300 | 1535 | | 1752 | 1556 | | | | 1234 | 747 | 557 | 324 | 58.8 |
| 290 | 1488 | | 1725 | 1514 | | | | 1234 | 710 | 505 | 256 | |
| 280 | 1409 | | 1646 | 1432 | | | | 1213 | 663 | 437 | 182 | |
| 270 | 1289 | | 1512 | 1307 | | | | 1153 | 603 | 358 | 118 | |
| 260 | 1145 | | 1338 | 1142 | | | | 1056 | 531 | 260 | 72.8 | |
| 250 | 977 | | 1108 | 966 | | | | 907 | 441 | 170 | 41.0 | |
| 240 | 813 | | 877 | 793 | | | | 702 | 331 | 87.6 | 16.0 | |
| 230 | 663 | | 648 | 643 | | | | 437 | 190 | 41.2 | | |
| 220 | 539 | | 494 | 521 | | | | 144 | 70.3 | 3.1 | | |
| 210 | 443 | | 394 | 422 | | | | 12.4 | | | | |
| 200 | 381 | | 337 | 353 | | | | | | | | |
| 190 | 338 | | 301 | 306 | | | | | | | | |
| 180 | 308 | | 271 | 272 | | | | | | | | |
| 170 | 286 | | 240 | 245 | | | | | | | | |
| 160 | 263 | | 208 | 217 | | | | | | | | |
| 150 | 237 | | 185 | 186 | | | | | | | | |
| 140 | 212 | | 169 | 164 | | | | | | | | |
| 130 | 171 | | 161 | 151 | | | | | | | | |
| 120 | 157 | | 152 | 144 | | | | | | | | |
| 110 | 93.7 | | 12.4 | 102 | | | | | | | | |

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ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 28 MAR 1962

| TIME | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q,KP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 2 |
| HMIN | 267 | 247 | 231 | 209 | 202 | 199 | 227 | 118 | 110 | 109 | 112 | 109 |
| SCAT | 41.5 | 31.1 | 34.3 | 26.9 | 46.9 | 56.0 | 43.6 | 28.4 | 45.0 | 50.6 | 64.7 | 50.1 |
| HMAXF | 356 | 316 | 297 | 264 | 282 | 304 | 326 | 241 | 265 | 279 | 316 | 326 |
| SHMAX | 270 | 172 | 193 | 116 | 94 | 80 | 63 | 189 | 399 | 597 | 988 | 1234 |
| KM | | | | | | | | | | | | |
| 360 | 485 | | | | | | | | | | | |
| 350 | 482 | | | | | | | | | | | |
| 340 | 466 | | | | | | | | | | | |
| 330 | 434 | | | | | | 98.0 | | | | | 1298 |
| 320 | 392 | 411 | | | | | 97.5 | | | | 941 | 1294 |
| 310 | 337 | 407 | | | | 111 | 94.5 | | | | 938 | 1267 |
| 300 | 263 | 385 | 463 | | | 111 | 88.9 | | | | 926 | 1213 |
| 290 | 172 | 341 | 458 | | 170 | 109 | 80.9 | | | | 902 | 1131 |
| 280 | 68.7 | 276 | 435 | | 170 | 106 | 71.5 | | | 645 | 866 | 1034 |
| 270 | 23.7 | 188 | 392 | 342 | 167 | 101 | 61.0 | | 494 | 639 | 822 | 924 |
| 260 | | 78.5 | 315 | 340 | 161 | 93.7 | 49.3 | | 442 | 621 | 761 | 805 |
| 250 | | 25.1 | 183 | 319 | 151 | 84.6 | 37.5 | 366 | 479 | 590 | 691 | 685 |
| 240 | | | 53.8 | 273 | 135 | 72.6 | 26.1 | 366 | 455 | 547 | 611 | 578 |
| 230 | | | | 189 | 109 | 58.1 | 12.4 | 352 | 417 | 496 | 522 | 485 |
| 220 | | | | 70.7 | 72.0 | 41.1 | | 315 | 376 | 442 | 430 | 411 |
| 210 | | | | 12.4 | 34.1 | 25.6 | | 262 | 333 | 388 | 362 | 358 |
| 200 | | | | | | 3.1 | | 193 | 291 | 342 | 319 | 321 |
| 190 | | | | | | | | 135 | 250 | 302 | 288 | 294 |
| 180 | | | | | | | | 99.4 | 207 | 265 | 263 | 271 |
| 170 | | | | | | | | 77.9 | 165 | 233 | 240 | 247 |
| 160 | | | | | | | | 65.4 | 132 | 204 | 218 | 217 |
| 150 | | | | | | | | 58.8 | 110 | 178 | 197 | 189 |
| 140 | | | | | | | | 51.3 | 93.4 | 154 | 165 | 171 |
| 130 | | | | | | | | 44.2 | 85.6 | 128 | 140 | 161 |
| 120 | | | | | | | | 19.3 | 82.3 | 114 | 82.6 | 150 |
| 110 | | | | | | | | | 12.4 | 41.8 | | 34.4 |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO 60 W 28 MAR 1962

| TIME | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q,KP | 2 | A2 | A2 | A2 | A2 | A2 | A2 | A2 | A3 | A3 | A3 | A3 |
| HMIN | 110 | | | | | | | 200 | 217 | 221 | | 274 |
| SCAT | 44.4 | | | | | | | 37.7 | 49.8 | 40.5 | | 45.2 |
| HMAXF | 330 | | | | | | | 289 | 323 | 318 | | 372 |
| SHMAX | 1363 | | | | | | | 555 | 527 | 346 | | 315 |
| KM | | | | | | | | | | | | |
| 380 | | | | | | | | | | | | 536 |
| 370 | | | | | | | | | | | | 536 |
| 360 | | | | | | | | | | | | 528 |
| 350 | | | | | | | | | | | | 506 |
| 340 | | | | | | | | | | | | 471 |
| 330 | 1533 | | | | | | | | 779 | | | 421 |
| 320 | 1513 | | | | | | | | 778 | 616 | | 349 |
| 310 | 1455 | | | | | | | | 765 | 609 | | 258 |
| 300 | 1355 | | | | | | | | 736 | 584 | | 164 |
| 290 | 1232 | | | | | | | 1041 | 690 | 541 | | 76.6 |
| 280 | 1096 | | | | | | | 1026 | 632 | 479 | | 32.2 |
| 270 | 949 | | | | | | | 969 | 559 | 402 | | |
| 260 | 808 | | | | | | | 888 | 470 | 305 | | |
| 250 | 677 | | | | | | | 783 | 366 | 192 | | |
| 240 | 568 | | | | | | | 652 | 251 | 97.0 | | |
| 230 | 477 | | | | | | | 467 | 126 | 40.1 | | |
| 220 | 407 | | | | | | | 256 | 35.3 | | | |
| 210 | 357 | | | | | | | 85.8 | | | | |
| 200 | 321 | | | | | | | | | | | |
| 190 | 295 | | | | | | | | | | | |
| 180 | 268 | | | | | | | | | | | |
| 170 | 237 | | | | | | | | | | | |
| 160 | 203 | | | | | | | | | | | |
| 150 | 181 | | | | | | | | | | | |
| 140 | 167 | | | | | | | | | | | |
| 130 | 160 | | | | | | | | | | | |
| 120 | 141 | | | | | | | | | | | |
| 110 | 12.4 | | | | | | | | | | | |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO — 60 W — 29 MAR 1962

| TIME | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G,KP | 3 | S3 | 3 | 3 | 3 | 1 | 1 | A1 | 2 | 2 | B2 | B0 |
| HMIN | 269 | 251 | 214 | 202 | 220 | 238 | 248 | | 109 | 109 | 108 | 110 |
| SCAT | 53.8 | 29.8 | 37.9 | 31.5 | 36.8 | 34.0 | 50.3 | | 37.3 | 43.6 | 59.1 | 45.3 |
| HMAXF | 388 | 318 | 291 | 262 | 299 | 333 | 356 | | 253 | 269 | 307 | 312 |
| SHMAX | 409 | 294 | 355 | 186 | 124 | 116 | 154 | | 445 | 633 | 910 | 1163 |
| KM | | | | | | | | | | | | |
| 390 | 594 | | | | | | | | | | | |
| 380 | 591 | | | | | | | | | | | |
| 370 | 578 | | | | | | | | | | | |
| 360 | 555 | | | | | | 226 | | | | | |
| 350 | 521 | | | | | | 225 | | | | | |
| 340 | 474 | | | | | 206 | 220 | | | | | |
| 330 | 403 | | | | | 206 | 211 | | | | | |
| 320 | 321 | 645 | | | | 200 | 197 | | | | | 1296 |
| 310 | 236 | 634 | | | | 188 | 179 | | | | 858 | 1293 |
| 300 | 140 | 585 | 744 | | 247 | 170 | 155 | | | | 855 | 1275 |
| 290 | 77.4 | 506 | 743 | | 244 | 145 | 129 | | | | 841 | 1220 |
| 280 | 37.4 | 381 | 727 | | 231 | 116 | 98.3 | | | | 814 | 1131 |
| 270 | 4.7 | 167 | 684 | 471 | 209 | 84.7 | 62.8 | | | 782 | 773 | 1026 |
| 260 | | 71.4 | 615 | 471 | 179 | 55.3 | 36.1 | | 647 | 776 | 723 | 912 |
| 250 | | | 508 | 455 | 140 | 31.8 | 12.4 | | 636 | 755 | 663 | 787 |
| 240 | | | 340 | 416 | 88.8 | 12.4 | | | 676 | 717 | 598 | 668 |
| 230 | | | 153 | 347 | 45.7 | | | | 629 | 664 | 533 | 563 |
| 220 | | | 40.1 | 230 | 3.1 | | | | 558 | 591 | 473 | 471 |
| 210 | | | | 91.1 | | | | | 452 | 498 | 420 | 400 |
| 200 | | | | | | | | | 345 | 408 | 375 | 351 |
| 190 | | | | | | | | | 270 | 331 | 337 | 318 |
| 180 | | | | | | | | | 217 | 274 | 303 | 294 |
| 170 | | | | | | | | | 178 | 231 | 270 | 274 |
| 160 | | | | | | | | | 147 | 199 | 237 | 253 |
| 150 | | | | | | | | | 122 | 172 | 208 | 230 |
| 140 | | | | | | | | | 99.5 | 148 | 178 | 196 |
| 130 | | | | | | | | | 89.2 | 127 | 152 | 164 |
| 120 | | | | | | | | | 83.1 | 116 | 135 | 148 |
| 110 | | | | | | | | | 26.0 | 27.3 | 61.1 | 12.4 |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO — 60 W — 29 MAR 1962

| TIME | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G,KP | 0 | 0 | 1 | 1 | 1 | 0 | S0 | 0 | S1 | S1 | A1 | 1 |
| HMIN | 106 | 108 | 108 | 107 | 109 | 111 | 110 | 200 | 217 | 212 | 211 | 239 |
| SCAT | 42.2 | 37.0 | 39.4 | 46.1 | 33.6 | 34.4 | 36.5 | 45.0 | 32.8 | 44.5 | 44.1 | 35.0 |
| HMAXF | 304 | 294 | 286 | 304 | 276 | 278 | 264 | 297 | 307 | 309 | 309 | 330 |
| SHMAX | 1331 | 1292 | 1168 | 1240 | 916 | 882 | 593 | 434 | 337 | 332 | 220 | 159 |
| KM | | | | | | | | | | | | |
| 330 | | | | | | | | | | | | 311 |
| 320 | | | | | | | | | | | | 305 |
| 310 | 1704 | | | 1547 | | | | | 707 | 559 | 371 | 286 |
| 300 | 1701 | 1877 | | 1544 | | | | 714 | 649 | 553 | 367 | 254 |
| 290 | 1659 | 1670 | 1712 | 1513 | | | | 709 | 660 | 534 | 354 | 213 |
| 280 | 1570 | 1605 | 1703 | 1446 | 1561 | 1561 | | 688 | 588 | 500 | 330 | 163 |
| 270 | 1433 | 1670 | 1644 | 1342 | 1550 | 1538 | 1184 | 648 | 492 | 452 | 299 | 110 |
| 260 | 1254 | 1465 | 1525 | 1202 | 1475 | 1450 | 1181 | 594 | 350 | 386 | 255 | 65.0 |
| 250 | 1038 | 1205 | 1364 | 1024 | 1330 | 1296 | 1142 | 522 | 226 | 306 | 195 | 35.4 |
| 240 | 842 | 957 | 1128 | 836 | 1119 | 1077 | 1055 | 428 | 127 | 215 | 135 | 5.4 |
| 230 | 670 | 729 | 883 | 658 | 852 | 794 | 917 | 315 | 63.4 | 115 | 76.4 | |
| 220 | 534 | 547 | 659 | 514 | 600 | 542 | 640 | 200 | 21.6 | 43.6 | 36.5 | |
| 210 | 441 | 432 | 481 | 414 | 405 | 355 | 351 | 88.9 | | | | |
| 200 | 379 | 365 | 372 | 350 | 314 | 258 | 203 | 12.4 | | | | |
| 190 | 335 | 326 | 312 | 309 | 266 | 207 | 135 | | | | | |
| 180 | 304 | 301 | 277 | 281 | 233 | 171 | 102 | | | | | |
| 170 | 278 | 280 | 250 | 254 | 198 | 136 | 80.4 | | | | | |
| 160 | 255 | 258 | 227 | 223 | 162 | 107 | 65.4 | | | | | |
| 150 | 231 | 227 | 198 | 191 | 139 | 96.7 | 55.8 | | | | | |
| 140 | 206 | 193 | 176 | 168 | 128 | 91.3 | 49.2 | | | | | |
| 130 | 178 | 172 | 163 | 152 | 123 | 88.2 | 44.7 | | | | | |
| 120 | 160 | 160 | 156 | 143 | 119 | 85.9 | 42.3 | | | | | |
| 110 | 96.7 | 59.9 | 96.5 | 62.2 | 36.1 | | 12.4 | | | | | |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO — 60 W — 30 MAR 1962

| TIME | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G,KP | 1 | S1 | 0 | 0 | 0 | 0 | 0 | 0 | B0 | 0 | A0 | A0 |
| HMIN | 243 | 250 | 211 | 200 | 199 | 198 | 240 | 111 | 110 | 107 | | |
| SCAT | 30.6 | 32.6 | 36.4 | 39.4 | 37.9 | 54.5 | 38.1 | 32.7 | 36.6 | 42.7 | | |
| HMAXF | 320 | 330 | 286 | 260 | 256 | 284 | 321 | 231 | 246 | 264 | | |
| SHMAX | 141 | 147 | 149 | 96 | 60 | 54 | 56 | 175 | 384 | 567 | | |
| KM | | | | | | | | | | | | |
| 330 | | 310 | | | | | 103 | | | | | |
| 320 | 311 | 303 | | | | | 103 | | | | | |
| 310 | 303 | 280 | | | | | 101 | | | | | |
| 300 | 278 | 247 | | | | | 95.6 | | | | | |
| 290 | 239 | 202 | 326 | | | 83.5 | 86.4 | | | | | |
| 280 | 192 | 147 | 324 | | | 83.3 | 75.6 | | | | | |
| 270 | 137 | 87.7 | 311 | 214 | | 82.1 | 62.3 | | | 714 | | |
| 260 | 75.9 | 42.7 | 286 | 214 | 146 | 79.4 | 45.7 | | | 712 | | |
| 250 | 34.0 | 1.7 | 240 | 210 | 145 | 75.0 | 26.8 | | 540 | 693 | | |
| 240 | | | 169 | 200 | 140 | 69.9 | 2.4 | 326 | 576 | 655 | | |
| 230 | | | 84.4 | 183 | 131 | 63.2 | | 326 | 551 | 598 | | |
| 220 | | | 39.1 | 152 | 105 | 52.5 | | 318 | 504 | 524 | | |
| 210 | | | | 93.7 | 57.7 | 35.6 | | 294 | 433 | 446 | | |
| 200 | | | | 12.4 | 12.4 | 12.4 | | 254 | 356 | 380 | | |
| 190 | | | | | | | | 200 | 290 | 327 | | |
| 180 | | | | | | | | 142 | 237 | 286 | | |
| 170 | | | | | | | | 91.5 | 195 | 247 | | |
| 160 | | | | | | | | 68.1 | 162 | 211 | | |
| 150 | | | | | | | | 58.9 | 139 | 180 | | |
| 140 | | | | | | | | 53.4 | 120 | 154 | | |
| 130 | | | | | | | | 50.5 | 101 | 125 | | |
| 120 | | | | | | | | 37.9 | 83.7 | 115 | | |
| 110 | | | | | | | | | 12.4 | 80.7 | | |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO — 60 W — 30 MAR 1962

| TIME | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G,KP | B0 | 0 | 1 | 1 | A1 | A1 | A1 | A1 | A2 | A2 | A2 | A1 |
| HMIN | 107 | 108 | 107 | 107 | | | | 200 | 199 | 210 | 221 | 242 |
| SCAT | 43.0 | 36.0 | 46.0 | 47.9 | | | | 39.4 | 44.6 | 43.7 | 33.7 | 32.4 |
| HMAXF | 286 | 295 | 296 | 287 | | | | 286 | 312 | 301 | 313 | 323 |
| SHMAX | 1029 | 1128 | 1186 | 1143 | | | | 531 | 458 | 374 | 230 | 204 |
| KM | | | | | | | | | | | | |
| 330 | | | | | | | | | | | | 430 |
| 320 | | | | | | | | | 714 | | 450 | 429 |
| 310 | | | | | | | | | 713 | 645 | 449 | 414 |
| 300 | | 1533 | 1491 | | | | | | 701 | 645 | 433 | 378 |
| 290 | 1360 | 1526 | 1485 | 1477 | | | | 1027 | 671 | 635 | 396 | 325 |
| 280 | 1353 | 1472 | 1448 | 1470 | | | | 1021 | 622 | 608 | 346 | 261 |
| 270 | 1314 | 1367 | 1375 | 1432 | | | | 985 | 559 | 564 | 285 | 190 |
| 260 | 1236 | 1202 | 1265 | 1358 | | | | 916 | 460 | 502 | 211 | 105 |
| 250 | 1123 | 996 | 1121 | 1259 | | | | 810 | 385 | 420 | 140 | 41.0 |
| 240 | 975 | 807 | 944 | 1115 | | | | 659 | 242 | 320 | 79.8 | |
| 230 | 787 | 638 | 774 | 929 | | | | 470 | 201 | 211 | 38.1 | |
| 220 | 607 | 510 | 607 | 738 | | | | 259 | 119 | 89.4 | | |
| 210 | 468 | 420 | 476 | 561 | | | | 95.0 | 53.9 | 12.4 | | |
| 200 | 378 | 363 | 383 | 434 | | | | 12.4 | 12.4 | | | |
| 190 | 327 | 326 | 327 | 342 | | | | | | | | |
| 180 | 296 | 301 | 290 | 291 | | | | | | | | |
| 170 | 271 | 279 | 259 | 258 | | | | | | | | |
| 160 | 245 | 256 | 228 | 230 | | | | | | | | |
| 150 | 212 | 231 | 200 | 202 | | | | | | | | |
| 140 | 187 | 202 | 183 | 175 | | | | | | | | |
| 130 | 176 | 179 | 167 | 155 | | | | | | | | |
| 120 | 162 | 163 | 158 | 146 | | | | | | | | |
| 110 | 63.5 | 35.7 | 71.7 | 66.3 | | | | | | | | |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO — 60 m — 31 MAR 1962

| TIME | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q,KP | 1 | 1 | 2 | 2 | 2 | A0 | 0 | 0 | 0 | 0 | B0 | A1 |
| HMIN | 235 | 221 | 217 | 210 | 207 | 223 | 239 | 112 | 106 | 108 | 105 | 107 |
| SCAI | 35.2 | 33.6 | 27.1 | 27.9 | 30.2 | 40.7 | 40.3 | 35.3 | 38.3 | 41.7 | 53.3 | 48.4 |
| HMAXF | 321 | 296 | 281 | 269 | 266 | 308 | 317 | 236 | 234 | 259 | 267 | 283 |
| SHMAX | 216 | 184 | 143 | 134 | 104 | 106 | 100 | 213 | 375 | 562 | 895 | 970 |
| KM | | | | | | | | | | | | |
| 330 | 430 | | | | | | | | | | | |
| 320 | 430 | | | | | | 191 | | | | | |
| 310 | 419 | | | | | 197 | 190 | | | | | |
| 300 | 388 | 411 | | | | 195 | 183 | | | | | |
| 290 | 345 | 407 | 374 | | | 187 | 170 | | | | 980 | 1173 |
| 280 | 284 | 386 | 374 | | | 174 | 149 | | | | 977 | 1172 |
| 270 | 217 | 347 | 358 | 358 | 271 | 154 | 121 | | | | 957 | 1153 |
| 260 | 133 | 281 | 316 | 349 | 269 | 127 | 85.9 | | | 747 | 919 | 1109 |
| 250 | 66.8 | 204 | 256 | 317 | 253 | 92.2 | 48.1 | | | 733 | 865 | 1040 |
| 240 | 26.9 | 108 | 174 | 264 | 222 | 54.5 | 12.4 | 414 | 544 | 710 | 793 | 944 |
| 230 | | 42.7 | 76.6 | 187 | 166 | 25.8 | | 411 | 542 | 659 | 703 | 822 |
| 220 | | | 25.1 | 87.8 | 87.5 | | | 390 | 573 | 586 | 600 | 683 |
| 210 | | | | 12.4 | 25.5 | | | 358 | 534 | 494 | 502 | 552 |
| 200 | | | | | | | | 300 | 474 | 412 | 421 | 446 |
| 190 | | | | | | | | 199 | 398 | 344 | 360 | 366 |
| 180 | | | | | | | | 114 | 308 | 289 | 315 | 316 |
| 170 | | | | | | | | 77.6 | 234 | 246 | 283 | 284 |
| 160 | | | | | | | | 61.2 | 182 | 214 | 253 | 259 |
| 150 | | | | | | | | 48.6 | 145 | 188 | 225 | 233 |
| 140 | | | | | | | | 43.2 | 116 | 164 | 199 | 206 |
| 130 | | | | | | | | 40.7 | 93.2 | 135 | 171 | 172 |
| 120 | | | | | | | | 39.3 | 84.3 | 115 | 144 | 148 |
| 110 | | | | | | | | | 68.1 | 49.1 | 126 | 41.8 |

ELECTRON DENSITY

RAMEY AFB, PUERTO RICO — 60 m — 31 MAR 1962

| TIME | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q,KP | 1 | A1 | A1 | A1 | A1 | A1 | A1 | A1 | A1 | A1 | S1 | S3 |
| HMIN | 108 | 108 | | | | | | 200 | | 201 | 254 | 261 |
| SCAI | 39.9 | 43.8 | | | | | | 46.2 | | 52.3 | 40.6 | 35.9 |
| HMAXF | 293 | 290 | | | | | | 279 | | 305 | 343 | 348 |
| SHMAX | 1123 | 1139 | | | | | | 640 | | 260 | 159 | 161 |
| KM | | | | | | | | | | | | |
| 350 | | | | | | | | | | | 281 | 311 |
| 340 | | | | | | | | | | | 281 | 307 |
| 330 | | | | | | | | | | | 274 | 291 |
| 320 | | | | | | | | | | | 258 | 263 |
| 310 | | | | | | | | | | 384 | 235 | 225 |
| 300 | 1417 | | | | | | | | | 388 | 204 | 179 |
| 290 | 1415 | 1470 | | | | | | | | 380 | 165 | 127 |
| 280 | 1377 | 1453 | | | | | | 1173 | | 366 | 122 | 78.6 |
| 270 | 1293 | 1397 | | | | | | 1163 | | 345 | 73.8 | 38.1 |
| 260 | 1170 | 1307 | | | | | | 1125 | | 316 | 32.9 | |
| 250 | 1026 | 1169 | | | | | | 1055 | | 278 | | |
| 240 | 862 | 1005 | | | | | | 963 | | 224 | | |
| 230 | 709 | 823 | | | | | | 806 | | 158 | | |
| 220 | 583 | 645 | | | | | | 580 | | 95.2 | | |
| 210 | 479 | 500 | | | | | | 241 | | 40.4 | | |
| 200 | 406 | 402 | | | | | | 12.4 | | | | |
| 190 | 358 | 340 | | | | | | | | | | |
| 180 | 325 | 305 | | | | | | | | | | |
| 170 | 298 | 280 | | | | | | | | | | |
| 160 | 272 | 256 | | | | | | | | | | |
| 150 | 246 | 226 | | | | | | | | | | |
| 140 | 220 | 195 | | | | | | | | | | |
| 130 | 197 | 175 | | | | | | | | | | |
| 120 | 160 | 165 | | | | | | | | | | |
| 110 | 61.1 | 81.7 | | | | | | | | | | |

AVERAGE ELECTRON DENSITY — KP BELOW 4.5

RAMEY AFB, PUERTO RICO — 60 W — MAR 1962

| TIME | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| COUNT | 29 | 30 | 31 | 31 | 31 | 31 | 31 | 28 | 29 | 29 | 27 | 29 |
| KP | 1.6 | 1.5 | 1.7 | 1.7 | 1.7 | 1.6 | 1.6 | 1.6 | 1.9 | 1.9 | 1.9 | 1.8 |
| HMIN | 252 | 245 | 234 | 216 | 211 | 223 | 241 | 111 | 108 | 108 | 108 | 107 |
| RATIO | 6.7 | 7.4 | 7.6 | 8.2 | 7.6 | 6.5 | 6.0 | 6.1 | 5.5 | 4.6 | 4.4 | 4.6 |
| SCAT | 36.9 | 32.4 | 32.5 | 31.2 | 36.9 | 41.3 | 41.6 | 32.8 | 35.0 | 43.5 | 45.7 | 42.6 |
| NMAX | 321 | 305 | 317 | 272 | 136 | 138 | 130 | 347 | 540 | 670 | 924 | 1207 |
| HMAXF | 336 | 318 | 303 | 279 | 281 | 306 | 328 | 245 | 243 | 262 | 282 | 289 |
| SHMAX | 164 | 135 | 136 | 108 | 86 | 75 | 74 | 196 | 340 | 528 | 766 | 947 |
| SHINF | 1070 | 995 | 1029 | 876 | 638 | 465 | 441 | 1174 | 1864 | 2418 | 3372 | 4352 |
| KM | | | | | | | | | | | | |
| 950 | 25.0 | 21.2 | 20.2 | 15.6 | 11.2 | 9.2 | 9.7 | 17.0 | 26.2 | 35.8 | 54.6 | 73.3 |
| 900 | 32.1 | 27.2 | 26.0 | 20.1 | 14.4 | 11.9 | 12.4 | 21.8 | 33.6 | 46.0 | 70.0 | 94.1 |
| 850 | 41.1 | 34.9 | 33.3 | 25.7 | 18.5 | 15.2 | 15.9 | 27.9 | 43.2 | 59.0 | 89.9 | 121 |
| 800 | 52.7 | 44.7 | 42.7 | 33.0 | 23.7 | 19.5 | 20.4 | 35.8 | 55.4 | 75.7 | 115 | 155 |
| 750 | 67.5 | 57.3 | 54.7 | 42.3 | 30.4 | 25.0 | 26.1 | 46.0 | 71.0 | 97.1 | 148 | 198 |
| 700 | 86.1 | 73.2 | 70.0 | 54.2 | 38.9 | 31.9 | 33.3 | 58.9 | 91.0 | 124 | 189 | 254 |
| 650 | 110 | 93.3 | 89.4 | 69.2 | 49.7 | 40.7 | 42.4 | 75.3 | 116 | 159 | 241 | 324 |
| 600 | 139 | 118 | 114 | 88.1 | 63.3 | 51.7 | 53.7 | 96.2 | 149 | 203 | 307 | 413 |
| 550 | 173 | 149 | 143 | 112 | 80.2 | 65.2 | 67.4 | 122 | 189 | 257 | 389 | 522 |
| 500 | 214 | 185 | 179 | 140 | 101 | 81.1 | 83.4 | 155 | 239 | 324 | 488 | 654 |
| 450 | 266 | 225 | 220 | 173 | 125 | 99.0 | 101 | 193 | 279 | 403 | 604 | 807 |
| 440 | 264 | 234 | 229 | 181 | 130 | 103 | 104 | 202 | 312 | 421 | 628 | 839 |
| 430 | 272 | 242 | 237 | 188 | 135 | 106 | 107 | 211 | 326 | 438 | 653 | 872 |
| 420 | 280 | 250 | 246 | 195 | 140 | 110 | 111 | 220 | 340 | 456 | 678 | 905 |
| 410 | 287 | 258 | 254 | 202 | 145 | 113 | 114 | 229 | 354 | 474 | 703 | 937 |
| 400 | 294 | 265 | 262 | 210 | 151 | 117 | 117 | 238 | 368 | 492 | 728 | 970 |
| 390 | 300 | 272 | 270 | 217 | 156 | 120 | 119 | 247 | 383 | 510 | 752 | 1001 |
| 380 | 305 | 279 | 278 | 224 | 161 | 123 | 122 | 257 | 398 | 528 | 776 | 1032 |
| 370 | 308 | 285 | 285 | 231 | 166 | 126 | 124 | 266 | 412 | 546 | 800 | 1062 |
| 360 | 310 | 290 | 292 | 237 | 171 | 129 | 125 | 275 | 427 | 564 | 822 | 1090 |
| 350 | 308 | 295 | 298 | 244 | 175 | 131 | 126 | 285 | 441 | 580 | 843 | 1117 |
| 340 | 303 | 297 | 303 | 249 | 179 | 132 | 126 | 293 | 455 | 596 | 862 | 1140 |
| 330 | 292 | 298 | 307 | 254 | 183 | 133 | 124 | 302 | 469 | 612 | 879 | 1161 |
| 320 | 277 | 294 | 308 | 258 | 186 | 133 | 121 | 310 | 482 | 625 | 893 | 1178 |
| 310 | 255 | 284 | 308 | 262 | 189 | 131 | 115 | 318 | 494 | 638 | 905 | 1190 |
| 300 | 224 | 265 | 303 | 263 | 191 | 127 | 106 | 325 | 506 | 648 | 912 | 1195 |
| 290 | 187 | 236 | 292 | 261 | 191 | 120 | 93.8 | 331 | 516 | 657 | 914 | 1191 |
| 280 | 144 | 197 | 271 | 256 | 190 | 112 | 79.6 | 337 | 524 | 662 | 907 | 1171 |
| 270 | 99.5 | 147 | 239 | 246 | 184 | 99.9 | 64.4 | 341 | 531 | 663 | 886 | 1125 |
| 260 | 59.9 | 101 | 193 | 229 | 174 | 85.5 | 47.6 | 343 | 536 | 657 | 847 | 1050 |
| 250 | 28.1 | 59.2 | 137 | 201 | 158 | 70.3 | 34.1 | 341 | 537 | 640 | 789 | 944 |
| 240 | 10.5 | 31.7 | 77.2 | 162 | 131 | 53.2 | 20.6 | 334 | 530 | 610 | 710 | 813 |
| 230 | 2.6 | 13.2 | 30.5 | 114 | 98.0 | 36.5 | 11.1 | 317 | 509 | 563 | 615 | 671 |
| 220 | .4 | 2.8 | 8.5 | 61.6 | 57.7 | 21.0 | 5.1 | 288 | 469 | 501 | 515 | 537 |
| 210 | | .4 | .4 | 24.5 | 19.3 | 10.0 | 1.2 | 245 | 407 | 431 | 426 | 432 |
| 200 | | | | 5.3 | 2.1 | 2.1 | .4 | 193 | 334 | 365 | 358 | 360 |
| 190 | | | | 1.6 | | | | 141 | 265 | 308 | 309 | 315 |
| 180 | | | | | | | | 99.4 | 209 | 263 | 274 | 284 |
| 170 | | | | | | | | 73.7 | 167 | 226 | 245 | 259 |
| 160 | | | | | | | | 59.5 | 136 | 195 | 216 | 234 |
| 150 | | | | | | | | 51.9 | 114 | 167 | 190 | 206 |
| 140 | | | | | | | | 47.0 | 98.0 | 143 | 166 | 180 |
| 130 | | | | | | | | 41.3 | 85.4 | 123 | 146 | 159 |
| 120 | | | | | | | | 32.6 | 77.8 | 111 | 132 | 147 |
| 110 | | | | | | | | 9.9 | 32.3 | 57.9 | 65.6 | 71.6 |

AVERAGE ELECTRON DENSITY — KP BELOW 4.5

RAMEY AFB, PUERTO RICO — 60 W — MAR 1962

| TIME | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| COUNT | 30 | 27 | 26 | 26 | 26 | 22 | 13 | 30 | 30 | 31 | 29 | 29 |
| KP | 1.7 | 1.7 | 1.5 | 1.6 | 1.5 | 1.7 | 1.8 | 1.5 | 1.8 | 1.7 | 1.7 | 1.7 |
| HMIN | 107 | 108 | 108 | 108 | 109 | 109 | 109 | 207 | 206 | 213 | 245 | 262 |
| RATIO | 4.7 | 4.8 | 4.8 | 5.0 | 5.2 | 5.5 | 5.9 | 7.0 | 6.9 | 6.8 | 5.8 | 6.5 |
| SCAT | 41.7 | 41.2 | 41.4 | 39.9 | 39.5 | 38.2 | 37.2 | 36.6 | 36.7 | 43.0 | 41.7 | 36.7 |
| NMAX | 1324 | 1387 | 1436 | 1414 | 1237 | 1107 | 1022 | 935 | 567 | 383 | 298 | 328 |
| HMAXF | 289 | 288 | 288 | 284 | 276 | 272 | 272 | 286 | 298 | 312 | 346 | 349 |
| SHMAX | 1018 | 1037 | 1066 | 1001 | 841 | 710 | 593 | 408 | 263 | 230 | 178 | 165 |
| SHINF | 4752 | 4949 | 5118 | 4989 | 4331 | 3633 | 3476 | 2764 | 1833 | 1311 | 1019 | 1049 |
| KM | | | | | | | | | | | | |
| 950 | 80.6 | 83.8 | 87.2 | 84.0 | 70.5 | 62.4 | 58.0 | 50.2 | 34.9 | 26.6 | 24.2 | 26.5 |
| 900 | 103 | 108 | 112 | 108 | 90.5 | 80.2 | 74.5 | 64.4 | 44.8 | 34.1 | 31.1 | 34.0 |
| 850 | 133 | 138 | 144 | 138 | 116 | 103 | 95.6 | 82.6 | 57.4 | 43.8 | 39.9 | 43.6 |
| 800 | 170 | 177 | 184 | 177 | 149 | 132 | 123 | 106 | 73.7 | 56.1 | 51.1 | 55.9 |
| 750 | 218 | 227 | 236 | 227 | 191 | 169 | 157 | 136 | 94.4 | 71.9 | 65.3 | 71.5 |
| 700 | 279 | 290 | 302 | 291 | 244 | 217 | 201 | 174 | 121 | 91.9 | 83.4 | 91.3 |
| 650 | 357 | 371 | 386 | 372 | 312 | 277 | 257 | 222 | 154 | 117 | 106 | 116 |
| 600 | 454 | 472 | 491 | 473 | 398 | 353 | 327 | 283 | 196 | 149 | 134 | 146 |
| 550 | 574 | 597 | 621 | 599 | 504 | 447 | 415 | 358 | 248 | 187 | 167 | 183 |
| 500 | 719 | 749 | 778 | 751 | 634 | 562 | 521 | 448 | 310 | 232 | 205 | 224 |
| 450 | 886 | 924 | 960 | 928 | 786 | 697 | 646 | 553 | 382 | 282 | 245 | 267 |
| 440 | 921 | 961 | 998 | 966 | 818 | 726 | 673 | 576 | 397 | 293 | 252 | 275 |
| 430 | 957 | 999 | 1037 | 1004 | 851 | 755 | 700 | 598 | 412 | 303 | 260 | 282 |
| 420 | 993 | 1036 | 1076 | 1043 | 885 | 785 | 727 | 621 | 427 | 313 | 268 | 289 |
| 410 | 1029 | 1074 | 1115 | 1081 | 918 | 815 | 755 | 644 | 442 | 322 | 273 | 296 |
| 400 | 1064 | 1111 | 1153 | 1119 | 952 | 845 | 783 | 666 | 457 | 332 | 278 | 302 |
| 390 | 1099 | 1148 | 1191 | 1157 | 985 | 875 | 810 | 688 | 472 | 340 | 283 | 307 |
| 380 | 1132 | 1184 | 1228 | 1194 | 1018 | 904 | 837 | 710 | 486 | 344 | 288 | 311 |
| 370 | 1165 | 1219 | 1263 | 1230 | 1050 | 933 | 863 | 731 | 499 | 356 | 290 | 313 |
| 360 | 1195 | 1251 | 1297 | 1264 | 1081 | 961 | 889 | 751 | 512 | 363 | 290 | 313 |
| 350 | 1224 | 1282 | 1328 | 1295 | 1110 | 988 | 913 | 769 | 523 | 368 | 287 | 309 |
| 340 | 1249 | 1309 | 1356 | 1324 | 1138 | 1013 | 935 | 786 | 534 | 371 | 280 | 299 |
| 330 | 1271 | 1334 | 1381 | 1350 | 1163 | 1035 | 956 | 801 | 542 | 371 | 267 | 273 |
| 320 | 1288 | 1354 | 1401 | 1372 | 1185 | 1056 | 974 | 813 | 549 | 367 | 248 | 246 |
| 310 | 1300 | 1369 | 1416 | 1390 | 1203 | 1073 | 989 | 822 | 552 | 358 | 223 | 209 |
| 300 | 1304 | 1379 | 1423 | 1400 | 1218 | 1086 | 999 | 829 | 550 | 343 | 192 | 165 |
| 290 | 1297 | 1378 | 1418 | 1402 | 1226 | 1095 | 1003 | 825 | 541 | 322 | 158 | 123 |
| 280 | 1271 | 1354 | 1393 | 1387 | 1224 | 1096 | 997 | 809 | 518 | 295 | 122 | 84.3 |
| 270 | 1219 | 1297 | 1336 | 1342 | 1204 | 1080 | 975 | 770 | 476 | 261 | 97.4 | 53.5 |
| 260 | 1134 | 1199 | 1243 | 1256 | 1156 | 1040 | 934 | 704 | 438 | 222 | 81.9 | 27.5 |
| 250 | 1017 | 1067 | 1108 | 1130 | 1073 | 968 | 866 | 605 | 376 | 181 | 39.4 | 13.2 |
| 240 | 880 | 909 | 937 | 969 | 954 | 861 | 764 | 471 | 303 | 134 | 26.3 | 3.7 |
| 230 | 729 | 736 | 755 | 785 | 804 | 720 | 636 | 315 | 217 | 97.3 | 16.3 | .5 |
| 220 | 585 | 580 | 590 | 605 | 641 | 565 | 487 | 164 | 132 | 60.0 | 8.6 | |
| 210 | 462 | 458 | 463 | 454 | 489 | 425 | 346 | 57.9 | 55.0 | 27.4 | 3.6 | |
| 200 | 378 | 374 | 376 | 362 | 370 | 320 | 236 | 5.4 | 8.1 | 9.2 | .4 | |
| 190 | 326 | 323 | 322 | 305 | 292 | 248 | 161 | .4 | .4 | 1.8 | | |
| 180 | 293 | 291 | 288 | 269 | 245 | 200 | 114 | | | | | |
| 170 | 268 | 267 | 262 | 242 | 214 | 165 | 87.9 | | | | | |
| 160 | 244 | 244 | 237 | 215 | 186 | 138 | 72.3 | | | | | |
| 150 | 216 | 216 | 210 | 188 | 160 | 116 | 62.5 | | | | | |
| 140 | 189 | 187 | 183 | 163 | 139 | 101 | 55.4 | | | | | |
| 130 | 167 | 166 | 163 | 146 | 124 | 90.3 | 50.7 | | | | | |
| 120 | 153 | 154 | 151 | 137 | 116 | 85.1 | 46.4 | | | | | |
| 110 | 74.2 | 61.7 | 60.7 | 63.2 | 44.7 | 32.2 | 20.5 | | | | | |

# TABLES OF IONOSPHERIC DATA

JUNE 1961 - JANUARY 1954

TABLE 1

ADAK, ALASKA (51.9N, 176.6W)

TIME 180.0W

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 46 | 41 | 45 | 38 | 435 | 50 | 55 | D 57 | 59 | 57 | 665 | 57 | 55 | 54 | 52 | 52 | 51 | 53 | 55 | 58 | 62 | 65 | 585 | 59 |
| | CNT | 22 | 23 | 20 | 25 | 26 | 26 | 28 | 26 | 25 | 24 | 24 | 21 | 22 | 21 | 22 | 24 | 24 | 25 | 25 | 27 | 27 | 25 | 22 | 21 |
| | UQ | 55 | 49 | 47 | 45 | 47 | 54 | 58 | 60 | 64 | 61 | 61 | 65 | 58 | 56 | 54 | 55 | 54 | 55 | 59 | 63 | 67 | 68 | 67 | 62 |
| | LQ | 44 | 35 | 36 | 32 | 39 | 46 | 48 | 52 | 49 | 50 | 50 | 50 | 50 | 49 | 49 | 50 | 49 | 49 | 54 | 54 | 57 | 60 | 55 | 46 |
| h'F2 | MED | | | | | 380 | 387 | 369 | 360 | 3705 | 3855 | 388 | 402 | 405 | 403 | 424 | 391 | 3685 | 358 | E 3135 | 285 | | | | |
| | CNT | | | | 1 | 21 | 26 | 28 | 27 | 24 | 24 | 23 | 21 | 23 | 21 | 23 | 23 | 20 | 22 | 18 | 21 | | | | |
| | UQ | | | | | 421 | 410 | 400 | 395 | 417 | 488 | 518 | 443 | 459 | 515 | 507 | 415 | 394 | 377 | 328 | 300 | | | | |
| | LQ | | | | | 337 | 355 | 342 | 346 | 347 | 356 | 357 | 352 | 351 | 371 | 384 | 349 | 348 | 325 | 305 | 270 | | | | |
| h'F | MED | | E | E | | E | U | U | E | E | U | U | U | | | | | | | U | E | | | | |
| | CNT | 272 | 286 | 2845 | 296 | 267 | 242 | 230 | 222 | 219 | 205 | 201 | 201 | 200 | 1995 | 204 | 202 | 216 | 2175 | 236 | 250 | 258 | 246 | 2515 | 260 |
| | UQ | 29 | 29 | 28 | 29 | 25 | 25 | 21 | 15 | 17 | 20 | 23 | 17 | 23 | 22 | 23 | 23 | 23 | 20 | 15 | 10 | 27 | 27 | 28 | 28 |
| | LQ | 288 | 300 | 308 | 315 | 273 | 253 | 247 | 229 | 236 | 216 | 212 | 219 | 208 | 204 | 210 | 213 | 229 | 233 | 258 | 260 | 269 | 242 | 264 | 270 |
| | | 257 | 264 | 269 | 284 | 255 | 234 | 220 | 210 | 205 | 201 | 189 | 196 | 192 | 190 | 197 | 195 | 210 | 215 | 230 | 248 | 250 | 236 | 232 | 238 |
| (M3000)F2 | MED | 280 | 280 | 2775 | 275 | 270 | 2675 | 2725 | 280 | 280 | 280 | 280 | 280 | 2825 | 280 | 280 | 2925 | 295 | 290 | 300 | 305 | 305 | 300 | 295 | 295 |
| | CNT | 19 | 19 | 18 | 22 | 24 | 26 | 28 | 25 | 24 | 24 | 24 | 20 | 22 | 21 | 21 | 22 | 24 | 25 | 24 | 27 | 27 | 24 | 21 | 21 |
| | UQ | 295 | 290 | 290 | 280 | 280 | 275 | 285 | 290 | 290 | 285 | 295 | 300 | 300 | 300 | 300 | 305 | 300 | 300 | 305 | 315 | 315 | 310 | 310 | 305 |
| | LQ | 270 | 270 | 270 | 260 | 255 | 260 | 260 | 270 | 270 | 260 | 220 | 280 | 260 | 250 | 250 | 275 | 290 | 285 | 290 | 300 | 295 | 295 | 285 | 280 |
| foF1 | MED | | | | | 270 | 340 | 385 | 400 | 420 | 440 | 450 | 460 | 455 | 460 | 450 | 440 | 425 | 420 | | | | | | |
| | CNT | | | | | 11 | 20 | 24 | 20 | 18 | 20 | 23 | 20 | 24 | 21 | 23 | 23 | 18 | 13 | 3 | | | | | |
| foE | MED | | | | | U 175 | 225 | U 270 | U 290 | U 300 | U 3225 | | | | | 340 | 325 | 300 | U 280 | U 250 | | | | | |
| | CNT | | | | | 5 | 7 | 11 | 14 | 8 | 10 | 4 | 4 | 3 | 3 | 7 | 9 | 14 | 18 | 9 | | | | | |
| h'E | MED | | | | | 120 | 110 | 106 | 103 | 101 | 100 | 100 | 100 | 100 | 101 | 100 | 103 | 1035 | 105 | 108 | 117 | | | | |
| | CNT | | | | 2 | 9 | 27 | 28 | 27 | 27 | 27 | 25 | 26 | 26 | 27 | 27 | 25 | 26 | 26 | 26 | 25 | 4 | | | |
| foEs | MED | 17 | | 19 | 16 | 19 | 26 | 315 | 395 | 45 | 415 | 42 | 425 | 40 | 37 | 385 | 355 | 34 | 37 | 385 | 355 | 41 | 36 | 28 | 19 |
| | CNT | 27 | 27 | 27 | 27 | 27 | 28 | 28 | 28 | 26 | 28 | 25 | 26 | 28 | 27 | 28 | 26 | 27 | 27 | 28 | 28 | 25 | 26 | 27 | 25 |

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

JUNE, 1961

TABLE 2

BOULDER, COLORADO (40.0N, 105.3W)

TIME 105.0W

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 43 | 41 | U 385 | 37 | 33 | 38 | 435 | 50 | 52 | 57 | 61 | 605 | 61 | 62 | 625 | 62 | 63 | 62 | 62 | 65 | 865 | 60 | U 51 | 45 |
| | CNT | 22 | 22 | 22 | 24 | 27 | 30 | 30 | 30 | 29 | 29 | 28 | 26 | 28 | 28 | 28 | 29 | 29 | 30 | 30 | 27 | 28 | 27 | 26 | 22 |
| | UQ | 47 | 43 | 42 | 40 | 38 | 41 | 49 | 56 | 60 | 62 | 66 | 67 | 66 | 67 | 68 | 69 | 66 | 68 | 69 | 70 | 70 | 65 | 56 | 52 |
| | LQ | 40 | 37 | 35 | 33 | 30 | 37 | 41 | 44 | 49 | 51 | 55 | 57 | 57 | 56 | 56 | 56 | 57 | 57 | 56 | 61 | 64 | 52 | 45 | 43 |
| h'F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 295 | 295 | 300 | 295 | 300 | 3025 | 300 | 280 | 290 | 285 | 290 | 290 | 290 | 285 | 290 | 290 | 295 | 305 | 310 | 320 | 320 | 3175 | 300 | 300 |
| | CNT | 15 | 18 | 18 | 17 | 25 | 30 | 30 | 29 | 27 | 27 | 26 | 24 | 26 | 28 | 27 | 28 | 25 | 28 | 28 | 26 | 27 | 22 | 19 | 19 |
| | UQ | 300 | 300 | 300 | 300 | 305 | 320 | 310 | 300 | 315 | 300 | 300 | 300 | 300 | 295 | 300 | 300 | 310 | 310 | 320 | 325 | 325 | 320 | 310 | 305 |
| | LQ | 285 | 290 | 285 | 290 | 290 | 295 | 270 | 250 | 255 | 260 | 280 | 270 | 275 | 275 | 280 | 280 | 290 | 300 | 305 | 310 | 300 | 310 | 295 | 290 |
| foF1 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| foE | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| h'E | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| foEs | MED | 30 | 335 | 31 | 31 | 295 | 21 | 28 | 375 | 44 | 44 | 46 | 455 | 45 | 44 | 44 | 44 | 38 | 34 | 37 | 32 | 40 | 35 | 29 | 30 |
| | CNT | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 28 | 28 | 27 | 28 | 28 | 29 | 29 | 30 | 30 | 29 | 29 | 30 | 29 | 30 |

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

JUNE, 1961

TABLE 3

ANCHORAGE, ALASKA (61.2N, 149.9W)

TIME 150.0W

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | U 33 | U 32 | U 32 | U 34 | U 395 | 42 | 455 | 48 | 50 | 49 | 49 | 485 | 495 | 50 | 495 | 51 | 505 | 515 | 50 | 51 | 50 | 47 | 435 | U 38 |
| | CNT | 23 | 21 | 25 | 27 | 26 | 27 | 26 | 28 | 27 | 29 | 29 | 30 | 30 | 31 | 30 | 30 | 30 | 30 | 30 | 29 | 27 | 25 | 26 | 25 |
| | UQ | 40 | 36 | 36 | 38 | 42 | 46 | 50 | 52 | 54 | 54 | 54 | 53 | 53 | 53 | 52 | 53 | 54 | 53 | 53 | 55 | 53 | 50 | 49 | 46 |
| | LQ | 29 | 26 | 28 | 30 | 35 | 38 | 40 | 43 | 45 | 45 | 46 | 45 | 45 | 45 | 47 | 47 | 48 | 48 | 48 | 47 | 46 | 42 | 34 | 30 |
| h'F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | U 285 | U 280 | U 2775 | U 280 | U 280 | 265 | 2675 | 265 | 265 | 2675 | 265 | 265 | 270 | 265 | 270 | 280 | 285 | 295 | 300 | 310 | 310 | 310 | 300 | U 300 |
| | CNT | 23 | 21 | 24 | 26 | 26 | 27 | 26 | 27 | 26 | 28 | 29 | 30 | 29 | 31 | 30 | 30 | 29 | 30 | 30 | 29 | 27 | 25 | 25 | 23 |
| | UQ | 295 | 290 | 290 | 295 | 290 | 275 | 285 | 275 | 275 | 275 | 280 | 280 | 280 | 280 | 280 | 290 | 295 | 300 | 305 | 315 | 315 | 310 | 310 | 305 |
| | LQ | 270 | 275 | 270 | 270 | 265 | 250 | 250 | 250 | 250 | 255 | 250 | 240 | 240 | 235 | 245 | 265 | 275 | 285 | 290 | 300 | 305 | 300 | 290 | 280 |
| foF1 | MED | | | | | U 300 | 330 | 360 | 380 | 390 | 410 | 420 | 420 | 430 | 430 | 430 | 420 | U 410 | 390 | | | | | | |
| | CNT | | | | | 7 | 23 | 25 | 28 | 28 | 29 | 30 | 29 | 30 | 29 | 29 | 27 | 18 | 9 | | | | | | |
| foE | MED | | | | U 160 | 190 | 210 | 250 | 270 | 290 | 300 | 3075 | 315 | 320 | 3175 | 310 | 300 | 290 | 265 | U 240 | 2175 | U 170 | | | |
| | CNT | | | 1 | 8 | 15 | 17 | 21 | 20 | 21 | 25 | 18 | 17 | 17 | 12 | 21 | 22 | 13 | 10 | 22 | 12 | 5 | 3 | | |
| h'E | MED | | | | 123 | 113 | 115 | 111 | 109 | 107 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 111 | 109 | 111 | 119 | 132 | 147 | | |
| | CNT | | | 2 | 13 | 21 | 24 | 22 | 24 | 27 | 29 | 28 | 30 | 29 | 29 | 30 | 28 | 26 | 25 | 24 | 19 | 12 | 5 | 3 | |
| foEs | MED | 16 | 19 | 235 | 165 | 19 | | | | | | D 305 | 315 | 325 | 33 | 31 | | | | 27 | 23 | 25 | 225 | 185 | 145 |
| | CNT | 29 | 29 | 28 | 28 | 26 | 27 | 26 | 28 | 28 | 29 | 30 | 30 | 30 | 31 | 30 | 30 | 29 | 30 | 30 | 29 | 29 | 28 | 30 | 30 |

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

MAY, 1961

TABLE 4

THULE, GREENLAND (76.6N, 68.7W)

TIME 75.0W

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | U 525 | U 50 | U 525 | U 50 | U 49 | U 50 | U 52 | U 545 | U 53 | U 51 | U 53 | U 535 | U 56 | U 53 | U 55 | U 54 | U 56 | U 56 | U 55 | U 55 | U 545 | U 56 | U 55 | U 505 |
| | CNT | 26 | 25 | 22 | 26 | 21 | 22 | 29 | 26 | 25 | 23 | 20 | 18 | 15 | 23 | 22 | 26 | 25 | 25 | 25 | 24 | 22 | 26 | 26 | 26 |
| | UQ | 58 | 58 | 60 | 58 | 56 | 56 | 57 | 58 | 58 | 59 | 59 | 60 | 60 | 57 | 58 | 56 | 58 | 62 | 61 | 60 | 59 | 58 | 58 | 59 |
| | LQ | 42 | 44 | 45 | 45 | 46 | 43 | 46 | 48 | 48 | 43 | 50 | 47 | 52 | 50 | 53 | 52 | 54 | 50 | 48 | 48 | 48 | 51 | 48 | 47 |
| h'F2 | MED | 470 | 407 | U 418 | 4375 | 460 | 525 | 4695 | 465 | 460 | 488 | 455 | 499 | 455 | 455 | 430 | 4375 | 412 | 4325 | 4225 | 3965 | 4375 | 3735 | 417 | 384 |
| | CNT | 9 | 16 | 9 | 18 | 17 | 21 | 23 | 26 | 28 | 23 | 21 | 21 | 21 | 24 | 19 | 26 | 27 | 18 | 24 | 16 | 8 | 6 | 9 | 9 |
| | UQ | | | | 600 | 554 | | | 580 | 554 | | 524 | | 690 | 570 | 475 | 500 | 460 | 486 | 510 | 636 | 460 | 465 | 488 | |
| | LQ | 362 | 350 | 309 | 350 | 382 | 374 | 390 | 389 | 416 | 390 | 372 | 382 | 392 | 390 | 405 | 405 | 370 | 390 | 358 | 360 | 384 | 355 | 352 | 342 |
| h'F | MED | 248 | 2415 | 239 | 2285 | 227 | 2215 | 2245 | 220 | 232 | 215 | 210 | 208 | 208 | 214 | 215 | 218 | 217 | 220 | 229 | 229 | 230 | 250 | 240 | 2385 |
| | CNT | 30 | 30 | 29 | 30 | 29 | 30 | 30 | 28 | 29 | 29 | 27 | 23 | 23 | 25 | 22 | 25 | 27 | 29 | 26 | 26 | 25 | 27 | 30 | 30 |
| | UQ | 253 | 248 | 250 | 240 | 238 | 233 | 230 | 230 | 228 | 228 | 220 | 213 | 215 | 219 | 223 | 220 | 222 | 245 | 239 | 241 | 240 | 258 | 250 | 255 |
| | LQ | 233 | 230 | 228 | 220 | 218 | 217 | 216 | 212 | 207 | 210 | 205 | 204 | 200 | 205 | 210 | 210 | 205 | 209 | 216 | 222 | 221 | 235 | 230 | 225 |
| (M3000)F2 | MED | U 2825 | U 265 | U 2875 | U 280 | U 265 | U 270 | U 260 | U 265 | U 255 | U 2475 | U 265 | U 260 | U 265 | U 265 | U 265 | U 250 | U 265 | U 265 | U 2675 | U 270 | U 2825 | U 280 | U 270 | U 270 |
| | CNT | 20 | 21 | 18 | 22 | 15 | 19 | 27 | 19 | 22 | 20 | 18 | 15 | 13 | 19 | 18 | 23 | 24 | 23 | 24 | 22 | 18 | 21 | 22 | 23 |
| | UQ | 290 | 285 | 300 | 305 | 300 | 295 | 285 | 280 | 275 | 280 | 290 | 280 | 280 | 275 | 275 | 280 | 275 | 280 | 280 | 280 | 295 | 290 | 290 | 280 |
| | LQ | 245 | 240 | 270 | 250 | 255 | | 215 | 245 | 240 | | 230 | | 240 | 230 | 255 | 235 | 245 | 250 | 245 | 250 | 275 | 270 | 250 | 245 |
| foF1 | MED | U 350 | U 360 | U 360 | U 375 | U 400 | U 400 | 420 | 425 | 430 | U 440 | U 450 | 450 | 450 | 450 | 450 | U 440 | U 440 | U 420 | U 410 | 390 | U 380 | | U 370 | U 355 |
| | CNT | 9 | 15 | 8 | 14 | 17 | 19 | 25 | 26 | 26 | 26 | 23 | 22 | 21 | 23 | 22 | 22 | 24 | 19 | 16 | 9 | 5 | 4 | 5 | 8 |
| foE | MED | 230 | 235 | 240 | 250 | 260 | 280 | 2925 | 305 | 310 | 320 | 320 | 330 | 320 | 320 | 315 | 315 | 305 | 2925 | 285 | 270 | 2575 | 245 | 240 | 235 |
| | CNT | 22 | 21 | 24 | 26 | 23 | 25 | 22 | 23 | 25 | 20 | 18 | 17 | 17 | 15 | 13 | 17 | 15 | 16 | 17 | 19 | 18 | 13 | 23 | 18 |
| h'E | MED | 115 | 116 | 110 | 1105 | 110 | 109 | 106 | 106 | 106 | 106 | 105 | 104 | 105 | 105 | 105 | 105 | 106 | 109 | 110 | 109 | 114 | 114 | 116 | 113 |
| | CNT | 27 | 25 | 26 | 28 | 28 | 29 | 29 | 30 | 30 | 27 | 25 | 24 | 21 | 20 | 20 | 25 | 24 | 25 | 26 | 25 | 24 | 24 | 28 | 27 |
| foEs | MED | | | | | | | | | | | 33 | 35 | 485 | 44 | 435 | 345 | 38 | 325 | 37 | 34 | 29 | 27 | | |
| | CNT | 30 | 30 | 30 | 30 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 30 | 30 | 30 | 29 |

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

JUNE, 1960

TABLE 5

AQAK, ALASKA (51.9N, 176.6W

TIME 180.0W

| HOUR | | 00 | 0 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| fo F2 | MED | U 59 | D 515 | 50 | 46 | 50 | 58 | 62 | 64 | 65 | 62 | 625 | 595 | 58 | 565 | 57 | 57 | 59 | 60 | 60 | 64 | 655 | 68 | 68 | 62 |
| | CNT | 27 | 24 | 25 | 26 | 29 | 30 | 30 | 30 | 30 | 29 | 28 | 30 | 30 | 30 | 29 | 30 | 30 | 29 | 29 | 30 | 30 | 30 | 28 | 25 |
| | UD | 64 | 58 | 55 | 50 | 55 | 63 | 66 | 67 | 69 | 70 | 65 | 68 | 67 | 66 | 64 | 63 | 62 | 64 | 65 | 69 | 71 | 73 | 71 | 68 |
| | LQ | 50 | 48 | 45 | 42 | 46 | 54 | 58 | 60 | 60 | 58 | 56 | 55 | 55 | 54 | 55 | 55 | 57 | 58 | 58 | 62 | 62 | 60 | 62 | 58 |
| h' F2 | MED | | | | | 405 | 424 | 420 | 424 | 426 | 444 | 453 | 485 | 4875 | 482 | 4975 | 475 | 435 | 411 | U 371 | U 3095 | | | | |
| | CNT | | | | | 21 | 26 | 29 | 29 | 29 | 28 | 27 | 29 | 30 | 30 | 28 | 29 | 33 | 20 | 9 | 8 | | | | |
| | UD | | | | | 453 | 470 | 485 | 462 | 460 | 510 | 540 | 588 | 572 | 601 | 612 | 562 | 482 | 432 | 395 | 315 | | | | |
| | LQ | | | | | 380 | 380 | 382 | 395 | 381 | 416 | 404 | 402 | 402 | 415 | 426 | 398 | 378 | 377 | 338 | 297 | | | | |
| h' F | MED | 2865 | 293 | 303 | 329 | 288 | U 2585 | 245 | U 243 | U 236 | U 225 | U 220 | U 210 | U 205 | U 205 | U 210 | U 2185 | U 227 | U 240 | E 258 | U 270 | 2715 | 2685 | E 270 | 271 |
| | CNT | 30 | 30 | 29 | 29 | 29 | 28 | 28 | 27 | 25 | 19 | 23 | 25 | 27 | 30 | 29 | 30 | 30 | 28 | 26 | 28 | 30 | 30 | 30 | 30 |
| | UQ | 309 | 315 | 324 | 350 | 302 | 277 | 260 | 256 | 272 | 245 | 250 | 228 | 217 | 215 | 220 | 225 | 235 | 255 | 280 | 280 | 280 | 277 | 285 | 300 |
| | LQ | 270 | 275 | 291 | 308 | 275 | 245 | 238 | 235 | 225 | 220 | 208 | 204 | 200 | 200 | 204 | 210 | 220 | 230 | 249 | 260 | 257 | 257 | 256 | 261 |
| (M3000)F2 | MED | U 270 | 265 | 265 | 2575 | 255 | 250 | 255 | 255 | 260 | 260 | 260 | 255 | 260 | 260 | 255 | 255 | 270 | 270 | 285 | 290 | 290 | 280 | 280 | 275 |
| | CNT | 24 | 22 | 25 | 26 | 29 | 30 | 30 | 30 | 30 | 28 | 27 | 26 | 30 | 30 | 28 | 30 | 30 | 29 | 28 | 30 | 30 | 30 | 27 | 22 |
| | UQ | 275 | 275 | 270 | 260 | 270 | 260 | 265 | 260 | 270 | 265 | 275 | 275 | 270 | 275 | 265 | 275 | 290 | 290 | 300 | 300 | 300 | 290 | 290 | 290 |
| | LQ | 260 | 260 | 260 | 250 | 250 | 240 | 240 | 240 | 250 | 245 | 240 | 245 | 240 | 235 | 240 | 240 | 255 | 265 | 270 | 285 | 290 | 270 | 275 | 260 |
| fo F1 | MED | | | | | 310 | 370 | 410 | 435 | 460 | 480 | 490 | 490 | 500 | 500 | 490 | 480 | 465 | 450 | | | | | | |
| | CNT | | | | | 16 | 24 | 26 | 26 | 26 | 24 | 24 | 26 | 27 | 29 | 27 | 29 | 22 | 17 | 3 | | | | | |
| fo E | MED | | | | | 190 | 240 | 280 | 310 | 335 | 350 | 360 | 365 | 370 | 360 | 360 | 350 | 330 | 300 | 260 | O 2225 | | | | |
| | CNT | | | | | 11 | 17 | 23 | 26 | 28 | 21 | 23 | 21 | 21 | 17 | 17 | 21 | 24 | 26 | 22 | 8 | 2 | | | |
| h' E | MED | | | | | 131 | 109 | 104 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 1025 | 105 | 115 | 135 | | | |
| | CNT | | | | | 25 | 28 | 30 | 30 | 30 | 30 | 28 | 30 | 30 | 30 | 29 | 30 | 30 | 30 | 29 | 28 | 7 | | | |
| fo Es | MED | 225 | 22 | 16 | | 205 | 285 | 34 | 385 | 43 | 475 | 455 | 44 | 42 | 39 | 38 | 36 | 345 | 33 | 365 | 32 | 35 | 345 | 28 | 265 |
| | CNT | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

JUNE, 1960

TABLE 6

BOULDER, COLORADO (40.0N, 105.3W)

TIME 105.0W

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| fo F2 | MED | 55 | 52 | 48 | 45 | 42 | 45 | 50 | 55 | 58 | 65 | 66 | 67 | 67 | 69 | 715 | 71 | 69 | 68 | 68 | 71 | 68 | 645 | 59 | 56 |
| | CNT | 24 | 24 | 26 | 23 | 25 | 27 | 26 | 26 | 27 | 26 | 26 | 26 | 25 | 27 | 26 | 26 | 27 | 27 | 27 | 27 | 27 | 26 | 24 | 24 |
| | UQ | 57 | 56 | 54 | 54 | 48 | 55 | 61 | 66 | 71 | 77 | 77 | 76 | 78 | 76 | 77 | 77 | 76 | 78 | 77 | 80 | 74 | 72 | 64 | 60 |
| | LQ | 52 | 49 | 45 | 42 | 36 | 40 | 45 | 49 | 53 | 58 | 58 | 60 | 60 | 63 | 62 | 62 | 62 | 64 | 64 | 65 | 63 | 62 | 56 | 52 |
| h' F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UD | | | | | | | | | | | | | | | | | | | | | | | | |
| | LD | | | | | | | | | | | | | | | | | | | | | | | | |
| h' F | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 265 | 265 | 260 | 2675 | 270 | 285 | 270 | 255 | 250 | 250 | 260 | 260 | 255 | 255 | 265 | 2675 | 270 | 280 | 280 | 290 | 290 | 275 | 275 | 270 |
| | CNT | 23 | 23 | 24 | 22 | 23 | 25 | 26 | 25 | 26 | 26 | 25 | 25 | 23 | 26 | 26 | 26 | 26 | 27 | 27 | 27 | 25 | 25 | 24 | 22 |
| | UQ | 265 | 270 | 270 | 275 | 275 | 300 | 280 | 270 | 275 | 265 | 270 | 270 | 265 | 270 | 275 | 275 | 280 | 285 | 290 | 300 | 295 | 290 | 280 | 270 |
| | LQ | 250 | 260 | 250 | 255 | 265 | 260 | 240 | 230 | 235 | 235 | 240 | 240 | 245 | 245 | 250 | 260 | 260 | 270 | 280 | 285 | 285 | 270 | 255 | 245 |
| fo F1 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| fo E | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| h' E | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| fo Es | MED | | | | | | 215 | 29 | 33 | 36 | 38 | 43 | 42 | 42 | 43 | 43 | 395 | 37 | 31 | 30 | 26 | 35 | 29 | 26 | 27 |
| | CNT | 28 | 28 | 28 | 25 | 27 | 26 | 26 | 26 | 28 | 27 | 27 | 27 | 26 | 27 | 27 | 26 | 27 | 27 | 27 | 27 | 27 | 26 | 27 | 27 |

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

JUNE, 1960

TABLE 7

POLE STATION (90.0S)

TIME 0.0

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| fo F2 | MED | U | U | U | U | U | U | U | U | U 325 | U | U | U | U | U 455 | U 43 | U 33 | U 42 | U 44 | U 28 | U 39 | U 33 | U 37 | U 32 | U 42 | U 375 |
| | CNT | 9 | 15 | 17 | 11 | 15 | 14 | 6 | 11 | 6 | 10 | 10 | 5 | 8 | 13 | 6 | 6 | 5 | 10 | 3 | 6 | 5 | 3 | 6 | 6 |
| | UQ | 46 | 43 | 45 | 47 | 53 | 49 | 46 | 47 | 38 | 44 | 48 | 55 | 47 | 48 | 37 | 43 | 45 | 37 | 39 | 35 | 44 | 36 | 50 | 42 |
| | LQ | 30 | 33 | 38 | 38 | 39 | 37 | 41 | 35 | 28 | 34 | 38 | 44 | 39 | 32 | 28 | 30 | 42 | 25 | 18 | 25 | 29 | 25 | 32 | 25 |
| h' F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UD | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h' F | MED | 265 | 245 | 270 | 255 | 255 | 240 | 280 | 290 | 310 | U 300 | 270 | 265 | U 2725 | 2825 | U 295 | 2775 | 285 | 320 | U 275 | U 255 | U 255 | 240 | 240 | U 255 |
| | CNT | 23 | 25 | 29 | 27 | 23 | 27 | 21 | 24 | 21 | 17 | 17 | 11 | 14 | 14 | 13 | 14 | 12 | 13 | 9 | 17 | 15 | 15 | 14 | 11 |
| | UQ | 300 | 270 | 300 | 270 | 285 | 315 | 300 | 335 | 175 | 330 | 305 | 245 | 300 | 330 | 320 | 315 | 295 | 340 | 320 | 330 | 300 | 300 | 260 | 285 |
| | LQ | 240 | 230 | 240 | 220 | 235 | 225 | 235 | 230 | 250 | 250 | 250 | 250 | 250 | 255 | 260 | 260 | 250 | 270 | 230 | 210 | 290 | 320 | 220 | 230 |
| (M3000)F2 | MED | U 285 | U 285 | U 280 | U 280 | U 2775 | U 290 | U 285 | U 286 | U 270 | U 275 | U 300 | | U 3025 | U 295 | U 315 | U 325 | | U 2925 | | | | | | |
| | CNT | 9 | 12 | 13 | 9 | 14 | 13 | 6 | 9 | 5 | 5 | 8 | 4 | 8 | 13 | 5 | 5 | 3 | 6 | 3 | 3 | 4 | 2 | 4 | 4 |
| | UQ | 305 | 300 | 295 | 315 | 300 | 300 | 320 | 300 | 290 | 280 | 300 | | 315 | 325 | 330 | 340 | | 310 | | | | | | |
| | LQ | 270 | 270 | 265 | 270 | 260 | 260 | 275 | 260 | 250 | 250 | 300 | | 294 | 290 | 310 | 305 | | 285 | | | | | | |
| fo F1 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| fo E | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| h' E | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| fo Es | MED | 20 | 20 | 215 | 195 | 255 | 13 | 145 | 20 | 22 | 27 | 28 | 30 | 30 | 35 | 30 | 27 | 245 | 22 | 25 | 24 | 265 | 275 | 23 | 265 |
| | CNT | 28 | 27 | 30 | 28 | 28 | 29 | 26 | 30 | 28 | 26 | 26 | 22 | 23 | 25 | 25 | 27 | 24 | 28 | 28 | 30 | 30 | 30 | 29 | 30 |

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

JUNE, 1960

TABLE 8

THULE, GREENLAND (76.6N, 68.7W)

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| fo F2 | MED | U 53 | U 525 | U 55 | U 56 | U 54 | U 54 | U 52 | U 45 | U 505 | U 535 | U 52 | U 525 | U 52 | U 50 | U 58 | U 545 | U 58 | U 60 | U 60 | U 535 | U 53 | U 54 | U 53 | U 53 |
| | CNT | 21 | 24 | 20 | 18 | 19 | 15 | 19 | 17 | 16 | 12 | 8 | 16 | 13 | 14 | 13 | 14 | 15 | 20 | 17 | 26 | 19 | 21 | 24 | 20 |
| | UQ | 62 | 60 | 58 | 60 | 58 | 59 | 56 | 57 | 60 | 58 | 60 | 62 | 58 | 58 | 64 | 59 | 63 | 62 | 63 | 62 | 57 | 63 | 58 | 60 |
| | LD | 42 | 44 | 45 | 48 | 46 | 37 | 40 | 40 | 44 | 51 | 44 | 42 | 44 | 44 | 52 | 44 | 43 | 55 | 50 | 50 | 45 | 50 | 48 | 50 |
| h' F2 | MED | | G | U | U | U 350 | U 351 | U 419 | U 502 | U 463 | U 4105 | U 414 | U 445 | U 470 | U 530 | U 440 | U 419 | U 386 | U 359 | U 380 | U 3445 | U 372 | U 410 | U 370 | |
| | CNT | 4 | 5 | 6 | 9 | 13 | 20 | 22 | 20 | 21 | 18 | 17 | 21 | 17 | 15 | 19 | 21 | 22 | 20 | 17 | 18 | 9 | 5 | 9 | 3 |
| | UQ | | | 689 | | 455 | 580 | | | 582 | 440 | 715 | | | | 485 | 588 | 490 | 422 | 435 | 367 | | | | |
| | LQ | | 364 | 360 | 316 | 289 | 310 | 343 | 363 | 352 | 335 | 334 | 351 | 365 | 377 | 367 | 384 | 354 | 324 | 318 | 313 | 329 | 339 | 305 | |
| h' F | MED | 255 | 251 | 240 | 236 | 229 | 228 | 224 | 2225 | 2195 | 210 | 214 | 217 | 210 | 213 | 211 | 220 | 219 | 2225 | 235 | 238 | E 248 | 249 | 250 | 250 |
| | CNT | 27 | 26 | 27 | 27 | 25 | 26 | 25 | 26 | 26 | 21 | 23 | 23 | 18 | 19 | 18 | 22 | 20 | 22 | 23 | 23 | 26 | 26 | 28 | 28 |
| | UD | 263 | 260 | 249 | 243 | 240 | 238 | 230 | 235 | 227 | 220 | 225 | 225 | 215 | 220 | 220 | 229 | 226 | 240 | 240 | 242 | 260 | 260 | 264 | 259 |
| | LD | 246 | 242 | 231 | 230 | 222 | 215 | 218 | 210 | 210 | 206 | 200 | 207 | 203 | 205 | 205 | 214 | 211 | 220 | 225 | 225 | 238 | 240 | 240 | 240 |
| (M3000)F2 | MED | U 280 | U 300 | U 285 | U 290 | U 275 | U 285 | U 270 | G | U 255 | U 275 | G | 240 | G | U 240 | U 275 | U 265 | U 270 | U 2825 | U 285 | U 280 | U 2825 | U 290 | U 290 | U 295 |
| | CNT | 18 | 19 | 15 | 14 | 17 | 15 | 17 | 16 | 13 | 9 | 7 | 13 | 10 | 13 | 10 | 11 | 14 | 16 | 17 | 23 | 16 | 20 | 22 | 20 |
| | UQ | 295 | 310 | 310 | 295 | 300 | 300 | 290 | 285 | 290 | 290 | 275 | 285 | 270 | 270 | 300 | 280 | 290 | 290 | 290 | 290 | 290 | 300 | 295 | 300 |
| | LQ | 270 | 260 | 275 | 275 | 270 | | | | | 250 | | | | | 240 | | 230 | 270 | 265 | 270 | 255 | 280 | 270 | 280 |
| fo F1 | MED | | | | U 360 | U 360 | U 370 | U 400 | U 410 | U 420 | U 440 | U 440 | U 440 | U 440 | U 440 | U 440 | U 425 | U 410 | U 405 | U 400 | U 370 | U 350 | U 340 | | |
| | CNT | 3 | 4 | 4 | 7 | 6 | 13 | 17 | 19 | 17 | 16 | 18 | 19 | 16 | 16 | 17 | 18 | 15 | 14 | 11 | 6 | 5 | 5 | 2 | 3 |
| fo E | MED | 215 | 2175 | 2225 | 240 | 250 | 260 | 280 | 290 | 300 | 305 | 310 | 3175 | 320 | 320 | 310 | 300 | 2925 | 285 | 270 | 255 | 245 | 2275 | 215 | 215 |
| | CNT | 15 | 20 | 18 | 19 | 19 | 16 | 20 | 17 | 18 | 17 | 14 | 16 | 15 | 21 | 16 | 15 | 14 | 11 | 13 | 12 | 10 | 12 | 11 | 13 |
| h' E | MED | U 1215 | 120 | 1175 | 116 | 110 | 1095 | 109 | 105 | 105 | 105 | 105 | 1025 | 105 | 105 | 105 | 108 | 105 | 110 | 109 | 1105 | 113 | 112 | 116 | 120 |
| | CNT | 16 | 20 | 20 | 22 | 21 | 22 | 22 | 21 | 23 | 21 | 20 | 22 | 20 | 21 | 19 | 19 | 19 | 16 | 15 | 18 | 17 | 18 | 18 | 19 |
| fo Es | MED | | | | | 26 | 26 | 27 | 27 | 27 | 26 | 27 | 33 | | | 37 | 325 | 34 | 31 | 36 | 29 | 27 | | | |
| | CNT | 27 | 27 | 28 | 28 | 26 | 26 | 27 | 27 | 27 | 26 | 27 | 27 | 28 | 27 | 27 | 26 | 25 | 27 | 26 | 28 | 28 | 27 | 30 | 28 |

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

MAY, 1960

TABLE 9

GODHAVN, GREENLAND (69.3N, 53.5W) TIME 45.0W

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | U 495 | U 42 | U 48 | U 455 | 44 | 45 | 48 | D 445 | U 48 | U 50 | U 57 | U 61 | U 65 | U 60 | U 59 | U 60 | 60 | 545 | 56 | 535 | 52 | U 55 | 495 | U 50 |
| | CNT | 22 | 15 | 16 | 16 | 11 | 17 | 15 | 12 | 9 | 11 | 14 | 15 | 15 | 15 | 15 | 13 | 18 | 16 | 18 | 24 | 25 | 23 | 20 | 23 |
| | UQ | 55 | 52 | 51 | 53 | 48 | 47 | 50 | 50 | 54 | 54 | 60 | 63 | 67 | 64 | 65 | 66 | 66 | 60 | 63 | 62 | 60 | 62 | 56 | 53 |
| | LQ | 37 | 37 | 40 | 40 | 42 | 40 | 37 | 42 | 42 | 50 | 55 | 56 | 56 | 56 | 52 | 50 | 54 | 51 | 50 | 50 | 48 | 51 | 45 | 42 |
| h'F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 285 | 280 | 2825 | 2775 | U 295 | 2775 | G | G | | U 2525 | 2825 | U 270 | 2725 | U 270 | U 245 | U 280 | 270 | 275 | 2825 | 275 | 290 | 285 | 2925 | 285 |
| | CNT | 19 | 11 | 12 | 10 | 7 | 12 | 10 | 8 | 4 | 6 | 12 | 9 | 10 | 13 | 9 | 9 | 14 | 15 | 12 | 16 | 18 | 13 | 14 | 19 |
| | UQ | 290 | 285 | 290 | 290 | 300 | 290 | 290 | 255 | | 260 | 290 | 285 | 290 | 280 | 260 | 290 | 285 | 290 | 290 | 290 | 300 | 305 | 295 | 300 |
| | LQ | 275 | 270 | 260 | 250 | 235 | | | | | 240 | 260 | 250 | 260 | 260 | 220 | | 260 | 250 | 265 | 270 | 280 | 280 | 290 | 280 |
| foF1 | MED | | | | | 330 | 350 | 370 | 400 | U 420 | 445 | 455 | 450 | 440 | U 460 | 460 | 450 | 440 | 430 | 405 | 395 | 355 | | | |
| | CNT | | 1 | 3 | 2 | 5 | 9 | 11 | 14 | 12 | 12 | 8 | 11 | 7 | 13 | 12 | 9 | 10 | 11 | 12 | 8 | 6 | 1 | 1 | 1 |
| foE | MED | | | | | | | | | | | | U 325 | | | | | U 310 | 300 | | 270 | | | | |
| | CNT | 3 | 2 | 200 5 | 1975 6 | 220 6 | 235 7 | 275 7 | 2875 10 | 300 8 | 3125 8 | 330 8 | 6 | 3 | 320 7 | 330 11 | 310 7 | 6 | 5 | 4 | 5 | 3 | 2 | 3 | 3 |
| h'E | MED | | | | E 143 | E 117 | 113 | 109 | 105 | 105 | 106 | 104 | U 103 | 103 | 103 | 102 | 101 | U 106 | 109 | U 109 | U 117 | | | | |
| | CNT | 3 | 2 | 4 | 8 | 11 | 13 | 15 | 15 | 13 | 14 | 14 | 13 | 13 | 10 | 12 | 13 | 8 | 11 | 10 | 11 | 4 | 2 | 3 | 2 |
| foEs | MED | | | | | | | | | | | | | | | | | 33 | 415 | 30 | 33 | | | | |
| | CNT | 26 | 25 | 25 | 24 | 25 | 23 | 21 | 21 | 16 | 17 | 18 | 19 | 19 | 19 | 22 | 22 | 23 | 24 | 23 | 25 | 25 | 26 | 25 | 25 |

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

TABLE 10

FAIRBANKS, ALASKA (64.9N, 147.8W) TIME 150.0W

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | U 43 | U 405 | U 46 | U 42 | 49 | U 46 | U 515 | 48 | 48 | 495 | 485 | 52 | 48 | 50 | 51 | 52 | 535 | 55 | 55 | 535 | 52 | U 445 | U 45 | U 46 |
| | CNT | 15 | 16 | 14 | 12 | 12 | 16 | 14 | 19 | 20 | 22 | 22 | 22 | 23 | 25 | 22 | 21 | 22 | 25 | 23 | 22 | 22 | 22 | 21 | 18 |
| | UQ | 47 | 45 | 55 | 48 | 52 | 54 | 57 | 57 | 56 | 55 | 57 | 57 | 57 | 56 | 56 | 57 | 58 | 59 | 58 | 57 | 56 | 54 | 49 | 50 |
| | LQ | 38 | 36 | 40 | 40 | 38 | 41 | 44 | 43 | 41 | 38 | 43 | 45 | 46 | 46 | 48 | 47 | 48 | 48 | 50 | 50 | 49 | 40 | 38 | 34 |
| h'F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | U 270 | U 265 | U 270 | U 260 | 260 | U 245 | U 2575 | 240 | 240 | 240 | 240 | 250 | 250 | 2575 | 260 | 265 | 265 | 270 | 2775 | 285 | 290 | U 290 | U 290 | U 270 |
| | CNT | 14 | 15 | 13 | 12 | 10 | 16 | 14 | 18 | 20 | 21 | 22 | 22 | 23 | 24 | 22 | 21 | 21 | 22 | 22 | 22 | 22 | 21 | 19 | 17 |
| | UQ | 280 | 275 | 275 | 270 | 270 | 260 | 265 | 255 | 250 | 260 | 255 | 260 | 260 | 260 | 270 | 280 | 275 | 295 | 295 | 295 | 300 | 300 | 300 | 290 |
| | LQ | 265 | 255 | 260 | 250 | 230 | 235 | 235 | 220 | 230 | | 230 | 240 | 240 | 235 | 240 | 250 | 250 | 265 | 270 | 280 | 280 | 270 | 270 | 260 |
| foF1 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| foE | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| h'E | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| foEs | MED | 39 | 37 | 33 | 285 | 425 | 35 | 33 | 205 | | | | | | | | | | | 21 | 22 | 19 | 21 | 24 | 31 |
| | CNT | 29 | 28 | 27 | 22 | 24 | 25 | 22 | 26 | 23 | 24 | 23 | 23 | 24 | 26 | 22 | 22 | 19 | 26 | 25 | 23 | 25 | 25 | 26 | 26 |

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

TABLE 11

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

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | U 49 | 40 | D 42 | 45 | 47 | 48 | 49 | 525 | 57 | 60 | 61 | 655 | 66 | 66 | 69 | 70 | 695 | 64 | 605 | 65 | 57 | 52 | U 49 | U 475 |
| | CNT | 10 | 11 | 10 | 11 | 12 | 18 | 19 | 20 | 23 | 23 | 26 | 26 | 26 | 27 | 28 | 27 | 26 | 27 | 26 | 25 | 23 | 22 | 21 | 10 |
| | UQ | 59 | 47 | 54 | 57 | 53 | 56 | 57 | 62 | 65 | 67 | 71 | 70 | 70 | 71 | 72 | 73 | 73 | 72 | 69 | 71 | 64 | 58 | 54 | 50 |
| | LQ | 43 | 38 | 39 | 40 | 40 | 43 | 45 | 48 | 50 | 51 | 53 | 55 | 55 | 58 | 57 | 57 | 59 | 56 | 55 | 53 | 49 | 47 | 44 | 43 |
| h'F2 | MED | | | | | U | U | U | U | 455 | 375 | 360 | 400 | 375 | 360 | 400 | 410 | 360 | 380 | U 410 | U 440 | | | | |
| | CNT | | | | | 2 | 5 | 400 7 | 450 8 | 14 | 14 | 21 | 21 | 22 | 24 | 21 | 22 | 22 | 15 | 7 | 5 | 2 | | | |
| | UQ | | | | | | | 715 | 470 | 560 | 500 | 510 | 470 | 460 | 465 | 475 | 450 | 450 | 450 | 520 | 460 | | | | |
| | LQ | | | | | | 330 | 340 | 340 | 340 | 330 | 315 | 345 | 330 | 335 | 340 | 340 | 310 | 315 | 400 | 330 | | | | |
| h'F | MED | | E | | | U | U | | | 230 | 230 | 230 | 220 | 220 | 220 | 220 | 230 | 230 | E 250 | 255 | 2825 | 300 | 330 | U 345 | 330 |
| | CNT | 340 11 | 360 10 | 360 11 | 350 11 | 3175 12 | 290 17 | 260 19 | 240 19 | 20 | 18 | 21 | 23 | 24 | 25 | 24 | 25 | 22 | 27 | 24 | 22 | 17 | 17 | 21 | 12 |
| | UQ | 350 | 400 | 400 | 370 | 350 | 310 | 270 | 260 | 250 | 240 | 245 | 235 | 230 | 240 | 230 | 240 | 240 | 280 | 290 | 310 | 330 | 350 | 375 | 365 |
| | LQ | 310 | 320 | 330 | 300 | 295 | 265 | 240 | 230 | 220 | 220 | 220 | 210 | 210 | 220 | 220 | 220 | 220 | 230 | 240 | 240 | 270 | 310 | 300 | 305 |
| (M3000)F2 | MED | 275 | U 270 | U 265 | 275 | 2825 | 280 | 285 | 290 | 290 | 290 | 280 | 275 | 280 | 285 | 275 | 280 | 2875 | 295 | 290 | 300 | 2925 | 290 | U 285 | U 280 |
| | CNT | 10 | 7 | 8 | 11 | 12 | 17 | 18 | 19 | 21 | 17 | 23 | 25 | 25 | 26 | 26 | 27 | 26 | 27 | 25 | 22 | 20 | 15 | 17 | 9 |
| | UQ | 280 | 275 | 280 | 285 | 290 | 285 | 295 | 305 | 300 | 300 | 300 | 295 | 290 | 290 | 290 | 290 | 295 | 300 | 300 | 305 | 300 | 300 | 295 | 290 |
| | LQ | 270 | 265 | 265 | 260 | 270 | 270 | 255 | 260 | 250 | 250 | 260 | 260 | 260 | 260 | 270 | 265 | 265 | 275 | 280 | 290 | 285 | 270 | 270 | 270 |
| foF1 | MED | | | | | | | 390 | 430 | 435 | 460 | 470 | 475 | 480 | 470 | 480 | 470 | U 460 | 445 | U 420 | | | | | |
| | CNT | | | | | 1 | 4 | 7 | 10 | 12 | 12 | 16 | 18 | 20 | 21 | 17 | 18 | 15 | 12 | 5 | 2 | | | | |
| foE | MED | | | | 240 | | | 260 | 280 | 305 | 320 | 330 | 340 | 340 | 340 | 340 | 330 | 310 | 300 | 285 | 270 | 320 | U 280 | | |
| | CNT | | | 1 | 5 | 1 | 4 | 9 | 11 | 14 | 15 | 16 | 18 | 17 | 17 | 16 | 16 | 17 | 12 | 12 | 9 | 9 | 10 | 4 | 1 |
| h'E | MED | | | | | | | U 111 | 115 | 110 | 111 | 109 | 107 | 109 | 109 | 109 | 109 | 110 | 111 | 111 | U 125 | 125 | E 131 | | |
| | CNT | | 1 | 2 | 4 | 4 | 4 | 9 | 11 | 14 | 15 | 16 | 18 | 18 | 17 | 17 | 16 | 18 | 14 | 13 | 9 | 11 | 7 | 4 | 1 |
| foEs | MED | 365 | 365 | 335 | | | | | | | | | | | | | | | | | | | | | 35 |
| | CNT | 22 | 24 | 20 | 16 | 15 | 19 | 19 | 20 | 21 | 19 | 25 | 25 | 25 | 26 | 26 | 27 | 27 | 27 | 26 | 26 | 23 | 22 | 23 | 20 |

SWEEP 1.0 MC TO 25.0 MC IN 16.2 SECONDS. MAY, 1960

TABLE 12

ANCHORAGE, ALASKA (61.2N, 149.9W) TIME 150.0W

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | U 41 | U 41 | U 41 | U 44 | 465 | 50 | 54 | 58 | U 58 | D 555 | 60 | 68 | U 59 | 585 | 60 | 61 | 59 | 585 | 595 | 60 | 60 | 58 | U 53 | U 45 |
| | CNT | 24 | 26 | 26 | 24 | 22 | 21 | 24 | 24 | 23 | 20 | 15 | 19 | 15 | 20 | 20 | 21 | 25 | 28 | 28 | 27 | 28 | 27 | 27 | 27 |
| | UQ | 46 | 46 | 45 | 49 | 52 | 52 | 58 | 60 | 62 | 62 | 62 | 63 | 67 | 66 | 66 | 64 | 63 | 64 | 66 | 63 | 64 | 62 | 60 | 52 |
| | LQ | 33 | 34 | 35 | 38 | 42 | 45 | 46 | 46 | 50 | 53 | 55 | 54 | 50 | 52 | 56 | 55 | 56 | 55 | 54 | 55 | 54 | 50 | 41 | 34 |
| h'F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | U 260 | U 260 | U 260 | U 265 | 260 | 255 | 250 | U 255 | 250 | 245 | 260 | 260 | 255 | 255 | 265 | 2625 | 270 | 280 | 280 | 290 | 290 | 290 | U 270 | U 270 |
| | CNT | 24 | 25 | 26 | 23 | 21 | 19 | 21 | 21 | 18 | 18 | 15 | 16 | 13 | 17 | 17 | 18 | 23 | 25 | 28 | 25 | 28 | 27 | 27 | 27 |
| | UQ | 270 | 270 | 265 | 270 | 265 | 265 | 260 | 260 | 265 | 265 | 270 | 260 | 270 | 270 | 280 | 270 | 280 | 290 | 290 | 300 | 300 | 300 | 290 | 275 |
| | LQ | 245 | 250 | 245 | 250 | 245 | 225 | 235 | 230 | 235 | 235 | 235 | 255 | 230 | 235 | 240 | 250 | 255 | 260 | 270 | 280 | 280 | 280 | 275 | 250 |
| foF1 | MED | | | | | | 350 | 370 | 400 | 420 | 430 | U 450 | 450 | U 460 | U 460 | 460 | 450 | 450 | 430 | | | | | | |
| | CNT | | | | | 2 | 22 | 26 | 27 | 26 | 25 | 21 | 23 | 20 | 24 | 25 | 18 | 15 | 6 | 2 | | | | | |
| foE | MED | | | | | 200 | 230 | 260 | 290 | 300 | 315 | U 330 | 345 | 340 | U 340 | 335 | 3225 | U 300 | 285 | U 260 | U 220 | 200 | | | |
| | CNT | | | | 4 | 9 | 15 | 19 | 17 | 21 | 16 | 11 | 12 | 9 | 10 | 12 | 8 | 16 | 19 | 19 | 9 | 7 | 2 | | |
| h'E | MED | | | E 147 | | U 129 | 121 | 113 | 109 | 105 | 105 | 105 | 105 | 105 | 107 | 106 | 107 | 109 | 111 | 113 | 121 | 131 | | | |
| | CNT | | | 5 | | 10 | 19 | 23 | 24 | 25 | 25 | 21 | 22 | 19 | 21 | 20 | 20 | 24 | 26 | 25 | 21 | 15 | 2 | | |
| foEs | MED | 23 | 21 | 24 | 225 | 225 | | | | | | | | | | | | | | 27 | D 245 | 25 | 20 | 16 | 20 |
| | CNT | 29 | 29 | 27 | 26 | 24 | 27 | 27 | 28 | 26 | 25 | 23 | 23 | 23 | 25 | 25 | 24 | 28 | 27 | 27 | 26 | 29 | 29 | 29 | 29 |

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

TABLE 13

NARSSARSSUAQ, GREENLAND (61.2N, 45.4W)

TIME 45.0W

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | U 41 | U 40 | U 44 | U 40 | 43 | 455 | 48 | 52 | 54 | 565 | 59 | 63 | 64 | 65 | 68 | 655 | 68 | 62 | 60 | 55 | U 525 | U 50 | U 48 | U 42 |
| | CNT | 13 | 19 | 12 | 13 | 20 | 18 | 20 | 24 | 28 | 30 | 28 | 29 | 29 | 29 | 29 | 28 | 25 | 25 | 27 | 23 | 22 | 16 | 15 | 12 |
| | UQ | 45 | 50 | 48 | 46 | 46 | 50 | 53 | 56 | 59 | 63 | 68 | 68 | 71 | 73 | 73 | 71 | 73 | 72 | 69 | 65 | 60 | 58 | 52 | 50 |
| | LQ | 34 | 34 | 40 | 36 | 38 | 42 | 45 | 46 | 47 | 50 | 53 | 54 | 56 | 56 | 56 | 58 | 56 | 56 | 54 | 48 | 47 | 45 | 41 | 36 |
| h'F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | U 260 | U 2575 | U 270 | U 275 | 275 | 2775 | 285 | 265 | 270 | 275 | 265 | 270 | 265 | 265 | 275 | 275 | 275 | 280 | 285 | 285 | U 280 | U 2825 | U 275 | U 270 |
| | CNT | 11 | 14 | 10 | 11 | 19 | 16 | 17 | 23 | 27 | 28 | 27 | 27 | 29 | 28 | 29 | 26 | 24 | 24 | 25 | 21 | 21 | 16 | 12 | 9 |
| | UQ | 265 | 265 | 280 | 285 | 290 | 290 | 300 | 290 | 295 | 295 | 295 | 285 | 280 | 280 | 285 | 280 | 285 | 290 | 290 | 290 | 290 | 290 | 280 | 275 |
| | LQ | 260 | 255 | 255 | 260 | 260 | 260 | 260 | 255 | 235 | 220 | 235 | 245 | 250 | 240 | 250 | 270 | 245 | 270 | 270 | 275 | 275 | 270 | 260 | 260 |
| foF1 | MED | | | | | | | | 440 | 440 | 460 | 460 | 480 | 480 | 470 | 480 | 470 | 450 | | | | | | | |
| | CNT | | | | | | 3 | 4 | 9 | 15 | 17 | 18 | 18 | 18 | 17 | 18 | 17 | 12 | 4 | 1 | 3 | | | | |
| foE | MED | | | | | U 240 | U 240 | 3025 | 300 | 320 | 3375 | 350 | 350 | 355 | 3425 | 340 | 330 | 320 | 300 | 300 | U 290 | 290 | | | |
| | CNT | 1 | | | 3 | 5 | 5 | 10 | 11 | 16 | 20 | 19 | 19 | 22 | 18 | 19 | 18 | 19 | 15 | 16 | 10 | 6 | 4 | | |
| h'E | MED | | | | U 111 | U 125 | U | 107 | 107 | 105 | 103 | 103 | 101 | 103 | 101 | 103 | 103 | 105 | 105 | 107 | 116 | U 127 | 124 | | |
| | CNT | 2 | | | 9 | 7 | 6 | 11 | 14 | 18 | 25 | 23 | 22 | 25 | 27 | 25 | 23 | 23 | 22 | 19 | 18 | 13 | 6 | 1 | |
| foEs | MED | 33 | 31 | 33 | 31 | 34 | 41 | | | | | | | | | | | | 34 | 31 | 34 | | 305 | 39 | 35 |
| | CNT | 30 | 30 | 29 | 28 | 26 | 25 | 23 | 25 | 29 | 29 | 27 | 28 | 29 | 28 | 29 | 29 | 29 | 29 | 29 | 27 | 28 | 28 | 29 | 30 |

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

MAY, 1960

TABLE 14

GRAND BAHAMA I. (26.6N, 78.2W)

TIME 75.0W

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | D 70 | 69 | 65 | 62 | 60 | 575 | 67 | 70 | 77 | 80 | 84 | 90 | 97 | 102 | 102 | 98 | 94 | 91 | Q 91 | 88 | 81 | 73 | 71 | 70 |
| | CNT | 28 | 29 | 28 | 29 | 29 | 30 | 30 | 31 | 31 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 31 | 31 | 30 | 30 | 30 |
| | UQ | 76 | 74 | 68 | 67 | 64 | 61 | 71 | 78 | 84 | 89 | 95 | 100 | 104 | 110 | 111 | 109 | 104 | 103 | 98 | 92 | 87 | 78 | 75 | 75 |
| | LQ | 64 | 62 | 57 | 56 | 55 | 54 | 58 | 65 | 70 | 64 | 67 | 70 | 75 | 73 | 79 | 75 | 75 | 75 | 71 | 75 | 70 | 67 | 64 | 64 |
| h'F2 | MED | | | | | | U 370 | 360 | | 360 | 390 | 340 | 355 | 350 | 340 | 340 | 330 | 3175 | 305 | | | | | | |
| | CNT | | | | | | 5 | 10 | | 14 | 17 | 27 | 28 | 30 | 31 | 31 | 31 | 28 | 22 | 3 | | | | | |
| | UQ | | | | | | 475 | 380 | | 470 | 420 | 450 | 460 | 400 | 375 | 390 | 360 | 346 | 330 | | | | | | |
| | LQ | | | | | | 324 | 255 | | 310 | 306 | 323 | 336 | 340 | 325 | 320 | 309 | 305 | 279 | | | | | | |
| h'F | MED | 263 | 270 | 266 | 272 | 275 | 2725 | 240 | E 234 | 218 | 215 | 210 | 2175 | 215 | 220 | 2315 | 230 | 230 | U 232 | 250 | 250 | U 240 | 260 | E 285 | 300 |
| | CNT | 29 | 29 | 29 | 29 | 29 | 30 | 31 | 30 | 31 | 29 | 31 | 30 | 31 | 31 | 30 | 29 | 30 | 29 | 30 | 31 | 31 | 30 | 30 | 30 |
| | UQ | 300 | 300 | 291 | 288 | 290 | 300 | 260 | 240 | 220 | 230 | 217 | 230 | 230 | 230 | 242 | 240 | 230 | 250 | 260 | 260 | 260 | 275 | 300 | 310 |
| | LQ | 270 | 255 | 260 | 267 | 260 | 255 | 240 | 229 | 210 | 204 | 200 | 200 | 201 | 210 | 220 | 220 | 220 | 222 | 250 | 240 | 240 | 249 | 273 | 280 |
| (M3000)F2 | MED | 270 | 275 | 275 | 275 | 275 | 280 | 300 | 300 | 285 | 275 | 270 | 265 | 270 | 270 | 270 | 275 | 285 | 280 | 290 | 285 | 2775 | 275 | 2675 | 265 |
| | CNT | 26 | 29 | 28 | 29 | 29 | 29 | 30 | 31 | 31 | 30 | 29 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 28 | 29 | 30 | 30 | 30 | 30 |
| | UQ | 280 | 280 | 280 | 290 | 290 | 290 | 320 | 320 | 295 | 285 | 285 | 280 | 275 | 275 | 280 | 285 | 290 | 290 | 295 | 290 | 285 | 280 | 275 | 270 |
| | LQ | 265 | 270 | 265 | 260 | 270 | 265 | 280 | 280 | 260 | 260 | 250 | 255 | 260 | 260 | 260 | 270 | 275 | 275 | 280 | 275 | 270 | 270 | 260 | 260 |
| foF1 | MED | | | | | | | | E 405 | 470 | 500 | 515 | 530 | 530 | 540 | 520 | 510 | 470 | | | | | | | |
| | CNT | | | | | | | 4 | 6 | 11 | 14 | 20 | 23 | 27 | 28 | 25 | 17 | 12 | 3 | | | | | | |
| foE | MED | | | | | | | 215 | 280 | 320 | 350 | 380 | 3925 | 400 | 400 | 385 | 370 | 340 | 300 | 235 | | | | | |
| | CNT | | | | | | | 11 | 12 | 12 | 10 | 15 | 10 | 21 | 24 | 25 | 24 | 21 | 18 | 9 | | | | | |
| h'E | MED | | | | | | | 120 | 110 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 110 | 113 | | | | | |
| | CNT | | | | | | 1 | 23 | 31 | 31 | 30 | 29 | 30 | 31 | 30 | 31 | 31 | 30 | 29 | 23 | 2 | | | | |
| foEs | MED | 30 | 745 | 22 | 26 | 23 | 22 | 25 | 33 | 36 | 43 | 40 | 42 | 41 | 42 | 41 | 40 | 37 | 33 | 30 | 30 | 32 | 265 | 29 | 295 |
| | CNT | 29 | 30 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 31 | 31 | 30 | 30 | 30 |

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

MAY, 1960

TABLE 15

BAGUIO, P. I. (16.4N, 120.6E)

TIME 120.0E

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | D 102 | D 100 | D 90 | 77 | 68 | 58 | 705 | 89 | 98 | D 100 | U 105 | U 110 | Q 1065 | Q 110 | Q 110 | D 110 | Q 110 | D 100 | D 100 | D 100 | 100 | 98 | 96 | 100 |
| | CNT | 27 | 29 | 25 | 28 | 27 | 27 | 30 | 31 | 31 | 30 | 29 | 30 | 30 | 31 | 30 | 30 | 30 | 30 | 30 | 30 | 25 | 23 | 21 | 19 |
| | UQ | 114 | 113 | 95 | 88 | 80 | 68 | 75 | 93 | 100 | 105 | 110 | 111 | 116 | 120 | 117 | 115 | 118 | 110 | 110 | 105 | 100 | 104 | 102 | 107 |
| | LQ | 90 | 91 | 84 | 62 | 53 | 48 | 66 | 84 | 93 | 99 | 100 | 104 | 103 | 106 | 100 | 100 | 100 | 100 | 94 | 95 | 90 | 90 | 90 | 90 |
| h F2 | MED | | | | | | | | | | | | | U 380 | U 370 | | E 3725 | U 4375 | | | | | | | |
| | CNT | | | | | | | | | 1 | 1 | | 1 | 5 | 7 | 4 | 6 | 6 | 2 | | | | | | |
| | UQ | | | | | | | | | | | | | 390 | 395 | | 460 | 470 | | | | | | | |
| | LQ | | | | | | | | | | | | | 350 | 350 | | 350 | 345 | | | | | | | |
| h'F | MED | 285 | 260 | 250 | 260 | 250 | 260 | 270 | U 255 | 250 | U 240 | U 245 | E 2375 | E 245 | E 240 | E 250 | E 250 | U 255 | 265 | 2875 | 330 | 360 | 360 | 3475 | 305 |
| | CNT | 30 | 31 | 31 | 31 | 30 | 28 | 31 | 31 | 31 | 30 | 29 | 30 | 29 | 29 | 27 | 26 | 28 | 30 | 30 | 30 | 29 | 29 | 28 | 29 |
| | UQ | 300 | 270 | 270 | 280 | 280 | 290 | 280 | 270 | 260 | 255 | 270 | 255 | 270 | 270 | 295 | 280 | 265 | 275 | 290 | 355 | 380 | 380 | 360 | 335 |
| | LQ | 260 | 235 | 230 | 245 | 230 | 235 | 265 | 250 | 240 | 240 | 230 | 230 | 230 | 230 | 230 | 235 | 250 | 260 | 280 | 310 | 340 | 340 | 325 | 295 |
| (M3000)F2 | MED | 4 | Q10 | B075 | 295 | 300 | 2925 | 290 | 280 | 260 | 2375 | Q325 | Q35 | 13 | 13 | 8 | 9 | 5 | 1 | 2 | 2 | 1 | 2 | 6 | 4 |
| | CNT | | 13 | 18 | 24 | 315 | 305 | 305 | 290 | 270 | 20 | 18 | 17 | 265 | 240 | 235 | 250 | 265 | | | | | | 265 | |
| | UQ | | 275 | 290 | 280 | 280 | 270 | 280 | 270 | 250 | 225 | 225 | 220 | 220 | 220 | 220 | 235 | 250 | | | | | | 250 | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | | | | | | U 575 | | | | | | | | | | | |
| | CNT | | | | | | | | | | | 1 | 2 | 6 | 2 | 2 | 1 | 2 | | | | | | | |
| foE | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | 4 | 3 | 2 | 1 | | | 1 | 1 | 1 | 3 | 4 | 1 | 1 | | | | | |
| h'E | MED | | | | | | | U | | | | | | | | | E | | U | | | | | | |
| | CNT | | | | | | | 129 | 119 | 119 | 119 | | | 1 | 3 | 2 | 120 | 121 | 121 | | | | | | |
| | | | | | | | | 13 | 17 | 11 | 7 | 1 | 2 | | | | 8 | 9 | 7 | 2 | | | | | |
| foEs | MED | | | | | | | 28 | 36 | 42 | 45 | 45 | | | | | | | 34 | 31 | 26 | | | 20 | 22 |
| | CNT | 31 | 31 | 31 | 31 | 30 | 29 | 31 | 31 | 31 | 30 | 29 | 30 | U30 230 | U31 230 | U30 2325 | U30 245 | U30 260 | 31 | 30 | 31 | 31 | 31 | U31 260 | 31 |

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS.

MAY, 1960

TABLE 16

WAKKANAI, JAPAN (45.4N, 141.7E)

TIME 135.0E

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 63 | 63 | 62 | 60 | 56 | 60 | 78 | 94 | 108 | 107 | 106 | 106 | 106 | 107 | 106 | 103 | 100 | 100 | 94 | 83 | 79 | 72 | 68 | 65 |
| | CNT | 27 | 26 | 27 | 27 | 28 | 29 | 29 | 28 | 28 | 28 | 28 | 29 | 29 | 29 | 29 | 29 | 28 | 28 | 29 | 29 | 29 | 29 | 28 | 28 |
| | UQ | 68 | 66 | 65 | 65 | 62 | 67 | 84 | 100 | 113 | 114 | 112 | 114 | 112 | 112 | 109 | 106 | 103 | 102 | 102 | 94 | 84 | 74 | 72 | 68 |
| | LQ | 58 | 58 | 58 | 53 | 52 | 53 | 72 | 83 | 88 | 90 | 94 | 94 | 98 | 97 | 88 | 87 | 92 | 90 | 84 | 80 | 75 | 68 | 64 | 60 |
| h'F2 | MED | | | | | | | U 400 | 380 | U 430 | U 390 | 425 | 465 | 500 | 435 | 560 | 435 | | | | | | | | |
| | CNT | | | | | | | 2 | 3 | 4 | 5 | 5 | 5 | 5 | 5 | 2 | 1 | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 315 | 320 | 310 | 300 | 290 | 295 | 240 | 240 | 240 | 230 | 230 | 230 | 230 | 230 | 240 | 240 | 250 | 250 | 250 | 250 | 250 | 260 | 280 | 310 |
| | CNT | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 28 | 28 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 28 | 28 | 28 | 29 | 29 | 30 | 29 | 29 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 255 | 255 | 260 | 260 | 265 | 265 | 295 | 300 | 300 | 295 | 285 | 285 | 275 | 280 | 275 | 280 | 285 | 290 | 290 | 285 | 280 | 270 | 260 | 255 |
| | CNT | 27 | 26 | 27 | 27 | 28 | 29 | 29 | 28 | 28 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 28 | 28 | 29 | 29 | 29 | 29 | 28 | 28 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | 460 | U 480 | 500 | 520 | 520 | 530 | 540 | 520 | | | | | | | | | |
| | CNT | | | | | | | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 2 | | | | | | | | | |
| foE | MED | | | | | | U 170 | 210 | 275 | 310 | 340 | 350 | 360 | 360 | 350 | 345 | 320 | 290 | 215 | | | | | | |
| | CNT | | | | | | 2 | 24 | 28 | 25 | 25 | 22 | 19 | 13 | 16 | 18 | 24 | 23 | 19 | | | | | | |
| h'E | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| foEs | MED | E | E | | | | E | | | | | | G | G | G | G | G | | | | | | E | E | |
| | CNT | 29 | 29 | 23 | 25 | 24 | 29 | 28 | 25 | 29 | 34 | 35 | 35 | 40 | 29 | 29 | 29 | 35 | 35 | 35 | 29 | 30 | 30 | 29 | 25 |
| | | | | 29 | 29 | 29 | | | 29 | 28 | 28 | 27 | 29 | 29 | 29 | 29 | 29 | 28 | 28 | 28 | 30 | | | | 29 |

SWEEP 1.0 MC TO 20.7 MC IN 1 MINUTE.

SEPTEMBER, 1959

TABLE 17

AKITA, JAPAN 139.7N, 140.1E)

TIME 135.0E

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 68 | 66 | 66 | 65 | 60 | 62 | 87 | 105 | 110 | 113 | 111 | 112 | 116 | 117 | 115 | 110 | 110 | 107 | 102 | 90 | 80 | 74 | 73 | 70 |
| | CNT | 30 | 30 | 30 | 29 | 29 | 30 | 30 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| | UQ | 73 | 71 | 70 | 70 | 65 | 68 | 94 | 110 | 119 | 120 | 120 | 122 | 123 | 122 | 120 | 116 | 112 | 112 | 109 | 99 | 85 | 77 | 76 | 75 |
| | LQ | 61 | 58 | 60 | 56 | 56 | 56 | 83 | 98 | 100 | 102 | 100 | 108 | 110 | 105 | 100 | 100 | 98 | 101 | 95 | 80 | 76 | 69 | 67 | 63 |
| h'F2 | MED | | | | | | | 360 | 260 | 250 | 250 | 270 | 305 | 310 | 310 | 310 | 300 | 275 | | | | | | | |
| | CNT | | | | | | | 3 | 7 | 17 | 24 | 24 | 22 | 24 | 22 | 21 | 13 | 7 | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 305 | 340 | 310 | 290 | 280 | 305 | 250 | 240 | 240 | 225 | 220 | 220 | 225 | 240 | 240 | 245 | 250 | 250 | 250 | 245 | 245 | 260 | 290 | 295 |
| | CNT | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 30 | 29 | 29 | 30 | 30 | 29 | 29 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 255 | 250 | 260 | 265 | 260 | 260 | 305 | 310 | 305 | 295 | 290 | 280 | 280 | 275 | 280 | 280 | 285 | 290 | 295 | 290 | 280 | 270 | 265 | 260 |
| | CNT | 30 | 30 | 30 | 29 | 29 | 30 | 30 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | 450 | 520 | U 560 | 570 | 620 | 620 | 600 | 610 | 530 | | | | | | | | |
| | CNT | | | | | | | | 1 | 3 | 5 | 5 | 5 | 7 | 5 | 5 | 1 | | | | | | | | |
| foE | MED | | | | | | | 220 | 285 | 320 | 350 | 360 | 380 | 390 | 380 | 370 | 340 | 300 | 240 | | | | | | |
| | CNT | | | | | | | 12 | 26 | 25 | 21 | 22 | 20 | 19 | 19 | 19 | 19 | 20 | 16 | | | | | | |
| h'E | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| foEs | MED | E | E | E | E | E | E | | | | | | | | | G | | | | | | E | E | E | E |
| | CNT | 30 | 30 | 30 | 29 | 30 | 30 | 24 | 33 | 43 | 46 | 44 | 44 | 44 | 42 | 28 | 38 | 36 | 43 | 41 | 26 | 30 | 30 | 28 | 30 |

SWEEP 1.6 MC TO 20.0 MC IN 20 SECONDS.

SEPTEMBER, 1959

TABLE 18

TOKYO, JAPAN (35.7N, 139.5E)

TIME 135.0E

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 72 | 70 | 69 | 64 | 62 | 62 | 92 | 109 | 114 | 109 | 116 | 120 | 124 | 124 | 120 | 118 | 116 | 116 | 114 | 95 | U 82 | 79 | 78 | 74 |
| | CNT | 30 | 30 | 30 | 30 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 30 |
| | UQ | 77 | 74 | 73 | 72 | 64 | 68 | 95 | 118 | 118 | 120 | 124 | 127 | 131 | 133 | 128 | 127 | 121 | 123 | 118 | 100 | 87 | 82 | 80 | 79 |
| | LQ | 64 | 62 | 60 | 58 | 56 | 56 | 86 | 107 | 107 | 101 | 108 | 112 | 117 | 114 | 111 | 109 | 109 | 109 | 100 | 89 | 78 | 72 | 70 | 68 |
| h'F2 | MED | | | | | | | | 300 | E | 310 | 300 | 320 | 315 | 320 | 315 | 310 | 300 | E 310 | | | | | | |
| | CNT | | | | | | | | 1 | 1 | 6 | 9 | 17 | 24 | 24 | 22 | 15 | 4 | 1 | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 310 | 330 | 310 | 290 | 290 | 310 | 250 | 240 | 235 | 230 | 225 | 220 | 220 | 235 | 245 | 250 | 250 | 255 | 250 | 250 | 250 | 290 | 300 | 305 |
| | CNT | 30 | 29 | 30 | 30 | 28 | 29 | 29 | 28 | 29 | 28 | 25 | 26 | 28 | 26 | 25 | 25 | 30 | 28 | 29 | 30 | 29 | 28 | 30 | 29 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 260 | 250 | 260 | 265 | 260 | 260 | 305 | 310 | 300 | 290 | 280 | 275 | 270 | 270 | 270 | 275 | 280 | 290 | 295 | 290 | U 270 | 260 | 260 | 260 |
| | CNT | 30 | 30 | 29 | 30 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 28 | 28 | 30 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | | | | U 550 | U 660 | U 590 | U 580 | U 560 | U 510 | | | | | | | | |
| | CNT | | | | | | | | | | | 1 | 3 | 2 | 2 | 2 | 1 | | | | | | | | |
| foE | MED | | | | | | | 230 | U 290 | 330 | U 360 | U 370 | U 385 | U 390 | U 380 | U 370 | U 350 | U 305 | 250 | | | | | | |
| | CNT | | | | | | | 3 | 23 | 22 | 18 | 14 | 13 | 11 | 8 | 13 | 19 | 17 | 12 | | | | | | |
| h'E | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| foEs | MED | F | F | E | E | E | E | 24 | 34 | 38 | 42 | 45 | G | G | 41 | G | 35 | 38 | 34 | 34 | 34 | 28 | 26 | E | E |
| | CNT | 30 | 29 | 30 | 30 | 29 | 27 | 28 | 20 | 25 | 25 | 26 | 22 | 19 | 18 | 26 | 25 | 23 | 22 | 26 | 30 | 30 | 30 | 30 | 30 |

SWEEP 1.0 MC TO 20.0 MC IN 20 SECONDS.

SEPTEMBER, 1959

TABLE 19

YAMAGAWA, JAPAN 131.2N, 130.6E)

TIME 135.0E

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 89 | 85 | 81 | 74 | 67 | 61 | 72 | 99 | 110 | 111 | 118 | 128 | 135 | 138 | 136 | 131 | 132 | 132 | 129 | 120 | 104 | 96 | 100 | 95 |
| | CNT | 23 | 26 | 28 | 28 | 28 | 29 | 29 | 29 | 28 | 27 | 27 | 28 | 28 | 27 | 28 | 27 | 27 | 27 | 26 | 28 | 27 | 25 | 25 | 24 |
| | UQ | 92 | 93 | 88 | 83 | 72 | 66 | 80 | 110 | 116 | 119 | 126 | 136 | 139 | 146 | 143 | 140 | 140 | 143 | 137 | 128 | 109 | 107 | 108 | 102 |
| | LQ | 78 | 76 | 70 | 66 | 60 | 56 | 67 | 98 | 106 | 106 | 112 | 122 | 128 | 129 | 130 | 129 | 126 | 123 | 125 | 111 | 94 | 90 | 86 | 81 |
| h'F2 | MED | | | | | | | | | | 400 | 330 | 315 | 340 | 340 | 330 | 330 | 300 | | | | | | | |
| | CNT | | | | | | | | | | 1 | 9 | 18 | 23 | 24 | 27 | 23 | 16 | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 300 | 300 | 300 | 270 | 270 | 275 | 280 | 245 | 240 | 230 | 225 | 215 | 230 | 230 | 240 | 250 | 250 | 250 | 260 | 250 | 240 | 270 | 290 | 290 |
| | CNT | 29 | 28 | 28 | 29 | 28 | 24 | 29 | 29 | 29 | 28 | 27 | 28 | 28 | 28 | 28 | 27 | 26 | 27 | 27 | 29 | 28 | 28 | 28 | 29 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 255 | 250 | 255 | 270 | 265 | 255 | 270 | 315 | 310 | 295 | 270 | 270 | 270 | 270 | 265 | 265 | 270 | 280 | 290 | 290 | 270 | 255 | 255 | 250 |
| | CNT | 23 | 26 | 28 | 28 | 28 | 29 | 29 | 29 | 28 | 27 | 27 | 28 | 28 | 27 | 28 | 27 | 27 | 27 | 26 | 28 | 27 | 25 | 25 | 24 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | | | | | U 660 | U 670 | 660 | 650 | U 640 | U 600 | | | | | | | |
| | CNT | | | | | | | | | | | | 1 | 7 | 6 | 8 | 2 | 1 | | | | | | | |
| foE | MED | | | | | | | 155 | 250 | 315 | 350 | 370 | 385 | 390 | 390 | 385 | 370 | 330 | 280 | 220 | | | | | |
| | CNT | | | | | | | 1 | 27 | 26 | 22 | 20 | 18 | 17 | 20 | 19 | 23 | 26 | 26 | 7 | | | | | |
| h'E | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| foEs | MED | 30 | 30 | 21 | 20 | 13 | 20 | G | 28 | 38 | 43 | 40 | 44 | 44 | 43 | 45 | 41 | 38 | 36 | 30 | 36 | 30 | 30 | 36 | 30 |
| | CNT | 19 | 21 | 27 | 29 | 29 | 25 | 25 | 29 | 28 | 25 | 25 | 27 | 28 | 28 | 27 | 27 | 28 | 28 | 28 | 27 | 23 | 23 | 18 | 18 |

SWEEP 1.0 MC TO 20.3 MC IN 30 SECONDS.

SEPTEMBER, 1959

TABLE 20

DOURBES, BELGIUM (50.1N, 4.6E)

TIME 0.0

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | U 66 | U 63 | U 58 | 54 | 58 | 60 | 63 | 73 | 72 | 71 | 70 | 74 | 75 | 76 | 74 | 73 | 72 | 74 | 75 | 74 | 77 | 74 | 73 | 70 |
| | CNT | 18 | 19 | 21 | 22 | 22 | 21 | 20 | 14 | 18 | 19 | 19 | 18 | 17 | 18 | 20 | 21 | 25 | 24 | 20 | 16 | 19 | 19 | 19 | 20 |
| | UQ | 73 | 69 | 62 | 60 | 59 | 68 | 78 | 81 | 81 | 80 | 77 | 84 | 82 | 79 | 79 | 77 | 77 | 72 | 79 | 80 | 80 | 82 | 76 | 74 |
| | LQ | 61 | 55 | 53 | 49 | 49 | 54 | 58 | 60 | 63 | 69 | 64 | 68 | 72 | 69 | 70 | 68 | 66 | 68 | 67 | 70 | 68 | 65 | 69 | 64 |
| h'F2 | MED | | | | | | 395 | 398 | 360 | 420 | 382 | 386 | 402 | 380 | 422 | 400 | 380 | 395 | 368 | 390 | | | | | |
| | CNT | | | | | | 4 | 6 | 5 | 13 | 18 | 17 | 14 | 13 | 14 | 18 | 15 | 12 | 8 | 2 | | | | | |
| | UQ | | | | | | 438 | 470 | 360 | 440 | 450 | 468 | 460 | 420 | 455 | 400 | 445 | 455 | 398 | | | | | | |
| | LQ | | | | | | 348 | 345 | 330 | 345 | 350 | 358 | 385 | 380 | 380 | 370 | 370 | 360 | 360 | | | | | | |
| h'F | MED | 300 | 290 | 295 | 298 | 292 | 260 | 242 | 235 | E 240 | E 250 | U 226 | 215 | 216 | 225 | U 222 | 225 | 228 | 238 | 255 | 271 | 270 | 272 | 292 | 300 |
| | CNT | 22 | 22 | 22 | 22 | 22 | 21 | 22 | 21 | 21 | 23 | 22 | 20 | 22 | 21 | 22 | 23 | 25 | 24 | 22 | 22 | 23 | 23 | 23 | 23 |
| | UQ | 320 | 305 | 310 | 320 | 310 | 264 | 252 | 248 | 260 | 290 | 285 | 236 | 225 | 250 | 250 | 300 | 245 | 248 | 268 | 285 | 285 | 298 | 310 | 310 |
| | LQ | 280 | 270 | 280 | 280 | 285 | 250 | 240 | 230 | 220 | 220 | 215 | 210 | 210 | 220 | 215 | 220 | 220 | 232 | 245 | 270 | 265 | 260 | 270 | 290 |
| (M3000)F2 | MED | U 252 | U 260 | U 255 | 262 | 270 | 280 | 285 | 290 | 272 | 280 | 270 | 270 | 275 | 265 | 275 | 275 | 275 | 275 | U 280 | 280 | U 280 | U 265 | U 260 | U 252 |
| | CNT | 18 | 19 | 21 | 22 | 22 | 21 | 20 | 14 | 18 | 19 | 19 | 18 | 17 | 18 | 20 | 21 | 25 | 24 | 20 | 16 | 19 | 19 | 19 | 20 |
| | UQ | 260 | 265 | 265 | 270 | 275 | 295 | 300 | 295 | 290 | 290 | 285 | 280 | 280 | 280 | 278 | 282 | 288 | 285 | 295 | 292 | 285 | 285 | 270 | 262 |
| | LQ | 245 | 245 | 248 | 255 | 260 | 268 | 272 | 275 | 255 | 265 | 250 | 255 | 270 | 255 | 268 | 262 | 270 | 270 | 275 | 268 | 270 | 255 | 255 | 245 |
| foF1 | MED | | | | | | 358 | 440 | U 468 | 505 | U 500 | U 545 | 540 | 542 | U 538 | 525 | U 530 | 480 | 448 | | | | | | |
| | CNT | | | | | | 2 | 3 | 6 | 12 | 9 | 10 | 8 | 6 | 8 | 12 | 11 | 5 | 6 | | | | | | |
| foE | MED | | | | | E 190 | U 235 | 278 | 320 | 340 | 358 | 370 | 370 | 380 | E 400 | U 370 | 360 | 335 | 310 | 262 | 205 | E 160 | | | |
| | CNT | | | | | 8 | 8 | 12 | 15 | 13 | 10 | 7 | 1 | 3 | 1 | 5 | 9 | 11 | 23 | 14 | 7 | 7 | | | |
| h'E | MED | | | | | E 129 | U 110 | 109 | 106 | 105 | 103 | 103 | 103 | 104 | 103 | 105 | 105 | 107 | 107 | 112 | E 123 | | | | |
| | CNT | | | | | 7 | 20 | 21 | 21 | 20 | 19 | 18 | 19 | 18 | 20 | 21 | 20 | 25 | 25 | 24 | 16 | | | | |
| foEs | MED | E 15 | E | E | 11 | G | 26 | 34 | 39 | 41 | 42 | 44 | 42 | 43 | 44 | 40 | 39 | 36 | 35 | 33 | 29 | 24 | 23 | 19 | E 16 |
| | CNT | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 21 | 21 | 23 | 22 | 22 | 24 | 23 | 23 | 23 | 25 | 25 | 25 | 24 | 23 | 23 | 23 | 23 |

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS.

JULY, 1959

TABLE

TIME

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 71 | 69 | 69 | 71 | 81 | 88 | 93 | 97 | 98 | 94 | 84 | 85 | 84 | 88 | 86 | 87 | 86 | 90 | 87 | 88 | 86 | 78 | 75 | 71 |
| | CNT | 15 | 24 | 25 | 4 | 24 | 22 | 23 | 21 | 19 | 21 | 23 | 20 | 24 | 22 | 17 | 21 | 22 | 21 | 22 | 23 | 25 | 24 | 24 | 26 |
| | UQ | 76 | 73 | 69 | 68 | 68 | 78 | 85 | 87 | 78 | 90 | 90 | 90 | 90 | 90 | 90 | 94 | 92 | 9. | 94 | 93 | 89 | 84 | 79 | 79 |
| | LQ | 64 | 62 | 58 | 55 | 55 | 59 | 59 | 64 | 58 | 71 | 70 | 79 | 79 | 80 | 72 | 74 | 76 | 79 | 77 | 78 | 76 | 72 | 70 | 68 |
| h'F2 | MED | | | | | | | 380 | 390 | 398 | 410 | 400 | 415 | 420 | 395 | 380 | 385 | 395 | 390 | 400 | | | | | |
| | CNT | | | | | | | 9 | 3 | 0 | 8 | 11 | 16 | 10 | 14 | 15 | 12 | 9 | 4 | 1 | | | | | |
| | UQ | | | | | | | | 425 | 440 | 460 | 470 | 455 | 450 | 445 | 420 | 415 | 420 | 465 | | | | | | |
| | LQ | | | | | | | | 370 | 385 | 310 | 360 | 370 | 360 | 370 | 350 | 358 | 370 | 370 | | | | | | |
| h'F | MED | 320 | 316 | 302 | 305 | 300 | 254 | 250 | 235 | 237 | 222 | 218 | U 228 | 220 | 235 | 230 | 235 | 242 | 252 | 260 | 270 | 261 | 270 | 300 | 308 |
| | CNT | 26 | 26 | 25 | 24 | 24 | 22 | 23 | 23 | 20 | 20 | 21 | 24 | 23 | 23 | 17 | 20 | 22 | 22 | 23 | 23 | 24 | 26 | 25 | 26 |
| | UQ | 330 | 330 | 335 | 340 | 318 | 270 | 255 | 245 | 249 | 235 | 232 | 242 | 235 | 245 | 240 | 248 | 250 | 268 | 272 | 275 | 275 | 280 | 305 | 324 |
| | LQ | 300 | 300 | 291 | 282 | 274 | 242 | 240 | 225 | 222 | 220 | 215 | 212 | 220 | 232 | 220 | 230 | 240 | 245 | 255 | 260 | 250 | 260 | 270 | 285 |
| (M3000)F2 | MED | 250 | 250 | 250 | 255 | 260 | 275 | 275 | 280 | 275 | 270 | 260 | 265 | 265 | 265 | 270 | 270 | 275 | 280 | 280 | 280 | 275 | 265 | 255 | 250 |
| | CNT | 25 | 26 | 25 | 23 | 24 | 22 | 23 | 21 | 19 | 20 | 23 | 21 | 24 | 22 | 17 | 21 | 22 | 21 | 22 | 23 | 25 | 24 | 24 | 26 |
| | UQ | 255 | 255 | 260 | 260 | 270 | 280 | 290* | 290 | 280 | 280 | 280 | 285 | 270 | 270 | 275 | 270 | 280 | 285 | 285 | 295 | 290 | 270 | 260 | 260 |
| | LQ | 240 | 240 | 240 | 245 | 250 | 265 | 265 | 265 | 255 | 255 | 255 | 265 | 255 | 255 | 255 | 260 | 260 | 270 | 275 | 280 | 270 | 260 | 250 | 245 |
| foF | MED | | | | | | | 385 | 440 | 485 | 520 | 560 | U 550 | U 550 | 580 | 550 | 545 | 550 | 500 | | | | | | |
| | CNT | | | | | | | 2 | 3 | 10 | 7 | 7 | 13 | 13 | 11 | 15 | 10 | 9 | 3 | | | | | | |
| foE | MED | | | | | U 140 | 230 | 270 | 310 | 340 | U 355 | U 370 | U 388 | U 388 | U 370 | U 370 | 350 | 330 | 290 | 244 | E 165 | F 150 | | | |
| | CNT | | | | | 9 | 17 | 16 | 14 | 17 | 18 | 7 | 7 | 10 | 5 | 5 | 12 | 14 | 15 | 11 | 7 | 1 | | | |
| h'E | MED | | | | | 116 | 115 | 110 | 107 | 106 | 106 | 105 | 107 | 108 | 108 | 108 | 108 | 108 | 110 | 115 | E 129 | | | | |
| | CNT | | | | | 4 | 20 | 22 | 20 | 18 | 20 | 19 | 18 | 19 | 17 | 15 | 17 | 18 | 15 | 15 | 4 | | | | |
| foEs | MED | F 13 | E | | E 11 | U 16 | 25 | 31 | 36 | 37 | 39 | 40 | G | 41 | U 40 | G | 40 | 36 | 34 | 32 | 21 | E 19 | E 16 | E 16 | E 15 |
| | CNT | 26 | 26 | 25 | 23 | 21 | 22 | 23 | 22 | 19 | 20 | 21 | 23 | 25 | 22 | 16 | 20 | 22 | 22 | 21 | 24 | 26 | 26 | 24 | 25 |

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS.

MAY, 1959

TABLE

VALBARD, NORWAY (78.2N, 15.

TIME

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | | | | | | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 47 | 41 | 40 | 40 | 42 | 42 | 40 | [illegible] | 44 | 42 | | | 38 | 38 | 38 | 42 | 44 | 41 | | | | | | |
| | CNT | [illegible] | 8 | 8 | 0 | [illegible] | 10 | [illegible] | [illegible] | 3 | 12 | | | 13 | 11 | 5 | 11 | [illegible] | 8 | 4 | 4 | 4 | 4 | [illegible] | [illegible] |
| | UQ | [illegible] | [illegible] | [illegible] | 49 | 44 | 42 | 41 | 42 | 48 | 44 | 44 | 44 | 42 | 43 | 45 | 45 | 48 | 46 | | | | | | |
| | LQ | 44 | 35 | 34 | 38 | 38 | 34 | 35 | 38 | 40 | 40 | 41 | 41 | 37 | 37 | 34 | 38 | 41 | 36 | | | | | | |
| h'F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 265 | 280 | 290 | 290 | 290 | 295 | 290 | 305 | 300 | 295 | 290 | 290 | 270 | 290 | 270 | 260 | 270 | 270 | 260 | 260 | 250 | 250 | 255 | 255 |
| | CNT | 26 | 25 | 27 | 24 | 24 | 26 | 26 | 25 | 27 | 28 | 26 | 29 | 26 | 25 | 26 | 29 | 29 | 28 | 25 | 27 | 28 | 26 | 31 | 27 |
| | UQ | 300 | 300 | 340 | 330 | 330 | 350 | 325 | 315 | 325 | 325 | 310 | 310 | 295 | 310 | 310 | 290 | 305 | 300 | 290 | 290 | 275 | 290 | 290 | 275 |
| | LQ | 245 | 255 | 260 | 270 | 260 | 260 | 260 | 270 | 280 | 260 | 275 | 265 | 245 | 250 | 255 | 250 | 260 | 240 | 240 | 240 | 240 | 230 | 235 | 240 |
| (M3000)F2 | MED | | | 235 | 255 | 245 | | | | | 270 | 265 | 280 | 280 | 280 | | | 275 | | | | | | | |
| | CNT | 2 | 4 | 5 | 6 | 5 | 4 | 3 | 4 | 3 | 11 | 8 | 14 | 12 | 8 | 3 | 4 | 5 | 4 | 2 | 2 | 3 | 2 | 2 | 1 |
| | UQ | | | 270 | 265 | 270 | | | | | 280 | 275 | 285 | 285 | 295 | | | 310 | | | | | | | |
| | LQ | | | 230 | 235 | 230 | | | | | 250 | 260 | 265 | 260 | 275 | | | 265 | | | | | | | |
| foF1 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| foE | MED | | | | | | | 205 | | | | 200 | | | | | | | | | | | | | |
| | CNT | | 2 | 3 | 2 | 2 | 3 | 5 | 4 | 4 | 4 | 5 | 4 | 3 | 4 | 3 | 4 | 1 | 3 | 1 | | 1 | | | |
| h'E | MED | | | | | | | | | | | | | 125 | 130 | 130 | 135 | | | | | | | | |
| | CNT | 1 | 1 | 2 | | | 1 | 1 | 2 | 3 | 3 | 3 | 4 | 8 | 9 | 5 | 7 | 4 | 2 | 1 | | 1 | | 1 | |
| foEs | MED | 32 | 32 | 22 | 32 | 31 | 33 | 32 | 32 | 31 | 29 | 32 | 32 | 32 | 35 | 54 | 36 | 34 | 44 | 56 | 44 | 32 | 30 | 30 | 29 |
| | CNT | 21 | 22 | 26 | 25 | 28 | 31 | 30 | 31 | 31 | 29 | 29 | 30 | 28 | 30 | 27 | 26 | 28 | 28 | 26 | 23 | 17 | 17 | 20 | 21 |

SWEEP 0.68 MC TO 24.6 MC IN 5 MINUTES. AUTOMATIC OPERATION.

DECEMBER, 1958

TABLE 23

TUCUMAN, ARGENTINA (26.9S, 65.4W)

TIME 60.0W

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | D 90 | 95 | U 90 | 89 | 84 | 78 | 86 | 100 | 111 | 120 | 125 | 130 | 133 | 135 | 137 | U 141 | 142 | U 133 | U 135 | U 133 | U 122 | 112 | U 110 | D 90 |
| | CNT | 20 | 15 | 20 | 19 | 20 | 19 | 20 | 19 | 18 | 19 | 21 | 22 | 18 | 18 | 17 | 16 | 17 | 17 | 15 | 13 | 17 | 14 | 10 | 20 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | | | | | U 460 | 460 | 480 | 475 | 445 | 425 | 440 | U 475 | U 510 | | | | |
| | CNT | | | | | | | | | | | | 4 | 13 | 15 | 17 | 16 | 17 | 16 | 5 | 2 | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | U 355 | U 340 | U 325 | U 300 | U 325 | 285 | 250 | 230 | U 220 | 220 | U 220 | U 200 | U 200 | E 200 | E 220 | E 220 | E 240 | 240 | 260 | U 300 | U 400 | 430 | 420 | 390 |
| | CNT | 10 | 11 | 10 | 14 | 14 | 14 | 17 | 14 | 12 | 12 | 14 | 7 | 7 | 6 | 12 | 7 | 10 | 12 | 13 | 14 | 15 | 17 | 10 | 13 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 240 | 260 | 255 | 260 | 270 | 265 | 290 | 280 | 255 | 240 | 235 | 240 | 240 | 235 | 240 | 250 | 255 | 245 | U 250 | U 230 | U 225 | U 220 | U 225 | 230 |
| | CNT | 10 | 11 | 13 | 16 | 13 | 17 | 18 | 19 | 17 | 19 | 21 | 19 | 18 | 17 | 17 | 16 | 17 | 17 | 15 | 12 | 15 | 13 | 9 | 10 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | | | U 700 | U 720 | 680 | 670 | 680 | 640 | 620 | 600 | 580 | | | | | | |
| | CNT | | | | | | | | | | 1 | 1 | 8 | 15 | 13 | 16 | 13 | 9 | 10 | | | | | | |
| foE | MED | | | | | | | 245 | U 315 | U 350 | 390 | U 430 | | U 440 | U 435 | U 440 | | U 375 | U 300 | U 280 | U 200 | | | | |
| | CNT | | | | | | | 9 | A | 7 | 5 | 1 | | 1 | 2 | 1 | | 1 | 2 | 4 | 2 | | | | |
| h'E | MED | | | | | | | E 109 | U 105 | 99 | 99 | U 99 | U 99 | U 99 | U 99 | U 99 | U 99 | U 99 | U 105 | U 105 | E 125 | | | | |
| | CNT | | | | | | | 7 | 11 | 11 | 11 | 11 | 5 | 2 | 3 | 2 | 3 | 3 | 10 | 3 | 1 | | | | |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS.

DECEMBER, 1958

TABLE 24

TRELEW, ARGENTINA (43.2S, 65.3W)

TIME 60.0W

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | U 90 | U 90 | 88 | 87 | 85 | U 88 | U 90 | U 90 | D 90 | D 90 | D 90 | D 90 | D 90 | D 93 | D 95 | D 90 | U 90 | 89 | 85 | U 80 | U 81 | U 76 | U 82 | U 89 |
| | CNT | 13 | 16 | 16 | 21 | 23 | 16 | 21 | 22 | 15 | 13 | 11 | 10 | 17 | 11 | 7 | 19 | 22 | 16 | 17 | 12 | 9 | 5 | 9 | 7 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | 470 | 445 | 400 | 425 | 440 | 440 | 410 | 420 | 405 | 405 | 410 | 400 | 390 | 400 | 315 | | | | |
| | CNT | | | | | | 1 | 2 | 5 | 7 | 9 | 13 | 10 | 16 | 17 | 14 | 20 | 18 | 6 | 3 | 1 | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 350 | 340 | 300 | 325 | 370 | 275 | 250 | 235 | 230 | 210 | 230 | 220 | 215 | 215 | 220 | 220 | 230 | 235 | 245 | 270 | 320 | 375 | 390 | 370 |
| | CNT | 18 | 20 | 20 | 21 | 23 | 19 | 18 | 20 | 6 | 3 | 4 | 2 | 2 | 4 | 1 | 4 | 6 | 14 | 14 | 13 | 10 | 8 | 13 | 11 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 240 | U 250 | 250 | 240 | 230 | U 240 | U 240 | U 250 | U 235 | U 235 | U 260 | U 260 | U 255 | U 260 | U 250 | U 260 | U 260 | 260 | 260 | U 270 | U 250 | U 235 | U 235 | U 230 |
| | CNT | 10 | 14 | 16 | 21 | 22 | 14 | 4 | 7 | 3 | 1 | 1 | 1 | 6 | 3 | 3 | 6 | 15 | 14 | 15 | 11 | 9 | 3 | 8 | 6 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | 350 | 490 | 540 | 650 | 640 | 630 | 600 | 600 | 600 | 600 | 600 | 570 | 530 | 500 | 380 | | | | |
| | CNT | | | | | | 1 | 3 | 4 | 5 | 6 | 9 | 2 | 7 | 10 | 9 | 9 | 7 | 3 | 1 | 1 | | | | |
| foE | MED | | | | | 160 | 225 | 300 | 350 | | | | | | | | U 400 | | 360 | 320 | 260 | 190 | | | |
| | CNT | | | | | 8 | 14 | 14 | 5 | | | | | | | | 1 | | 4 | 9 | 6 | 3 | | | |
| h'E | MED | | | | | 135 | 109 | 99 | 97 | 97 | 93 | 91 | 91 | 93 | 95 | 96 | 95 | 97 | 97 | 97 | 97 | | | | |
| | CNT | | | | | 1 | 5 | 19 | 20 | 17 | 12 | 12 | 9 | 10 | 9 | 5 | 14 | 17 | 21 | 25 | 12 | | | | |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.3 MC TO 18.0 MC IN 30 SECONDS.

DECEMBER, 1958

TABLE 25

USHUAIA, ARGENTINA (54.8S, 68.3W)

TIME 60.0W

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 94 | 98 | 98 | U 95 | 94 | 92 | 94 | 95 | 92 | 98 | D 99 | 94 | 92 | 83 | 88 | 83 | 80 | 80 | 82 | 82 | 81 | 89 | 96 | 94 |
| | CNT | 15 | 13 | 14 | 19 | 19 | 17 | 18 | 15 | 14 | 9 | 5 | 5 | 4 | 8 | 8 | 11 | 19 | 20 | 20 | 22 | 21 | 21 | 15 | 14 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LD | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | 450 | 460 | 450 | 440 | 455 | 450 | 455 | 460 | 480 | 475 | 440 | 485 | 460 | 440 | 420 | 360 | | | | |
| | CNT | | | | | 7 | 9 | 17 | 21 | 18 | 15 | 12 | 13 | 6 | 6 | 10 | 8 | 13 | 9 | 3 | 1 | | | | |
| | UD | | | | | | | | | | | | | | | | | | | | | | | | |
| | LD | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 375 | 350 | 340 | 355 | 350 | 300 | 280 | 265 | 260 | 250 | 270 | | 260 | 260 | | 260 | 265 | 295 | 270 | 300 | 320 | 375 | 390 | 380 |
| | CNT | 21 | 25 | 24 | 27 | 23 | 19 | 20 | 11 | 6 | 2 | 1 | | 1 | 1 | | 3 | 3 | 6 | 6 | 7 | 9 | 14 | 14 | 15 |
| | UD | | | | | | | | | | | | | | | | | | | | | | | | |
| | LD | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 230 | 230 | 230 | 230 | 225 | 225 | 230 | 230 | 235 | 240 | 240 | 240 | 230 | 230 | 250 | 240 | 240 | 240 | 240 | 240 | 230 | 225 | 225 | 230 |
| | CNT | 13 | 11 | 14 | 17 | 16 | 9 | 11 | 9 | 8 | 7 | 2 | 4 | 3 | 7 | 7 | 10 | 18 | 20 | 20 | 21 | 19 | 21 | 15 | 12 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LD | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | 340 | 410 | 500 | 560 | 590 | 610 | 610 | 630 | 610 | 600 | 600 | 610 | 600 | 580 | | | | | | |
| | CNT | | | | | 3 | 5 | 14 | 10 | 9 | 7 | 3 | 3 | 3 | 3 | 3 | 2 | 4 | 6 | | | | | | |
| foE | MED | E | E | E | E | 190 | 270 | 315 | 385 | | | | | | | | | | | 340 | | 240 | 180 | E | E |
| | CNT | 6 | 11 | 14 | 21 | 18 | 10 | 5 | 1 | | | | | | | | | | | 1 | | 4 | 6 | 7 | 5 |
| h'E | MED | E | E | E | E | 131 | 125 | 115 | 111 | 109 | 109 | 109 | 109 | 105 | 111 | 105 | 107 | 111 | 109 | 113 | 113 | 125 | E | E | E |
| | CNT | 9 | 13 | 14 | 19 | 9 | 21 | 28 | 23 | 25 | 13 | 9 | 5 | 4 | 2 | 4 | 4 | 17 | 20 | 22 | 20 | 12 | 5 | 11 | 9 |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.3 MC TO 18.0 MC IN 30 SECONDS.

DECEMBER, 1958

TABLE 26

TUCUMAN, ARGENTINA (26.9S, 65.4W)

TIME 60.0W

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 152 | 148 | U 128 | U 104 | 90 | 86 | 97 | U 110 | U 123 | U 120 | U 135 | U 140 | U 145 | U 150 | U 148 | U 148 | U 150 | U 145 | U 148 | U 142 | U * 140 | U 150 | U 149 | U 147 |
| | CNT | 13 | 18 | 15 | 20 | 25 | 24 | 23 | 20 | 20 | 20 | 25 | 25 | 27 | 25 | 28 | 25 | 21 | 27 | 20 | 19 | 15 | 10 | 11 | 9 |
| | UD | | | | | | | | | | | | | | | | | | | | | | | | |
| | LD | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | | | | U 440 | U 480 | U 425 | U 425 | U 420 | U 420 | U 420 | U 395 | U 420 | U 540 | | | | |
| | CNT | | | | | | | | | | | 4 | 2 | 11 | 21 | 25 | 25 | 19 | 17 | 9 | 1 | | | | |
| | UD | | | | | | | | | | | | | | | | | | | | | | | | |
| | LD | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | U 295 | U 260 | U 225 | U 225 | 230 | 240 | 230 | 220 | U 220 | U 200 | E 200 | E 200 | E 200 | E 200 | U 200 | E 200 | U 220 | 230 | 250 | U 300 | U 420 | U 420 | U 365 | U 320 |
| | CNT | 16 | 24 | 20 | 19 | 19 | 20 | 23 | 18 | 19 | 13 | 18 | 18 | 19 | 20 | 19 | 14 | 15 | 20 | 22 | 20 | 18 | 16 | 11 | 14 |
| | UD | | | | | | | | | | | | | | | | | | | | | | | | |
| | LD | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | U 275 | U 300 | U 320 | U 290 | 290 | 300 | 315 | U 305 | U 280 | U 260 | U 250 | U 255 | U 255 | U 260 | U 255 | U 255 | U 260 | U 260 | U 250 | U 240 | U 220 | U 220 | U 245 | U 260 |
| | CNT | 10 | 13 | 14 | 18 | 19 | 19 | 21 | 18 | 20 | 18 | 25 | 25 | 26 | 24 | 27 | 23 | 21 | 21 | 20 | 14 | 7 | 6 | 9 | 5 |
| | UD | | | | | | | | | | | | | | | | | | | | | | | | |
| | LD | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | | | | U 750 | 710 | 700 | 700 | 680 | 690 | 650 | U 580 | | | | | | |
| | CNT | | | | | | | | | | | 4 | 5 | 6 | 10 | 15 | 14 | 9 | 1 | | | | | | |
| foE | MED | | | | | U 130 | 140 | 235 | 290 | 360 | | | | | | U 410 | U 385 | U 330 | 320 | U 265 | U 165 | | | | |
| | CNT | | | | | 1 | 6 | 13 | 6 | 5 | | | | | | 1 | 2 | 1 | 6 | 1 | 1 | | | | |
| h'E | MED | | | | | U 111 | U 105 | U 101 | 99 | U 99 | U 99 | U 99 | U 99 | U 99 | U 99 | U 99 | U 99 | U 99 | 99 | U 99 | 99 | | | | |
| | CNT | | | | | 2 | 3 | 7 | 9 | 13 | 10 | 5 | 1 | 1 | 2 | 8 | 5 | 5 | 9 | 4 | 1 | | | | |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS.

NOVEMBER, 1958

TABLE 27

TRELEW, ARGENTINA (43.2S, 65.3W)

TIME 60.0W

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | D 90 | D 90 | D 90 | D 90 | U | | D 90 | D 90 | D 90 | D 90 | D 90 | D 96 | D 90 | D 95 | D 100 | D 92 | D 96 | D 90 | D 90 | D 80 | D 80 | D 90 | D 90 | D 90 |
| | CNT | 15 | 13 | 15 | 19 | 20 | 13 | 14 | 13 | 13 | 15 | 8 | 5 | 7 | 4 | 3 | 7 | 6 | 15 | 13 | 20 | 13 | 4 | 6 | 10 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LD | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | | 440 | 405 | 370 | 405 | 395 | 390 | 380 | 375 | 380 | 415 | | | | | | |
| | CNT | | | | | | | | | 2 | 4 | 1 | 8 | 4 | 6 | 5 | 5 | 5 | 1 | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LD | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 320 | 320 | 310 | 280 | 305 | 270 | 250 | 220 | 210 | 220 | 210 | 215 | 220 | 220 | 220 | 230 | 225 | 240 | 250 | 275 | 320 | 340 | 340 | 340 |
| | CNT | 17 | 19 | 19 | 19 | 23 | 25 | 23 | 19 | 13 | 9 | 5 | 6 | 4 | 8 | 5 | 6 | 12 | 15 | 16 | 15 | 11 | 11 | 15 | 16 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LD | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | | J 240 | 220 | U 250 | U 240 | U 250 | U 260 | | | | | | | | | U 260 | U 250 | U 250 | U 255 | 280 | | | | |
| | CNT | | 2 | 3 | 8 | 17 | 7 | 3 | | | | | | | | | 1 | 2 | 3 | 2 | 1 | | | | |
| | UD | | | | | | | | | | | | | | | | | | | | | | | | |
| | LD | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | | 670 | 660 | | 680 | 600 | | | 670 | 600 | | | | | | | |
| | CNT | | | | | | | | | 2 | 1 | | 4 | 1 | | | 2 | 2 | | | | | | | |
| foE | MED | | | | | 140 | 190 | 260 | 320 | 345 | | | | | | | | 355 | 330 | 265 | 225 | | | | |
| | CNT | | | | | 4 | 20 | 14 | 11 | 3 | | | | | | | | 3 | 2 | 3 | 3 | | | | |
| h'E | MED | | | | | | 143 | 97 | 95 | 97 | 95 | 95 | 95 | 95 | 97 | 97 | 96 | 95 | 95 | 96 | 99 | | | | |
| | CNT | | | | | | 12 | 20 | 22 | 18 | 15 | 9 | 8 | 5 | 4 | 9 | 10 | 15 | 15 | 8 | 1 | | | | |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.3 MC TO 18.0 MC IN 30 SECONDS.

NOVEMBER, 1958

TABLE 28

USHUAIA, ARGENTINA (54.8S, 68.3W)

TIME 60.0W

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | D 90 | D 90 | D 90 | D 90 | D 90 | D 90 | D 90 | D 93 | D 99 | D 94 | D 100 | D 100 | D 94 | D 94 | D 90 | D 90 | 91 | 90 | 88 | 90 | 90 | D 90 | D 92 | D 90 |
| | CNT | 10 | 12 | 11 | 10 | 10 | 9 | 11 | 7 | 6 | 6 | 5 | 5 | 6 | 4 | 5 | 7 | 10 | 11 | 13 | 16 | 13 | 12 | 9 | 9 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LD | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | U 460 | U 420 | U 465 | U 420 | U 410 | U 455 | U 445 | U 435 | U 430 | U 450 | U 460 | | | | | | | |
| | CNT | | | | | | | 1 | 3 | 2 | 3 | 3 | 4 | 6 | 4 | 4 | 3 | 4 | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LD | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 360 | 380 | 370 | 360 | 340 | 290 | 275 | 270 | U 265 | U 250 | U 250 | U 255 | U 260 | | U 260 | U 250 | U 260 | 270 | 275 | 300 | 310 | 350 | 370 | 375 |
| | CNT | 8 | 11 | 10 | 9 | 10 | 6 | 10 | 7 | 4 | 1 | 1 | 2 | 3 | | 1 | 2 | 4 | 5 | 5 | 9 | 7 | 5 | 6 | 7 |
| | UD | | | | | | | | | | | | | | | | | | | | | | | | |
| | LD | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | U 230 | U 220 | U 210 | U 220 | U 225 | U 235 | U 220 | U 210 | U 220 | | U 225 | U 210 | U 230 | U 230 | U 240 | U 235 | 240 | U 240 | 240 | 235 | 230 | U 230 | U 220 | U 230 |
| | CNT | 3 | 4 | 2 | 4 | 3 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 3 | 8 | 8 | 8 | 11 | 8 | 5 | 3 | 1 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LD | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | U 500 | U 640 | U 640 | | U 650 | U 640 | U 690 | | U 640 | U 600 | | | | | | | |
| | CNT | | | | | | | | 1 | 2 | 2 | | 2 | 2 | 1 | | 2 | 2 | | | | | | | |
| foE | MED | | | | E | 165 | 235 | 300 | U 345 | U 360 | | | | | | | U 390 | | U 345 | | U 285 | U 170 | E | | |
| | CNT | | | | 2 | 6 | 5 | 5 | 4 | 1 | | | | | | | 1 | | 1 | | 1 | 2 | 1 | | |
| h'E | MED | | | | | | 121 | 107 | 107 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 107 | 111 | U 108 | | | |
| | CNT | | | | | | 9 | 11 | 13 | 9 | 8 | 7 | 7 | 6 | 5 | 6 | 6 | 10 | 12 | 13 | 13 | 2 | | | |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.3 MC TO 18.0 MC IN 30 SECONDS.

NOVEMBER, 1958

TABLE 29

YELLOWKNIFE, CANADA (62.4N, 114.4W)

TIME 105.0W

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 60 | 58 | 52 | 52 | 51 | 48 | 51 | 56 | 65 | 80 | 90 | 100 | 105 | 110 | 115 | 121 | 116 | 117 | 104 | 78 | 68 | 68 | 58 | 51 |
| | CNT | 19 | 21 | 21 | 23 | 22 | 24 | 24 | 26 | 24 | 25 | 24 | 26 | 26 | 25 | 25 | 27 | 28 | 26 | 26 | 25 | 22 | 25 | 23 | 21 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | | | | 1 | 2 | 2 | | 2 | 1 | | | 1 | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 310 | 320 | 310 | 320 | 320 | 320 | 360 | 340 | 300 | 270 | 250 | 250 | 240 | 240 | 240 | 250 | 250 | 250 | 260 | 290 | 300 | 300 | 300 | 310 |
| | CNT | 26 | 24 | 25 | 27 | 24 | 24 | 24 | 25 | 24 | 23 | 23 | 25 | 24 | 21 | 22 | 24 | 26 | 25 | 25 | 27 | 26 | 25 | 23 | 24 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | | | | 2 | 2 | 2 | 2 | 2 | 1 | | | 1 | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| foE | MED | U | | | | | | U | | | | | | | | | | | | | | | U | | |
| | CNT | 190 | | | | | | 190 | 250 | 270 | 290 | 300 | 300 | 300 | 300 | 300 | 290 | 250 | 200 | 160 | | | 230 | | |
| | | 5 | 2 | 3 | 2 | 4 | 4 | 9 | 13 | 15 | 16 | 17 | 20 | 17 | 17 | 21 | 22 | 22 | 18 | 13 | 1 | 4 | 7 | 11 | 4 |
| h'E | MED | | | | | | | U | | | | | | | | | | | U | | | | U | U | |
| | CNT | 4 | 2 | 1 | 1 | 3 | 2 | 4 | 110 9 | 110 10 | 105 14 | 105 16 | 105 19 | 105 15 | 105 14 | 105 18 | 105 19 | 110 18 | 130 7 | | 1 | 2 | 120 6 | 125 8 | 3 |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS.

OCTOBER, 1958

TABLE 30

TUCUMAN, ARGENTINA (26.9S, 65.4W)

TIME 60.0W

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | U | U | | | | | | | | | | U | U | U | U | U | U | U | U | U | U | U | U | U |
| | CNT | 175 | 175 | 160 | 112 | 90 | 78 | 92 | 118 | 130 | 135 | 142 | 150 | 155 | 156 | 162 | 164 | 162 | 145 | 155 | 150 | 150 | 167 | 165 | 170 |
| | UQ | 24 | 20 | 24 | 23 | 25 | 25 | 25 | 22 | 23 | 25 | 22 | 25 | 23 | 24 | 22 | 24 | 24 | 13 | 12 | 13 | 13 | 13 | 15 | 15 |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | | | | | | U | | | | U | U | | | | | | |
| | CNT | | | | | | | | | | | | | 430 | 460 | 460 | 440 | 435 | 400 | | | | | | |
| | UQ | | | | | | | | | | | | | 3 | 13 | 20 | 16 | 16 | 5 | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 265 | 250 | 230 | 215 | 220 | 230 | 240 | 225 | 220 | U 210 | 200 | E 200 | E 200 | E 200 | E 200 | 220 | 230 | 235 | 260 | 330 | 370 | 340 | 320 | 280 |
| | CNT | 25 | 24 | 24 | 25 | 22 | 25 | 25 | 25 | 25 | 24 | 16 | 14 | 13 | 12 | 11 | 18 | 26 | 20 | 18 | 20 | 16 | 20 | 21 | 22 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | U | U | | | | | | | | | | U | U | U | U | U | U | U | U | U | U | U | U | U |
| | CNT | 300 | 310 | 330 | 310 | 295 | 290 | 300 | 310 | 300 | 280 | 270 | 260 | 250 | 245 | 240 | 240 | 250 | 250 | 240 | 225 | 225 | 235 | 260 | 270 |
| | UQ | 18 | 15 | 22 | 22 | 23 | 25 | 25 | 21 | 23 | 24 | 22 | 25 | 23 | 24 | 21 | 22 | 22 | 11 | 10 | 7 | 7 | 10 | 9 | 9 |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | | | | | U | | | | U | U | | | | | | | |
| | CNT | | | | | | | | | | | | 690 | | 780 | 750 | 740 | 740 | | | | | | | |
| | UQ | | | | | | | | | | | | 1 | | 6 | 10 | 2 | 2 | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foE | MED | | | | | U | | | | | U | | | | | | U | | | | | | | | |
| | CNT | | | | | 150 | 125 | 230 | 295 | 350 | 395 | | | | | | 390 | 365 | 300 | 230 | | | | | |
| | UQ | | | | | 1 | 6 | 20 | 19 | 12 | 2 | | | | | | 1 | 5 | 13 | 6 | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'E | MED | | | | | U | U | U | U | U | U | U | U | U | U | U | U | U | U | U | | | | | |
| | CNT | | | | | 115 | 121 | 131 | 101 | 99 | 99 | 99 | 99 | 101 | 99 | 99 | 99 | 101 | 101 | 101 | | | | | |
| | UQ | | | | | 2 | 5 | 11 | 20 | 19 | 16 | 11 | 5 | 3 | 2 | 4 | 7 | 13 | 14 | 4 | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS.

OCTOBER, 1958

TABLE 31

TRELEW, ARGENTINA (43.2S, 65.3W)

TIME 60.0W

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 90 | 90 | 90 | U 90 | U 82 | 82 | D 90 | D 90 | D 90 | D 90 | D 90 | D 92 | D 90 | D 94 | D 92 | D 90 | D 91 | D 90 | D 89 | D 84 | D 80 | D 80 | D 90 | 90 |
| | CNT | 12 | 17 | 16 | 16 | 17 | 16 | 16 | 9 | 18 | 16 | 16 | 12 | 12 | 9 | 13 | 13 | 11 | 14 | 17 | 14 | 10 | 19 | 8 | 8 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | | | | | U 360 | U 360 | U 360 | U 380 | U 375 | U 340 | | | | | | | |
| | CNT | | | | | | | | | | | | 2 | 2 | 4 | 4 | 5 | 2 | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 305 | 300 | 300 | 280 | 280 | 285 | 225 | 210 | 210 | 210 | 210 | 220 | 210 | 210 | 210 | 220 | 230 | 235 | 250 | 250 | 255 | 300 | 310 | 310 |
| | CNT | 18 | 18 | 17 | 15 | 17 | 17 | 16 | 17 | 17 | 14 | 9 | 9 | 6 | 5 | 9 | 12 | 11 | 15 | 15 | 13 | 12 | 16 | 18 | 18 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 270 | 260 | 255 | U 260 | 250 | 250 | U 285 | U 240 | | | | | | | | | | | | | U 280 | U 265 | U 260 | U 260 |
| | CNT | 7 | 9 | 9 | 13 | 16 | 14 | 11 | 1 | | | | | | | | | | | | | 1 | 3 | 4 | 5 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | | | | | U 680 | U 790 | U 680 | U 670 | U 680 | U 600 | | | | | | | |
| | CNT | | | | | | | | | | | | 1 | 1 | 3 | 1 | 1 | 1 | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foE | MED | | | E | E | E | | | | | U | U | | | | | U | | | | | | | | |
| | CNT | | | 1 | 4 | 11 | 130 17 | 220 16 | 300 17 | 320 7 | 345 2 | 370 1 | | | | | 380 2 | 350 5 | 300 14 | 225 10 | 160 2 | | | | |
| h'E | MED | | | | | | 165 | 103 | 97 | 95 | 93 | 94 | 89 | 92 | 93 | 91 | 97 | 91 | 98 | 99 | | | | | |
| | CNT | | | | | | 5 | 15 | 15 | 17 | 15 | 12 | 5 | 6 | 3 | 7 | 10 | 7 | 12 | 8 | | | | | |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.3 MC TO 18.0 MC IN 30 SECONDS.

OCTOBER, 1958

TABLE 32

USHUAIA, ARGENTINA (54.8S, 68.3W)

TIME 60.0W

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 90 | U 90 | U 90 | 88 | 86 | 90 | 90 | 96 | D 100 | D 100 | D 95 | D 92 | D 90 | D 96 | D 94 | D 100 | D 91 | D 90 | D 90 | D 90 | 92 | 88 | U 92 | U 90 |
| | CNT | 13 | 20 | 16 | 20 | 20 | 19 | 14 | 7 | 5 | 6 | 12 | 9 | 11 | 11 | 10 | 9 | 14 | 21 | 19 | 13 | 7 | 11 | 11 | 17 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | | | 300 | 295 | | U 310 | U 310 | U 320 | | | | | | | | | |
| | CNT | | | | | | | | | | 1 | 2 | | 1 | 5 | 1 | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 330 | 330 | 330 | 325 | 340 | 330 | 265 | 250 | 240 | 230 | 240 | 240 | 240 | 245 | 240 | 240 | 250 | 270 | 270 | 280 | 280 | 295 | 310 | 340 |
| | CNT | 19 | 20 | 19 | 20 | 19 | 20 | 21 | 20 | 16 | 10 | 8 | 5 | 6 | 8 | 9 | 7 | 10 | 20 | 17 | 18 | 16 | 16 | 13 | 20 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 245 | 250 | 240 | 245 | 240 | 245 | 270 | U 270 | U 265 | U 310 | | | | | | | | | | U 285 | U 280 | 260 | 240 | 250 |
| | CNT | 10 | 19 | 16 | 20 | 20 | 17 | 12 | 4 | 1 | 1 | | | | | | | | | | 3 | 5 | 10 | 10 | 14 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | | | U 610 | U 560 | | U 650 | U 660 | | | | | | | | | | |
| | CNT | | | | | | | | | | 1 | 1 | | 1 | 3 | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foE | MED | E | E | E | E | E | | | | U | U | | | | | U | | U | | | | E | E | E | E |
| | CNT | 4 | 5 | 6 | 9 | 15 | 155 15 | 210 19 | 275 14 | 300 8 | 320 1 | | | | | 380 1 | | 310 2 | 290 10 | 240 11 | 160 8 | 5 | 3 | 2 | 4 |
| h'E | MED | | | | | | U | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | 185 1 | 155 15 | 111 19 | 109 16 | 105 11 | 107 5 | 105 6 | 105 6 | 104 6 | 105 7 | 109 6 | 107 8 | 109 13 | 115 13 | 130 2 | | | | |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.3 MC TO 18.0 MC IN 30 SECONDS.

OCTOBER, 1958

TABLE 33

ALERT, CANADA (82.6N, 62.6W)

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| fo F2 | MED | 68 | 66 | 69 | 74 | 73 | 66 | 72 | 69 | 70 | 69 | 70 | 72 | 72 | 74 | 76 | 78 | 77 | 74 | 70 | 70 | 71 | 70 | 67 | 66 |
| | CNT | 24 | 25 | 26 | 26 | 26 | 26 | 26 | 26 | 25 | 25 | 25 | 25 | 27 | 27 | 27 | 27 | 27 | 28 | 28 | 27 | 26 | 26 | 25 | 25 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h' F2 | MED | | | | | | | | | | | | | U | | | U | | | | | | | | |
| | CNT | | | | | | 2 | 1 | | | 3 | 1 | 3 | 410 | 4 | 4 | 400 | 2 | 3 | | 1 | | 1 | 1 | |
| | UQ | | | | | | | | | | | | | 7 | | | 6 | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h' F | MED | 290 | 280 | 280 | 280 | 280 | 280 | 270 | 280 | 270 | 270 | 270 | 260 | 260 | 270 | 270 | 280 | 290 | 290 | 290 | 290 | 290 | 290 | 290 | 290 |
| | CNT | 23 | 25 | 26 | 26 | 26 | 23 | 24 | 23 | 22 | 23 | 22 | 21 | 23 | 24 | 23 | 24 | 25 | 25 | 26 | 27 | 26 | 26 | 25 | 25 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| fo F1 | MED | | | | | | | | | | | | U | U | | | | | | | | | | | |
| | CNT | 1 | 1 | 1 | 1 | | 1 | 2 | 2 | 1 | 4 | 3 | 420 | 440 | 4 | 6 | 6 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | UQ | | | | | | | | | | | | 6 | 7 | | | | 1 | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| fo E | MED | 170 | 170 | 180 | 180 | 190 | 200 | 220 | 240 | 250 | 250 | 260 | 260 | 260 | 260 | 260 | 250 | 230 | 210 | 200 | 180 | 180 | 180 | 170 | 170 |
| | CNT | 13 | 16 | 18 | 19 | 23 | 22 | 23 | 23 | 21 | 20 | 20 | 20 | 20 | 18 | 19 | 19 | 18 | 16 | 17 | 16 | 14 | 12 | 12 | 11 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h' E | MED | | | | | U | | | | | | | | | | | | | U | U | | | | | |
| | CNT | 1 | 2 | 1 | 3 | 140 | 140 | 130 | 120 | 110 | 120 | 110 | 110 | 110 | 120 | 120 | 130 | 130 | 130 | 130 | 3 | 2 | 1 | 1 | |
| | UQ | | | | | 5 | 16 | 15 | 18 | 17 | 16 | 15 | 17 | 15 | 15 | 16 | 17 | 15 | 9 | 9 | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| fo Es | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS.

SEPTEMBER, 1958

TABLE 34

YELLOWKNIFE, CANADA (62.4N, 114.4W)

TIME 105.0W

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| fo F2 | MED | 58 | 57 | 62 | 55 | 55 | 56 | 55 | 60 | 65 | 74 | 80 | 81 | 83 | 88 | 87 | 86 | 87 | 81 | 86 | 77 | 68 | 54 | 56 | 54 |
| | CNT | 22 | 23 | 23 | 21 | 24 | 25 | 25 | 25 | 23 | 21 | 22 | 25 | 25 | 25 | 25 | 28 | 28 | 28 | 26 | 27 | 26 | 25 | 26 | 26 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h' F2 | MED | | | | | | | | | | | | U | U | | | | U | | | | | | | |
| | CNT | | | | | | | 1 | 4 | 1 | 3 | 6 | 480 | 470 | 470 | 450 | 420 | 450 | 1 | 1 | | | | | |
| | UQ | | | | | | | | | | | | 7 | 7 | 11 | 12 | 9 | 5 | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h' F | MED | 300 | 310 | 330 | 310 | 340 | 340 | 330 | 290 | 270 | 260 | 250 | 240 | 250 | 240 | 240 | 240 | 250 | 270 | 270 | 280 | 300 | 340 | 300 | 320 |
| | CNT | 22 | 20 | 21 | 23 | 21 | 22 | 19 | 17 | 18 | 13 | 19 | 19 | 24 | 22 | 22 | 24 | 22 | 23 | 24 | 25 | 26 | 23 | 29 | 23 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| fo F1 | MED | | | | | | | | U | | U | | | | | | | | | | | | | | |
| | CNT | | | | | | | | 390 | 400 | 440 | 460 | 470 | 480 | 520 | 500 | 480 | | | | | | | | |
| | UQ | | | | | | | 2 | 8 | 10 | 7 | 11 | 14 | 12 | 13 | 13 | 11 | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| fo E | MED | | | | | | U | | | | | | | | | | | | | | | U | | | |
| | CNT | 1 | | | | 1 | 200 | 210 | 260 | 300 | 310 | 340 | 350 | 350 | 350 | 330 | 320 | 300 | 280 | 240 | 200 | 260 | 3 | 1 | 2 |
| | UQ | | | | | | 4 | 13 | 20 | 16 | 16 | 18 | 22 | 23 | 22 | 23 | 24 | 23 | 22 | 22 | 16 | 6 | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h' E | MED | | | | | | | | 130 | 120 | 110 | 110 | 110 | 110 | 110 | 110 | 115 | 120 | 120 | 130 | | | | | |
| | CNT | | | | | | 2 | 5 | 13 | 14 | 10 | 13 | 15 | 18 | 17 | 19 | 22 | 18 | 17 | 17 | 4 | 3 | 1 | 1 | 1 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| fo Es | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS.

SEPTEMBER, 1958

TABLE 35

DELHI, INDIA (28.6N, 77.2E)

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| fo F2 | MED | D | D | D | D | D | D | D | D | 123 | 127 | 135 | 149 | D | D | D | D | D | D | D | D | D | D | D | D |
| | CNT | 90 | 88 | 81 | 71 | 68 | 68 | 93 | 116 | 119 | 123 | 123 | 116 | 146 | 148 | 148 | 146 | 144 | 140 | 133 | 125 | 118 | 114 | 96 | 92 |
| | UQ | 27 | 21 | 19 | 20 | 25 | 27 | 27 | 19 | 19 | 23 | 23 | 16 | 21 | 29 | 17 | 26 | 24 | 25 | 21 | 25 | 25 | 24 | 26 | 25 |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h' F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h' F | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | U | U | | | U | U | U | U | | | | U | | | | U | | | | | | | | |
| | CNT | 280 | 280 | | | 280 | 280 | 325 | 340 | 325 | 290 | 270 | 200 | 4 | 4 | | 275 | 3 | 1 | 2 | | | | 1 | 2 | 4 |
| | UQ | 5 | 5 | 3 | 3 | 5 | 6 | 9 | 8 | 10 | 15 | 18 | 8 | | | | 5 | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| fo F1 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| fo E | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h' E | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| fo Es | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

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

SEPTEMBER, 1958

TABLE 36

AHMEDABAD, INDIA (23.0N, 72.6E)

TIME 75.0E

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| fo F2 | MED | 134 | 128 | 91 | 74 | 70 | 67 | 83 | 119 | 120 | 122 | 133 | 146 | D | D | D | D | D | D | 152 | 151 | 151 | 150 | 150 | 132 |
| | CNT | 17 | 18 | 17 | 18 | 18 | 20 | 22 | 19 | 21 | 26 | 23 | 16 | 21 | 22 | 22 | 16 | 20 | 23 | 17 | 22 | 19 | 16 | 15 | 19 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h' F2 | MED | | | | | | | | | 245 | 275 | 350 | 400 | 450 | 440 | 425 | 400 | 350 | 260 | 275 | | | | | |
| | CNT | | | | | | | | | 23 | 23 | 25 | 20 | 21 | 21 | 21 | 18 | 21 | 20 | 26 | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h' F | MED | 275 | 260 | 250 | 250 | 260 | 270 | 250 | 240 | 225 | 215 | 215 | U | U | | | | U | | | | | | | |
| | CNT | 22 | 20 | 20 | 20 | 20 | 21 | 22 | 21 | 17 | 14 | 9 | 210 | 210 | 2 | 2 | 1 | 250 | 255 | 275 | 300 | 315 | 300 | 290 | 280 |
| | UQ | | | | | | | | | | | | 10 | 3 | | | | 4 | 14 | 26 | 23 | 23 | 25 | 19 | 23 |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 275 | 290 | 300 | 275 | 270 | 275 | 290 | 310 | 300 | 260 | 245 | 240 | U | U | U | U | U | U | U | 245 | 250 | 260 | 265 | 270 |
| | CNT | 16 | 17 | 18 | 17 | 17 | 18 | 19 | 19 | 21 | 26 | 22 | 16 | 235 | 235 | 240 | 245 | 250 | 255 | 255 | 20 | 15 | 10 | 10 | 18 |
| | UQ | | | | | | | | | | | | | 18 | 17 | 13 | 9 | 12 | 15 | 20 | 20 | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| fo F1 | MED | | | | | | | | | | U | U | | | | | | U | | | | | | | |
| | CNT | | | | | | | | | | 500 | 500 | | | | | | 650 | | | | | | | |
| | UQ | | | | | | | | | | 3 | 4 | 2 | 2 | 1 | 2 | 1 | 3 | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| fo E | MED | | | | | | | 170 | 250 | 310 | 370 | 400 | 410 | 420 | 420 | 410 | 400 | 350 | 270 | U | 200 | | | | |
| | CNT | | | | | | | 2 | 14 | 12 | 15 | 10 | 6 | 3 | 5 | 7 | 9 | 11 | 18 | 3 | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h' E | MED | | | | | | | | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 115 | | | | | | |
| | CNT | | | | | | | | 16 | 17 | 15 | 8 | 2 | 1 | 2 | 3 | 5 | 10 | 16 | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| fo Es | MED | E | E | | E | E | E | G | G | G | G | G | G | G | G | G | G | G | | | | | | | |
| | CNT | 20 | 20 | 19 | 18 | 19 | 20 | 22 | 20 | 21 | 24 | 23 | 21 | 21 | 21 | 23 | 20 | 23 | 32 | 30 | 24 | 16 | 16 | 22 | 22 |
| | UQ | | | | | | | | | | | | | | | | | | 22 | 25 | 24 | 22 | 24 | 19 | 25 |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |

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

SEPTEMBER, 1958

TABLE 38

BOMBAY, INDIA (19.0N, 72.8E)

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| fo F2 | MED | U 90 | D 90 | D 86 | D 80 | 73 | 64 | D 76 | D 109 | | D 125 | D 130 | D 129 | D 132 | D 139 | D 135 | D 135 | D 133 | D 130 | D 127 | D 119 | | | U 104 | |
| | CNT | 9 | 14 | 18 | 24 | 20 | 22 | 24 | 17 | | 24 | 27 | 27 | 26 | 17 | 28 | 28 | 27 | 28 | 25 | 28 | 1 | 4 | 4 | 6 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h' F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h' F | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | | | | U 300 | U 305 | 310 | U 325 | | | U 270 | | | | | | U 520 | 520 | U 410 | 350 | | | | | |
| | CNT | | 1 | 4 | 9 | 12 | 19 | 6 | 2 | | 1 5 | 3 | | | | | 1 3 | 5 | 10 | 5 | 1 | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| fo F1 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| fo E | MED | | | | | | | U 300 | | U 470 | | U 500 | | | | U 520 | 520 | 410 | 350 | | | | | | |
| | CNT | | | | | | | 1 3 | | 4 | 2 | 3 | | | 1 | 3 | 5 | 10 | 5 | 1 | | | | | |
| h' E | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| fo Es | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

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

SEPTEMBER, 1958

TABLE 39

MADRAS, INDIA (13.1N, 80.3E)

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| fo F2 | MED | 138 | 128 | 108 | 86 | 78 | 69 | 92 | 119 | 131 | 134 | 126 | 122 | 122 | 127 | 132 | 134 | 135 | 131 | 126 | 121 | 122 | 132 | 141 | 144 |
| | CNT | 30 | 27 | 24 | 25 | 29 | 26 | 30 | 29 | 30 | 30 | 30 | 29 | 30 | 25 | 27 | 28 | 30 | 29 | 26 | 28 | 22 | 27 | 26 | 30 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h' F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h' F | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | | | | | | U 330 | 310 | 290 | 245 | 215 | 215 | 210 | 210 | 210 | 215 | 215 | U 220 | | | | | | | |
| | CNT | | | | | 2 | 8 | 18 | 21 | 27 | 18 | 14 | 23 | 23 | 17 | 21 | 17 | 6 | 4 | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| fo F1 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| fo E | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| h' E | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| fo Es | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

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

SEPTEMBER, 1958

TABLE 40

TIRUCHY, INDIA (10.8N, 78.7E)

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| fo F2 | MED | U 121 | | U 92 | D 100 | 78 | 64 | 87 | 118 | 132 | 132 | 126 | 122 | 124 | 125 | 134 | 134 | 136 | 129 | 124 | 114 | | | U 126 | U 133 |
| | CNT | 7 | 4 | 6 | 12 | 12 | 18 | 28 | 24 | 25 | 15 | 29 | 30 | 30 | 25 | 25 | 28 | 12 | 25 | 22 | 13 | 3 | 4 | 6 | 7 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h' F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h' F | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | | | | | U 320 | U 335 | 330 | 300 | 255 | U 225 | 220 | 220 | 215 | 215 | 215 | 220 | | U 210 | | | | | | |
| | CNT | | | 2 | 1 | 5 | 7 | 19 | 13 | 16 | 8 | 22 | 25 | 25 | 21 | 18 | 11 | | 5 | | | | 1 | | 1 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| fo F1 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| fo E | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| h' E | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| fo Es | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

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

SEPTEMBER, 1958

TABLE 41

KODAIKANAL, INDIA (10.2N, 77.5E)

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| fo F2 | MEO | 116 | U 111 | 98 | 87 | 80 | 58 | 79 | 113 | 130 | 133 | 126 | 122 | 120 | 125 | 128 | 129 | 128 | 126 | 120 | U 106 | U 105 | | U 127 | 128 |
| | CNT | 14 | 17 | 16 | 20 | 19 | 19 | 28 | 30 | 30 | 29 | 24 | 24 | 24 | 23 | 26 | 29 | 29 | 29 | 27 | 20 | 5 | 4 | 6 | 9 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MEO | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MEO | 260 | 240 | 240 | 230 | 230 | 220 | 265 | 240 | 230 | 220 | 220 | 215 | 215 | 215 | 220 | 225 | 245 | 265 | 230 | 465 | U 430 | U 360 | 320 | 285 |
| | CNT | 30 | 30 | 30 | 30 | 29 | 30 | 30 | 30 | 30 | 29 | 24 | 24 | 24 | 23 | 25 | 28 | 29 | 29 | 30 | 28 | 21 | 24 | 24 | 29 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MEO | 285 | U 285 | 280 | 300 | 210 | 315 | 295 | 285 | 250 | 220 | 215 | 215 | 210 | 205 | 205 | 210 | 210 | 215 | 210 | 205 | U 200 | 205 | | 280 |
| | CNT | 14 | 17 | 15 | 20 | 19 | 19 | 28 | 30 | 30 | 29 | 24 | 24 | 24 | 23 | 26 | 29 | 29 | 29 | 27 | 20 | 5 | 4 | 6 | 9 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| fo F1 | MEO | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| fo E | MEO | | | | | | | | 300 | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | 18 | 3 | 1 | | | | | 2 | 3 | 3 | | | | | | | |
| h'E | MEO | | | | | | | | 115 | 110 | 110 | | | | | 110 | 115 | 115 | 120 | | | | | | |
| | CNT | | | | | | | 1 | 26 | 19 | 8 | 1 | 1 | 2 | | 9 | 9 | 13 | 5 | | | | | | |
| fo Es | MEO | | 28 | | | | | 57 | 50 | 97 | 108 | 116 | 118 | 114 | 114 | 110 | 106 | 86 | 76 | | | | | | 43 |
| | CNT | 4 | 5 | 1 | | | 1 | 5 | 30 | 30 | 29 | 23 | 23 | 24 | 23 | 26 | 29 | 29 | 24 | | | | 1 | 1 | 7 |

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS.

SEPTEMBER, 1958

TABLE 42

TRIVANDRUM, INDIA (8.5N, 77.0E)

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| fo F2 | MEO | U 99 | U 98 | D 95 | 92 | 81 | 52 | 80 | 115 | 133 | 136 | 128 | 123 | 122 | 124 | 129 | 130 | 130 | 132 | Q 115 | U 100 | | | | U 92 |
| | CNT | 6 | 7 | 11 | 12 | 15 | 16 | 24 | 28 | 30 | 21 | 23 | 29 | 30 | 30 | 30 | 28 | 28 | 23 | 26 | 6 | | | | 5 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MEO | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MEO | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MEO | | | | U 310 | 325 | 329 | 319 | 399 | 255 | 220 | 220 | 220 | 220 | 215 | 215 | 215 | 215 | 215 | | | | | | |
| | CNT | 2 | 2 | 2 | 5 | 12 | 16 | 22 | 26 | 29 | 20 | 28 | 28 | 28 | 30 | 29 | 27 | 24 | 11 | 1 | | | | | 2 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| fo F1 | MEO | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| fo E | MEO | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| h'E | MEO | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| fo Es | MEO | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

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

SEPTEMBER, 1958

TABLE 43

TOWNSVILLE, AUSTRALIA (19.3S, 146.7E)

TIME 150.0E

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MEO | | D 70 | D 65 | D 61 | Q 65 | Q 63 | Q 68 | Q 110 | U 134 | 136 | 135 | 131 | 128 | 122 | 120 | 119 | D 110 | D 110 | | | | | | |
| | CNT | 3 | 10 | 13 | 15 | 16 | 17 | 6 | 9 | 19 | 17 | 18 | 30 | 22 | 24 | 22 | 23 | 17 | 6 | 1 | | | | | |
| | UQ | | 73 | 68 | 65 | 68 | 70 | 70 | 116 | 137 | 140 | 138 | 136 | 130 | 128 | 124 | 120 | 114 | 110 | | | | | | |
| | LQ | | 68 | 58 | 60 | 57 | 60 | 56 | 110 | 128 | 130 | 130 | 127 | 122 | 120 | 119 | 116 | 110 | 110 | | | | | | |
| h'F2 | MEO | | | | | | | | | | | | | 400 | 400 | 400 | | | | | | | | | |
| | CNT | | | | | | | | | 4 | 1 | | | 5 | 8 | 10 | 3 | | | 1 | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MEO | 240 | 250 | 245 | 255 | 280 | 300 | 295 | 250 | 240 | 230 | 225 | 220 | 220 | 220 | 210 | 225 | 240 | 250 | 280 | 290 | 280 | 270 | 260 | 250 |
| | CNT | 21 | 21 | 21 | 19 | 21 | 19 | 20 | 21 | 20 | 17 | 17 | 19 | 21 | 20 | 19 | 21 | 21 | 21 | 21 | 21 | 20 | 21 | 21 | 20 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MEO | | | | | 265 | 270 | | | 310 | 290 | 285 | 270 | 265 | 255 | 255 | 250 | | | | | | | | |
| | CNT | | | 2 | 3 | 6 | 12 | 2 | | 14 | 14 | 18 | 18 | 20 | 22 | 20 | 15 | 2 | | | | | | | |
| | UQ | | | | | 275 | 280 | | | 315 | 305 | 290 | 280 | 270 | 260 | 260 | 260 | | | | | | | | |
| | LQ | | | | | 260 | 260 | | | 300 | 285 | 275 | 265 | 260 | 250 | 250 | 250 | | | | | | | | |
| fo F1 | MEO | | | | | | | | | | | | | 740 | 700 | 680 | 660 | | | | | | | | |
| | CNT | | | | | | | | | | | | 1 | 6 | 9 | 10 | 7 | | | | | | | | |
| fo E | MEO | | | | | | | E 170 | 280 | 330 | 375 | 390 | 405 | 410 | 410 | 390 | 370 | 345 | 300 | 195 | | | | | |
| | CNT | | | | | | | 18 | 21 | 20 | 15 | 17 | 13 | 14 | 15 | 14 | 16 | 22 | 20 | 19 | | | | | |
| h'E | MEO | | | | | | | | 120 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 120 | | | | | |
| | CNT | | | | | | | 3 | 17 | 19 | 16 | 18 | 18 | 19 | 21 | 21 | 22 | 20 | 18 | 5 | | | | | |
| fo Es | MEO | E 10 | E 10 | E 10 | E 10 | E 10 | E 10 | E 17 | E 28 | E 33 | E 38 | E 40 | 49 | E 41 | 54 | E 39 | 40 | 36 | E 30 | E 20 | E 10 | E 10 | E 10 | E 10 | E 10 |
| | CNT | 19 | 20 | 21 | 20 | 20 | 20 | 20 | 21 | 20 | 17 | 18 | 18 | 19 | 23 | 20 | 23 | 23 | 23 | 23 | 21 | 19 | 21 | 20 | 20 |

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

SEPTEMBER, 1958

TABLE 44

YELLOWKNIFE, CANADA (62.4N, 114.4W)

TIME 105.0W

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MEO | 53 | 55 | 55 | 48 | 48 | 51 | 53 | 53 | 57 | 60 | 62 | 66 | 68 | 68 | 70 | 70 | 71 | 70 | 70 | 67 | 63 | 58 | 52 | 53 |
| | CNT | 21 | 20 | 22 | 23 | 22 | 23 | 19 | 17 | 15 | 17 | 16 | 21 | 20 | 21 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 24 | 24 | 23 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MEO | | | | | | | U 470 | 460 | 470 | 490 | 480 | 490 | 500 | 490 | 470 | 450 | 440 | 420 | 410 | U 390 | | | | |
| | CNT | | | | | | 2 | 8 | 13 | 11 | 15 | 14 | 19 | 20 | 21 | 20 | 21 | 20 | 16 | 12 | 7 | 1 | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MEO | 330 | 330 | 320 | 310 | 310 | 300 | 280 | 260 | 220 | 230 | 210 | 220 | 210 | 210 | 220 | 210 | 230 | 230 | 250 | 280 | 300 | 310 | 320 | 340 |
| | CNT | 18 | 20 | 22 | 22 | 20 | 18 | 17 | 16 | 17 | 16 | 14 | 19 | 19 | 19 | 20 | 22 | 20 | 18 | 19 | 20 | 23 | 21 | 21 | 21 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MEO | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| fo F1 | MEO | | | | | | | 380 | 420 | 450 | 490 | 500 | 510 | 510 | 520 | 520 | 510 | 500 | 490 | 450 | U 400 | | | | |
| | CNT | | | | | | 2 | 10 | 15 | 15 | 18 | 16 | 21 | 21 | 21 | 23 | 22 | 22 | 17 | 11 | 6 | 1 | | | |
| fo E | MEO | | | | | | 200 | 280 | 300 | 310 | 330 | 360 | 380 | 380 | 380 | 380 | 350 | 330 | 310 | 300 | 270 | 250 | U 230 | U 230 | |
| | CNT | | | | | 1 | 10 | 12 | 11 | 13 | 12 | 15 | 17 | 18 | 19 | 20 | 19 | 19 | 19 | 17 | 14 | 11 | 7 | 5 | 4 |
| h'E | MEO | | | | | | U 110 | 110 | U 105 | U 110 | U 105 | U 105 | U 105 | 100 | 105 | 105 | 105 | 105 | 105 | 105 | 110 | U 120 | U 123 | U 120 | |
| | CNT | | | | | | 5 | 10 | 7 | 8 | 5 | 8 | 14 | 15 | 14 | 17 | 16 | 19 | 18 | 15 | 13 | 7 | 6 | 5 | 4 |
| fo Es | MEO | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS.

AUGUST, 1958

TABLE 45

YELLOWKNIFE, CANADA (62.4N, 114.4W) TIME 105.0W

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MEO | 50 | 50 | 50 | 49 | 50 | 51 | 50 | 50 | 50 | 45 | 52 | 55 | 60 | 60 | 62 | 62 | 64 | 64 | 63 | 60 | 57 | 56 | 52 | 50 |
| | CNT | 25 | 26 | 26 | 26 | 23 | 24 | 24 | 23 | 24 | 25 | 26 | 27 | 27 | 26 | 27 | 27 | 27 | 25 | 26 | 26 | 26 | 27 | 27 | 22 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MEO | | | | | | 430 | 480 | 520 | 530 | 550 | 610 | 540 | 550 | 550 | 540 | 530 | 490 | 460 | 440 | 420 | 360 | | | |
| | CNT | | | | 2 | 2 | 13 | 18 | 16 | 14 | 11 | 15 | 18 | 22 | 25 | 26 | 27 | 25 | 26 | 24 | 15 | 7 | 1 | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MEO | 300 | 310 | 320 | 340 | 300 | 280 | 250 | 210 | 210 | 210 | 220 | 210 | 220 | 220 | 210 | 210 | 210 | 220 | 250 | 250 | 300 | 310 | 320 | 350 |
| | CNT | 19 | 19 | 23 | 15 | 19 | 22 | 22 | 20 | 15 | 14 | 16 | 18 | 23 | 26 | 22 | 25 | 21 | 22 | 22 | 18 | 19 | 22 | 23 | 17 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MEO | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MEO | | | | | | 470 | 400 | 410 | 450 | 480 | 490 | 490 | 500 | 500 | 500 | 500 | 490 | 490 | 460 | 420 | U 400 | | | |
| | CNT | | | | 2 | 2 | 15 | 23 | 24 | 22 | 23 | 25 | 27 | 27 | 26 | 26 | 27 | 26 | 26 | 24 | 16 | 8 | 1 | | |
| foE | MEO | | | | U | 200 | 230 | 290 | 300 | 320 | 360 | 390 | 390 | 390 | 390 | 380 | 370 | 360 | 320 | 310 | 300 | 290 | 260 | 240 | |
| | CNT | 1 | 1 | 1 | 180 5 | 10 | 18 | 19 | 20 | 18 | 16 | 18 | 20 | 24 | 23 | 25 | 24 | 23 | 22 | 21 | 20 | 16 | 11 | 6 | 2 |
| h'E | MEO | | | | | | U | | | | | | | | | | | | | | | | U | U | |
| | CNT | 1 | 1 | | | 3 | 105 7 | 105 16 | 105 12 | 105 12 | 100 12 | 105 13 | 100 15 | 100 17 | 105 21 | 100 20 | 100 25 | 100 23 | 105 21 | 105 21 | 105 18 | 110 12 | 110 6 | 120 7 | 2 |
| foEs | MEO | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS. JULY, 1958

TABLE 46

CLYDE, BAFFIN I. (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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MEO | 55 | 52 | 49 | 52 | 50 | 51 | 52 | 53 | 57 | 58 | 58 | 60 | 57 | 58 | 60 | 59 | 57 | 58 | 60 | 59 | 58 | 58 | 57 | 55 |
| | CNT | 25 | 25 | 26 | 25 | 20 | 21 | 20 | 16 | 17 | 14 | 18 | 17 | 20 | 22 | 23 | 25 | 26 | 27 | 26 | 27 | 26 | 25 | 24 | 25 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MEO | U 530 | U 550 | U 490 | 600 | 570 | 600 | 690 | U 660 | U 580 | U 570 | 590 | U 570 | 630 | 620 | 620 | 640 | 650 | 560 | 560 | 500 | U 500 | | | |
| | CNT | 6 | 4 | 6 | 11 | 11 | 14 | 11 | 7 | 5 | 5 | 14 | 9 | 15 | 14 | 19 | 22 | 23 | 23 | 24 | 16 | 9 | 3 | 1 | 1 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MEO | 330 | 320 | 300 | 290 | 290 | 280 | 290 | 270 | 270 | 280 | U 270 | 270 | 260 | 270 | 250 | 260 | 270 | 270 | 290 | 290 | 300 | 310 | 330 | 330 |
| | CNT | 24 | 22 | 20 | 20 | 19 | 22 | 18 | 15 | 11 | 10 | 9 | 15 | 21 | 22 | 19 | 21 | 24 | 26 | 25 | 23 | 23 | 21 | 23 | 23 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MEO | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MEO | | U | U | | 410 | 430 | 450 | 460 | 480 | 480 | 480 | 490 | 480 | 490 | 480 | 480 | 470 | 460 | 440 | 410 | 390 | | | |
| | CNT | 5 | 350 7 | 350 9 | 380 17 | 19 | 21 | 22 | 20 | 22 | 21 | 23 | 23 | 24 | 24 | 25 | 25 | 26 | 25 | 25 | 20 | 11 | 3 | 1 | 4 |
| foE | MEO | 200 | 210 | 230 | 250 | 270 | 300 | 310 | 330 | 340 | 360 | 360 | 370 | 360 | 360 | 350 | 340 | 320 | 310 | 300 | 280 | 250 | 230 | 210 | 200 |
| | CNT | 23 | 22 | 22 | 23 | 20 | 21 | 18 | 19 | 18 | 19 | 18 | 20 | 23 | 22 | 20 | 21 | 23 | 25 | 24 | 23 | 22 | 22 | 23 | 24 |
| h'E | MEO | 160 | 150 | 140 | 130 | 120 | 120 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 120 | 130 | 140 | 140 | 160 |
| | CNT | 12 | 12 | 19 | 19 | 18 | 20 | 18 | 18 | 15 | 12 | 12 | 18 | 23 | 22 | 19 | 19 | 21 | 22 | 21 | 21 | 21 | 15 | 16 | 11 |
| foEs | MEO | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS. JUNE, 1958

TABLE 47

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

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MEO | 106 | 95 | 92 | 77 | 62 | 46 | 42 | 60 | U 108 | 128 | U 142 | U 140 | 138 | 144 | 146 | O 150 | 150 | O 147 | 137 | O 135 | O 130 | O 135 | 132 | 125 |
| | CNT | 18 | 25 | 28 | 28 | 27 | 28 | 28 | 27 | 12 | 27 | 28 | 28 | 30 | 24 | 20 | 19 | 17 | 19 | 19 | 11 | 10 | 10 | 15 | 19 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MEO | | | | | | | | | | | U 260 | U 280 | | U 330 | U 335 | U 325 | | | | | | | | |
| | CNT | | | | | | | | | | | 1 | 2 | | 2 | 8 | 9 | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MEO | 220 | 230 | 240 | 240 | 215 | 250 | 250 | 270 | 240 | 230 | 220 | 220 | 210 | 210 | 205 | 225 | 235 | 250 | 240 | 235 | 230 | 230 | 225 | 215 |
| | CNT | 29 | 28 | 28 | 28 | 28 | 27 | 27 | 28 | 28 | 28 | 27 | 25 | 25 | 26 | 22 | 19 | 27 | 29 | 29 | 29 | 27 | 30 | 29 | 29 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MEO | 327 | 316 | 316 | 328 | 314 | 303 | 310 | 310 | U 328 | 333 | U 330 | U 322 | 304 | U 297 | U 294 | U 295 | U 295 | U 304 | U 314 | U 302 | U 296 | U 310 | U 315 | U 332 |
| | CNT | 19 | 18 | 25 | 24 | 23 | 27 | 28 | 26 | 9 | 22 | 26 | 25 | 27 | 20 | 14 | 9 | 8 | 7 | 10 | 5 | 2 | 4 | 7 | 12 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MEO | | | | | | | | | | | | | U 580 | U 710 | | U 580 | | | | | | | | |
| | CNT | | | | | | | | | | | | | 1 | 2 | | 1 | | | | | | | | |
| foE | MEO | | | | | | | | 155 | 260 | 310 | 335 | U 370 | U 370 | U 365 | | U 355 | 300 | 240 | | | | | | |
| | CNT | | | | | | | | 7 | 19 | 10 | 6 | 2 | 1 | 3 | | 4 | 5 | 9 | | | | | | |
| h'E | MEO | | | | | | | | U 155 | 115 | 101 | 101 | 103 | 105 | 101 | 103 | 103 | 109 | 119 | U 101 | | | | | |
| | CNT | | | | | | | | 3 | 27 | 28 | 28 | 27 | 29 | 28 | 24 | 20 | 20 | 12 | 1 | | | | | |
| foEs | MEO | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS. JUNE, 1958

TABLE 48

CLYDE, BAFFIN I. (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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MEO | 59 | 56 | 57 | 56 | 57 | 54 | 59 | 57 | 60 | 60 | 60 | 61 | 62 | 63 | 66 | 64 | 65 | 65 | 65 | 64 | 63 | 65 | 61 | 60 |
| | CNT | 27 | 25 | 24 | 24 | 25 | 24 | 25 | 22 | 22 | 19 | 25 | 26 | 26 | 27 | 26 | 26 | 25 | 27 | 27 | 26 | 26 | 29 | 25 | 27 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MEO | | | U 450 | | U 490 | 550 | 520 | 560 | 610 | 560 | 600 | 570 | 580 | 580 | 570 | 560 | 560 | 520 | 500 | 500 | U 510 | | | |
| | CNT | | 1 | 5 | 4 | 7 | 17 | 15 | 19 | 15 | 16 | 21 | 23 | 18 | 22 | 22 | 22 | 23 | 21 | 14 | 10 | 4 | | 1 | 2 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MEO | 340 | 330 | 330 | 310 | 300 | 290 | 280 | 280 | 280 | 270 | 260 | 250 | 260 | 260 | 260 | 260 | 270 | 280 | 290 | 300 | 300 | 320 | 320 | 320 |
| | CNT | 27 | 25 | 24 | 25 | 24 | 22 | 22 | 21 | 20 | 11 | 19 | 21 | 21 | 26 | 23 | 25 | 24 | 25 | 23 | 25 | 26 | 29 | 16 | 26 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MEO | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MEO | | | U 320 | U 360 | 400 | 410 | 430 | 470 | 480 | 490 | 490 | 480 | 500 | 500 | 480 | 490 | 470 | 450 | 420 | 400 | U 380 | | | |
| | CNT | | 1 | 7 | 6 | 11 | 17 | 19 | 23 | 20 | 20 | 27 | 26 | 25 | 29 | 25 | 26 | 22 | 23 | 16 | 10 | 5 | | 1 | 2 |
| foE | MEO | E | | | | 250 | 280 | 300 | 310 | 320 | 350 | 350 | 360 | 350 | 340 | 330 | 310 | 310 | 290 | 270 | 250 | 220 | 200 | 180 | E |
| | CNT | 13 | 180 17 | 200 20 | 210 20 | 23 | 24 | 22 | 22 | 18 | 13 | 16 | 18 | 20 | 24 | 23 | 24 | 25 | 23 | 22 | 25 | 22 | 16 | 12 | 20 |
| h'E | MEO | | | | 150 | 120 | 115 | 110 | 110 | 110 | 110 | 105 | 105 | 105 | 105 | 105 | 105 | 110 | 110 | 115 | 120 | 140 | | | |
| | CNT | | | 4 | 15 | 21 | 24 | 21 | 20 | 19 | 14 | 20 | 21 | 21 | 24 | 23 | 24 | 23 | 22 | 20 | 21 | 12 | 3 | | |
| foEs | MEO | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS. MAY, 1958

TABLE 49

VICTORIA, CANADA (48.4N, 123.4W) TIME 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 56 | 52 | 51 | 48 | 44 | 52 | 61 | 65 | 68 | 72 | 78 | 79 | 78 | 82 | 79 | 82 | 80 | 78 | 77 | 75 | 72 | 71 | 64 | 60 |
| | CNT | 28 | 28 | 27 | 28 | 28 | 27 | 27 | 27 | 27 | 26 | 26 | 25 | 25 | 24 | 25 | 28 | 29 | 27 | 27 | 27 | 27 | 27 | 27 | 28 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | U | | 480 | 500 | 480 | 460 | 450 | 460 | 470 | 460 | 420 | 400 | U | | | | | |
| | CNT | | | | | | 4 | 530 | 500 | 24 | 22 | 25 | 24 | 23 | 22 | 21 | 28 | 26 | 16 | 470 | | | | | |
| | UQ | | | | | | | 8 | 18 | | | | | | | | | | | 5 | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 300 | 310 | 340 | 340 | 320 | 280 | 240 | 220 | 210 | 210 | 200 | 200 | 210 | 210 | 210 | 210 | 220 | 220 | 240 | 260 | 260 | 270 | 280 | 300 |
| | CNT | 26 | 24 | 27 | 22 | 24 | 23 | 26 | 25 | 22 | 17 | 20 | 16 | 23 | 19 | 21 | 26 | 27 | 25 | 22 | 24 | 24 | 26 | 25 | 26 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | U | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | 350 | 420 | 480 | 500 | 530 | 540 | 550 | 560 | 560 | 560 | 570 | 530 | 500 | | | | | | |
| | | | | | | | 5 | 10 | 20 | 26 | 24 | 26 | 25 | 25 | 24 | 24 | 28 | 25 | 13 | 4 | | | | | |
| foE | MED | | | | | | U | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | 200 | 260 | 300 | 330 | 360 | 380 | 390 | 400 | 400 | 390 | 380 | 350 | 320 | 280 | 220 | | | | |
| | | | | | | | 8 | 27 | 26 | 26 | 24 | 24 | 23 | 24 | 22 | 22 | 25 | 28 | 26 | 25 | 12 | | | | |
| h'E | MED | | | | | | | | | | | | | | | | | | | U | | | | | |
| | CNT | | | | | | | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 110 | | | | |
| | | | | | | | 3 | 23 | 24 | 25 | 23 | 21 | 23 | 24 | 20 | 20 | 24 | 26 | 25 | 24 | 7 | | | | |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.6 TO 20.0 MC IN 15 SECONDS. MAY, 1958

TABLE 50

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

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 134 | 130 | 111 | 92 | 81 | 52 | 47 | 76 | 122 | 140 | 146 | 150 | 153 | D | U | U | U | U | Q | U | U | U | U | |
| | CNT | 26 | 27 | 24 | 27 | 27 | 27 | 27 | 26 | 23 | 24 | 20 | 23 | 22 | 155 | 160 | 168 | 174 | 172 | 150 | 144 | 145 | 156 | 148 | 140 |
| | UQ | | | | | | | | | | | | | | 18 | 9 | 5 | 3 | 3 | 10 | 8 | 8 | 5 | 9 | 17 |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 225 | 230 | 220 | 220 | 210 | 230 | 260 | 270 | 235 | 225 | 220 | 210 | 210 | 210 | 218 | 235 | 240 | 250 | 252 | 258 | 250 | 235 | 220 | 220 |
| | CNT | 28 | 28 | 28 | 28 | 28 | 23 | 23 | 27 | 27 | 26 | 25 | 22 | 22 | 19 | 14 | 22 | 26 | 27 | 28 | 28 | 28 | 29 | 28 | 28 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 308 | 316 | 328 | 324 | 342 | 300 | 294 | 299 | 325 | 333 | 322 | 312 | 322 | U | U | U | U | U | U | U | U | U | U | |
| | CNT | 20 | 21 | 21 | 25 | 26 | 25 | 26 | 23 | 26 | 19 | 14 | 17 | 14 | 285 | 293 | 290 | 293 | 297 | 290 | 283 | 286 | 302 | 304 | 314 |
| | UQ | | | | | | | | | | | | | | 9 | 5 | 1 | 3 | 1 | 4 | 3 | 4 | 2 | 2 | 11 |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| foE | MED | | | | | | | | 195 | 270 | 322 | | | 385 | U | | | 312 | 235 | 265 | | | | | |
| | CNT | | | | | | | | 17 | 22 | 14 | | | 1 | 390 | 370 | 365 | 16 | 12 | 1 | | | | | |
| | | | | | | | | | | | | | | | 1 | 2 | 4 | | | | | | | | |
| h'E | MED | | | | | | | | 145 | 105 | 101 | 101 | 101 | 101 | 101 | 101 | 105 | 105 | 111 | | | | | | |
| | CNT | | | | | | | | 12 | 26 | 25 | 26 | 27 | 26 | 23 | 25 | 21 | 19 | 9 | | | | | | |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS. MAY, 1958

TABLE 51

CLYDE, BAFFIN I. (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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 55 | 56 | 52 | 56 | 53 | 53 | 60 | 60 | 60 | 68 | 61 | 69 | 66 | 64 | 62 | 68 | 64 | 65 | 67 | 65 | 62 | 60 | 60 | 60 |
| | CNT | 23 | 24 | 24 | 24 | 21 | 22 | 24 | 19 | 18 | 12 | 18 | 19 | 28 | 20 | 21 | 22 | 22 | 25 | 23 | 25 | 25 | 24 | 24 | 22 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | U | U | | U | | | | | | | | | U | | | | | |
| | CNT | | | | | 3 | 4 | 510 | 570 | 670 | 650 | 640 | 650 | 580 | 640 | 600 | 580 | 570 | 570 | 540 | 1 | | | | |
| | UQ | | | | | | | 9 | 8 | 9 | 5 | 13 | 14 | 13 | 16 | 17 | 17 | 14 | 12 | 5 | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 340 | 350 | 360 | 350 | 340 | 310 | 310 | 300 | 290 | U | 300 | 300 | 290 | 290 | 290 | 300 | 300 | 300 | 310 | 320 | 340 | 360 | 350 | 330 |
| | CNT | 23 | 22 | 24 | 24 | 23 | 22 | 23 | 16 | 12 | 7 | 11 | 12 | 15 | 18 | 20 | 20 | 22 | 23 | 24 | 25 | 24 | 24 | 23 | 23 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | U | | | | U | | | | | | | | | U | | | | | |
| | CNT | | | | | 2 | 380 | 400 | 410 | 420 | 420 | 450 | 470 | 480 | 480 | 470 | 460 | 420 | 410 | 410 | 1 | | | | |
| | | | | | | | 5 | 11 | 13 | 12 | 7 | 13 | 17 | 17 | 16 | 18 | 18 | 14 | 13 | 5 | | | | | |
| foE | MED | | | | 190 | 210 | 220 | 270 | 300 | 300 | 310 | U | 330 | 320 | 320 | 310 | 300 | 280 | 260 | 220 | 200 | U | | | |
| | CNT | | | 4 | 8 | 14 | 17 | 17 | 15 | 12 | 9 | 6 | 9 | 11 | 13 | 17 | 17 | 19 | 20 | 21 | 15 | 200 | | 2 | |
| | | | | | | | | | | | | 320 | | | | | | | | | | 2 | | | |
| h'E | MED | | | | | U | U | | | 115 | U | U | 115 | 110 | 115 | 115 | 120 | 120 | 130 | 130 | 130 | | | | |
| | CNT | | | | 2 | 120 | 120 | 120 | 120 | 9 | 120 | 115 | 10 | 12 | 5 | 16 | 16 | 18 | 18 | 17 | 10 | 3 | | | |
| | | | | | | 6 | 11 | 17 | 17 | | 8 | 5 | | | | | | | | | | | | | |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS. APRIL, 1958

TABLE 52

VICTORIA, CANADA (48.4N, 123.4W) TIME 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 67 | 56 | 52 | 51 | 50 | 50 | 60 | 69 | 79 | 89 | 93 | 98 | 102 | 103 | 102 | 102 | 102 | 99 | 95 | 93 | 83 | 74 | 66 | 61 |
| | CNT | 29 | 29 | 28 | 28 | 28 | 28 | 27 | 27 | 27 | 27 | 27 | 27 | 28 | 27 | 28 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | | U | U | | | | | | | | | | | | | | |
| | CNT | | | | | | | 1 | 2 | 520 | 530 | 510 | 500 | 470 | 450 | 420 | 410 | 3 | 1 | | | | | | |
| | UQ | | | | | | | | | 5 | 6 | 11 | 13 | 14 | 17 | 14 | 10 | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 320 | 350 | 370 | 380 | 370 | 340 | 290 | 260 | 260 | 250 | 220 | 230 | 210 | 230 | 260 | 230 | 230 | 260 | 280 | 280 | 260 | 280 | 300 | 310 |
| | CNT | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 25 | 26 | 26 | 23 | 27 | 28 | 29 | 29 | 29 | 28 | 28 | 29 | 29 | 28 | 26 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | | 500 | 540 | 600 | 620 | 610 | 630 | 620 | 600 | | | | | | | | |
| | CNT | | | | | | | 1 | 2 | 5 | 6 | 10 | 12 | 13 | 16 | 13 | 10 | 3 | 1 | | | | | | |
| foE | MED | | | | | | | 220 | 290 | 320 | 370 | 390 | 400 | 400 | 400 | 390 | 380 | 350 | 300 | 260 | U | | | | |
| | CNT | | | | | | 2 | 20 | 26 | 27 | 26 | 24 | 25 | 27 | 26 | 27 | 29 | 29 | 29 | 28 | 210 | | | | |
| | | | | | | | | | | | | | | | | | | | | | 5 | | | | |
| h'E | MED | | | | | | | 105 | 100 | 110 | 105 | 110 | 105 | 100 | 110 | 110 | 100 | 100 | 105 | 105 | | | | | |
| | CNT | | | | | | | 11 | 24 | 27 | 26 | 25 | 26 | 25 | 25 | 25 | 27 | 28 | 29 | 15 | 1 | | | | |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.6 TO 20.0 MC IN 15 SECONDS. APRIL, 1958

TABLE 53

VICTORIA, CANADA (48.4N, 123.4W) TIME 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 46 | 49 | 49 | 44 | 43 | 42 | 44 | 61 | 80 | 90 | 99 | 101 | 110 | 114 | 120 | 123 | 121 | 117 | 112 | 98 | 80 | 70 | 57 | 50 |
| | CNT | 24 | 23 | 22 | 23 | 24 | 25 | 24 | 24 | 26 | 26 | 27 | 27 | 28 | 27 | 28 | 27 | 27 | 26 | 26 | 26 | 26 | 26 | 25 | 24 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | | | | U | | | | | | | | | | | | | |
| | CNT | | | | | | | | | 2 | 2 | 4 | 5 | 4 | 4 | 2 | 1 | | | | | | | | |
| | UQ | | | | | | | | | | | 400 | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 310 | 310 | 320 | 330 | 310 | 320 | 300 | 250 | 230 | 230 | 220 | 210 | 220 | 220 | 220 | 220 | 220 | 220 | 230 | 210 | 220 | 240 | 270 | 280 |
| | CNT | 23 | 22 | 23 | 26 | 25 | 23 | 27 | 26 | 27 | 27 | 26 | 22 | 28 | 26 | 25 | 26 | 29 | 28 | 27 | 28 | 27 | 28 | 25 | 24 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | | | | U | | | | | | | | | | | | | |
| | CNT | | | | | | | | | 3 | 4 | 4 | 6 | 4 | 4 | 2 | 1 | | | | | | | | |
| | UQ | | | | | | | | | | | 540 | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foE | MED | | | | | | | | 230 | 280 | 320 | 350 | 370 | 380 | 380 | 360 | 330 | 300 | 270 | 210 | | | | | |
| | CNT | | | | | | | 1 | 14 | 24 | 23 | 24 | 24 | 25 | 25 | 25 | 26 | 27 | 25 | 14 | | | | | |
| h'E | MED | | | | | | | | U | 110 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | U | | | | | | |
| | CNT | | | | | | | | 110 | 18 | 22 | 25 | 24 | 24 | 25 | 24 | 24 | 25 | 110 | | | | | | |
| | UQ | | | | | | | | 6 | | | | | | | | | | 9 | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.6 TO 20.0 MC IN 15 SECONDS. MARCH, 1958

TABLE 54

VICTORIA, CANADA (48.4N, 123.4W) TIME 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 44 | 44 | 45 | 42 | 39 | 37 | 37 | 45 | 76 | 99 | 115 | 132 | 134 | 135 | 136 | 135 | 131 | 128 | 117 | 100 | 77 | 61 | 52 | 50 |
| | CNT | 26 | 25 | 25 | 25 | 24 | 24 | 25 | 25 | 24 | 25 | 25 | 25 | 26 | 26 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | | | | | | | 2 | 1 | 1 | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 250 | 260 | 280 | 280 | 290 | 300 | 290 | 260 | 220 | 220 | 210 | 210 | 210 | 210 | 210 | 210 | 210 | 210 | 200 | 200 | 200 | 210 | 220 | 230 |
| | CNT | 24 | 22 | 20 | 18 | 17 | 14 | 16 | 23 | 24 | 25 | 25 | 23 | 25 | 26 | 27 | 27 | 27 | 27 | 29 | 27 | 26 | 24 | 27 | 23 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | | | | | | 1 | 2 | 1 | 1 | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| foE | MED | | | | | | | | | 250 | 280 | 300 | 330 | 340 | 340 | 330 | 300 | 290 | 250 | | | | | | |
| | CNT | | | | | | | | 2 | 24 | 25 | 25 | 25 | 26 | 26 | 27 | 27 | 27 | 26 | | | | | | |
| h'E | MED | | | | | | | | | | 100 | 100 | 100 | 100 | 100 | 100 | 100 | U | | | | | | | |
| | CNT | | | | | | | | 4 | 10 | 17 | 17 | 24 | 21 | 22 | 18 | | 5 | | | | | | | |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.6 TO 20.0 MC IN 15 SECONDS. FEBRUARY, 1958

TABLE 55

YELLOWKNIFE, CANADA (62.4N, 114.4W) TIME 105.0W

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 53 | 50 | 51 | 54 | 50 | 48 | 48 | 46 | 51 | 62 | 82 | 85 | 88 | 110 | 131 | 132 | 124 | 104 | 76 | 56 | 66 | 60 | 63 | 53 |
| | CNT | 13 | 17 | 23 | 20 | 19 | 14 | 17 | 16 | 16 | 15 | 18 | 22 | 25 | 25 | 24 | 24 | 24 | 22 | 21 | 16 | 18 | 18 | 16 | 13 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 330 | 320 | 320 | 300 | 330 | 380 | 380 | 310 | 320 | 320 | 280 | 280 | 280 | 260 | 260 | 270 | 260 | 270 | 280 | 280 | 300 | 290 | 330 | 310 |
| | CNT | 11 | 8 | 14 | 9 | 11 | 9 | 11 | 9 | 10 | 12 | 10 | 18 | 23 | 23 | 25 | 25 | 24 | 22 | 20 | 15 | 15 | 9 | 10 | 8 |
| | UQ | | | | | | | | | | | | | | | | | | | | | U | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| foE | MED | U | | U | U | U | U | U | U | U | U | | U | | U | U | U | U | | | | U | U | U | U |
| | CNT | 230 | | 200 | 190 | 200 | 230 | 260 | 260 | 260 | 260 | 220 | 250 | 240 | 250 | 230 | 210 | 180 | | | 220 | 260 | 260 | 260 | 250 |
| | UQ | 5 | 4 | 6 | 7 | 9 | 6 | 10 | 8 | 9 | 9 | 11 | 9 | 12 | 8 | 9 | 15 | 8 | 3 | 4 | 5 | 8 | 9 | 8 | 6 |
| h'E | MED | | | | | | | | | | | | | | | | | | | | | U | | | |
| | CNT | 1 | | | 1 | 1 | 1 | 2 | 2 | 1 | | | | 1 | | | 1 | | 1 | 2 | 2 | 120 | 1 | 1 | 1 |
| | UQ | | | | | | | | | | | | | | | | | | | | | K | | | |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS. DECEMBER, 1957

TABLE 56

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

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 42 | 38 | 38 | 36 | 36 | 35 | | 35 | 68 | 102 | 139 | 150 | | 151 | 150 | 142 | 134 | 106 | | | | 52 | 47 | 44 |
| | CNT | 18 | 20 | 20 | 19 | 20 | 15 | 13 | 13 | 13 | 16 | 12 | 13 | 12 | 15 | 14 | 12 | 13 | 12 | 13 | 14 | 13 | 16 | 13 | 16 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 240 | 245 | 240 | 245 | 240 | 245 | | | | | | | | | | | | | | | | | | 240 |
| | CNT | 15 | 16 | 16 | 13 | 14 | 13 | 19 | 16 | 15 | 14 | 19 | 17 | 17 | 14 | 15 | 19 | 17 | 18 | 17 | 18 | 14 | 14 | 15 | 13 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| foE | MED | | | E | E | F | | | | | | | | | | | | | | | | | | | |
| | CNT | 24 | 15 | 15 | 16 | 14 | 17 | 22 | 24 | 22 | 19 | 22 | 23 | 22 | 21 | 21 | 19 | 21 | 23 | 24 | 24 | 24 | 24 | 24 | 24 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'E | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foEs | MED | | | E | E | E | | | | | | | | | | | | | | | | | | | |
| | CNT | 24 | 15 | 15 | 16 | 14 | 17 | 19 | 24 | 21 | 19 | 21 | 22 | 20 | 20 | 20 | 18 | 19 | 17 | 23 | 21 | 23 | 20 | 24 | 24 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 0.5 MC TO 20.0 MC IN 20 SECONDS. DECEMBER, 1957

TABLE 57

HOLLANDIA, NETHERLANDS NEW GUINEA (2.5S, 140.8E) TIME 0.0

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 113 | 120 | 123 | 126 | 125 | D 125 | 125 | D 125 | 122 | 119 | 118 | 114 | D 99 | D 98 | 95 | D 95 | 94 | 87 | 82 | 80 | 78 | 88 | 98 | 108 |
| | CNT | 27 | 26 | 27 | 26 | 27 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 29 | 29 | 29 | 29 | 28 | 28 | 28 | 28 | 28 | 28 | 27 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | 510 | 495 | 500 | 500 | 490 | 470 | 465 | | 350 | 380 | 335 | 300 | 290 | 310 | 310 | 300 | 295 | 280 | 250 | 250 | 230 | 220 | |
| | CNT | 3 | 9 | 9 | 13 | 16 | 20 | 15 | 6 | 2 | 21 | 27 | 28 | 27 | 29 | 29 | 29 | 29 | 28 | 28 | 28 | 27 | 25 | 13 | 3 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 230 | 225 | 215 | 225 | 220 | 225 | 225 | 230 | 225 | 230 | 230 | 250 | 255 | 250 | 250 | 250 | 260 | 260 | 265 | 275 | 280 | 285 | 270 | 250 |
| | CNT | 24 | 21 | 15 | 8 | 9 | 10 | 15 | 15 | 21 | 21 | 19 | 16 | 9 | 16 | 23 | 23 | 26 | 25 | 28 | 28 | 28 | 28 | 24 | 26 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | 730 | 740 | 720 | 700 | 700 | 690 | 690 | | | | | | | | | | | | | | | | |
| | CNT | 3 | 7 | 6 | 5 | 9 | 13 | 14 | 6 | 1 | | | | | | | | | | | | | | 1 | 2 |
| foE | MED | | | | | | | 380 | 330 | 260 | | | | | | | | | | | | 200 | 290 | 360 | 390 |
| | CNT | 2 | 2 | 1 | 1 | | 2 | 9 | 22 | 19 | 1 | | | | | | | | | | 1 | 19 | 27 | 18 | 9 |
| h'E | MED | 100 | | | | 100 | 100 | 100 | 100 | 105 | | | | | | | | | | | | 100 | 100 | 100 | 100 |
| | CNT | 13 | 4 | 1 | 3 | 7 | 10 | 19 | 18 | 10 | 2 | | | | | | | | | | 1 | 10 | 22 | 21 | 19 |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.4 MC TO 20.0 MC IN 40 SECONDS. DECEMBER. 1957

TABLE 58

YELLOWKNIFE, CANADA (62.4N, 114.4W) TIME 105.0W

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | | 54 | 56 | 57 | 51 | 50 | 60 | 60 | 59 | 81 | 94 | 111 | 101 | 108 | 125 | 132 | 126 | 115 | 91 | 69 | 70 | 56 | 52 | 49 |
| | CNT | 3 | 12 | 14 | 13 | 12 | 12 | 10 | 10 | 10 | 12 | 14 | 13 | 14 | 14 | 15 | 14 | 17 | 16 | 13 | 11 | 10 | 10 | 12 | 13 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UD | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | U 300 | U 250 | | U 300 | U 300 | | | | | U 290 | | | U 270 | U 260 | U 260 | U 260 | U 260 | U 250 | | U 300 | U 300 | | | |
| | CNT | 5 | 5 | 3 | 8 | 5 | 4 | 3 | 4 | 3 | 5 | 3 | 4 | 6 | 7 | 7 | 8 | 9 | 9 | 4 | 5 | 5 | 4 | 3 | 4 |
| | UD | | | | | | | | | | | | | | | | | | | | | | | | |
| | LD | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LD | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| foE | MED | | | | | | | U 250 | U 290 | U 250 | U 300 | U 270 | U 260 | U 290 | U 280 | U 260 | U 220 | U 200 | U 200 | | | | | | |
| | CNT | 2 | 1 | 1 | 1 | 1 | 4 | 5 | 5 | 5 | 8 | 6 | 6 | 7 | 9 | 8 | 10 | 8 | 5 | 4 | 3 | 4 | 4 | 3 | 3 |
| h'E | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS. NOVEMBER. 1957

TABLE 59

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

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 58 | 55 | 54 | 53 | 49 | 46 | 41 | 37 | 99 | 130 | 143 | 145 | D 150 | 147 | 145 | 140 | 138 | 126 | 106 | 88 | 74 | 66 | 60 | 58 |
| | CNT | 26 | 27 | 26 | 25 | 24 | 24 | 27 | 24 | 24 | 27 | 23 | 21 | 25 | 22 | 23 | 20 | 22 | 22 | 22 | 24 | 25 | 21 | 20 | 24 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 235 | 230 | 230 | 240 | 240 | 245 | 250 | 255 | 275 | 275 | | | | | | | | 270 | 260 | 260 | 250 | 240 | 235 | 235 |
| | CNT | 24 | 27 | 25 | 23 | 24 | 23 | 25 | 23 | 24 | 23 | 17 | 19 | 21 | 20 | 19 | 18 | 17 | 16 | 17 | 20 | 23 | 17 | 16 | 21 |
| | UD | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| foE | MED | | E | E | E | E | | | | | | | | | | | | | | | | | | | |
| | CNT | 27 | 22 | 23 | 22 | 22 | 21 | 28 | 28 | 205 | 240 | 280 | 305 | 310 | 300 | 270 | 240 | 23 | 29 | 30 | 30 | 30 | 29 | 30 | 30 |
| | | | | | | | | | | 16 | 15 | 16 | 16 | 17 | 21 | 17 | 14 | | | | | | | | |
| h'E | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| foEs | MED | | E | E | E | E | | | | | | | | | | | | | | | | | | | |
| | CNT | 28 | 23 | 26 | 24 | 24 | 18 | 27 | 28 | 22 | 21 | 23 | 23 | 20 | 25 | 22 | 25 | 22 | 27 | 30 | 29 | 30 | 29 | 30 | 30 |

SWEEP 0.5 MC TO 20.0 MC IN 20 SECONDS. NOVEMBER. 1957

TABLE 60

USHUAIA, ARGENTINA (54.8S, 68.3W) TIME 60.0W

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 85 | 84 | 82 | 82 | 83 | 82 | 85 | 85 | 87 | 90 | 92 | 90 | 92 | 92 | 88 | 86 | 85 | 82 | 81 | 82 | 82 | 84 | 83 | 84 |
| | CNT | 23 | 25 | 24 | 25 | 24 | 24 | 25 | 21 | 16 | 10 | 9 | 12 | 11 | 12 | 11 | 8 | 14 | 18 | 23 | 23 | 21 | 21 | 23 | 22 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | 535 | 420 | 435 | 455 | 450 | 455 | 410 | 440 | 410 | 400 | 410 | 420 | 400 | 420 | 470 | 380 | | | | |
| | CNT | | | | | 2 | 9 | 10 | 10 | 10 | 7 | 8 | 11 | 11 | 10 | 5 | 5 | 7 | 1 | 2 | 1 | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 320 | 320 | 340 | 320 | 330 | 280 | 250 | 230 | 220 | 210 | 220 | 220 | 210 | 210 | 240 | 210 | 210 | 220 | 250 | 270 | 300 | 320 | 330 | 340 |
| | CNT | 22 | 24 | 24 | 25 | 21 | 20 | 21 | 15 | 6 | 1 | 2 | 5 | 7 | 2 | 1 | 5 | 10 | 8 | 16 | 16 | 17 | 25 | 19 | 19 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 260 | 260 | 240 | 250 | 240 | 250 | 260 | 260 | 250 | 260 | 260 | 270 | 270 | 270 | 275 | 260 | 270 | 260 | 260 | 260 | 260 | 255 | 260 | 260 |
| | CNT | 19 | 23 | 23 | 23 | 22 | 19 | 19 | 19 | 12 | 8 | 8 | 10 | 9 | 8 | 9 | 6 | 14 | 18 | 22 | 23 | 21 | 20 | 22 | 17 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | 290 | 400 | 460 | 460 | 550 | 600 | 620 | 620 | 620 | 620 | 600 | 600 | 600 | 600 | 530 | 620 | | | | |
| | CNT | | | | | 2 | 4 | 10 | 8 | 7 | 5 | 7 | 10 | 10 | 9 | 5 | 5 | 5 | 1 | 3 | 1 | | | | |
| foE | MED | | | | E | E | | | | U 340 | 330 | U 280 | | 380 | | | U 370 | U 370 | U 330 | 280 | 210 | 190 | | | |
| | CNT | | | | 5 | 18 | 180 | 250 | 290 | 6 | 1 | 2 | | 3 | | | 3 | 3 | 9 | 14 | 7 | 1 | | | |
| | | | | | | | 14 | 15 | 11 | | | | | | | | | | | | | | | | |
| h'E | MED | | | | E | E | | 99 | 99 | 99 | 99 | 94 | 85 | 85 | 85 | 92 | 85 | 92 | 99 | 99 | 99 | 99 | | | |
| | CNT | | | | 5 | 18 | | 11 | 13 | 11 | 8 | 3 | 6 | 5 | 8 | 6 | 2 | 3 | 4 | 9 | 15 | 7 | 1 | | |
| foEs | MED | F | E | E | E | E | G | G | 35 | 34 | 41 | G | 42 | G | G | 38 | G | G | G | 29 | 30 | 27 | 23 | 28 | 22 |
| | CNT | 22 | 21 | 20 | 23 | 22 | 18 | 22 | 19 | 15 | 10 | 10 | 14 | 14 | 12 | 12 | 11 | 15 | 18 | 22 | 19 | 19 | 19 | 22 | 19 |

SWEEP 1.3 MC TO 18.0 MC IN 30 SECONDS. NOVEMBER. 1957

TABLE 61

JULIUSRUH/RUGEN. GERMANY (54.6N. 13.4E)

TIME 15.0E

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 60 | 56 | 56 | 54 | 50 | 47 | 51 | 77 | 106 | 121 | 135 | 135 | 135 | 134 | 133 | 124 | 124 | 121 | | | | 75 | 69 | 63 |
| | CNT | 19 | 25 | 26 | 27 | 28 | 25 | 21 | 26 | 26 | 22 | 19 | 18 | 22 | 18 | 16 | 15 | 18 | 17 | 19 | 18 | 20 | 15 | 14 | 20 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 240 | 235 | 240 | 250 | 250 | 250 | 260 | 285 | 285 | 275 | | | | | | | | | | | | | | |
| | CNT | 17 | 23 | 26 | 23 | 25 | 20 | 18 | 25 | 20 | 16 | 19 | 22 | 21 | 23 | 23 | 24 | 21 | 20 | 26 | 25 | 23 | 22 | 21 | 19 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| foE | MED | | E | E | E | E | E | | | | | | | | | | | | | | | | | | |
| | CNT | 31 | 31 | 31 | 31 | 31 | 31 | 28 | 17 | 23 | 24 | 20 | 19 | 25 | 20 | 19 | 14 | 18 | 26 | 31 | 31 | 31 | 31 | 31 | 31 |
| h'E | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| foEs | MED | | E | E | E | E | G | | G | G | | | | | | | | G | | | | | | | |
| | CNT | 31 | 29 | 21 | 20 | 25 | 26 | 28 | 27 | 20 | 33 | 35 | 38 | 37 | G | | | 24 | 28 | 28 | 31 | 30 | 30 | 31 | 31 |
| | | | | | | | | | | | 19 | 15 | 20 | 15 | 22 | 24 | 26 | | | | | | | | |

SWEEP 0.5 MC TO 20.0 MC IN 20 SECONDS.

OCTOBER. 1957

TABLE 62

TSUMEB. SOUTH W. AFRICA (19.2S. 17.7E)

TIME 15.0E

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 66 | 59 | 52 | 48 | 45 | 37 | 37 | 100 | 1125 | 122 | 126 | 1255 | 124 | 126 | 125 | 123 | 1235 | 123 | 1235 | 118 | 112 | 99 | 875 | 81 |
| | CNT | 29 | 29 | 29 | 29 | 27 | 25 | 27 | 27 | 28 | 29 | 29 | 28 | 28 | 29 | 28 | 29 | 30 | 29 | 28 | 29 | 27 | 29 | 28 | 28 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | | | | | | | 385 | 423 | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | 6 | 4 | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 240 | 243 | 255 | 255 | 250 | 250 | 245 | 235 | 228 | 220 | 220 | 218 | 218 | 220 | 228 | 235 | 240 | 255 | 250 | 245 | 235 | 238 | 250 | 245 |
| | CNT | 25 | 28 | 29 | 29 | 26 | 25 | 27 | 27 | 28 | 28 | 29 | 28 | 28 | 27 | 22 | 25 | 28 | 29 | 28 | 29 | 29 | 28 | 28 | 28 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 280 | 285 | 275 | 280 | 293 | 293 | 308 | 320 | 300 | 280 | 275 | 265 | 250 | 250 | 250 | 250 | 250 | 260 | 270 | 275 | 278 | 275 | 280 | 280 |
| | CNT | 28 | 28 | 29 | 29 | 26 | 25 | 27 | 27 | 27 | 28 | 29 | 28 | 28 | 29 | 28 | 29 | 30 | 29 | 28 | 29 | 28 | 29 | 28 | 28 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | | | | | | | 670 | 705 | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | 6 | 4 | | | | | | | | | |
| foE | MED | | | | | E | | | | | | | | | | | | | | E | | | | | |
| | CNT | | | | | 5 | | 198 | 300 | 355 | 390 | 415 | 425 | 425 | 420 | 400 | 370 | 330 | 250 | 10 | | | | | |
| | | | | | | | | 22 | 27 | 27 | 22 | 26 | 25 | 23 | 23 | 19 | 23 | 24 | 15 | | | | | | |
| h'E | MED | | | | | F | | F | | | | | | | | | 105 | 110 | 115 | E | | | | | |
| | CNT | | | | | 5 | | 16 | 115 15 | 105 10 | 105 6 | 105 4 | | | | | 7 | 9 | 9 | 10 | | | | | |
| foEs | MED | 17 | 16 | 24 | E | E | | 25 | 31 | 30 | | E | E | E | E | | 39 | 36 | 41 | 33 | 27 | 24 | 22 | 20 | 24 | 24 |
| | CNT | 29 | 29 | 29 | 29 | 28 | 28 | 27 | 27 | 28 | 24 | 22 | 23 | 23 | 27 | 24 | 27 | 30 | 29 | 28 | 29 | 29 | 29 | 20 | 29 |

SWEEP 1.0 MC TO 16.0 MC IN 4 MINUTES.

SEPTEMBER. 1957

TABLE 63

FREIBURG. GERMANY (48.1N. 7.8E)

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 45 | 43 | 42 | 40 | 39 | 38 | 35 | 47 | 88 | U 118 | 134 | U 141 | 139 | 135 | 134 | 130 | 116 | 102 | 87 | 71 | 53 | 48 | 44 | 44 |
| | CNT | 30 | 30 | 31 | 29 | 30 | 28 | 29 | 29 | 30 | 29 | 31 | 27 | 30 | 28 | 30 | 27 | 29 | 30 | 30 | 31 | 31 | 31 | 31 | 31 |
| | UQ | 48 | 45 | 46 | 45 | 43 | 40 | 39 | 50 | 95 | 126 | 141 | 141 | 142 | 140 | 140 | 138 | 127 | 107 | 94 | 80 | 61 | 51 | 50 | 49 |
| | LQ | 41 | 41 | 39 | 36 | 35 | 34 | 34 | 44 | 84 | 110 | 126 | 136 | 133 | 130 | 129 | 122 | 114 | 96 | 82 | 66 | 50 | 42 | 42 | 41 |
| h'F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | 1 | 1 | 4 | 1 | 3 | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 300 | 290 | 300 | 290 | 270 | 260 | 255 | 240 | 220 | 220 | 220 | 220 | 225 | 225 | 230 | 225 | 220 | 215 | 215 | 225 | 230 | 258 | 300 | 300 |
| | CNT | 31 | 30 | 30 | 29 | 31 | 31 | 29 | 30 | 31 | 28 | 29 | 28 | 29 | 27 | 29 | 27 | 27 | 28 | 28 | 29 | 31 | 30 | 30 | 28 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 255 | 250 | 245 | 260 | 270 | 265 | 275 | 265 | 315 | 315 | 308 | 302 | 300 | 295 | 290 | 300 | 302 | U 300 | 298 | 305 | 300 | 265 | 250 | 250 |
| | CNT | 29 | 29 | 29 | 28 | 27 | 25 | 24 | 26 | 29 | 25 | 22 | 22 | 26 | 24 | 26 | 27 | 24 | 28 | 28 | 30 | 31 | 30 | 30 | 31 |
| | UQ | 262 | 260 | 260 | 275 | 290 | 288 | 292 | 285 | 320 | 320 | 315 | 310 | 300 | 295 | 295 | 305 | 310 | 305 | 302 | 315 | 315 | 275 | 265 | 260 |
| | LQ | 245 | 238 | 245 | 245 | 245 | 250 | 260 | 250 | 305 | 302 | 295 | 295 | 290 | 288 | 285 | 285 | 295 | 290 | 290 | 290 | 285 | 240 | 240 | 240 |
| foF1 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| foE | MED | | | | | | | | | 189 | 250 | 281 | 313 | 319 | 310 | 290 | 240 | 174 | | | | | | | |
| | CNT | | | | | | | | | 29 | 27 | 25 | 27 | 26 | 26 | 20 | 19 | 11 | | | | | | | |
| h'E | MED | | | | | | | | | 148 | 118 | 112 | 113 | 114 | 114 | 114 | 118 | | | | | | | | |
| | CNT | | | | | | | | | 15 | 23 | 29 | 25 | 25 | 22 | 24 | 22 | 1 | | | | | | | |
| foEs | MED | F | F | F | F | E | E | E | E | E | | | | | | | | | | | | E | E | | E |
| | CNT | 31 | 30 | 30 | 29 | 31 | 30 | 30 | 31 | 16 | 18 | 26 | 26 | 24 | 32 | 30 | 25 | 22 | 23 | 21 | 17 | 31 | 31 | 15 | 31 |
| | | | | | | | | | | 30 | 28 | 29 | 28 | 30 | 29 | 30 | 27 | 28 | 29 | 29 | 29 | | | 31 | |

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

DECEMBER. 1956

TABLE 64

POITIERS. FRANCE (46.6N. 0.3E)

TIME 0.0

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 46 | 45 | 45 | 42 | 39 | 37 | 37 | 54 | 86 | U 124 | 130 | O 130 | U 132 | U 130 | U 130 | U 125 | U 122 | D 86 | U 83 | 70 | 54 | 50 | 48 | 47 |
| | CNT | 30 | 31 | 31 | 31 | 31 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 31 | 31 | 31 | 30 | 28 | 24 | 23 | 30 | 31 | 29 | 30 | 28 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | | 225 | 230 | 230 | 245 | 230 | 245 | 245 | 230 | 230 | | | | | | | |
| | CNT | | | | | | | | | 31 | 31 | 30 | 30 | 31 | 31 | 30 | 31 | 28 | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | E 290 | E 300 | E 305 | E 290 | E 270 | E 265 | E 250 | E 235 | 225 | 220 | 225 | 225 | 225 | 225 | 230 | 230 | 225 | 215 | 220 | 225 | E 230 | E 260 | E 300 | E 300 |
| | CNT | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 31 | 31 | 31 | 29 | 30 | 30 | 29 | 31 | 31 | 30 | 30 | 30 | 31 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 260 | 260 | 260 | 260 | 280 | 270 | 270 | 285 | U 300 | | | U 300 | | U 305 | | | | | | U 300 | 295 | 280 | 265 | 260 |
| | CNT | 13 | 12 | 18 | 17 | 18 | 17 | 14 | 12 | 1 | | | 1 | | 2 | | | | | | 3 | 6 | 16 | 13 | 12 |
| | UQ | | | | | | | | | | | | U 560 | | U 520 | | U 460 | | | | | | | | |
| | LQ | | | | | | | | | | | | 1 | | 3 | | 1 | | | | | | | | |
| foF1 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| foE | MED | | | | | | | | | 210 | 260 | 300 | 320 | 330 | 320 | 290 | 250 | 190 | U 220 | | | | | | |
| | CNT | | | | | | | | | 29 | 31 | 30 | 31 | 31 | 29 | 28 | 28 | 24 | 1 | | | | | | |
| h'E | MED | | | | | | | | | U 150 | 110 | 105 | 105 | 105 | 110 | 110 | 110 | 130 | | | | | | | |
| | CNT | | | | | | | | | 17 | 29 | 29 | 27 | 28 | 24 | 26 | 24 | 5 | | | | | | | |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.6 MC TO 17.0 MC IN 1 MINUTE.

DECEMBER. 1956

TABLE 65

CASABLANCA, MOROCCO (33.6N, 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 69 | 68 | 62 | 58 | 51 | 43 | 43 | 58 | 100 | 120 | 122 | 122 | 122 | 122 | 121 | 118 | 120 | 113 | 107 | 87 | 88 | 84 | 78 | 76 |
| | CNT | 29 | 22 | 27 | 24 | 24 | 30 | 26 | 26 | 25 | 25 | 18 | 20 | 20 | 25 | 24 | 21 | 20 | 23 | 20 | 19 | 24 | 30 | 20 | 23 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | | | | 250 | 240 | 235 | 290 | 300 | 260 | | | | | | | | |
| | CNT | | | | | | | | | | 2 | 7 | 10 | 5 | 5 | 10 | 4 | 2 | 2 | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 265 | 265 | 265 | 250 | 250 | 240 | 300 | 260 | 240 | 235 | 235 | 230 | 235 | 235 | 240 | 245 | 250 | 245 | 230 | 250 | 255 | 250 | 250 | 260 |
| | CNT | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 30 | 29 | 30 | 30 | 31 | 29 | 27 | 29 | 27 | 29 | 29 | 31 | 31 | 31 | 31 | 31 | 31 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 280 | 280 | 280 | 290 | 290 | 300 | 270 | 290 | 320 | 320 | 300 | 300 | 280 | 270 | 270 | 270 | 280 | 280 | 280 | 280 | 280 | 280 | 270 | 270 |
| | CNT | 21 | 15 | 18 | 13 | 20 | 24 | 22 | 22 | 19 | 21 | 12 | 12 | 13 | 19 | 16 | 15 | 17 | 16 | 8 | 12 | 21 | 18 | 7 | 13 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | 2 | | 2 | 2 | 2 | 3 | 1 | | | | | | | | |
| foE | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | 1 | 200 | 290 | 340 | 360 | 360 | 360 | 360 | 330 | 280 | 190 | | | | | | |
| | | | | | | | | | | 22 | 29 | 29 | 30 | 28 | 27 | 28 | 26 | 28 | 16 | | | | | | |
| h'E | MED | | | | | | | | | 135 | 120 | 115 | 115 | 110 | 115 | 115 | 115 | 120 | | | | | | | |
| | CNT | | | | | | | | 1 | 13 | 28 | 29 | 31 | 30 | 26 | 29 | 29 | 27 | 4 | | | | | | |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.6 MC TO 16.0 MC IN 1 MINUTE 15 SECONDS.

DECEMBER, 1956

TABLE 66

TAMANRASSET, FRENCH W. AFRICA (22.8N, 5.5E)

TIME 0.0

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | | O | U | U | U | U | U | U | U | U | U | U | D | U | U | | | | | | | | | |
| | CNT | | 125 | 67 | 59 | 42 | 40 | 52 | 104 | 142 | 138 | 124 | 120 | 132 | 145 | 145 | | | | | | | | | |
| | UQ | | 1 | 5 | 19 | 20 | 25 | 18 | 2 | 2 | 3 | 2 | 1 | 4 | 1 | 1 | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | U | U | | | U | | | | | | U | | | | | | | |
| | CNT | | | | | | | 282 | 225 | 270 | 270 | 245 | 350 | 360 | 370 | 370 | 372 | 375 | | | | | | | |
| | UQ | | | | | | | 2 | 1 | 8 | 13 | 3 | 8 | 17 | 17 | 17 | 6 | 1 | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 220 | 215 | 210 | 215 | 250 | 270 | 280 | 250 | 240 | 230 | 220 | 220 | 215 | 220 | 225 | 240 | 250 | 260 | 270 | 300 | 270 | 230 | 220 | 220 |
| | CNT | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 28 | 30 | 29 | 29 | 26 | 28 | 30 | 28 | 30 | 31 | 30 | 31 | 31 | 31 | 31 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | U | | U | U | U | U | U | U | | | | | | | | | |
| | CNT | | | | | | | | 350 | | 420 | 450 | 460 | 470 | 540 | 650 | | | | | | | | | |
| | | | | | | | | | 1 | | 1 | 6 | 2 | 3 | 3 | 1 | | | | | | | | | |
| foE | MED | | | | | | U | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | 155 | 250 | | 310 | 350 | 360 | 375 | 375 | 360 | 350 | 320 | 260 | 175 | | | | | | |
| | | | | | | | 28 | 29 | | 30 | 24 | 19 | 21 | 19 | 17 | 20 | 22 | 27 | 21 | | | | | | |
| h'E | MED | | | | | | | | 110 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 110 | E | | | | | | |
| | CNT | | | | | | | | 28 | 29 | 26 | 25 | 25 | 25 | 27 | 28 | 28 | 25 | 145 | | | | | | |
| | | | | | | | | | | | | | | | | | | | 3 | | | | | | |
| foEs | MED | | | | | | | | | | | G | | G | G | | | | | | | | | | |
| | CNT | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 32 | 33 | 33 | 27 | 33 | 28 | 28 | 31 | 32 | 33 | 32 | 32 | 25 | 25 | 25 | 25 | 24 |
| | | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 31 | 27 | 27 | 28 | 28 | 28 | 28 | 26 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |

SWEEP 1.2 MC TO 17.0 MC IN 1 MINUTE.

QECEMBER, 1956

TABLE 67

DAKAR, FRENCH W. AFRICA (14.8N, 17.4W)

TIME 0.0

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 134 | 120 | 95 | 72 | 64 | 57 | 59 | 105 | 140 | 146 | 150 | 150 | 147 | 146 | 145 | 140 | 136 | 132 | 130 | 127 | 128 | 136 | 137 | 143 |
| | CNT | 29 | 29 | 30 | 29 | 29 | 31 | 31 | 30 | 30 | 30 | 31 | 31 | 30 | 30 | 31 | 30 | 31 | 31 | 30 | 30 | 25 | 25 | 26 | 26 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | 3 | 270 | 350 | 370 | 425 | 452 | 460 | 470 | 460 | 2 | | | | | | |
| | UQ | | | | | | | | | | 21 | 28 | 31 | 31 | 30 | 31 | 31 | 22 | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 230 | 220 | 220 | 225 | 235 | 240 | 265 | 260 | 245 | 230 | 220 | 220 | 215 | 215 | 225 | 237 | 250 | 295 | 320 | 390 | 335 | 285 | 255 | 240 |
| | CNT | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 31 | 28 | 27 | 25 | 25 | 21 | 27 | 26 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 315 | 305 | 300 | 295 | 300 | 295 | 290 | 310 | 306 | 300 | 275 | 265 | 255 | 242 | 240 | 235 | 235 | 230 | 225 | 220 | 240 | 270 | 270 | 300 |
| | CNT | 23 | 27 | 24 | 26 | 27 | 29 | 31 | 29 | 29 | 28 | 28 | 29 | 28 | 22 | 25 | 27 | 28 | 28 | 27 | 25 | 24 | 19 | 18 | 21 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | 2 | 510 | 515 | 520 | 525 | 520 | 510 | 485 | 445 | | | | | | | |
| | | | | | | | | | | | 14 | 21 | 24 | 24 | 21 | 19 | 12 | 7 | | | | | | | |
| foE | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | 150 | 250 | 320 | 360 | 390 | 395 | 410 | 400 | 390 | 360 | 310 | 240 | 165 | | | | | |
| | | | | | | | | 20 | 25 | 27 | 20 | 24 | 13 | 12 | 12 | 17 | 17 | 27 | 21 | 20 | | | | | |
| h'E | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | 115 | 115 | 111 | 109 | 109 | 107 | 109 | 109 | 109 | 110 | 111 | 117 | | | | | | |
| | | | | | | | | 7 | 12 | 18 | 15 | 22 | 12 | 14 | 8 | 20 | 10 | 22 | 9 | 4 | | | | | |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.2 MC TO 17.0 MC.

DECEMBER, 1956

TABLE 68

TANANARIVE, MADAGASCAR (18.8S, 47.5E)

TIME 45.0E

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 88 | 82 | 79 | 75 | 70 | 67 | 77 | 91 | 100 | 104 | 106 | 110 | 110 | 110 | 110 | 108 | 107 | 100 | 100 | 102 | 100 | 100 | 100 | 98 |
| | CNT | 30 | 30 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 28 | 23 | 26 | 22 | 24 | 26 | 28 | 31 | 30 | 31 | 29 | 27 | 29 | 30 | 30 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | 3 | 355 | 370 | 440 | 450 | 450 | 445 | 440 | 430 | 420 | 400 | | | | | | |
| | UQ | | | | | | | | | 12 | 7 | 8 | 11 | 11 | 18 | 22 | 19 | 28 | 21 | 5 | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 280 | 280 | 285 | 280 | 280 | 305 | 270 | 250 | 245 | 240 | 230 | 230 | 230 | 230 | 240 | 240 | 250 | 260 | 285 | 310 | 300 | 300 | 295 | 290 |
| | CNT | 25 | 24 | 24 | 23 | 22 | 24 | 28 | 26 | 22 | 19 | 17 | 16 | 16 | 15 | 17 | 17 | 17 | 21 | 24 | 25 | 20 | 23 | 23 | 24 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 250 | 245 | 245 | 245 | 245 | 245 | 265 | 260 | 245 | 240 | 235 | 230 | 230 | 230 | 230 | 230 | 235 | 235 | 240 | 240 | 240 | 240 | 245 | 245 |
| | CNT | 28 | 29 | 26 | 28 | 29 | 30 | 30 | 30 | 27 | 24 | 14 | 19 | 15 | 17 | 18 | 23 | 30 | 30 | 28 | 24 | 21 | 25 | 27 | 28 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | 3 | 580 | 600 | 590 | 600 | 610 | 620 | 600 | 585 | 580 | 540 | | | | | | |
| | CNT | | | | | | | | | 11 | 10 | 16 | 15 | 18 | 20 | 22 | 27 | 29 | 17 | | | | | | |
| foE | MED | | | | | | 135 | 235 | 315 | 365 | 390 | 400 | 410 | 415 | 410 | 410 | 400 | 365 | 315 | 240 | 160 | | | | |
| | CNT | | | | | | 20 | 25 | 22 | 24 | 15 | 7 | 8 | 11 | 7 | 12 | 20 | 27 | 28 | 22 | 11 | | | | |
| h'E | MED | | | | | | E | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | 121 | 119 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 119 | 4 | | | | | |
| | | | | | | | | 5 | 12 | 16 | 17 | 13 | 18 | 15 | 17 | 15 | 17 | 17 | 11 | | | | | | |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

DECEMBER, 1956

TABLE 69

SAO PAULO, BRAZIL (23.55, 46.5W) TIME 45.0W

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | U 124 | 118 | U 102 | 92 | 87 | 83 | 90 | 98 | 104 | 107 | 114 | 119 | 126 | 130 | 131 | 134 | 131 | 134 | 131 | 132 | 132 | U 134 | U 132 | U 127 |
| | CNT | 10 | 9 | 14 | 13 | 14 | 19 | 25 | 25 | 25 | 25 | 25 | 24 | 23 | 25 | 25 | 26 | 27 | 27 | 27 | 25 | 19 | 8 | 5 | 7 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | 340 | 310 | 300 | 285 | 255 | 260 | 250 | 240 | 230 | | | | | | | | | 240 | 270 | 330 | 420 | 400 | 360 | 350 |
| | CNT | 25 | 25 | 24 | 24 | 24 | 24 | 25 | 25 | 25 | | 3 | 2 | 2 | | 2 | 1 | | 20 | 22 | 26 | 26 | 25 | 27 | 25 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | U 260 | 270 | U 270 | U 280 | 280 | 270 | 280 | 260 | 240 | 220 | 220 | 230 | 240 | 240 | 230 | 240 | 240 | 240 | 240 | 230 | 220 | U 230 | U 240 | U 240 |
| | CNT | 10 | 9 | 11 | 11 | 12 | 14 | 21 | 21 | 24 | 20 | 22 | 21 | 21 | 22 | 22 | 22 | 22 | 24 | 24 | 21 | 16 | 7 | 5 | 7 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MEQ | | | | | | | | | | | U 540 | U 540 | U 540 | | U 490 | U 480 | | | | | | | | |
| | CNT | | | | | | | | | | | 2 | 2 | 2 | 1 | 2 | 2 | | | | | | | | |
| foE | MED | | | | | | | U 260 | 320 | 380 | 390 | 410 | U 420 | U 420 | 420 | 400 | 390 | 370 | 320 | 280 | | | | | |
| | CNT | | | | | | | 19 | 16 | 16 | 7 | 5 | 4 | 4 | 6 | 11 | 10 | 16 | 16 | 9 | | | | | |
| h'E | MEQ | | | | | | | | 110 | 105 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 120 | 125 | | | | | |
| | CNT | | | | | | | | 13 | 16 | 12 | 10 | 5 | 6 | 7 | 10 | 12 | 16 | 15 | 6 | | | | | |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.75 MC TO 20.0 MC IN 2 MINUTES 30 SECONDS. DECEMBER, 1956

TABLE 70

TERRE ADELIE (66.7S, 140.0E) TIME 0.0

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | U 68 | U 70 | U 75 | U 64 | U 73 | U 71 | U 70 | U 70 | U 70 | U 72 | U 67 | 68 | U 58 | U 66 | | | | U 58 | U 55 | U 60 | | | U 66 | U 52 |
| | CNT | 4 | 7 | 3 | 2 | 5 | 8 | 12 | 14 | 15 | 14 | 18 | 12 | 8 | 2 | | | | 1 | 1 | 1 | | | 4 | 1 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | 500 | 505 | 500 | 500 | 500 | 500 | 505 | 500 | 470 | 450 | 420 | 400 | U 390 | | | | | | | | | | 545 | U 525 |
| | CNT | 12 | 18 | 20 | 16 | 21 | 21 | 24 | 25 | 28 | 18 | 18 | 11 | 1 | | | | | | | | | | 12 | A |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 215 | 210 | 210 | 210 | 210 | 215 | 230 | 230 | 235 | 250 | 250 | 260 | 275 | U 300 | U 290 | U 270 | U 275 | U 260 | U 250 | U 240 | | | 730 | 225 |
| | CNT | 16 | 21 | 21 | 24 | 25 | 25 | 30 | 26 | 30 | 28 | 30 | 29 | 27 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | | | 17 | 17 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | U 225 | U 235 | | U 220 | U 235 | U 230 | U 230 | U 230 | U 235 | 245 | U 240 | U 250 | U 250 | U 260 | | | U 270 | | U 260 | | | | U 220 | |
| | CNT | 2 | 3 | | 2 | 3 | 3 | 6 | 5 | 7 | 9 | 12 | 11 | A | 1 | | | 1 | | 1 | | | | 3 | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MEQ | 520 | 500 | 500 | 500 | 510 | 520 | 500 | 500 | 470 | 450 | 430 | U 360 | U 320 | | | | | | | | | | 470 | 500 |
| | CNT | 14 | 21 | 15 | 23 | 24 | 24 | 26 | 26 | 26 | 17 | 11 | 4 | 1 | | | | | | | | | | 13 | 10 |
| foE | MEQ | U 350 | 375 | 375 | 381 | 375 | 370 | 360 | 350 | 320 | 300 | 280 | 245 | 220 | U 195 | U 180 | U 180 | | | | U 270 | | | 340 | U 360 |
| | CNT | 3 | 4 | 4 | 8 | 10 | 11 | 17 | 21 | 27 | 25 | 25 | 26 | 25 | 2 | 1 | 1 | | | | 1 | | | 9 | 2 |
| h'E | MED | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 105 | 110 | E 135 | E 175 | E 140 | | U 120 | U 115 | U 115 | | | 100 | 100 |
| | CNT | 22 | 26 | 29 | 26 | 28 | 25 | 29 | 28 | 29 | 26 | 23 | 24 | 21 | 2 | 1 | 1 | | 1 | 1 | 1 | | | 20 | 20 |
| foEs | MED | G | G | G | G | G | G | G | G | G | G | G | 27 | 28 | U 31 | G | G | | G | G | G | | | G | G |
| | CNT | 24 | 28 | 27 | 28 | 29 | 27 | 31 | 28 | 30 | 28 | 30 | 30 | 27 | 3 | 2 | 2 | 30 1 | 1 | 1 | 1 | | | 21 | 20 |

SWEEP 1.2 MC TO 17.0 MC IN 1 MINUTE. DECEMBER, 1956

TABLE 71

FREIBURG, GERMANY (48.1N, 7.8E) 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 54 | 50 | 50 | 49 | 46 | 41 | 39 | 45 | 98 | 127 | 136 | 141 | 140 | 136 | 136 | 130 | 124 | 111 | 95 | 80 | 65 | 59 | 60 | 66 |
| | CNT | 30 | 29 | 30 | 29 | 29 | 28 | 29 | 28 | 29 | 28 | 28 | 29 | 30 | 27 | 30 | 28 | 30 | 29 | 30 | 27 | 29 | 29 | 30 | 29 |
| | UQ | 61 | 56 | 56 | 55 | 50 | 45 | 43 | 76 | 110 | 131 | 142 | 147 | 144 | 144 | 140 | 138 | 129 | 116 | 100 | 88 | 74 | 68 | 64 | 68 |
| | LQ | 48 | 46 | 46 | 45 | 40 | 36 | 34 | 58 | 94 | 118 | 129 | 134 | 137 | 132 | 131 | 127 | 120 | 103 | 91 | 72 | 58 | 51 | 50 | 49 |
| h'F2 | MED | | | | | | | | | 1 | 1 | 1 | 2 | 2 | 1 | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 290 | 302 | 305 | 300 | 262 | 250 | 255 | 235 | 222 | 220 | 220 | 222 | 225 | 225 | 230 | 230 | 230 | 220 | 220 | 225 | 230 | 250 | 270 | 285 |
| | CNT | 30 | 28 | 28 | 28 | 28 | 28 | 27 | 28 | 28 | 28 | 27 | 28 | 28 | 23 | 27 | 25 | 27 | 26 | 28 | 27 | 27 | 25 | 24 | 24 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 245 | 250 | 250 | 255 | 262 | 278 | 265 | 290 | 315 | 305 | 302 | 295 | 290 | 285 | 290 | 295 | 295 | 295 | 290 | 290 | 275 | 245 | 260 | 255 |
| | CNT | 27 | 27 | 25 | 26 | 26 | 26 | 24 | 27 | 27 | 25 | 24 | 20 | 25 | 23 | 29 | 24 | 27 | 25 | 29 | 27 | 27 | 28 | 28 | 29 |
| | UQ | 265 | 265 | 255 | 270 | 280 | 315 | 278 | 305 | 325 | 318 | 312 | 305 | 300 | 295 | 302 | 300 | 300 | 300 | 305 | 295 | 295 | 275 | 270 | 268 |
| | LQ | 245 | 235 | 238 | 240 | 240 | 260 | 252 | 270 | 300 | 298 | 290 | 290 | 280 | 275 | 280 | 288 | 285 | 285 | 285 | 285 | 255 | 245 | 245 | 245 |
| foF1 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| foE | MEQ | | | | | | | | E 140 | 218 | 270 | 304 | 324 | 325 | 320 | 297 | 262 | 200 | | | | | | | |
| | CNT | | | | | | | | 22 | 20 | 24 | 21 | 28 | 20 | 25 | 26 | 22 | 16 | | | | | | | |
| h'E | MEQ | | | | | | | | | E 117 | 111 | 111 | 107 | 105 | 112 | 117 | 121 | | | | | | | | |
| | CNT | | | | | | | | 2 | 12 | 20 | 15 | 15 | 9 | 10 | 10 | 9 | 3 | | | | | | | |
| foEs | MEQ | | | | F | F | F | F | F | | | | | | | | | | | | | | E | E | E |
| | CNT | 14 | 14 | 16 | 13 | | | | 14 | 16 | 24 | 29 | 20 | 24 | 19 | 21 | 25 | 24 | 20 | 24 | 19 | 18 | 29 | 28 | 29 |
| | | 29 | 29 | 29 | 28 | 28 | 28 | 27 | 26 | 21 | 28 | 26 | 29 | 28 | 27 | 27 | 27 | 27 | 27 | 29 | 29 | 28 | | | |

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES. NOVEMBER, 1956

TABLE 72

POITIERS, FRANCE (46.6N, 0.3E) TIME 0.0

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 54 | 53 | 54 | 51 | 46 | 40 | 42 | 68 | U 86 | 128 | U 132 | U 134 | U 134 | U 134 | U 132 | 129 | U 124 | U 86 | U 86 | U 80 | 64 | 64 | 62 | 60 |
| | CNT | 30 | 29 | 30 | 30 | 30 | 30 | 28 | 30 | 29 | 28 | 26 | 26 | 27 | 27 | 29 | 27 | 27 | 16 | 16 | 24 | 25 | 25 | 29 | 29 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | 245 | 245 | 245 | 250 | 250 | 250 | 250 | 250 | 250 | 245 | | | | | | | |
| | CNT | | | | | | | | 25 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 30 | 30 | 6 | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 300 | 305 | 305 | 290 | 255 | 230 | E 265 | 235 | 230 | 230 | 235 | 225 | 225 | 230 | 235 | 235 | 230 | 225 | 230 | 230 | 235 | 255 | 275 | 280 |
| | CNT | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 29 | 29 | 29 | 30 | 29 | 29 | 29 | 29 | 28 | 29 | 29 | 27 | 29 | 30 | 29 | 29 | 30 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 250 | 255 | 250 | 250 | 280 | 270 | 260 | 280 | U 275 | U 255 | U 305 | U 280 | U 285 | U 275 | U 290 | | | | U 305 | U 250 | 270 | 270 | 265 | 270 |
| | CNT | 16 | 10 | 8 | 12 | 16 | 12 | 12 | 10 | 3 | 3 | 4 | 2 | 1 | 2 | 2 | | | | 1 | 2 | 9 | 7 | 11 | 12 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | | | U 380 | U 420 | U 460 | U 410 | U 420 | | | | | | | | | | |
| | CNT | | | | | | | | | | 1 | 3 | 2 | 1 | 1 | | | | | | | | | | |
| foE | MED | | | | | | | | 195 | 230 | 280 | 310 | 330 | 330 | 330 | 310 | 270 | 200 | | | | | | | |
| | CNT | | | | | | | | 26 | 29 | 29 | 29 | 25 | 24 | 25 | 23 | 26 | 23 | | | | | | | |
| h'E | MED | | | | | | | | 160 | 110 | 110 | 105 | 105 | 102 | 105 | 105 | 115 | U 120 | | | | | | | |
| | CNT | | | | | | | | 7 | 22 | 25 | 28 | 21 | 14 | 15 | 19 | 15 | 3 | | | | | | | |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.6 MC TO 17.0 MC IN 1 MINUTE. NOVEMBER, 1956

TABLE 73

TAMANRASSET, FRENCH W. AFRICA (22.8N, 5.5E)

TIME 0.0

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | | | | U | | | | U | U | | | | | | | | | | | | | | | |
| | CNT | | | | 55 | 48 | 46 | 80 | 115 | 128 | | | | | | | | | | | | | | | |
| | UQ | | | | 5 | 10 | 12 | 10 | 1 | 1 | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | | | U | | | U | U | U | U | | | | | | | | |
| | CNT | | | | | | | | | | 225 | | | 350 | 415 | 405 | 330 | | | | | | | | |
| | UQ | | | | | | | | | | 1 | | | 1 | 3 | 2 | 1 | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 215 | 215 | 210 | 200 | 220 | 250 | 265 | 230 | 225 | 220 | 215 | 212 | 215 | 220 | 220 | 225 | 245 | 262 | 295 | 310 | 255 | 225 | 220 | 220 |
| | CNT | 29 | 29 | 29 | 29 | 27 | 24 | 28 | 27 | 26 | 22 | 26 | 24 | 22 | 25 | 26 | 26 | 29 | 28 | 30 | 28 | 30 | 29 | 29 | 29 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | | | U | | | | U | U | U | | | | | | | | |
| | CNT | | | | | | | | | | 500 | | | | 800 | 800 | 800 | | | | | | | | |
| | | | | | | | | | | | 1 | | | | 1 | 2 | 1 | | | | | | | | |
| foE | MED | | | | | | | | | | U | U | | U | | U | | | | | | | | | |
| | CNT | | | | | | | 180 | 280 | 330 | 350 | 365 | 390 | 390 | 370 | 355 | 320 | 260 | 170 | | | | | | |
| | | | | | | | | 27 | 28 | 26 | 5 | 4 | 9 | 8 | 5 | 4 | 16 | 25 | 15 | | | | | | |
| h'E | MED | | | | | | | | | | | | | | | | | | E | | | | | | |
| | CNT | | | | | | | 130 | 110 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 110 | 14 | | | | | | |
| | | | | | | | | 24 | 28 | 24 | 21 | 24 | 21 | 20 | 22 | 24 | 23 | 19 | | | | | | | |
| foEs | MED | | | | | | | | | | | G | | G | G | G | | | | | | | | | |
| | CNT | 28 | 24 | 24 | 24 | 24 | 24 | 30 | 32 | 34 | 32 | | 24 | | | | 34 | 34 | 34 | 34 | 25 | 32 | 30 | 30 | 30 |
| | | 28 | 28 | 25 | 28 | 27 | 27 | 27 | 27 | 27 | 24 | 26 | 27 | 24 | 26 | 27 | 29 | 30 | 30 | 30 | 27 | 27 | 25 | 25 | 26 |

SWEEP 1.2 MC TO 17.0 MC IN 1 MINUTE.

NOVEMBER, 1956

TABLE 74

DAKAR, FRENCH W. AFRICA (14.8N, 17.4W)

TIME 0.0

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 136 | 127 | 114 | 88 | 60 | 60 | 76 | 126 | 147 | 155 | 155 | 158 | 155 | 151 | 148 | 148 | 140 | 136 | 134 | 131 | 132 | 129 | 118 | 136 |
| | CNT | 23 | 23 | 23 | 22 | 22 | 24 | 23 | 23 | 24 | 23 | 24 | 25 | 24 | 24 | 28 | 22 | 24 | 24 | 25 | 24 | 21 | 20 | 25 | 24 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | | | 4 | 310 | 340 | 385 | 430 | 440 | 450 | 450 | 435 | | | | | | |
| | CNT | | | | | | | | | | | 18 | 23 | 25 | 25 | 25 | 23 | 21 | 12 | 2 | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 245 | 225 | 220 | 215 | 230 | 240 | 280 | 250 | 240 | 230 | 220 | 215 | 215 | 215 | 225 | 235 | 250 | 270 | 330 | 380 | 325 | 290 | 260 | 250 |
| | CNT | 25 | 24 | 24 | 24 | 23 | 24 | 24 | 23 | 22 | 23 | 19 | 19 | 20 | 20 | 21 | 21 | 24 | 24 | 24 | 25 | 25 | 25 | 25 | 25 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 315 | 315 | 310 | 295 | 290 | 290 | 285 | 310 | 310 | 300 | 275 | 265 | 250 | 245 | 240 | 240 | 240 | 240 | 235 | 230 | 260 | 280 | 300 | 304 |
| | CNT | 22 | 21 | 23 | 22 | 20 | 22 | 22 | 23 | 23 | 22 | 21 | 22 | 19 | 17 | 17 | 20 | 19 | 20 | 24 | 22 | 14 | 15 | 19 | 18 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | | 2 | 500 | 510 | 525 | 520 | 515 | 505 | 500 | | | | | | | | |
| | CNT | | | | | | | | | | 14 | 19 | 19 | 21 | 18 | 13 | 8 | | | | | | | | |
| foE | MED | | | | | | | 170 | 260 | 335 | 375 | 390 | 400 | 410 | 400 | 385 | 355 | 305 | 220 | 186 | | | | | |
| | CNT | | | | | | | 23 | 22 | 23 | 21 | 16 | 22 | 18 | 17 | 17 | 21 | 20 | 21 | 18 | | | | | |
| h'E | MED | | | | | | | 113 | | 109 | 109 | 109 | 107 | 107 | 109 | 109 | 111 | 111 | 115 | | | | | | |
| | CNT | | | | | | | 4 | 20 | 21 | 19 | 17 | 17 | 15 | 16 | 17 | 20 | 13 | 7 | 4 | | | | | |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.2 MC TO 17.0 MC.

NOVEMBER, 1956

TABLE 75

TANANARIVE, MADAGASCAR (18.8S, 47.5E)

TIME 45.0E

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 90 | 86 | 78 | 73 | 68 | 66 | 84 | 100 | 105 | 110 | 110 | 105 | 110 | 109 | 108 | 110 | 110 | 110 | 105 | 105 | 102 | 105 | 102 | 98 |
| | CNT | 26 | 24 | 25 | 25 | 25 | 25 | 25 | 23 | 26 | 24 | 23 | 13 | 13 | 12 | 14 | 17 | 25 | 27 | 28 | 25 | 22 | 27 | 26 | 26 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | 295 | | U | | | | | | 430 | 380 | | | | | | | |
| | CNT | | | | | | | 1 | 8 | 4 | 315 | 6 | 2 | 2 | 1 | 4 | 9 | 20 | 6 | | | | | | |
| | UQ | | | | | | | | | | 7 | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 260 | 260 | 275 | 260 | 280 | 330 | 260 | 250 | 245 | 235 | 230 | 230 | 230 | 230 | 230 | 240 | 250 | 260 | 280 | 280 | 285 | 285 | 275 | 280 |
| | CNT | 19 | 17 | 18 | 11 | 15 | 18 | 25 | 21 | 19 | 23 | 18 | 18 | 15 | 15 | 17 | 17 | 17 | 20 | 20 | 18 | 20 | 24 | 24 | 20 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 250 | 251 | 250 | 247 | 238 | 242 | 274 | 269 | 270 | 267 | 246 | 233 | 241 | 240 | 235 | 238 | 245 | 252 | 255 | 252 | 248 | 255 | 241 | 256 |
| | CNT | 20 | 21 | 23 | 23 | 23 | 22 | 25 | 20 | 22 | 17 | 16 | 10 | 10 | 10 | 10 | 15 | 18 | 16 | 23 | 22 | 18 | 20 | 23 | 21 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | | | 525 | 540 | 530 | 570 | 560 | 590 | 588 | 685 | | | | | | | |
| | CNT | | | | | | | 1 | 4 | 6 | 12 | 10 | 11 | 9 | 7 | 13 | 14 | 16 | 5 | | | | | | |
| foE | MED | | | | | | | | | | | | | U | | U | | | | | | | | | |
| | CNT | | | | | | 140 | 240 | 315 | 365 | 390 | | | 420 | | 410 | 395 | 355 | 295 | 200 | | | | | |
| | | | | | | | 15 | 24 | 23 | 19 | 9 | 8 | 4 | 9 | 5 | 9 | 17 | 24 | 25 | 11 | 1 | | | | |
| h'E | MED | | | | | | | 119 | 113 | 111 | 111 | 111 | 111 | 109 | 109 | 111 | 111 | 111 | 119 | | | | | | |
| | CNT | | | | | | | 12 | 10 | 10 | 10 | 11 | 11 | 10 | 9 | 7 | 11 | 12 | 16 | 1 | | | | | |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

NOVEMBER, 1956

TABLE 76

CAMPBELL I. (52.5S, 169.2E)

TIME 165.0E

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | | | | | | 56 | 62 | 67 | 72 | 75 | 74 | 78 | 83 | 86 | 85 | 84 | 83 | 82 | 81 | 84 | 81 | 75 | 61 | 63 |
| | CNT | | | | | | 24 | 26 | 23 | 24 | 24 | 26 | 28 | 30 | 27 | 28 | 24 | 29 | 28 | 26 | 26 | 25 | 26 | 26 | 26 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | 260 | 290 | 450 | 520 | 500 | 490 | 470 | 460 | 470 | 450 | 440 | 420 | 350 | 300 | 300 | 300 | 300 | 320 | 320 |
| | CNT | | | | | | 19 | 15 | 14 | 13 | 21 | 22 | 24 | 26 | 25 | 26 | 24 | 21 | 15 | 20 | 21 | 21 | 23 | 21 | 16 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | | | | | | 260 | 260 | 270 | 240 | 250 | 240 | 250 | 250 | 240 | 250 | 240 | 250 | 250 | 250 | 250 | 250 | 240 | 240 | 240 |
| | CNT | | | | | | 23 | 25 | 23 | 24 | 22 | 25 | 26 | 29 | 27 | 28 | 24 | 29 | 28 | 25 | 26 | 25 | 26 | 26 | 25 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | 450 | 510 | 540 | 570 | 590 | 600 | 600 | 600 | 600 | 540 | 520 | 490 | 420 | | | | | |
| | CNT | | | | | | | 11 | 16 | 18 | 24 | 24 | 27 | 25 | 24 | 26 | 22 | 19 | 11 | 8 | | | | | |
| foE | MED | | | | | | 260 | 300 | 330 | 350 | 370 | 390 | 390 | 390 | 380 | 370 | 350 | 330 | 300 | 240 | 190 | | | | |
| | CNT | | | | | | 17 | 23 | 26 | 27 | 23 | 23 | 20 | 25 | 23 | 25 | 20 | 23 | 24 | 21 | 10 | | | | |
| h'E | MED | | | | | | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 120 | 130 | | | | |
| | CNT | | | | | | 18 | 26 | 26 | 27 | 23 | 27 | 22 | 26 | 23 | 26 | 19 | 23 | 25 | 19 | 7 | | | | |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.0 MC TO 13.0 MC IN 2 MINUTES.

NOVEMBER, 1956

TABLE

TERRE ADELIE (--.-S, 140.-E) TIME 0.0

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 72 | 68 | U 78 | 80 | 76 | 80 | 75 | 70 | 76 | 76 | 65 | 66 | 58 | | | | | | | | | | U 63 | 72 |
| | CNT | 5 | 4 | 4 | 8 | 8 | 7 | 13 | 15 | 14 | 18 | 17 | 12 | 12 | | | | | | | | | | 6 | 8 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | 480 | 500 | 480 | 475 | 445 | 465 | 490 | 500 | 500 | 440 | 440 | 410 | 300 | | | | | | | | | | 470 | 475 |
| | CNT | 12 | 15 | 14 | 17 | 16 | 16 | 21 | 24 | 24 | 18 | 11 | 5 | 4 | | | | | | | | | | 11 | 9 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 240 | 210 | 220 | 220 | 225 | 225 | 225 | 240 | 250 | 250 | 270 | 295 | 300 | | | | | | | | | | 250 | 250 |
| | CNT | 9 | 12 | 15 | 17 | 21 | 24 | 24 | 24 | 25 | 27 | 27 | 26 | 25 | | | | | | | | | | 13 | 11 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 235 | U 230 | U 235 | 240 | 245 | U 235 | 230 | 235 | U 240 | U 240 | 240 | U 250 | U 240 | | | | | | | | | | U 240 | U 240 |
| | CNT | 4 | 3 | 3 | 5 | 5 | 6 | 13 | 14 | 15 | 18 | 16 | 11 | 12 | | | | | | | | | | 4 | 5 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | 500 | 500 | 500 | 515 | 520 | 500 | 480 | 460 | 440 | 400 | 370 | U 300 | U 310 | | | | | | | | | | 460 | 480 |
| | CNT | 6 | 13 | 9 | 15 | 17 | 18 | 20 | 23 | 19 | 10 | 7 | 1 | 1 | | | | | | | | | | 12 | 14 |
| foE | MED | U 350 | 365 | U 370 | 370 | 360 | 350 | 340 | 320 | 300 | 280 | 240 | 220 | U 190 | | | | | | | | | | 320 | U 350 |
| | CNT | 1 | 5 | 3 | 4 | 6 | 14 | 14 | 19 | 17 | 20 | 18 | 17 | 18 | | | | | | | | | | 4 | 3 |
| h'E | MED | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 110 | 110 | 120 | 105 | 100 | | | | | | | | | | 100 | 100 |
| | CNT | 15 | 18 | 21 | 20 | 21 | 22 | 22 | 22 | 18 | 21 | 17 | 16 | 11 | | | | | | | | | | 19 | 18 |
| foEs | MED | G | G | G | G | G | G | G | G | 32 | 24 | 24 | G | 22 | | | | | | | | | | G | G |
| | CNT | 12 | 17 | 19 | 19 | 22 | 21 | 21 | 21 | 22 | 26 | 24 | 24 | 25 | | | | | | | | | | 15 | 15 |

SWEEP 1.3 MC TO 17.0 MC IN 1 MINUTE. NOVEMBER, 1956

TABLE 78

SCHWIMS, GERMANY (48.1N, 7.8E) 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 65 | 62 | 61 | 59 | 57 | 50 | 54 | 87 | 113 | 126 | U 129 | U 132 | U 134 | U 130 | U 131 | U 131 | U 129 | U 118 | U 105 | 92 | 79 | 74 | 70 | 68 |
| | CNT | 31 | 31 | 31 | 31 | 31 | 30 | 31 | 31 | 31 | 27 | 31 | 29 | 31 | 28 | 31 | 27 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| | UQ | 71 | 68 | 68 | 66 | 63 | 56 | 62 | 91 | 118 | 130 | 136 | 136 | 134 | 134 | 134 | 134 | 131 | 126 | 108 | 98 | 84 | 79 | 74 | 70 |
| | LQ | 62 | 57 | 56 | 51 | 50 | 44 | 40 | 75 | 96 | 110 | 120 | 122 | 120 | 120 | 126 | 120 | 117 | 109 | 98 | 85 | 70 | 63 | 61 | 58 |
| h'F2 | MED | | | | | | | 1 | | 3 | 4 | 255 | 260 | 300 | | | 260 | | | | | | | | |
| | CNT | | | | | | | | | | | 5 | 5 | 7 | 4 | 3 | 5 | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 275 | 290 | 290 | 290 | 270 | 240 | 255 | 230 | 225 | 220 | 220 | 225 | 225 | 225 | 230 | 230 | 235 | 230 | 225 | 230 | 230 | 240 | 260 | 268 |
| | CNT | 29 | 31 | 31 | 31 | 30 | 31 | 31 | 31 | 27 | 26 | 25 | 24 | 27 | 30 | 27 | 27 | 30 | 30 | 28 | 28 | 31 | 29 | 30 | 30 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 260 | 255 | 260 | 262 | 265 | 270 | 282 | 310 | 310 | 305 | 295 | 292 | 285 | 280 | 285 | 285 | 290 | 295 | 295 | 295 | 280 | 275 | 260 | 255 |
| | CNT | 31 | 30 | 31 | 30 | 30 | 30 | 30 | 31 | 26 | 25 | 25 | 22 | 24 | 25 | 25 | 23 | 26 | 28 | 28 | 30 | 31 | 31 | 31 | 31 |
| | UQ | 270 | 260 | 275 | 270 | 280 | 280 | 290 | 320 | 320 | 310 | 305 | 305 | 290 | 285 | 285 | 290 | 302 | 305 | 305 | 300 | 290 | 285 | 280 | 280 |
| | LQ | 245 | 240 | 240 | 245 | 245 | 260 | 270 | 295 | 300 | 295 | 288 | 285 | 280 | 278 | 275 | 280 | 285 | 290 | 290 | 290 | 270 | 260 | 250 | 250 |
| foF1 | MED | | | | | | | 1 | | | | 1 | | 2 | | 1 | 2 | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| foE | MED | | | | | | | | 195 | 270 | 304 | 326 | 336 | 348 | 340 | 327 | 296 | 248 | 172 | | | | | | |
| | CNT | | | | | | | | 25 | 26 | 25 | 21 | 18 | 14 | 27 | 27 | 26 | 24 | 10 | | | | | | |
| h'E | MED | | | | | | | | 120 | 111 | 108 | 105 | 106 | 106 | 106 | 109 | 109 | 111 | | | | | | | |
| | CNT | | | | | | | | 13 | 25 | 22 | 22 | 21 | 22 | 16 | 14 | 12 | 14 | 2 | | | | | | |
| foEs | MED | F | F | F | F | F | F | F | F | 16 | 16 | 16 | 32 | 35 | 35 | 30 | 21 | 25 | 24 | 23 | 24 | 18 | E 17 | E 31 | E 31 | E 31 |
| | CNT | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 29 | 29 | 30 | 30 | 31 | 31 | 31 | 28 | 30 | 31 | 31 | 31 | | | | |

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES. OCTOBER, 1956

TABLE 79

POITIERS, FRANCE (46.6N, 0.3E) TIME 0.0

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 67 | 65 | 65 | 62 | 58 | 51 | 59 | 86 | 110 | 124 | 129 | 130 | 130 | 129 | 130 | 129 | 129 | 124 | 86 | 85 | 72 | 68 | 69 | 87 |
| | CNT | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 29 | 29 | 30 | 29 | 28 | 28 | 26 | 16 | 5 | 14 | 21 | 20 | 28 | 29 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | 250 | 225 | 240 | 245 | 250 | 250 | 250 | 250 | 260 | 250 | 250 | 245 | | | | | | |
| | CNT | | | | | | | 4 | 21 | 28 | 29 | 27 | 25 | 25 | 26 | 25 | 27 | 25 | 14 | 2 | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 290 | 295 | 280 | 295 | 265 | 245 | 250 | 230 | 230 | 225 | 225 | 220 | 225 | 230 | 230 | 240 | 245 | 230 | 235 | 230 | 235 | 250 | 260 | 275 |
| | CNT | 30 | 30 | 30 | 30 | 29 | 30 | 30 | 31 | 30 | 28 | 27 | 27 | 30 | 30 | 28 | 28 | 25 | 23 | 28 | 27 | 30 | 31 | 31 | 29 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 265 | 255 | 275 | 260 | 280 | 275 | 290 | 280 | | | | | | | | | | | | | | 255 | | 275 |
| | CNT | 11 | 11 | 16 | 17 | 15 | 24 | 22 | 6 | 6 | 2 | 3 | 3 | 2 | 1 | | 1 | | | | | | 4 | 3 | 5 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | 2 | 4 | 3 | 4 | 3 | 530 | 3 | 2 | 1 | 1 | | | | | | | |
| | CNT | | | | | | | | | | | | | 5 | | | | | | | | | | | |
| foE | MED | | | | | | | 180 | 210 | 280 | 310 | 330 | 340 | 340 | 350 | 330 | 300 | 250 | 190 | | | | | | |
| | CNT | | | | | | | 11 | 30 | 30 | 30 | 31 | 27 | 28 | 24 | 27 | 27 | 24 | 14 | | | | | | |
| h'E | MED | | | | | | | | 115 | 105 | 105 | 100 | 100 | 100 | 100 | 100 | 105 | 110 | | 1 | | | | | |
| | CNT | | | | | | | | 19 | 28 | 29 | 28 | 27 | 22 | 23 | 23 | 20 | 20 | | | | | | | |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.6 MC TO 17.0 MC IN 1 MINUTE. OCTOBER, 1956

TABLE 80

CASABLANCA, MOROCCO (33.6N, 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 86 | 84 | 83 | 79 | 73 | 62 | 58 | 86 | 115 | 126 | 126 | 128 | 126 | 128 | 130 | 130 | 130 | 128 | 120 | 104 | 97 | 94 | 91 | 90 |
| | CNT | 23 | 24 | 26 | 27 | 28 | 29 | 27 | 28 | 25 | 29 | 24 | 24 | 20 | 18 | 21 | 18 | 21 | 25 | 27 | 27 | 23 | 27 | 25 | 24 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | 1 | 2 | 240 | 245 | 250 | 250 | U 290 | | | | | 255 | 250 | | | | | |
| | CNT | | | | | | | | | 13 | 20 | 13 | 14 | 6 | 2 | 2 | 4 | 2 | 15 | 9 | 1 | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 275 | 280 | 275 | 270 | 260 | 260 | 255 | 240 | 240 | 235 | 230 | 230 | 240 | 240 | 245 | 250 | 250 | 250 | 245 | 240 | 270 | 270 | 265 | 270 |
| | CNT | 26 | 28 | 28 | 27 | 28 | 29 | 27 | 24 | 16 | 23 | 21 | 16 | 14 | 18 | 22 | 22 | 21 | 14 | 20 | 28 | 26 | 30 | 29 | 28 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 270 | 260 | 270 | 280 | 290 | 270 | 280 | 320 | 320 | 310 | 290 | 280 | 280 | U 270 | U 270 | U 270 | U 270 | 280 | 280 | 290 | 270 | 280 | 270 | 270 |
| | CNT | 13 | 18 | 20 | 17 | 20 | 24 | 23 | 24 | 20 | 20 | 11 | 19 | 11 | 8 | 6 | 8 | 7 | 11 | 19 | 13 | 13 | 15 | 15 | 14 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | 2 | U 376 | U 415 | | | | | | | | 3 | 1 | | | | | |
| | CNT | | | | | | | | | 6 | 6 | 3 | 4 | 2 | 1 | | | | | | | | | | |
| foE | MED | | | | | | | | 190 | 280 | 320 | 350 | 360 | 360 | 360 | 360 | 350 | 300 | 240 | | | | | | |
| | CNT | | | | | | | | 17 | 24 | 28 | 22 | 14 | 13 | 21 | 22 | 28 | 26 | 23 | 3 | | | | | |
| h'E | MED | | | | | | | | 130 | 115 | 110 | 110 | 110 | 110 | 110 | 110 | 115 | 120 | 120 | | | | | | |
| | CNT | | | | | | | | 7 | 24 | 29 | 27 | 25 | 27 | 27 | 28 | 30 | 26 | 18 | 1 | | | | | |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.6 MC TO 16.0 MC IN 1 MINUTE 15 SECONDS. OCTOBER, 1956

TABLE 81

TAMANRASSET, FRENCH W. AFRICA (22.8N, 5.5E)

TIME 0.0

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| fo[F2 | MED | | | | U | | | U | | | | | | | | | | | | | | | | | |
| | CNT | | | | 75 | 60 | 58 | 84 | | | | | | | | | | | | | | | | | |
| | UQ | | | | 4 | 11 | 16 | 4 | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | | U | | | | U | U | U | U | | | | | | | | |
| | CNT | | | | | | | | | 240 | | | | 370 | 360 | 322 | 360 | | | | | | | | |
| | UQ | | | | | | | | | 1 | | | | 3 | 5 | 2 | 1 | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 220 | 215 | 210 | 205 | 220 | 230 | 250 | 220 | 215 | 210 | 205 | 200 | 200 | 210 | 218 | 230 | 235 | 255 | 305 | 290 | 255 | 230 | 220 | 220 |
| | CNT | 29 | 29 | 28 | 28 | 28 | 27 | 27 | 27 | 27 | 23 | 27 | 24 | 24 | 23 | 24 | 26 | 26 | 25 | 29 | 30 | 29 | 29 | 29 | 29 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | | U | | | | | 850 | | | | | | | | | | |
| | ENT | | | | | | | | | 500 | | | | | 1 | | | | | | | | | | |
| | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| foE | MED | | | | | | | 210 | 290 | 330 | 330 | 380 | 390 | 410 | 380 | 350 | 330 | 270 | 190 | U | | | | | |
| | CNT | | | | | | | 26 | 25 | 18 | 6 | 5 | 5 | 8 | 11 | 10 | 15 | 21 | 13 | 105 | | | | | |
| | | | | | | | | | | | | | | | | | | | | 4 | | | | | |
| h'E | MED | | | | | | | 110 | 105 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 105 | 110 | E | | | | | |
| | CNT | | | | | | | 24 | 26 | 25 | 20 | 16 | 17 | 18 | 21 | 24 | 28 | 24 | 14 | 4 | | | | | |
| foEs | MED | 22 | 24 | 24 | 24 | 24 | 24 | 30 | 32 | 35 | 36 | 39 | 36 | 42 | 42 | 38 | 36 | 32 | 33 | 34 | 24 | 24 | E | | |
| | CNT | 28 | 28 | 28 | 28 | 28 | 28 | 26 | 27 | 28 | 26 | 30 | 28 | 26 | 27 | 28 | 29 | 29 | 29 | 29 | 29 | 26 | 26 | 20 | 23 |
| | | | | | | | | | | | | | | | | | | | | | | | | 28 | 29 |

SWEEP 1.2 MC TO 17.0 MC IN 1 MINUTE.

OCTOBER, 1956

TABLE 82

DAKAR, FRENCH W. AFRICA (14.8N, 17.4W)

TIME 0.0

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| fo F2 | MED | 128 | 126 | 118 | 88 | 72 | 57 | 75 | 121 | 134 | 149 | 147 | 149 | 148 | 148 | 148 | 145 | 140 | 146 | 141 | 130 | 127 | 124 | 124 | 126 |
| | CNT | 29 | 25 | 29 | 28 | 29 | 30 | 29 | 28 | 30 | 31 | 29 | 30 | 29 | 26 | 30 | 31 | 31 | 29 | 31 | 29 | 29 | 28 | 29 | 27 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h' F2 | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | 2 | 270 | 300 | 330 | 390 | 410 | 410 | 410 | 415 | 410 | 420 | | | | | | |
| | UQ | | | | | | | | | 16 | 27 | 29 | 29 | 28 | 29 | 29 | 30 | 28 | 11 | 1 | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h' F | MED | 245 | 235 | 220 | 220 | 220 | 225 | 260 | 245 | 235 | 220 | 215 | 210 | 210 | 210 | 220 | 225 | 240 | 265 | 320 | 385 | 330 | 300 | 290 | 295 |
| | CNT | 30 | 30 | 31 | 31 | 30 | 31 | 29 | 27 | 29 | 30 | 27 | 27 | 28 | 28 | 30 | 30 | 31 | 29 | 30 | 30 | 31 | 31 | 30 | 31 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 328 | 335 | 331 | 295 | 298 | 308 | 301 | 319 | 319 | 302 | 286 | 272 | 264 | 264 | 265 | 264 | 260 | 259 | 238 | 232 | 257 | 281 | 304 | 308 |
| | CNT | 24 | 23 | 24 | 23 | 26 | 30 | 25 | 27 | 29 | 28 | 26 | 23 | 25 | 20 | 25 | 25 | 28 | 25 | 24 | 24 | 26 | 26 | 27 | 20 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | | U | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | 1 | 500 | 510 | 520 | 530 | 530 | 520 | 510 | 500 | | | | | | | | |
| | | | | | | | | | | 10 | 26 | 27 | 27 | 28 | 26 | 26 | 18 | 5 | | | | | | | |
| foE | MED | | | | | | | 175 | 275 | 335 | 375 | 400 | 410 | 415 | 410 | 390 | 360 | 320 | 240 | 180 | | | | | |
| | CNT | | | | | | | 25 | 26 | 29 | 30 | 23 | 21 | 24 | 27 | 27 | 29 | 29 | 23 | 22 | | | | | |
| h' E | MED | | | | | | | 119 | 111 | 109 | 109 | 107 | 107 | 107 | 109 | 109 | 109 | 111 | 114 | 115 | | | | | |
| | CNT | | | | | | | 5 | 22 | 27 | 25 | 20 | 15 | 22 | 19 | 25 | 27 | 26 | 18 | 7 | | | | | |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.2 MC TO 17.0 MC.

OCTOBER, 1956

TABLE 83

OJIBOUTI, FRENCH SOMALILAND (11.6N, 43.2E)

TIME 45.0E

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| fdF2 | MED | | U | | | | | | | | | U | U | U | U | U | | | | U | | | | | |
| | CNT | 2 | 108 | 92 | 91 | 78 | 66 | 73 | 108 | | | 132 | 130 | 131 | 134 | 140 | | | | 114 | 96 | | | | |
| | UQ | | 3 | 6 | 8 | 7 | 13 | 12 | 14 | 2 | 2 | 5 | 5 | 9 | 8 | 4 | | | 1 | 6 | 5 | 2 | 1 | 4 | 3 |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | | | 265 | 260 | 270 | U | U | U | | | | | | | | | |
| | CNT | | | | | | | | | 1 | 8 | 5 | 5 | 3 | 2 | 3 | 3 | 3 | 3 | 1 | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 250 | 240 | 225 | 230 | 230 | 225 | 255 | 250 | 235 | 230 | 225 | 220 | 220 | 220 | 220 | 230 | 245 | 270 | 320 | 420 | 375 | 340 | 300 | 270 |
| | CNT | 20 | 19 | 20 | 20 | 20 | 20 | 20 | 20 | 18 | 18 | 19 | 17 | 17 | 18 | 18 | 18 | 19 | 19 | 19 | 16 | 18 | 19 | 18 | 19 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | | | 296 | 292 | 297 | 309 | 302 | 305 | | | 235 | U | U | U | U | | | | U | | | | | |
| | CNT | 2 | 3 | 6 | 6 | 5 | 11 | 10 | 14 | 2 | 2 | 5 | 227 | 9 | 6 | 4 | | | 1 | 206 | 2 | 1 | 1 | 4 | 3 |
| | UQ | | | | | | | | | | | | 5 | | | | | | | 6 | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | | | 490 | 550 | 575 | 570 | 580 | 550 | | | | | | | | | |
| | ENT | | | | | | | | | 1 | 7 | 10 | 6 | 5 | 7 | 9 | 4 | 3 | | | | | | | |
| foE | MED | | | | | | | E | 275 | 330 | 370 | 400 | 410 | 415 | 405 | 390 | 365 | 320 | 255 | 145 | | | | | |
| | CNT | | | | | | | 14 | 19 | 19 | 11 | 12 | 11 | 10 | 13 | 10 | 6 | 12 | 8 | 16 | | | | | |
| h'E | MED | | | | | | | E | | 121 | | | | 121 | 121 | | 121 | 121 | | E | | | | | |
| | CNT | | | | | | | 4 | 11 | 13 | 3 | 3 | 4 | 5 | 10 | 4 | 5 | 12 | 4 | | | | | | |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

OCTOBER, 1956

TABLE 84

TANANARIVE, MADAGASCAR (18.8S, 47.5E)

TIME 45.0E

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 99 | 87 | 75 | 70 | 66 | 59 | 81 | U | U | U | U | U | | D | D | U | U | U | U | D | D | D | U | U |
| | CNT | 28 | 29 | 30 | 30 | 30 | 30 | 26 | 110 | 115 | 115 | 120 | 118 | | 120 | 118 | 116 | 117 | 115 | 115 | 113 | 112 | 110 | 110 | 108 |
| | UQ | | | | | | | | 24 | 17 | 14 | 17 | 14 | 5 | 13 | 8 | 8 | 15 | 22 | 27 | 28 | 18 | 21 | 26 | 28 |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | | | | | U | | | | | | | | | | | | |
| | CNT | | | | | | | | 3 | 265 | 270 | 270 | 275 | | | | | | | | | | | | |
| | UQ | | | | | | | | | 14 | 12 | 17 | 8 | 1 | 3 | 3 | 3 | 7 | .2 | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 245 | 240 | 240 | 250 | 260 | 265 | 250 | 240 | 240 | 230 | 220 | 220 | 220 | 220 | 230 | 240 | 245 | 255 | 265 | 260 | 260 | 250 | 240 | 250 |
| | CNT | 25 | 28 | 23 | 23 | 25 | 28 | 25 | 24 | 28 | 26 | 21 | 22 | 21 | 20 | 17 | 20 | 21 | 28 | 29 | 30 | 27 | 31 | 27 | 26 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 280 | 288 | 272 | 271 | 272 | 270 | 298 | 291 | 295 | 288 | 278 | 281 | | 271 | U | U | U | | | | | | | |
| | CNT | 26 | 26 | 28 | 29 | 29 | 29 | 25 | 21 | 17 | 12 | 16 | 12 | 5 | 13 | 258 | 263 | 268 | 266 | 275 | 277 | 275 | 278 | 282 | 274 |
| | UQ | | | | | | | | | | | | | | | 7 | 7 | 18 | 19 | 24 | 25 | 16 | 21 | 24 | 24 |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | | | | U | U | U | | U | | U | | | | | | | |
| | CNT | | | | | | | | | 2 | 3 | 535 | 530 | 535 | 530 | 552 | 2 | 590 | 1 | | | | | | |
| | | | | | | | | | | | | 10 | 13 | 8 | 11 | 8 | | 8 | | | | | | | |
| foE | MED | | | | | | | | | | | U | U | U | U | U | | | | | | | | | |
| | CNT | | | | | | | 220 | 295 | 335 | 380 | 395 | | 420 | 410 | 400 | 375 | 340 | 275 | 190 | | | | | |
| | | | | | | | | 25 | 26 | 23 | 11 | 7 | 6 | 8 | 9 | 15 | 25 | 30 | 30 | 16 | | | | | |
| h'E | MED | | | | | | | | 133 | 109 | | 109 | 109 | 109 | 109 | 110 | 111 | 111 | 115 | | | | | | |
| | CNT | | | | | | | 5 | 9 | 11 | 4 | 8 | 10 | 15 | 14 | 18 | 19 | 24 | 19 | | | | | | |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

OCTOBER, 1956

TABLE 85

KERGUELEN I. 149.4S, 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 44 | 38 | 40 | 38 | 40 | 46 | 61 | 79 | 78 | 86 | 99 | 110 | 117 | 117 | 117 | 114 | 110 | 101 | 96 | 92 | 76 | 65 | 51 | 48 |
| | CNT | 30 | 25 | 25 | 26 | 25 | 28 | 29 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 29 | 23 | 25 | 29 | 29 | 28 | 31 | 29 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | | 432 | 455 | 402 | 353 | 342 | 346 | 332 | 330 | 335 | | | | | | | |
| | CNT | | | | | | | 1 | 3 | 4 | 11 | 16 | 20 | 28 | 30 | 28 | 23 | 19 | 9 | 2 | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 283 | 283 | 315 | 322 | 320 | 290 | 250 | 230 | 321 | 216 | 210 | 210 | 210 | 210 | 215 | 219 | 231 | 228 | 229 | 225 | 223 | 234 | 243 | 263 |
| | CNT | 30 | 27 | 27 | 30 | 28 | 25 | 31 | 31 | 30 | 31 | 29 | 28 | 26 | 28 | 30 | 27 | 30 | 30 | 30 | 29 | 28 | 29 | 30 | 27 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 255 | 255 | 242 | 235 | 247 | 265 | 285 | 285 | 265 | 262 | 255 | 250 | 250 | 255 | 255 | 255 | 265 | 275 | 285 | 285 | 285 | 285 | 280 | 265 |
| | CNT | 25 | 21 | 22 | 23 | 10 | 23 | 27 | 30 | 31 | 30 | 30 | 31 | 31 | 30 | 31 | 31 | 27 | 22 | 23 | 29 | 27 | 25 | 27 | 25 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | 445 | 495 | 545 | 550 | 575 | 580 | 585 | 530 | 570 | 530 | | | | | | | |
| | CNT | | | | | | | 3 | 7 | 13 | 15 | 19 | 28 | 28 | 26 | 21 | 15 | 10 | 2 | | | | | | |
| foE | MED | | | | | | | | | 326 | 355 | 370 | 380 | 385 | 378 | 370 | 352 | 325 | 278 | 220 | | | | | |
| | CNT | | | | | | 1 | 230 | 290 | 31 | 29 | 26 | 29 | 27 | 24 | 24 | 21 | 28 | 25 | 17 | 3 | | 1 | | |
| h'E | MED | | | | | | | 108 | 100 | 100 | 100 | 99 | 100 | 100 | 100 | 100 | 102 | 103 | 103 | 113 | | | | | |
| | CNT | | | | | | | 15 | 21 | 30 | 25 | 29 | 29 | 30 | 30 | 25 | 15 | 26 | 17 | 8 | 2 | | 1 | | |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

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

OCTOBER, 1956

TABLE 86

TERRE ADELIE (66.7S, 140.0E)

TIME 0.0

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 75 | U 81 | U 76 | U 80 | 81 | U 78 | 86 | 80 | U 86 | 80 | 78 | 78 | 67 | | | | | | | | | | U 60 | 70 |
| | CNT | 12 | 10 | 7 | 13 | 19 | 16 | 18 | 20 | 21 | 21 | 20 | 19 | 19 | | | | | | | | | | 11 | 9 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | 375 | 395 | 365 | 425 | 410 | 430 | 400 | 375 | 375 | U 300 | U 300 | | | | | | | | | | | | U 350 | 380 |
| | CNT | 19 | 22 | 21 | 21 | 22 | 18 | 17 | 13 | 4 | 1 | 1 | | | | | | | | | | | | 12 | 14 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 230 | 225 | 220 | 225 | 220 | 220 | 225 | 230 | 250 | 260 | 265 | 255 | 270 | | | | | | | | | | 230 | 235 |
| | CNT | 18 | 22 | 19 | 24 | 26 | 25 | 28 | 27 | 29 | 29 | 29 | 29 | 29 | | | | | | | | | | 22 | 21 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 265 | U 245 | 250 | U 245 | 250 | U 240 | 245 | 250 | 255 | 265 | 260 | 260 | 255 | | | | | | | | | | U 260 | 260 |
| | CNT | 6 | 6 | 4 | 7 | 13 | 10 | 14 | 16 | 14 | 16 | 18 | 14 | 15 | | | | | | | | | | 4 | 6 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | 460 | 460 | 490 | 480 | 480 | 470 | 470 | 450 | U 400 | U 330 | | | | | | | | | | | | | 420 | 440 |
| | CNT | 18 | 20 | 19 | 19 | 19 | 19 | 19 | 9 | 2 | 1 | | | | | | | | | | | | | 14 | 11 |
| foE | MED | 330 | U 340 | U 340 | 340 | 330 | 310 | 300 | 280 | 245 | 210 | 170 | 160 | U 150 | | | | | | | | | | 280 | 310 |
| | CNT | 16 | 17 | 21 | 21 | 26 | 26 | 27 | 26 | 29 | 28 | 23 | 10 | 2 | | | | | | | | | | 18 | 17 |
| h'E | MED | 105 | 105 | 100 | 105 | 105 | 105 | 105 | 110 | 115 | 120 | 120 | E 145 | | | | | | | | | | | 110 | 105 |
| | CNT | 24 | 24 | 27 | 26 | 27 | 27 | 27 | 27 | 26 | 29 | 17 | 8 | | | | | | | | | | | 21 | 23 |
| foEs | MED | G | G | G | G | G | G | G | G | G | G | G | G | 20 | | | | | | | | | | G | G |
| | CNT | 26 | 26 | 28 | 28 | 27 | 28 | 28 | 28 | 29 | 28 | 29 | 29 | 29 | | | | | | | | | | 24 | 26 |

SWEEP 1.3 MC TO 17.0 MC IN 1 MINUTE.

OCTOBER, 1956

TABLE 87

DAKAR, FRENCH W. AFRICA (14.7N, 17.4W)

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MEQ | 116 | 115 | 109 | 95 | 76 | 61 | 70 | 103 | 117 | 128 | 133 | 137 | 140 | 140 | 140 | 140 | 136 | 132 | 128 | 124 | 123 | 117 | 115 | 114 |
| | CNT | 26 | 29 | 30 | 30 | 26 | 27 | 29 | 29 | 29 | 29 | 29 | 30 | 30 | 28 | 30 | 29 | 30 | 30 | 30 | 30 | 29 | 29 | 28 | 29 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MEQ | | | | | | | | | 260 | 305 | 350 | 380 | 420 | 437 | 430 | 405 | 398 | 390 | | | | | | |
| | CNT | | | | | | | 1 | 5 | 20 | 28 | 29 | 28 | 29 | 28 | 28 | 29 | 26 | 14 | 2 | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MEQ | 277 | 250 | 235 | 240 | 240 | 225 | 260 | 240 | 230 | 215 | 210 | 210 | 210 | 213 | 215 | 225 | 235 | 255 | 290 | 365 | 365 | 360 | 345 | 330 |
| | CNT | 30 | 30 | 30 | 30 | 29 | 28 | 27 | 28 | 28 | 28 | 28 | 26 | 26 | 26 | 27 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MEQ | 304 | 326 | 310 | 293 | 304 | 304 | 312 | 322 | 306 | 295 | 282 | 274 | 255 | 253 | 262 | 274 | 271 | 267 | 254 | 240 | 242 | 257 | 266 | 293 |
| | CNT | 22 | 28 | 29 | 26 | 25 | 26 | 26 | 28 | 28 | 27 | 26 | 24 | 23 | 19 | 24 | 25 | 27 | 28 | 28 | 27 | 27 | 26 | 27 | 26 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MEQ | | | | | | | | | 480 | 515 | 525 | 540 | 540 | 543 | 520 | 510 | 470 | | | | | | | |
| | CNT | | | | | | | | 5 | 16 | 25 | 24 | 25 | 25 | 20 | 23 | 22 | 19 | 4 | | | | | | |
| foE | MEQ | | | | | | | 175 | 275 | 335 | 375 | 395 | 415 | 420 | 410 | 400 | 375 | 330 | 275 | 180 | | | | | |
| | CNT | | | | | | | 23 | 27 | 29 | 28 | 26 | 22 | 21 | 19 | 27 | 27 | 30 | 30 | 28 | | | | | |
| h'E | MEQ | | | | | | | | 111 | 109 | 109 | 109 | 107 | 107 | 109 | 109 | 109 | 111 | 114 | 4 | | | | | |
| | CNT | | | | | | | 2 | 21 | 24 | 26 | 24 | 16 | 11 | 15 | 21 | 24 | 25 | 22 | | | | | | |
| foEs | MEQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES. AUTOMATIC OPERATION.

SEPTEMBER, 1956

TABLE 88

QJIBOUTI, FRENCH SOMALILAND (11.5N, 43.1E)

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 103 | 98 | 88 | 85 | 82 | 76 | 75 | 104 | 118 | 132 | 134 | 127 | 125 | 126 | 131 | 134 | 132 | 127 | 106 | 98 | | | 103 | 95 |
| | CNT | 12 | 14 | 19 | 19 | 19 | 18 | 21 | 26 | 24 | 25 | 26 | 26 | 24 | 27 | 29 | 25 | 25 | 26 | 25 | 23 | 3 | 4 | 9 | 8 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | 2 | 250 | 260 | | 290 | 280 | | | 400 | | | | | | | | |
| | CNT | | | | | | | | | 12 | 9 | 5 | 8 | 6 | 3 | 2 | 7 | 4 | 4 | 1 | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 270 | 240 | 230 | 240 | 230 | 220 | 250 | 245 | 230 | 230 | 220 | 215 | 220 | 215 | 220 | 230 | 240 | 260 | 300 | 420 | 390 | 325 | 315 | 290 |
| | CNT | 29 | 30 | 29 | 30 | 29 | 30 | 30 | 30 | 28 | 26 | 21 | 15 | 13 | 15 | 25 | 25 | 25 | 27 | 29 | 27 | 27 | 28 | 28 | 28 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 270 | 292 | 285 | 281 | 304 | 320 | 306 | 313 | 295 | 259 | 232 | 228 | 223 | 223 | 228 | 236 | 231 | 222 | 222 | 200 | | | 242 | 252 |
| | CNT | 10 | 12 | 17 | 18 | 18 | 17 | 20 | 25 | 22 | 20 | 23 | 24 | 23 | 27 | 26 | 19 | 18 | 19 | 17 | 14 | 2 | 3 | 8 | 8 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | | 440 | 470 | 500 | 560 | 560 | 600 | 685 | 700 | 700 | | | | | | | |
| | CNT | | | | | | | | | 8 | 9 | 7 | 15 | 16 | 17 | 16 | 14 | 12 | 4 | 1 | | | | | |
| foE | MED | | | | | | | 145 | 265 | 330 | 370 | 400 | 410 | 415 | 410 | 400 | 375 | 340 | 280 | 160 | | | | | |
| | CNT | | | | | | | 17 | 28 | 25 | 19 | 18 | 17 | 20 | 21 | 23 | 21 | 18 | 13 | 17 | | | | | |
| h'E | MED | | | | | | | E | 121 | 121 | 121 | 121 | 121 | 119 | 119 | 121 | 121 | 121 | 121 | 12 | | | | | |
| | CNT | | | | | | | 18 | 22 | 17 | 10 | 13 | 8 | 9 | 8 | 10 | 14 | 15 | 10 | | | | | | |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES. AUTOMATIC OPERATION.

SEPTEMBER, 1956

TABLE 89

TANANARIVE, MADAGASCAR (18.9S, 47.6E)

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 85 | 70 | 55 | 51 | 50 | 45 | 61 | D 100 | D 110 | D 115 | D 115 | D 115 | U 115 | | U 115 | D 111 | D 110 | D 110 | D 110 | D 106 | D 100 | D 101 | U 100 | D 94 |
| | CNT | 25 | 26 | 26 | 27 | 27 | 27 | 27 | 24 | 24 | 16 | 10 | 9 | 9 | 6 | 12 | 18 | 19 | 22 | 24 | 21 | 19 | 20 | 21 | 22 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | | 275 | 280 | 280 | 280 | 285 | | U 325 | U 330 | | | | | | | | |
| | CNT | | | | | | | | | 13 | 13 | 24 | 22 | 14 | 2 | 10 | 7 | 6 | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 230 | 230 | 225 | 260 | 250 | 250 | 265 | 245 | 245 | 240 | 225 | 220 | 215 | 215 | 240 | 245 | 245 | 250 | 260 | 250 | 245 | 250 | 250 | 240 |
| | CNT | 27 | 25 | 21 | 18 | 18 | 18 | 24 | 28 | 29 | 23 | 18 | 21 | 17 | 12 | 11 | 20 | 26 | 27 | 27 | 27 | 25 | 27 | 24 | 28 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 298 | 296 | 281 | 278 | 286 | 285 | 288 | 300 | 297 | 296 | 294 | 288 | 278 | | 264 | 267 | 261 | 266 | 275 | 278 | 276 | 276 | 284 | 295 |
| | CNT | 23 | 25 | 25 | 26 | 27 | 26 | 25 | 22 | 22 | 12 | 10 | 7 | 7 | 6 | 9 | 16 | 15 | 20 | 19 | 16 | 14 | 17 | 17 | 18 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | | | | U 540 | 545 | 535 | U 575 | U 580 | U 580 | | | | | | | | |
| | CNT | | | | | | | | | 3 | 7 | 16 | 20 | 17 | 8 | 11 | 7 | 6 | | | | | | | |
| foE | MED | | | | | | | 165 | 265 | 325 | 360 | | | U 400 | U 390 | U 385 | 355 | 320 | 270 | 185 | | | | | |
| | CNT | | | | | | | 21 | 29 | 29 | 20 | 6 | 4 | 9 | 8 | 10 | 24 | 28 | 24 | 19 | | | | | |
| h'E | MED | | | | | | | E | 119 | 113 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 113 | 120 | | | | | | |
| | CNT | | | | | | | 16 | 9 | 22 | 17 | 25 | 16 | 17 | 17 | 16 | 15 | 11 | 8 | 5 | | | | | |
| foEs | MED | | | | | | | | | | | | 4 | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTE, AUTOMATIC OPERATION.

SEPTEMBER, 1956

TABLE 90

KERGUELEN I. (49.3S, 70.5E)

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| fo F2 | MED | 32 | 33 | 30 | 30 | 29 | 30 | 43 | 69 | 80 | 93 | 103 | 112 | 122 | 129 | 130 | 129 | 125 | 114 | 106 | 95 | 70 | 51 | 36 | 36 |
| | CNT | 20 | 19 | 20 | 25 | 23 | 23 | 24 | 28 | 29 | 29 | 28 | 28 | 29 | 28 | 30 | 27 | 24 | 13 | 23 | 26 | 29 | 28 | 28 | 24 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h' F2 | MED | | | | | | | | 1 | 1 | 310 | 290 | 310 | 260 | 255 | 257 | 265 | | | | | | | | |
| | CNT | | | | | | | | | | 4 | 11 | 10 | 13 | 11 | 11 | 4 | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h' F | MED | 275 | 278 | 300 | 320 | 320 | 300 | 282 | 230 | 221 | 218 | 214 | 211 | 218 | 214 | 216 | 216 | 222 | 214 | 213 | 210 | 210 | 213 | 239 | 260 |
| | CNT | 25 | 25 | 28 | 27 | 26 | 24 | 26 | 30 | 28 | 28 | 26 | 25 | 26 | 29 | 29 | 27 | 27 | 24 | 27 | 24 | 28 | 26 | 32 | 24 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 270 | 265 | 255 | 250 | 255 | 255 | 275 | 320 | 310 | 300 | 280 | 275 | 275 | 275 | 270 | 270 | 280 | 280 | 288 | 295 | 305 | 300 | 295 | 275 |
| | CNT | 17 | 15 | 18 | 23 | 22 | 20 | 18 | 14 | 29 | 28 | 27 | 28 | 29 | 28 | 29 | 25 | 22 | 12 | 26 | 26 | 28 | 26 | 25 | 21 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| fo F1 | MED | | | | | | | | 1 | 1 | 3 | 485 | 560 | 500 | 490 | 500 | 545 | | | | | | | | |
| | CNT | | | | | | | | | | | 12 | 11 | 11 | 12 | 10 | 5 | | | | | | | | |
| fo E | MED | | | | | | | | 240 | 290 | 325 | 355 | 365 | 370 | 365 | 350 | 330 | 295 | 250 | | | | | | |
| | CNT | | | | | | | | 18 | 26 | 22 | 20 | 20 | 23 | 21 | 25 | 24 | 21 | 18 | | | | | | |
| h' E | MED | | | | | | | | 105 | 102 | 100 | 100 | 101 | 100 | 102 | 103 | 104 | 101 | 110 | | | | | | |
| | CNT | | | | | | | | 15 | 20 | 16 | 15 | 16 | 20 | 19 | 21 | 22 | 17 | 16 | | | | | | |
| fo Es | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES, AUTOMATIC OPERATION.

SEPTEMBER, 1956

TABLE 91

CAMPBELL I. (52.5S, 169.2E)

TIME 165.0E

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | | | | | | 48 | 58 | 69 | 73 | 80 | 85 | 93 | 94 | 98 | 98 | 96 | 95 | 92 | 85 | 75 | 69 | 68 | 68 | 61 |
| | CNT | | | | | | 26 | 29 | 29 | 29 | 30 | 30 | 28 | 30 | 30 | 30 | 29 | 27 | 29 | 28 | 28 | 24 | 26 | 24 | 23 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | 280 | 260 | 250 | 250 | 260 | 270 | 260 | 270 | 270 | 250 | 250 | 250 | 240 | 250 | 250 | 270 | 280 | 280 | 280 |
| | CNT | | | | | | 25 | 27 | 28 | 26 | 15 | 22 | 24 | 22 | 22 | 16 | 23 | 25 | 29 | 28 | 27 | 25 | 26 | 23 | 20 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | | | | | | 270 | 290 | 300 | 300 | 290 | 290 | 290 | 280 | 270 | 280 | 280 | 280 | 280 | 270 | 270 | 260 | 260 | 260 | 260 |
| | CNT | | | | | | 26 | 29 | 29 | 29 | 30 | 30 | 28 | 30 | 30 | 30 | 29 | 27 | 29 | 28 | 28 | 24 | 26 | 24 | 23 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | U 370 | 400 | 450 | 470 | 490 | 500 | 460 | 430 | 420 | U 380 | | | | | | | |
| | CNT | | | | | | | | 1 | 18 | 15 | 22 | 25 | 21 | 22 | 16 | 20 | 3 | | | | | | | |
| foE | MED | | | | | | | 190 | 250 | 290 | 320 | 330 | 340 | 340 | 340 | 320 | 300 | 260 | 200 | U 150 | | | | | |
| | CNT | | | | | | | 20 | 25 | 27 | 27 | 25 | 26 | 28 | 29 | 29 | 29 | 27 | 22 | 2 | | | | | |
| h'E | MED | | | | | | | 120 | 120 | 110 | 110 | 110 | 110 | 110 | 115 | 110 | 120 | 120 | 125 | | | | | | |
| | CNT | | | | | | | 12 | 21 | 27 | 27 | 27 | 26 | 27 | 29 | 29 | 28 | 24 | 14 | | | | | | |
| foEs | MED | | | | | | | | | | | | | | | | | | | | | | | | |
| | CNT | | | | | | | | | | | | | | | | | | | | | | | | |

SWEEP 1.0 MC TO 13.0 MC IN 2 MINUTES.

SEPTEMBER, 1956

TABLE 92

TERRE ADELIE (66.7S, 140.0E)

TIME 0.0

| HOUR | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | U 75 | U 73 | U 72 | U 80 | U 80 | U 78 | U 82 | U 79 | U 78 | 77 | U 80 | U 74 | U 64 | | | | | | | | | | 60 | 66 |
| | CNT | 11 | 14 | 16 | 18 | 19 | 18 | 19 | 20 | 19 | 20 | 19 | 15 | 8 | | | | | | | | | | 14 | 12 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | 325 | 340 | 380 | 350 | 350 | 350 | 330 | U 300 | U 300 | | | | | | | | | | | | | | 305 | 295 |
| | CNT | 9 | 16 | 17 | 20 | 15 | 15 | 11 | 6 | 1 | | | | | | | | | | | | | | 4 | 6 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 240 | 240 | 230 | 225 | 230 | 235 | 230 | 240 | 250 | 250 | 250 | 250 | 250 | | | | | | | | | | 250 | 245 |
| | CNT | 23 | 22 | 22 | 23 | 24 | 24 | 25 | 25 | 23 | 27 | 26 | 28 | 27 | | | | | | | | | | 20 | 23 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | U 285 | U 276 | 260 | 240 | U 255 | U 270 | 255 | 270 | 265 | 265 | 265 | U 260 | U 260 | | | | | | | | | | 285 | U 270 |
| | CNT | 5 | 10 | 10 | 13 | 15 | 11 | 14 | 14 | 16 | 17 | 14 | 10 | 5 | | | | | | | | | | 10 | 5 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | 430 | 440 | 460 | 450 | 430 | U 420 | 420 | U 400 | | | | | | | | | | | | | | | U 450 | U 420 |
| | CNT | 8 | 11 | 14 | 14 | 11 | 9 | 8 | 1 | | | | | | | | | | | | | | | 1 | 1 |
| foE | MED | 280 | 300 | 305 | U 305 | 290 | 280 | 260 | 225 | 190 | 155 | U 140 | | | | | | | | | | | | 225 | 265 |
| | CNT | 15 | 18 | 17 | 20 | 19 | 21 | 20 | 22 | 21 | 12 | 1 | | | | | | | | | | | | 18 | 20 |
| h'E | MED | 110 | 110 | 110 | 105 | 105 | 110 | 110 | 110 | 120 | 140 | | | | | | | | | | | | | 115 | 110 |
| | CNT | 16 | 17 | 21 | 23 | 19 | 20 | 17 | 21 | 16 | 5 | | | | | | | | | | | | | 19 | 18 |
| foEs | MED | C | G | C | G | C | G | C | G | C | E | E | 20 | E | | | | | | | | | | G | G |
| | CNT | 21 | 23 | 23 | 23 | 26 | 24 | 25 | 25 | 24 | 26 | 26 | 26 | 24 | | | | | | | | | | 19 | 22 |

SWEEP 1.3 MC TO 17.0 MC IN 1 MINUTE.

SEPTEMBER, 1956

TABLE 93

LWIRO, CONGO (2.35, 28.8E)

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| f0F2 | MED | 39 | 38 | 36 | 37 | 32 | 30 | 38 | 57 | 65 | 70 | 80 | 85 | 87 | 85 | 87 | 85 | 81 | 82 | 81 | 77 | 74 | 78 | 80 | 69 |
| | CNT | 24 | 26 | 24 | 23 | 22 | 20 | 26 | 28 | 29 | 30 | 30 | 29 | 29 | 28 | 28 | 29 | 29 | 28 | 30 | 29 | 30 | 26 | 27 | 26 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | 275 | 310 | 360 | 380 | 388 | 425 | 425 | 385 | 370 | 360 | 380 | 358 | | | | | |
| | CNT | | | | | | | 1 | 16 | 25 | 28 | 29 | 28 | 27 | 26 | 24 | 27 | 26 | 23 | 6 | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 248 | 275 | 260 | 252 | 250 | 252 | 245 | 230 | 220 | 212 | 205 | 200 | 200 | 200 | 200 | 212 | 215 | 240 | 268 | 278 | 290 | 360 | 325 | 205 |
| | CNT | 28 | 27 | 26 | 26 | 25 | 24 | 26 | 24 | 25 | 26 | 25 | 20 | 17 | 18 | 16 | 14 | 19 | 21 | 22 | 28 | 28 | 28 | 28 | 29 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MEQ | 297 | 304 | 306 | 317 | 318 | 331 | 334 | 322 | 308 | 285 | 277 | 273 | 267 | 269 | 272 | 276 | 274 | 272 | 282 | 284 | 284 | 309 | 346 | 333 |
| | CNT | 24 | 24 | 22 | 21 | 20 | 18 | 24 | 27 | 28 | 30 | 30 | 29 | 29 | 28 | 28 | 28 | 29 | 28 | 30 | 28 | 30 | 26 | 24 | 25 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | | 400 | 428 | 435 | 445 | 445 | 440 | 430 | 420 | 400 | 360 | | | | | | |
| | CNT | | | | | | | | 2 | 19 | 28 | 29 | 30 | 27 | 28 | 23 | 23 | 22 | 9 | 3 | | | | | |
| foE | MED | | | | | | | | 231 | 276 | 308 | 328 | 338 | 343 | 339 | 328 | 304 | 271 | 218 | | | | | | |
| | CNT | | | | | | | | 15 | 22 | 22 | 24 | 24 | 21 | 23 | 20 | 20 | 17 | 12 | | | | | | |
| h'E | MED | | | | | | | | 116 | 111 | 109 | 109 | 107 | 108 | 109 | 110 | 110 | 111 | 116 | | | | | | |
| | CNT | | | | | | | | 18 | 21 | 23 | 24 | 24 | 23 | 26 | 23 | 21 | 15 | 12 | | | | | | |
| foEs | MED | | E | E | E | | | | | | | E | E | | | | | | | | | | | | |
| | CNT | 28 | 28 | 28 | 13 | 13 | 17 | 19 | 24 | 29 | 31 | 20 | 19 | 20 | 20 | 19 | 31 | 30 | 29 | 24 | 27 | 21 | 18 | 17 | 16 |
| | | | | | 28 | 28 | 28 | 28 | 28 | 29 | 30 | 30 | 30 | 29 | 29 | 28 | 29 | 29 | 29 | 30 | 29 | 29 | 30 | 29 | 29 |

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES. AUTOMATIC OPERATION.

DECEMBER, 1954

TABLE 94

LWIRO, CONGO (2.35, 28.8E)

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| fo F2 | MED | 51 | 50 | 46 | 46 | 40 | 29 | 48 | 62 | 68 | 77 | 84 | 86 | 96 | 98 | 100 | 101 | E 107 | U 102 | 99 | 92 | 90 | 95 | U 104 | 80 |
| | CNT | 23 | 18 | 19 | 19 | 20 | 19 | 22 | 21 | 22 | 25 | 24 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 21 | 22 | 23 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h' F2 | MED | | | | | | | | 265 | 298 | 315 | 335 | 408 | 410 | 395 | 378 | 370 | 358 | 340 | | | | | | |
| | CNT | | | | | | | 4 | 19 | 20 | 25 | 20 | 20 | 23 | 21 | 20 | 21 | 22 | 19 | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h' F | MEQ | 210 | 255 | 250 | 238 | 230 | 225 | 235 | 220 | 218 | 215 | 205 | 202 | 200 | 205 | 205 | 220 | 230 | 235 | 260 | 268 | 270 | 260 | 220 | 200 |
| | CNT | 25 | 25 | 25 | 24 | 23 | 21 | 20 | 17 | 18 | 14 | 10 | 12 | 13 | 9 | 10 | 13 | 15 | 19 | 21 | 24 | 24 | 24 | 24 | 24 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MEQ | 304 | 289 | 304 | 322 | 333 | 341 | 340 | 333 | 307 | 293 | 278 | 265 | 264 | 267 | 267 | 272 | 276 | 280 | 292 | 289 | 286 | 300 | 342 | 367 |
| | CNT | 21 | 16 | 18 | 17 | 20 | 18 | 19 | 21 | 22 | 25 | 24 | 24 | 22 | 21 | 21 | 22 | 20 | 18 | 20 | 18 | 19 | 14 | 16 | 21 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| fo F1 | MEQ | | | | | | | | 4 | 430 | 445 | 450 | 450 | 465 | 455 | 440 | 430 | 410 | | | | | | | |
| | CNT | | | | | | | | | 12 | 21 | 20 | 18 | 17 | 19 | 17 | 13 | 12 | 2 | | | | | | |
| fo E | MEQ | | | | | | | 150 | 244 | 280 | 314 | 334 | 343 | 348 | 344 | 329 | 304 | 285 | 215 | | | | | | |
| | CNT | | | | | | | 5 | 17 | 18 | 23 | 24 | 21 | 20 | 21 | 23 | 22 | 19 | 11 | | | | | | |
| h' E | MED | | | | | | | 129 | 109 | 110 | 104 | 104 | 103 | 103 | 103 | 104 | 105 | 109 | 109 | | | | | | |
| | CNT | | | | | | | 5 | 13 | 14 | 18 | 21 | 20 | 18 | 19 | 20 | 21 | 15 | 9 | | | | | | |
| foEs | MED | 17 | E 16 | E 19 | 17 | 18 | 19 | 26 | 31 | 38 | 35 | 29 | 40 | 41 | 28 | E 18 | 44 | 39 | 30 | 32 | 27 | 24 | 18 | 22 | 19 |
| | CNT | 25 | 24 | 24 | 24 | 23 | 23 | 22 | 22 | 22 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES. AUTOMATIC OPERATION.

NOVEMBER, 1954

TABLE 95

LWIRO, CONGO (2.35, 28.8E)

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MEQ | 40 | 34 | 35 | 35 | 34 | 29 | 52 | 68 | 73 | 76 | 86 | 92 | 88 | 91 | 100 | 104 | 106 | 107 | D 100 | D 100 | D 100 | U 107 | D 100 | 82 |
| | CNT | 22 | 18 | 19 | 21 | 25 | 19 | 28 | 29 | 28 | 29 | 29 | 28 | 29 | 28 | 29 | 29 | 30 | 30 | 30 | 30 | 29 | 24 | 23 | 23 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h F2 | MEQ | | | | | | | | 240 | 260 | 295 | 305 | 308 | 332 | 390 | 365 | 335 | 300 | 290 | | | | | | |
| | CNT | | | | | | | 1 | 25 | 27 | 26 | 27 | 28 | 24 | 25 | 23 | 27 | 22 | 17 | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MEQ | 200 | 265 | 270 | 265 | 248 | 240 | 235 | 230 | 220 | 210 | 210 | 205 | 200 | 198 | 195 | 202 | 228 | 240 | 250 | 265 | 250 | 235 | 210 | 200 |
| | CNT | 28 | 27 | 27 | 29 | 28 | 25 | 28 | 22 | 19 | 19 | 19 | 23 | 21 | 20 | 17 | 8 | 14 | 21 | 29 | 30 | 29 | 28 | 29 | 29 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MEQ | 314 | 276 | 288 | 296 | 323 | 332 | 360 | 368 | 345 | 304 | 300 | 288 | 276 | 264 | 271 | 281 | 288 | 289 | 297 | 295 | 301 | 323 | 350 | 372 |
| | CNT | 18 | 18 | 18 | 19 | 19 | 18 | 24 | 28 | 28 | 29 | 29 | 24 | 27 | 24 | 27 | 27 | 28 | 25 | 21 | 19 | 19 | 19 | 17 | 19 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | | 430 | 450 | 460 | 462 | 470 | 460 | 452 | 440 | 400 | | | | | | | |
| | CNT | | | | | | | | 2 | 19 | 24 | 25 | 24 | 24 | 21 | 20 | 23 | 9 | | | | | | | |
| [illegible] | MED | | | | | | | | | 285 | 315 | 335 | 344 | 348 | 340 | 325 | 304 | 269 | 215 | | | | | | |
| | CNT | | | | | | | | 1 25 | 26 | 25 | 26 | 29 | 20 | 28 | 26 | 27 | 25 | 11 | | | | | | |
| h'E | MED | | | | | | | | 117 | 111 | 106 | 108 | 109 | 106 | 108 | 108 | 109 | 111 | 119 | | | | | | |
| | CNT | | | | | | | | 21 | 21 | 25 | 23 | 28 | 23 | 25 | 25 | 11 | 23 | 10 | | | | | | |
| foEs | MED | | E | E | | | | | | | | | | E | | F | | | | | | | | E | E |
| | CNT | 29 | 29 | 29 | 14 | 20 | 27 | 29 | 37 | 36 | 23 | 39 | 30 | 17 | 21 | 18 | 28 | 32 | 32 | 24 | 26 | 21 | 18 | 29 | 29 |
| | | | | | 16 | 29 | 29 | 29 | 29 | 28 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 29 | 29 | | |

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES. AUTOMATIC OPERATION.

OCTOBER, 1954

TABLE 96

LWIRO, CONGO (2.35, 28.8E)

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 45 | 33 | 32 | 30 | 26 | 24 | 39 | 65 | 78 | 86 | 90 | 88 | 100 | 97 | 95 | 100 | 100 | 98 | 101 | U 98 | U 98 | U 96 | 90 | 88 |
| | CNT | 23 | 25 | 21 | 18 | 18 | 18 | 27 | 27 | 27 | 22 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 27 | 28 | 28 | 28 | 28 | 26 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | 2 | | | | | | | 248 | 260 | 280 | 280 | 290 | 300 | 290 | 302 | 325 | 320 | 295 | | | | | | |
| | CNT | | | | | | | | 22 | 27 | 21 | 28 | 25 | 25 | 25 | 24 | 28 | 24 | 10 | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 200 | 225 | 250 | 250 | 260 | 255 | 240 | 225 | 220 | 215 | 210 | 200 | 195 | 195 | 190 | 190 | 235 | 240 | 245 | 245 | 235 | 220 | 200 | 200 |
| | CNT | 22 | 21 | 22 | 19 | 20 | 16 | 24 | 18 | 15 | 5 | A | 16 | 16 | 18 | 14 | 5 | 5 | 15 | 18 | 27 | 27 | 27 | 28 | 26 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 332 | 308 | 294 | 297 | 313 | U 311 | U 338 | 360 | 347 | 323 | 329 | 304 | 296 | 296 | 280 | 278 | 287 | 290 | 300 | 310 | 323 | 345 | 364 | 375 |
| | CNT | 20 | 21 | 17 | 15 | 15 | 11 | 18 | 26 | 27 | 22 | 27 | 25 | 25 | 28 | 25 | 25 | 27 | 26 | 23 | 23 | 23 | 25 | 23 | 22 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MEQ | 2 | | | | | | | U 380 | 420 | 435 | 440 | 450 | 450 | 445 | 435 | 428 | U 412 | | | | | | | |
| | CNT | | | | | | | | 6 | 23 | 17 | 21 | 21 | 23 | 21 | 19 | 14 | 6 | 1 | | | | | | |
| foE | MED | | | | | | | | 220 | 278 | 303 | 325 | 335 | 340 | 335 | 324 | 305 | 271 | 224 | | | | | | |
| | CNT | | | | | | | | 16 | 25 | 17 | 26 | 25 | 24 | 25 | 23 | 20 | 18 | 13 | | | | | | |
| h'E | MED | | | | | | | | 113 | 105 | 104 | 102 | 102 | 103 | 104 | 104 | 104 | 108 | 113 | | | | | | |
| | CNT | | | | | | | | 17 | 15 | 18 | 19 | 20 | 22 | 21 | 21 | 22 | 15 | 7 | | | | | | |
| foEs | MED | F | | 20 | 21 | 17 | 18 | 28 | 25 | 29 | | | E 26 | 34 | 38 | 38 | 38 | 29 | 29 | 28 | 24 | 20 | E 15 | E 28 | E 28 |
| | CNT | 28 | 28 | 28 | 27 | 27 | 27 | 27 | 27 | 24 | 40 | 34 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | | | |

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES. AUTOMATIC OPERATION.

SEPTEMBER, 1954

TABLE 97

LWIRO, CONGO (2.3S, 28.8E)

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 31 | 26 | 23 | 18 | 15 | 18 | 30 | 57 | 65 | 74 | 70 | 76 | 80 | 78 | 77 | 78 | 74 | 72 | 71 | 69 | 67 | 62 | 46 | 37 |
| | CNT | 21 | 22 | 19 | 20 | 21 | 20 | 29 | 29 | 29 | 24 | 30 | 29 | 30 | 30 | 28 | 28 | 28 | 28 | 27 | 27 | 29 | 26 | 27 | 25 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | 250 | 265 | 280 | 285 | 290 | 290 | 285 | 300 | 295 | 285 | 280 | | | | | | |
| | CNT | | | | | | | | 27 | 29 | 24 | 29 | 29 | 28 | 27 | 27 | 24 | 23 | 17 | 1 | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | E | E | | | | | | | | | | | | | | | | | | |
| h'F | MED | 220 | 210 | 235 | 310 | | 315 | 250 | 235 | 220 | 220 | 210 | 200 | 198 | 195 | 190 | 190 | 185 | 240 | 240 | 250 | 235 | 220 | 212 | 205 |
| | CNT | 25 | 27 | 23 | 17 | 19 | 16 | 27 | 19 | 17 | 11 | 16 | 19 | 18 | 26 | 25 | 18 | 7 | 13 | 16 | 25 | 29 | 25 | 26 | 22 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 342 | 345 | 320 | 303 | U | 319 | 330 | 355 | 348 | 339 | 327 | 316 | 316 | 317 | 306 | 299 | 301 | 301 | 302 | 308 | 327 | 352 | 359 | 348 |
| | CNT | 21 | 20 | 16 | 14 | 9 | 10 | 29 | 29 | 29 | 24 | 30 | 29 | 29 | 29 | 27 | 27 | 28 | 28 | 27 | 27 | 29 | 26 | 26 | 24 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | 2 | 390 | 418 | 430 | 440 | 440 | 435 | 425 | 410 | 380 | | | | | | | |
| | CNT | | | | | | | | | 26 | 22 | 23 | 23 | 20 | 25 | 22 | 21 | 18 | 1 | | | | | | |
| foE | MED | | | | | | | | 198 | 258 | 295 | 318 | 332 | 337 | 335 | 325 | 303 | 273 | 224 | | | | | | |
| | CNT | | | | | | | | 20 | 25 | 21 | 27 | 30 | 26 | 20 | 25 | 20 | 21 | 14 | | | | | | |
| h'E | MED | | | | | | | | 117 | 110 | 106 | 104 | 104 | 104 | 104 | 106 | 107 | 109 | 115 | | | | | | |
| | CNT | | | | | | | | 21 | 21 | 19 | 24 | 24 | 26 | 24 | 21 | 24 | 18 | 18 | | | | | | |
| foEs | MED | 17 | | 15 | 18 | 15 | 17 | 27 | 31 | 28 | 20 | 31 | 26 | 35 | 33 | 25 | 30 | 31 | 30 | 32 | 28 | 27 | 20 | 16 | 13 |
| | CNT | 27 | E 28 | 27 | 27 | 28 | 28 | 29 | 29 | 29 | 24 | 29 | 30 | 30 | 30 | 28 | 29 | 29 | 28 | 27 | 27 | 29 | 27 | 29 | 28 |

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES, AUTOMATIC OPERATION.

AUGUST, 1954

TABLE 98

LWIRO, CONGO (2.3S, 28.8E)

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 24 | 22 | U 20 | U 20 | U 21 | U 21 | 27 | 52 | 62 | 64 | 69 | 66 | 69 | 77 | 75 | 76 | 73 | 72 | 70 | 62 | 61 | 40 | 31 | 26 |
| | CNT | 13 | 11 | 9 | 6 | 6 | 5 | 23 | 22 | 26 | 20 | 25 | 26 | 26 | 25 | 26 | 24 | 23 | 22 | 24 | 24 | 27 | 24 | 20 | 14 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | 262 | 285 | 285 | 285 | 298 | 300 | 300 | 315 | 300 | 295 | 278 | | | | | | |
| | CNT | | | | | | | | 10 | 21 | 19 | 24 | 26 | 25 | 23 | 23 | 23 | 18 | 14 | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 225 | 220 | 230 | 272 | 258 | | 260 | 240 | 232 | | 215 | 210 | 210 | 200 | 195 | | | 250 | 235 | 235 | 222 | 210 | 215 | 235 |
| | CNT | 22 | 20 | 18 | 12 | 10 | 4 | 20 | 12 | 16 | 4 | 17 | 12 | 10 | 11 | 12 | 2 | 4 | 5 | 16 | 23 | 24 | 20 | 21 | 21 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 356 | U 321 | U 329 | | | | 326 | 338 | 337 | 329 | 338 | 322 | 308 | 311 | 296 | 294 | 292 | 303 | 313 | 329 | 348 | 363 | 339 | 326 |
| | CNT | 10 | 7 | 6 | 2 | 4 | 1 | 17 | 19 | 23 | 20 | 24 | 26 | 26 | 23 | 24 | 23 | 20 | 21 | 23 | 23 | 26 | 21 | 18 | 11 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | 2 | 390 | 405 | 420 | 430 | 430 | 430 | 420 | 410 | 388 | | | | | | | |
| | CNT | | | | | | | | | 19 | 17 | 18 | 23 | 24 | 19 | 19 | 19 | 14 | 4 | | | | | | |
| foE | MED | | | | | | | | 204 | 268 | 301 | 320 | 329 | 334 | 329 | 318 | 301 | 274 | 219 | | | | | | |
| | CNT | | | | | | | | 19 | 24 | 20 | 22 | 24 | 26 | 27 | 27 | 19 | 18 | 10 | | | | | | |
| h'E | MED | | | | | | | | 122 | 112 | 108 | 108 | 110 | 109 | 110 | 110 | 111 | 112 | 117 | | | | | | |
| | CNT | | | | | | | | 17 | 23 | 15 | 19 | 23 | 25 | 23 | 23 | 18 | 17 | 7 | | | | | | |
| foEs | MED | 25 | 20 | 25 | 30 | 28 | 34 | 30 | 45 | 44 | 52 | 48 | 48 | 48 | 48 | 48 | 46 | 44 | 50 | 40 | 29 | 29 | 33 | 28 | 28 |
| | CNT | 27 | 24 | 25 | 24 | 26 | 21 | 26 | 23 | 26 | 21 | 25 | 28 | 28 | 28 | 28 | 24 | 24 | 24 | 25 | 25 | 27 | 25 | 27 | 25 |

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES, AUTOMATIC OPERATION.

JULY, 1954

TABLE 99

LWIRO, CONGO (2.3S, 28.8E)

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 28 | U 30 | U 28 | U 22 | U 20 | U 18 | 30 | 51 | 64 | 62 | 65 | U 68 | U 82 | 87 | 86 | 82 | 81 | 74 | 72 | 68 | 64 | 39 | 31 | 24 |
| | CNT | 12 | 8 | 6 | 6 | 8 | 8 | 13 | 13 | 14 | 15 | 13 | 8 | 9 | 10 | 10 | 11 | 12 | 14 | 12 | 14 | 14 | 14 | 13 | 12 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | U 270 | U 295 | U 315 | U 302 | U 295 | U 295 | U 302 | U 315 | U 320 | U 295 | 255 | | | | | | |
| | CNT | | | | | | | | 5 | 11 | 9 | 8 | 5 | 6 | 8 | 6 | 8 | 9 | 10 | | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | U 232 | 255 | U 240 | U 272 | U 260 | | 255 | 240 | | | | | | | | | | | U 235 | 238 | 220 | 220 | U 228 | 250 |
| | CNT | 8 | 10 | 8 | 6 | 7 | 4 | 12 | 7 | 4 | 4 | 1 | 2 | 1 | 3 | 2 | 1 | | 2 | 6 | 10 | 10 | 10 | 10 | 10 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | U 309 | U 308 | | | U 3 | | U 321 | U 340 | U 334 | U 315 | U 316 | U 323 | U 315 | U 302 | U 288 | U 291 | 305 | 324 | 326 | 336 | U 350 | U 356 | U 324 | U 317 |
| | CNT | 8 | 6 | 4 | 3 | 2 | | 12 | 11 | 12 | 10 | 8 | 6 | 6 | 8 | 7 | 9 | 10 | 12 | 11 | 13 | 12 | 13 | 10 | 9 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | ? | 390 | 410 | 420 | 425 | 425 | 420 | 420 | 405 | 375 | | | | | | | |
| | CNT | | | | | | | | | 9 | 14 | 11 | 8 | 8 | 9 | 6 | 9 | 6 | 1 | | | | | | |
| foE | MED | | | | | | | | 206 | 265 | 295 | 316 | 330 | 330 | 330 | 312 | 295 | 258 | 202 | | | | | | |
| | CNT | | | | | | | | 10 | 11 | 13 | 12 | 7 | 7 | 8 | 8 | 8 | 8 | 6 | | | | | | |
| h'E | MED | | | | | | | | 125 | 111 | 109 | 109 | U 110 | 109 | 109 | 109 | 111 | 4 | 2 | | | | | | |
| | CNT | | | | | | | | 10 | 8 | 9 | 5 | 6 | 6 | 7 | 7 | 5 | | | | | | | | |
| foEs | MED | 18 | 20 | 20 | 24 | 21 | 28 | 21 | 30 | 35 | 44 | 44 | U 48 | 49 | 41 | 52 | 48 | 50 | 44 | 44 | 32 | 24 | 22 | 22 | 20 |
| | CNT | 14 | 14 | 14 | 14 | 14 | 14 | 13 | 13 | 13 | 16 | 14 | 8 | 11 | 10 | 12 | 12 | 12 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES, AUTOMATIC OPERATION.

JUNE, 1954

TABLE 100

LWIRO, CONGO (2.3S, 28.8E)

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| foF2 | MED | 34 | 32 | 30 | 25 | 23 | 22 | 30 | 48 | 54 | 66 | 74 | 77 | 84 | 96 | 97 | 86 | 78 | 80 | 80 | 75 | 70 | 68 | 78 | 50 |
| | CNT | 26 | 26 | 25 | 28 | 27 | 23 | 29 | 28 | 28 | 30 | 31 | 31 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 30 | 28 | 29 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F2 | MED | | | | | | | | 275 | 360 | 375 | 452 | 445 | 430 | 375 | 335 | 340 | 380 | 370 | 310 | | | | | |
| | CNT | | | | | | | | 15 | 27 | 29 | 30 | 30 | 31 | 31 | 31 | 29 | 30 | 31 | 25 | | | | | |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| h'F | MED | 270 | 280 | 262 | 260 | 270 | 260 | 260 | 240 | 225 | 225 | 225 | 220 | 218 | 215 | 215 | 220 | 215 | 250 | 270 | 280 | 300 | 272 | 240 | 208 |
| | CNT | 27 | 27 | 26 | 25 | 24 | 22 | 29 | 20 | 25 | 21 | 23 | 20 | 24 | 22 | 19 | 19 | 19 | 25 | 20 | 29 | 31 | 30 | 30 | 28 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| (M3000)F2 | MED | 292 | 294 | 305 | 318 | 318 | 326 | 327 | 326 | 294 | 268 | 258 | 256 | 259 | 275 | 291 | 272 | 264 | 268 | 279 | 281 | 278 | 299 | 341 | 350 |
| | CNT | 24 | 24 | 24 | 27 | 26 | 21 | 29 | 27 | 28 | 29 | 31 | 30 | 27 | 25 | 29 | 29 | 31 | 31 | 31 | 29 | 30 | 29 | 27 | 27 |
| | UQ | | | | | | | | | | | | | | | | | | | | | | | | |
| | LQ | | | | | | | | | | | | | | | | | | | | | | | | |
| foF1 | MED | | | | | | | | 4 | 410 | 420 | 428 | 435 | 435 | 430 | 425 | 425 | 420 | 385 | | | | | | |
| | CNT | | | | | | | | | 26 | 29 | 30 | 30 | 30 | 30 | 27 | 26 | 25 | 24 | 1 | | | | | |
| foE | MED | | | | | | | E | 206 | 259 | 300 | 320 | 332 | 338 | 335 | 324 | 301 | 273 | 235 | 165 | | | | | |
| | CNT | | | | | | | 10 | 17 | 26 | 27 | 31 | 30 | 30 | 28 | 29 | 30 | 27 | 25 | 9 | | | | | |
| h'E | MED | | | | | | | E | 120 | 114 | 114 | 113 | 114 | 113 | 115 | 113 | 116 | 118 | 121 | 141 | | | | | |
| | CNT | | | | | | | 10 | 10 | 15 | 19 | 25 | 26 | 22 | 21 | 23 | 26 | 20 | 21 | 7 | | | | | |
| foEs | MED | E 30 | E 29 | E 29 | E 29 | 14 | 18 | 18 | 24 | 24 | 26 | 36 | 26 | 22 | 26 | 31 | 29 | 23 | 27 | 21 | 17 | E 16 | E 31 | E 31 | E 30 |
| | CNT | | | | | 30 | 28 | 29 | 28 | 27 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | | | |

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES, AUTOMATIC OPERATION.

JANUARY, 1954

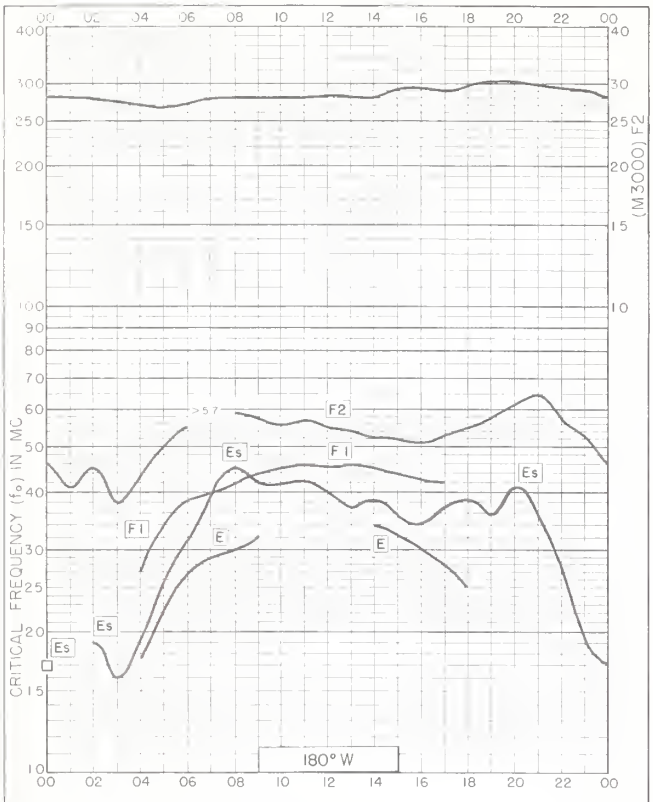


Fig. 1. ADAK, ALASKA
51.9°N, 176.6° W JUNE 1961

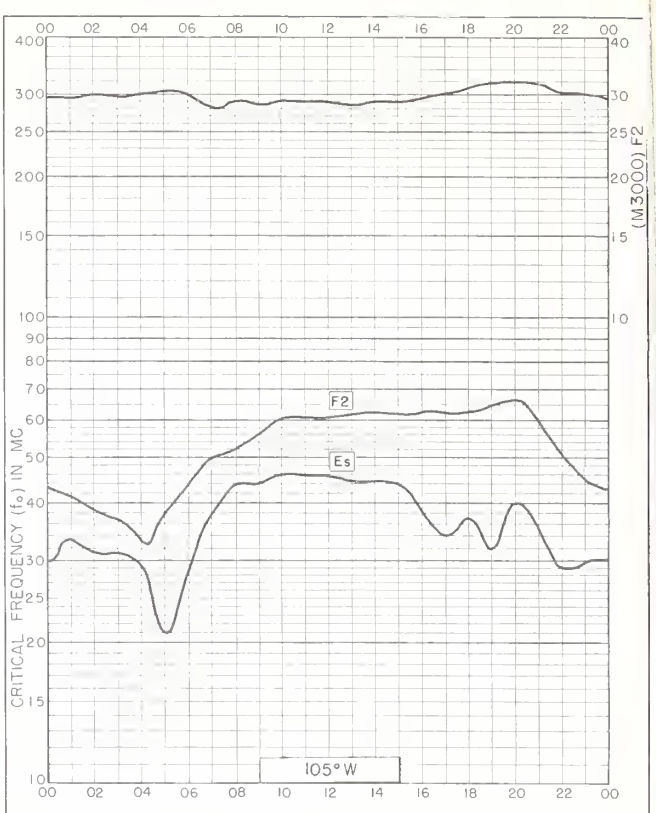


Fig. 2. BOULDER, COLORADO
40.0°N, 105.3° W JUNE 1961

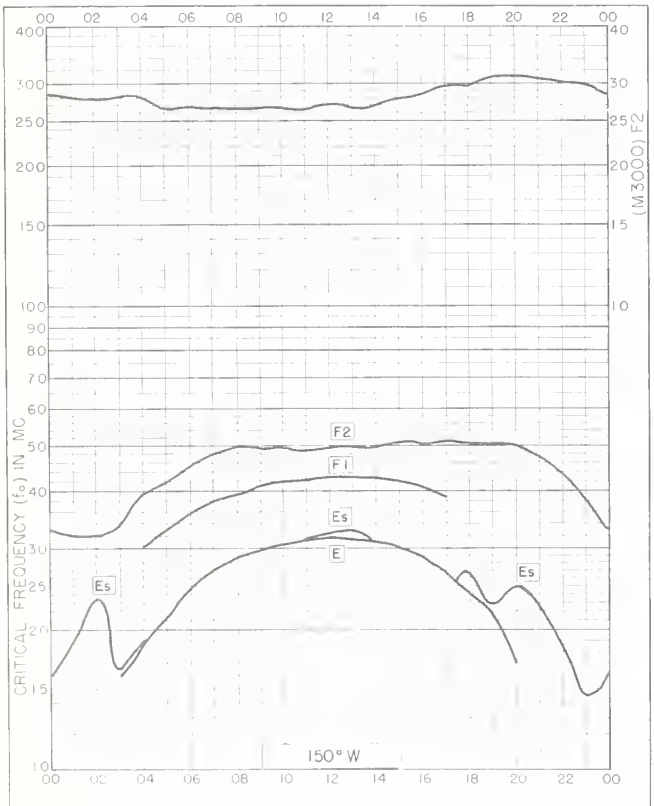


Fig. 3. ANCHORAGE, ALASKA
61.2°N, 149.9° W MAY 1961

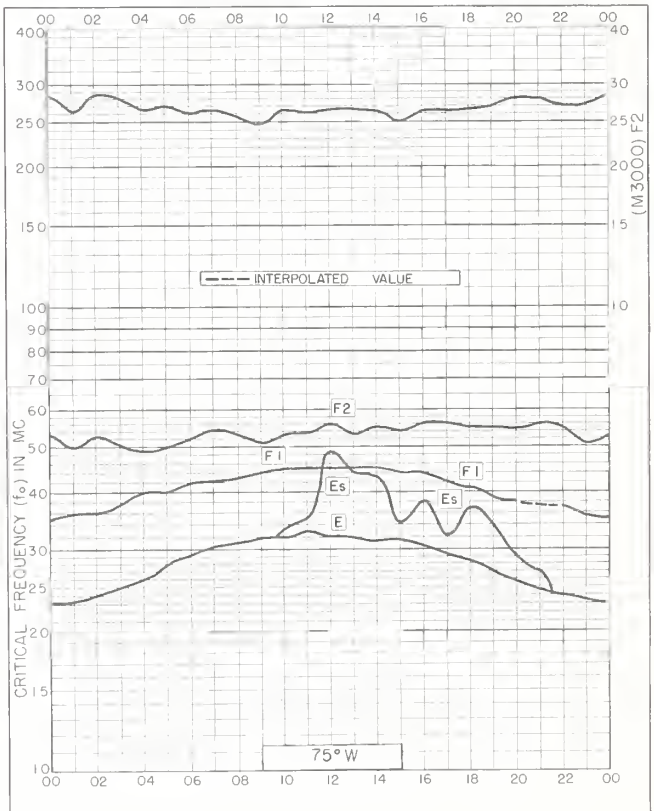


Fig. 4. THULE, GREENLAND
76.6°N, 68.7° W JUNE 1960

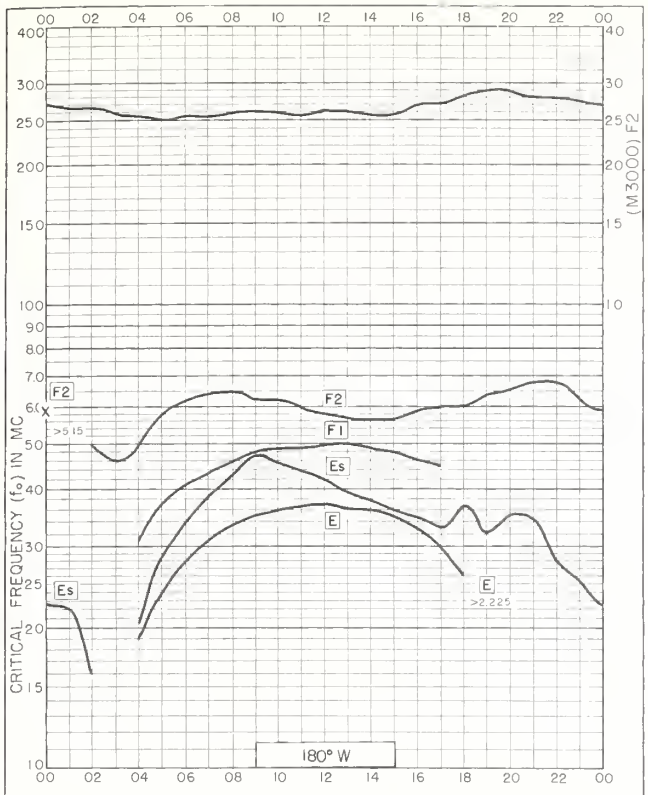


Fig. 5. ADAK, ALASKA
51.9°N, 176.6° W JUNE 1960

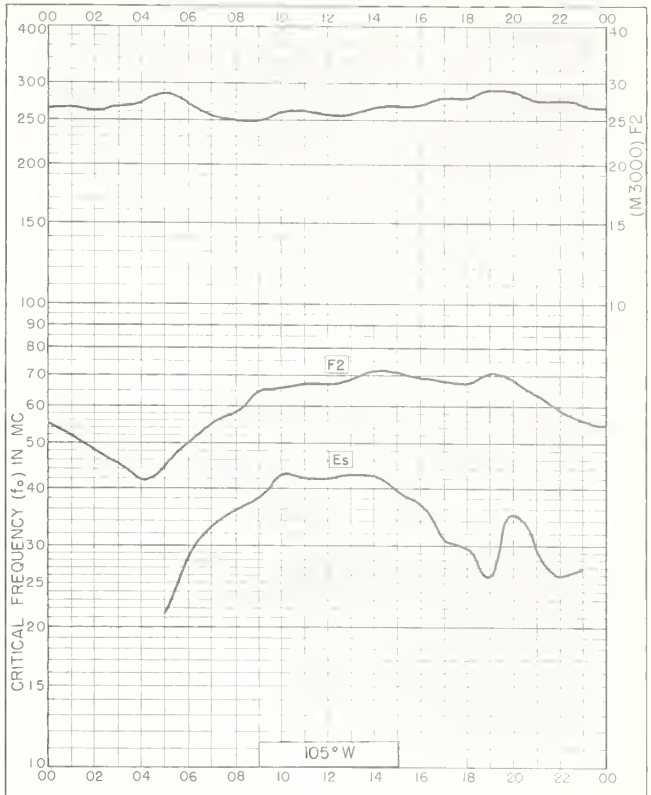


Fig. 6. BOULDER, COLORADO
40.0°N, 105.3° W JUNE 1960

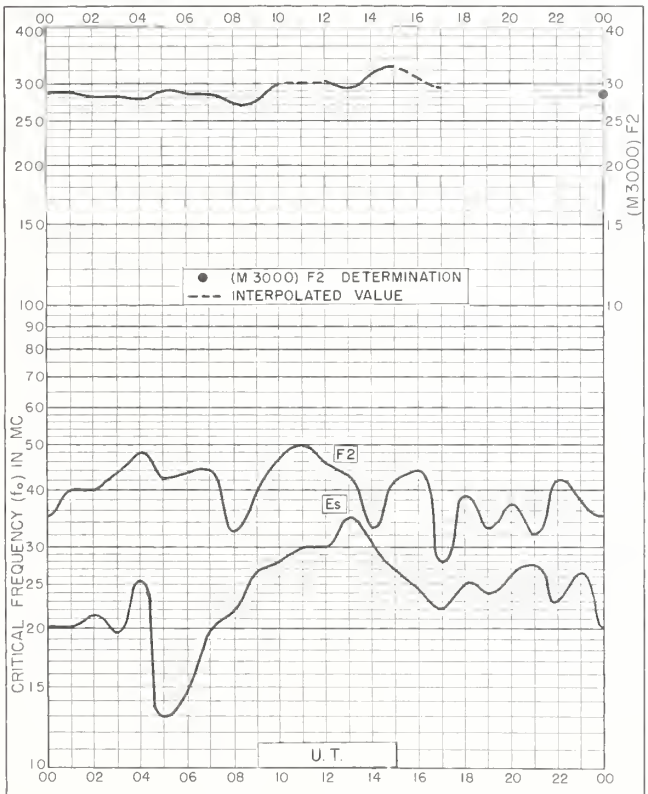


Fig. 7. POLE STATION
90.0°S JUNE 1960

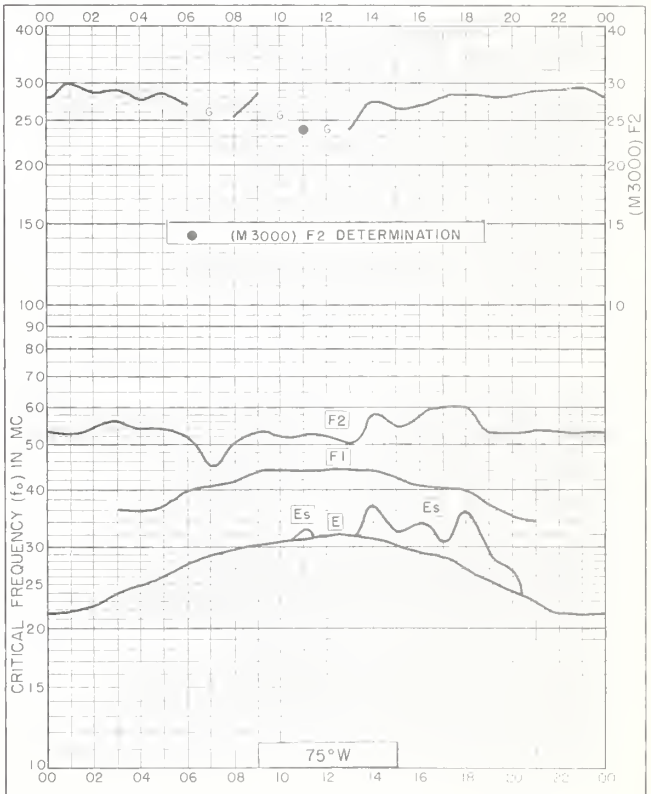


Fig. 8. THULE, GREENLAND
76.6°N, 68.7° W MAY 1960

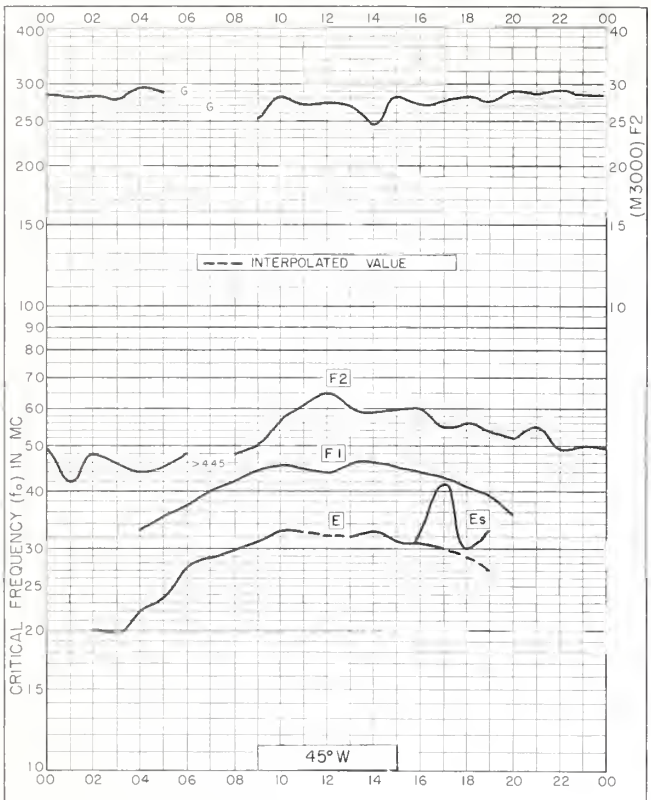


Fig. 9. GODHAVN, GREENLAND
69.3°N, 53.5°W MAY 1960

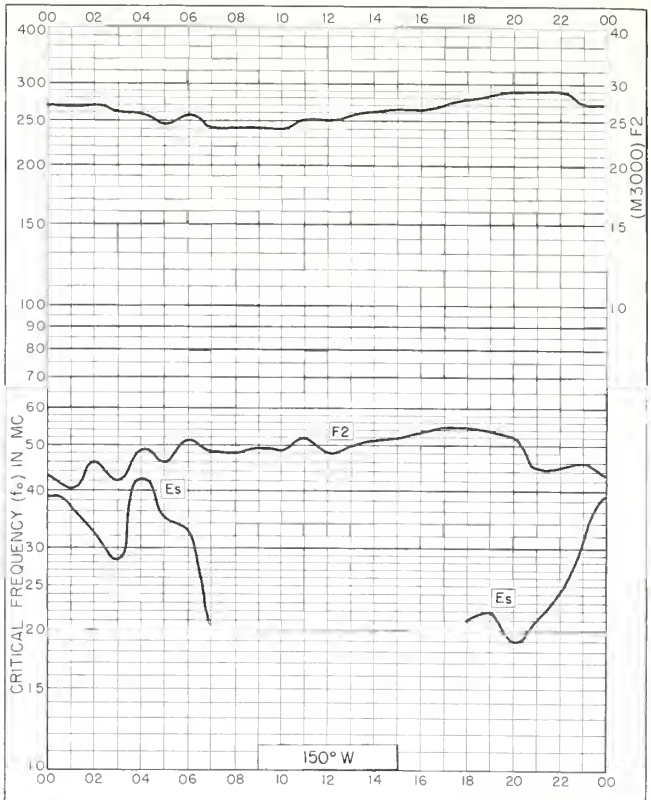


Fig. 10. FAIRBANKS, ALASKA
64.9°N, 147.8°W MAY 1960

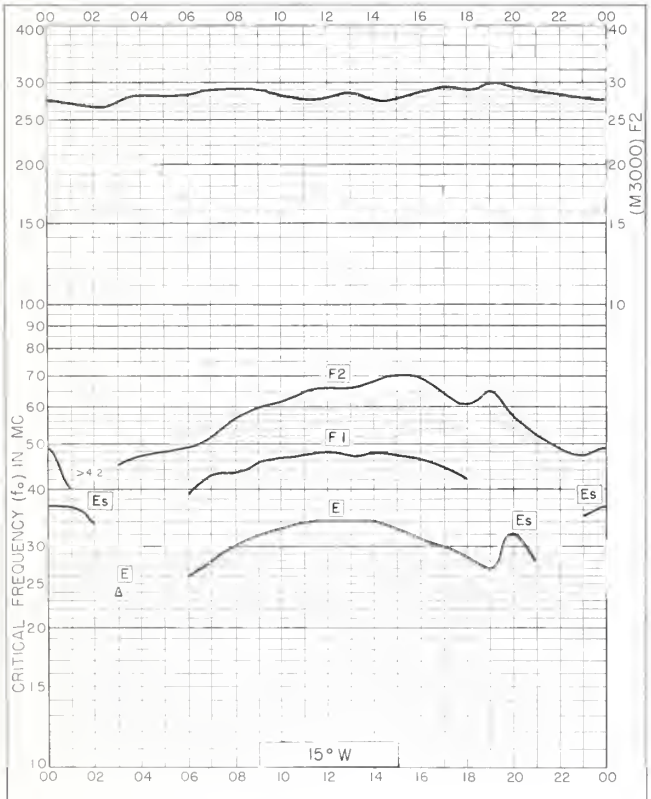


Fig. 11. REYKJAVIK, ICELAND
64.1°N, 21.8°W MAY 1960

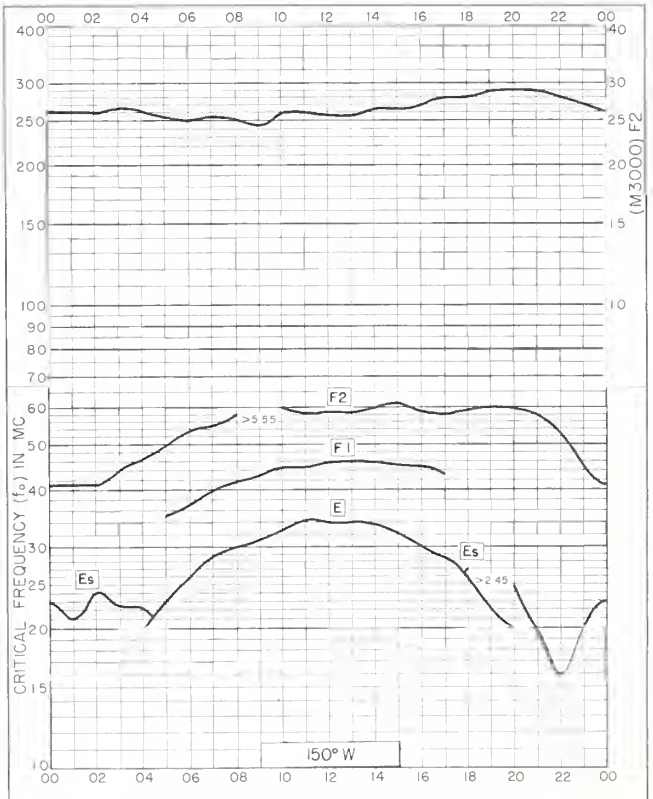


Fig. 12. ANCHORAGE, ALASKA
61.2°N, 149.9°W MAY 1960

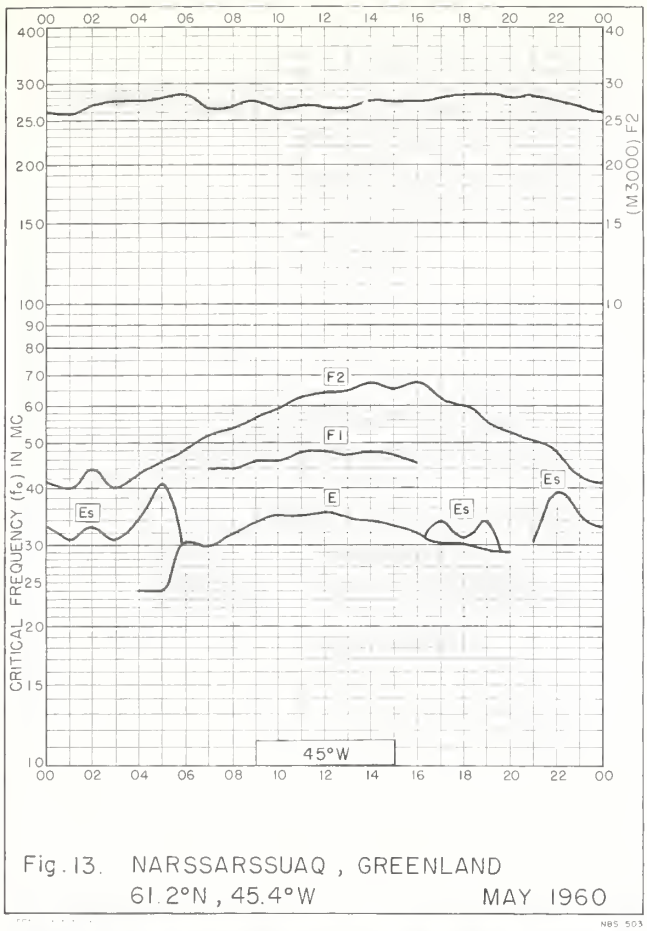


Fig. 13. NARSSARSSUAQ, GREENLAND
61.2°N, 45.4°W MAY 1960

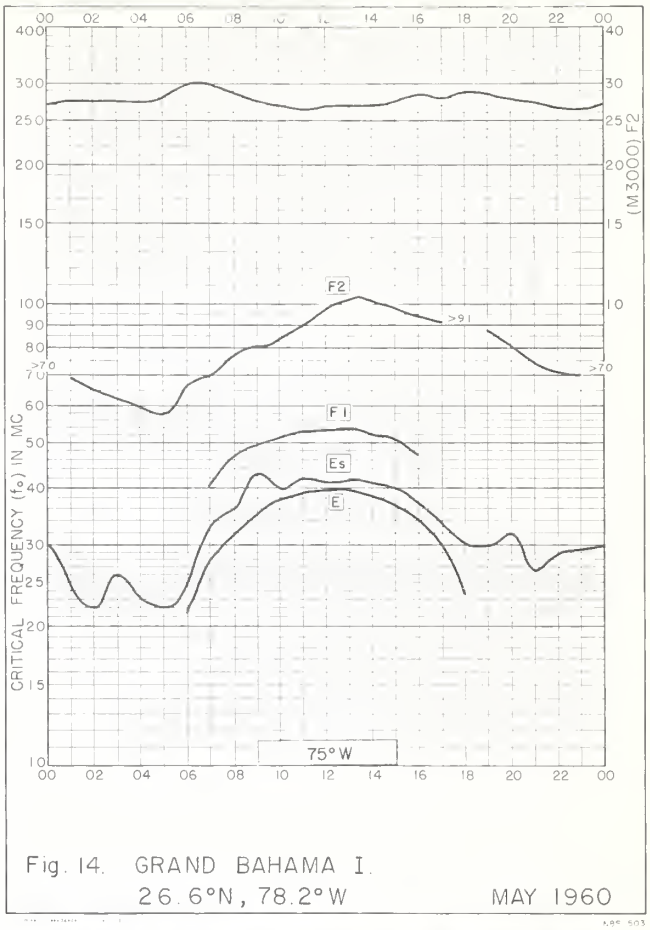


Fig. 14. GRAND BAHAMA I.
26.6°N, 78.2°W MAY 1960

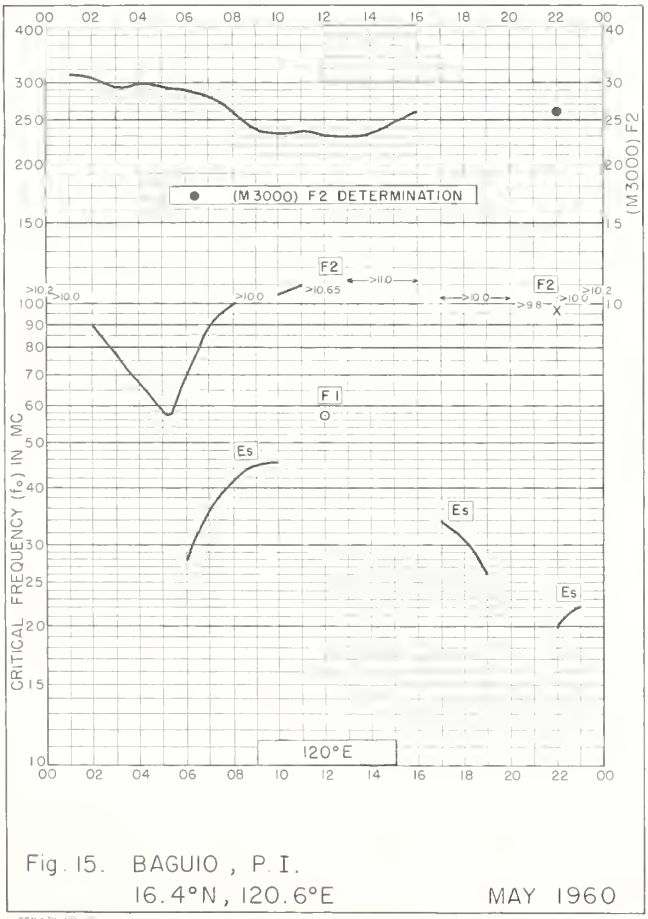


Fig. 15. BAGUIO, P.I.
16.4°N, 120.6°E MAY 1960

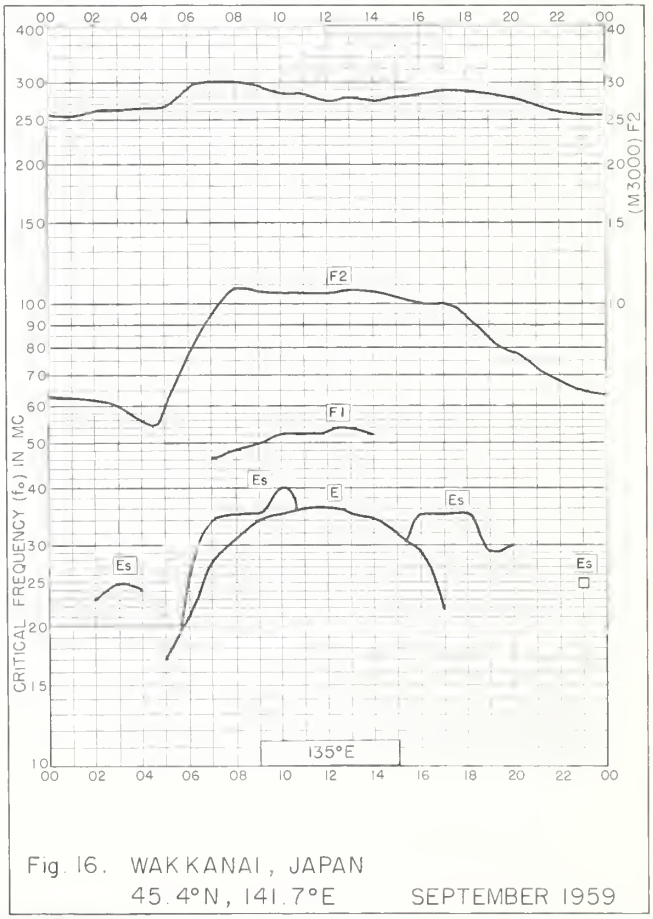


Fig. 16. WAKKANAI, JAPAN
45.4°N, 141.7°E SEPTEMBER 1959


Fig. 17. AKITA, JAPAN
39.7°N, 140.1°E SEPTEMBER 1959


Fig. 18. TOKYO, JAPAN
35.7°N, 139.5°E SEPTEMBER 1959


Fig. 19. YAMAGAWA, JAPAN
31.2°N, 130.6°E SEPTEMBER 1959

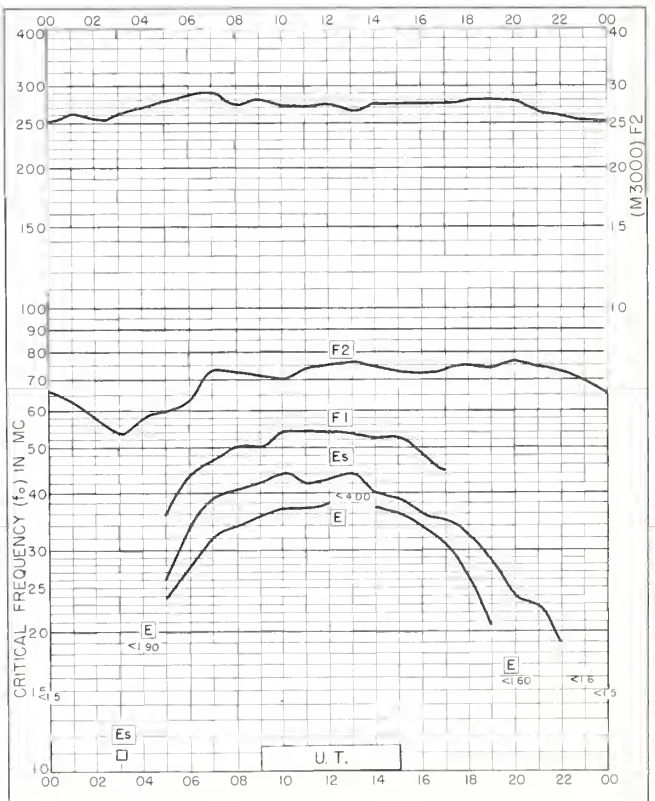


Fig. 20. DOURBES, BELGIUM
50.1°N, 4.6°E JULY 1959

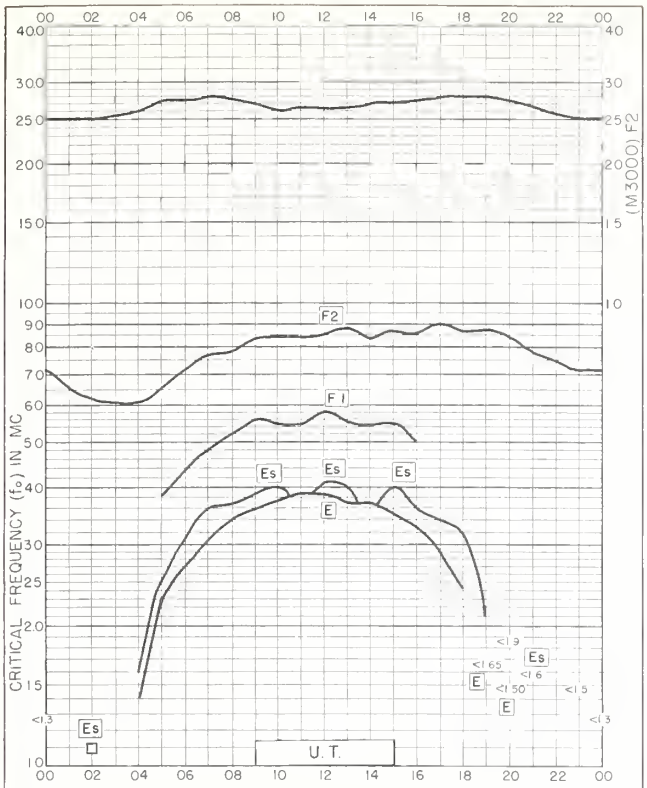


Fig. 21. DOURBES, BELGIUM
50.1°N, 4.6°E MAY 1959

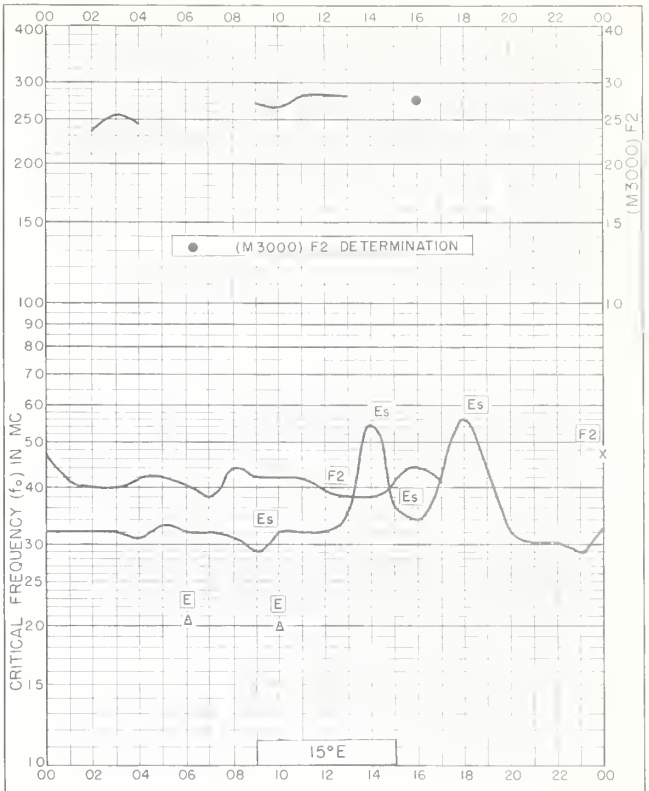


Fig. 22. SVALBARD, NORWAY
78.2°N, 15.7°E DECEMBER 1958

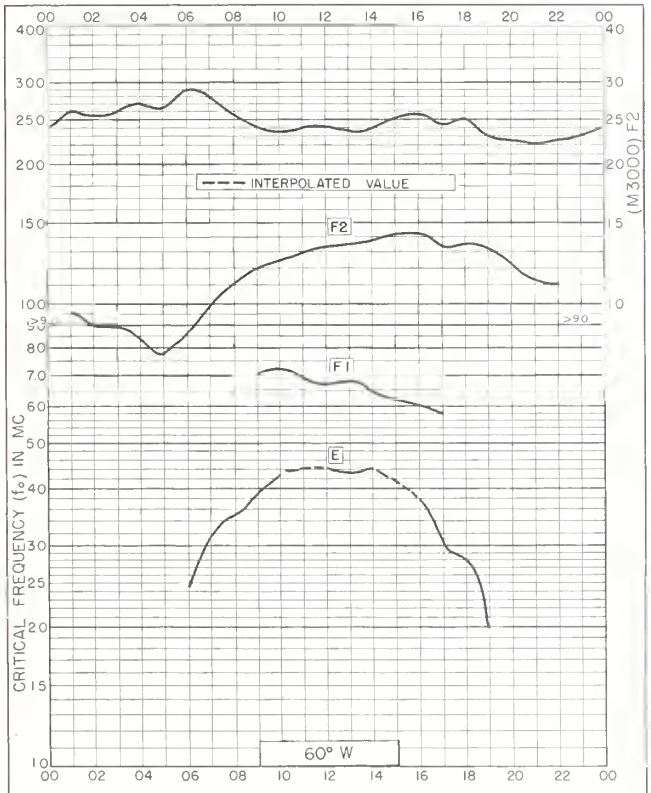


Fig. 23. TUCUMAN, ARGENTINA
26.9°S, 65.4°W DECEMBER 1958

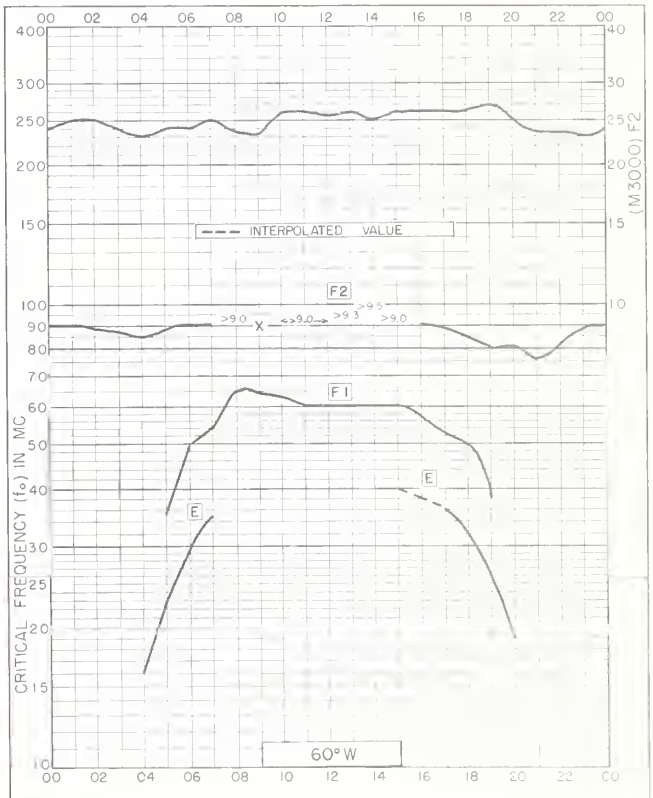


Fig. 24. TRELEW, ARGENTINA
43.2°S, 65.3°W DECEMBER 1958

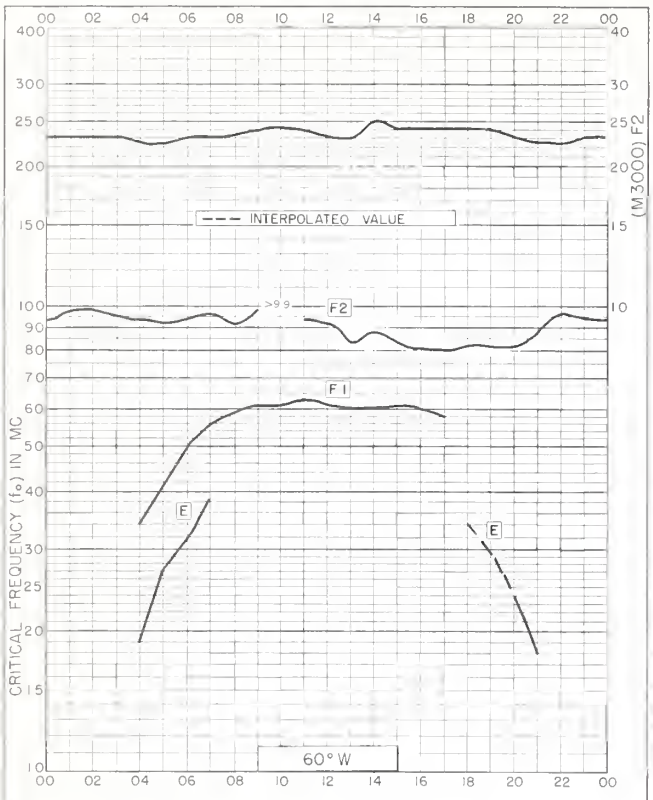


Fig. 25. USHUAIA, ARGENTINA
54.8°S, 68.3° W DECEMBER 1958


Fig 26. TUCUMAN, ARGENTINA
26.9°S, 65.4° W NOVEMBER 1958

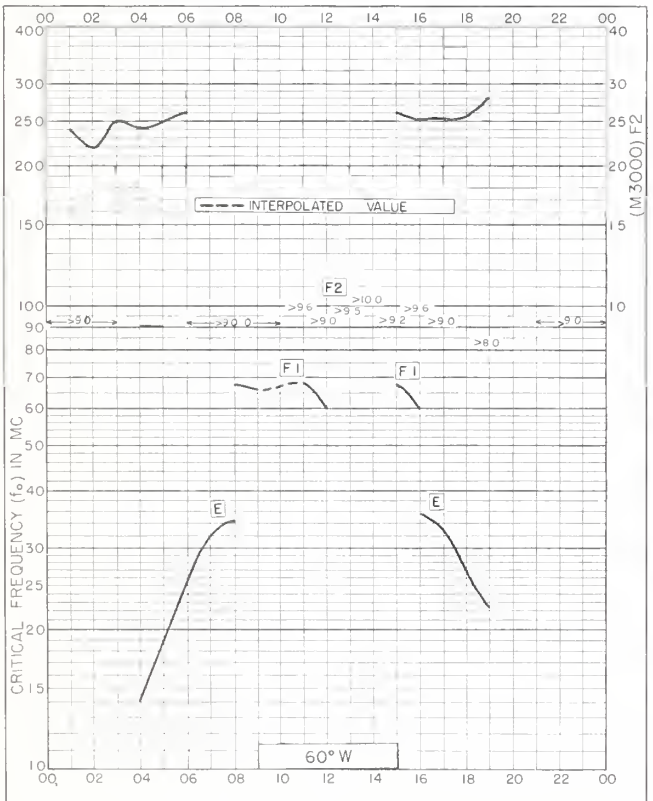


Fig. 27. TRELEW, ARGENTINA
43.2°S, 65.3° W NOVEMBER 1958

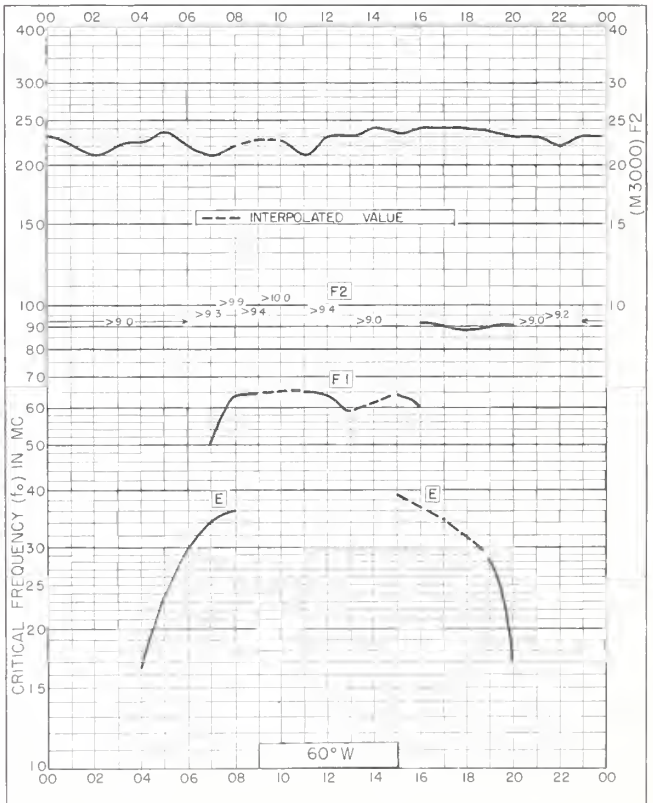


Fig. 28. USHUAIA, ARGENTINA
54.8°S, 68.3° W NOVEMBER 1958

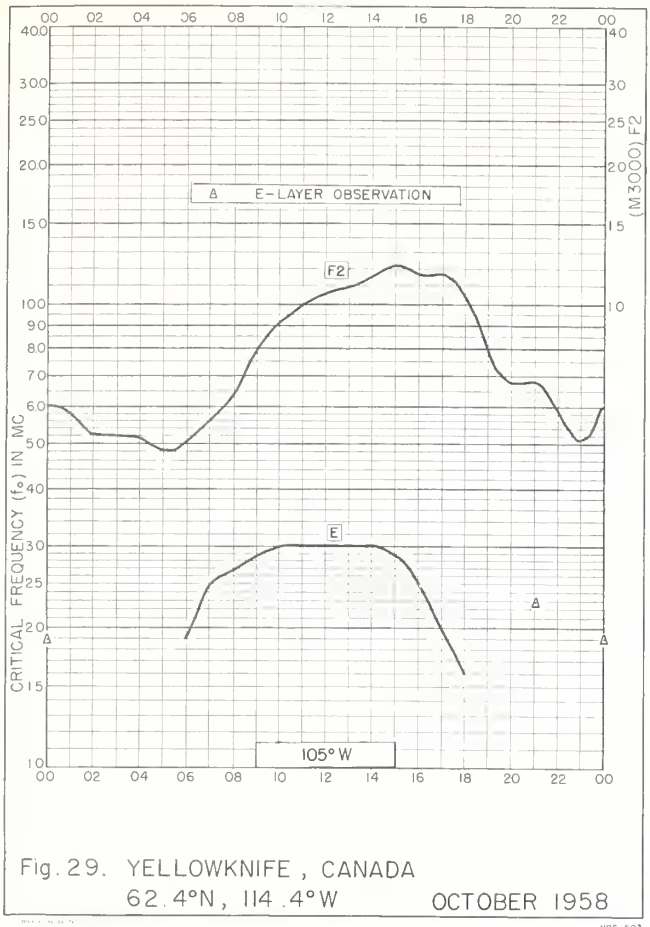


Fig. 29. YELLOWKNIFE, CANADA
62.4°N, 114.4°W OCTOBER 1958

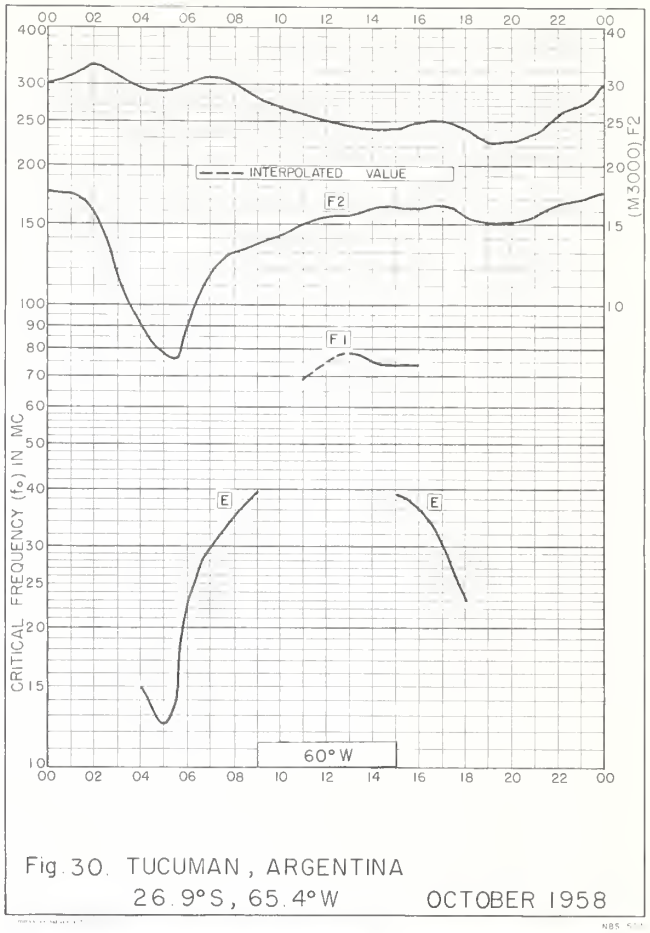


Fig. 30. TUCUMAN, ARGENTINA
26.9°S, 65.4°W OCTOBER 1958

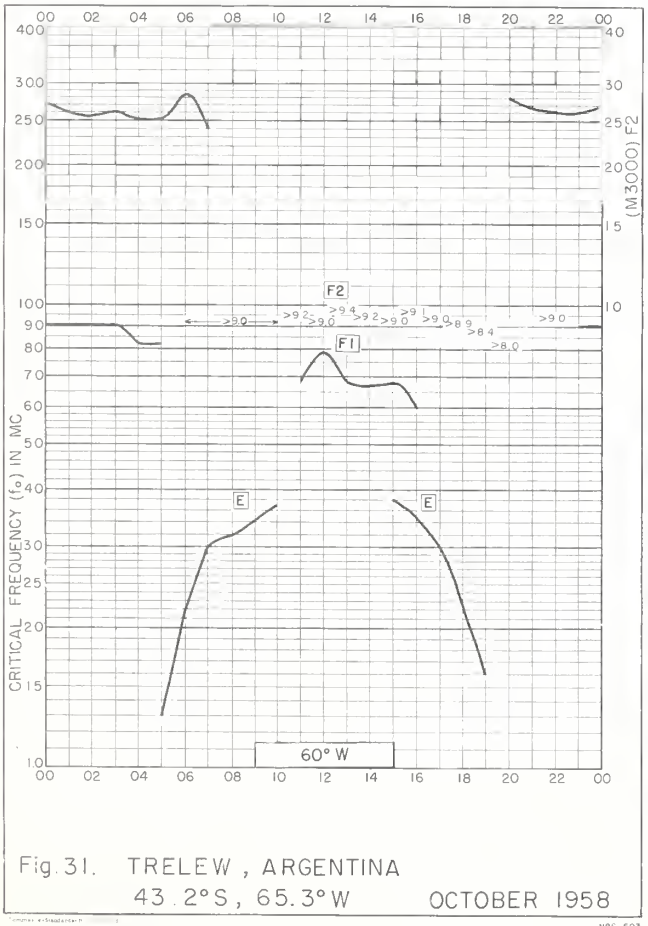


Fig. 31. TRELEW, ARGENTINA
43.2°S, 65.3°W OCTOBER 1958

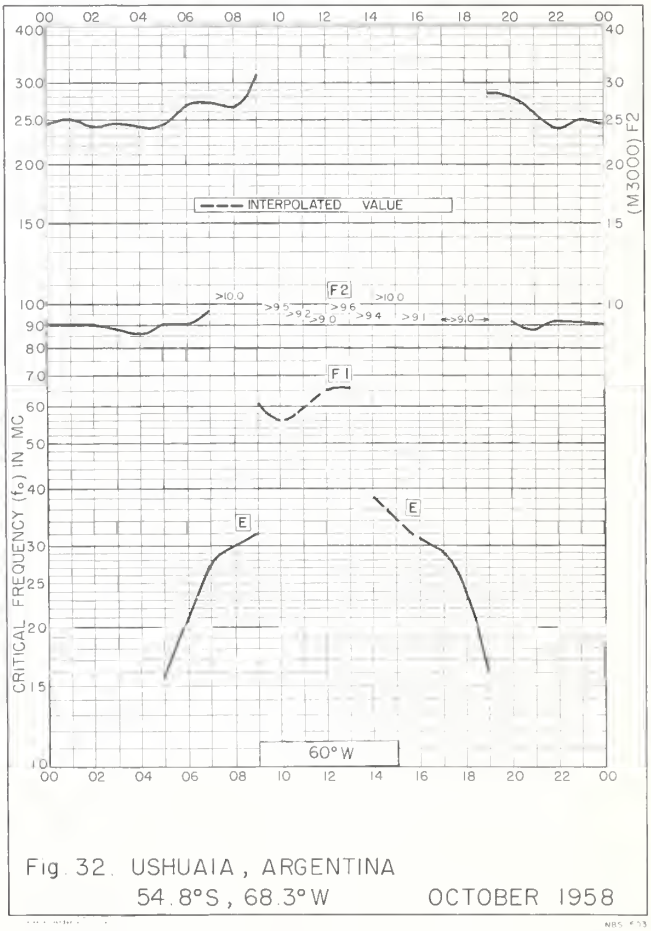


Fig. 32. USHUAIA, ARGENTINA
54.8°S, 68.3°W OCTOBER 1958

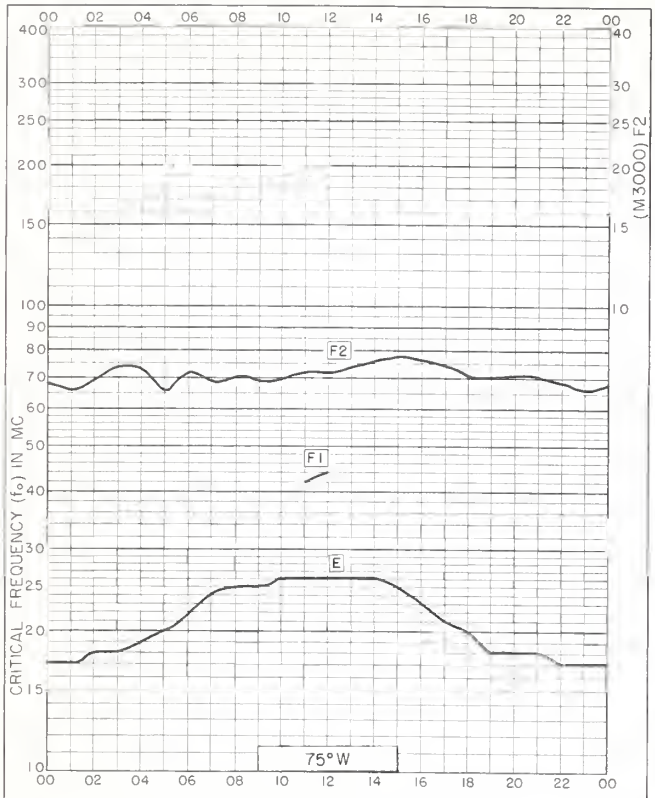


Fig. 33. ALERT, CANADA
82.6°N, 62.6°W SEPTEMBER 1958

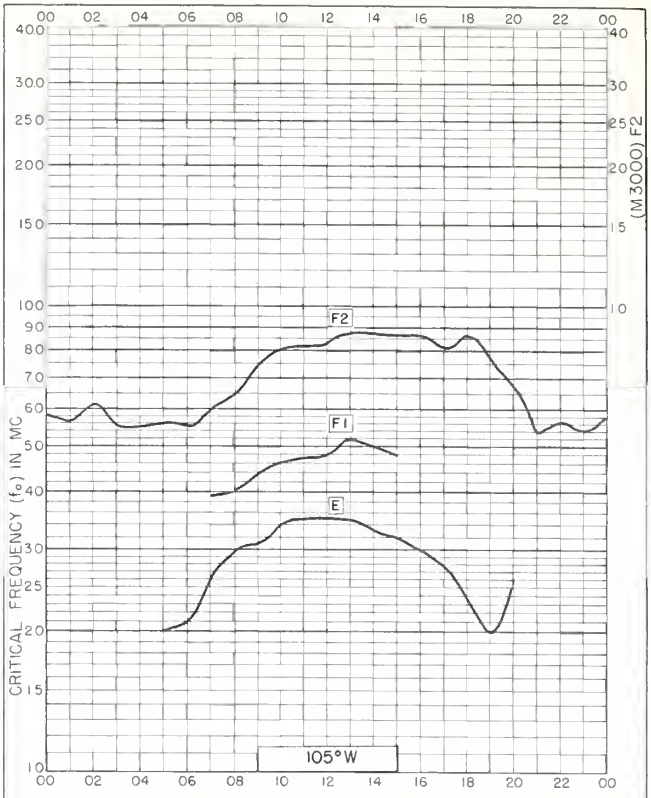


Fig. 34. YELLOWKNIFE, CANADA
62.4°N, 114.4°W SEPTEMBER 1958

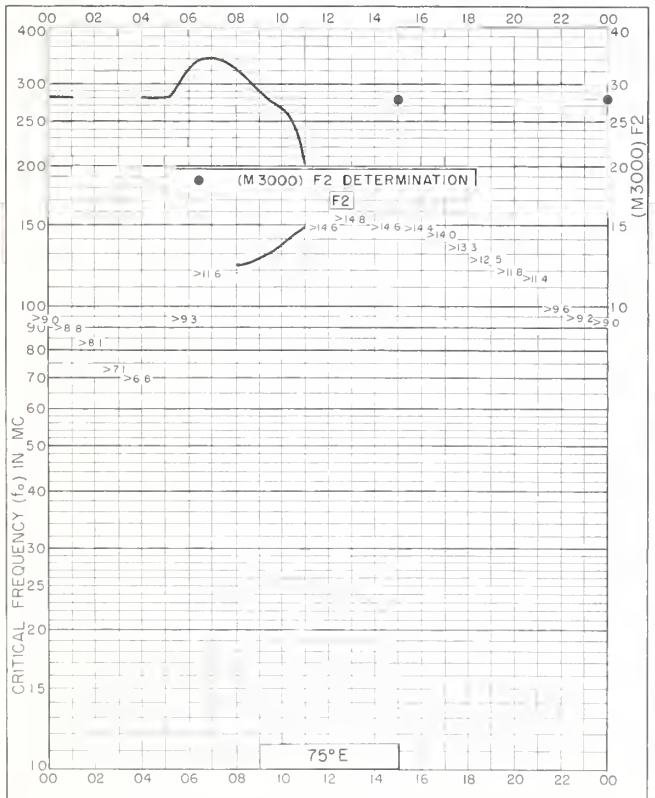


Fig. 35. DELHI, INDIA
28.6°N, 77.2°E SEPTEMBER 1958

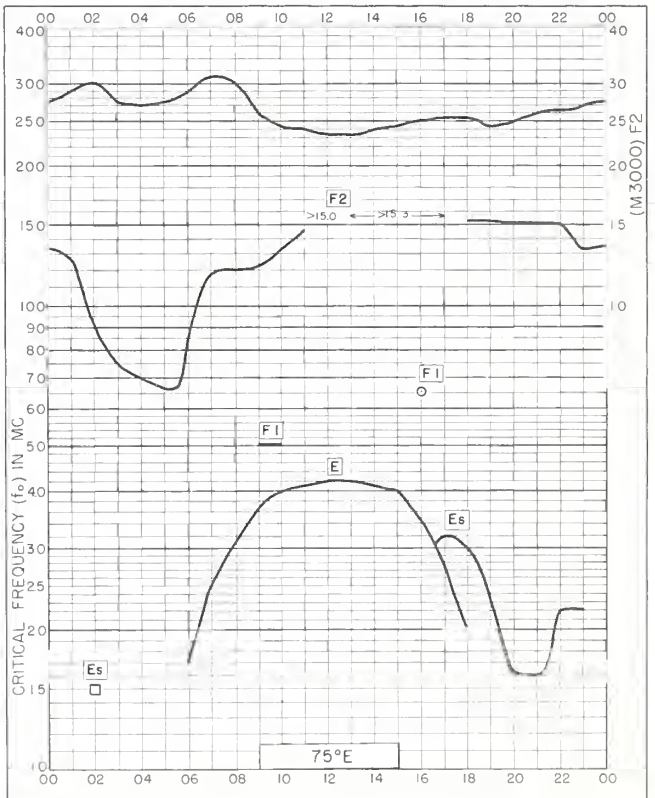


Fig. 36. AHMEDABAD, INDIA
23.0°N, 72.6°E SEPTEMBER 1958

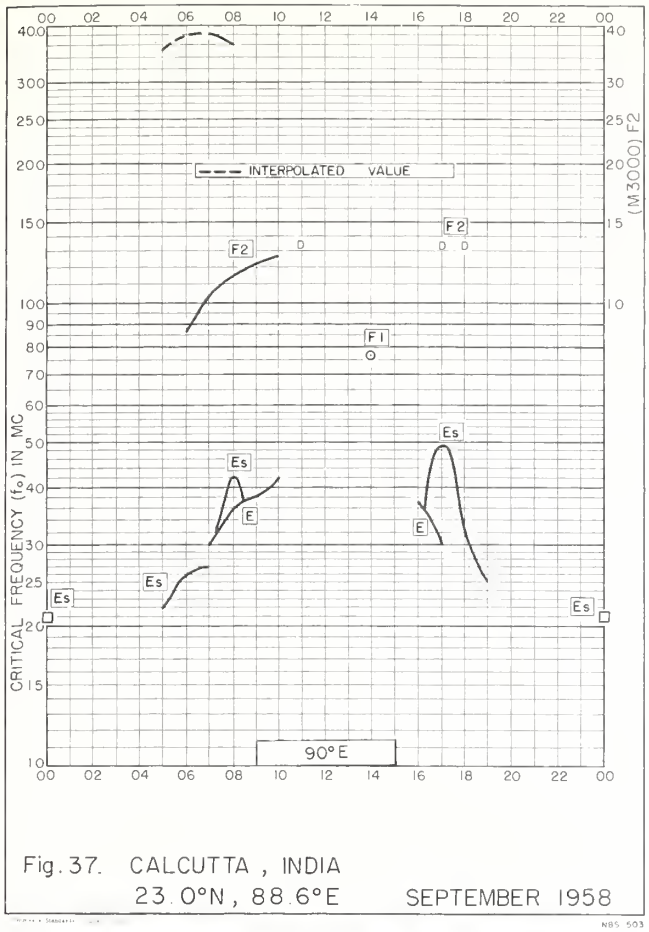


Fig. 37. CALCUTTA, INDIA
23.0°N, 88.6°E SEPTEMBER 1958

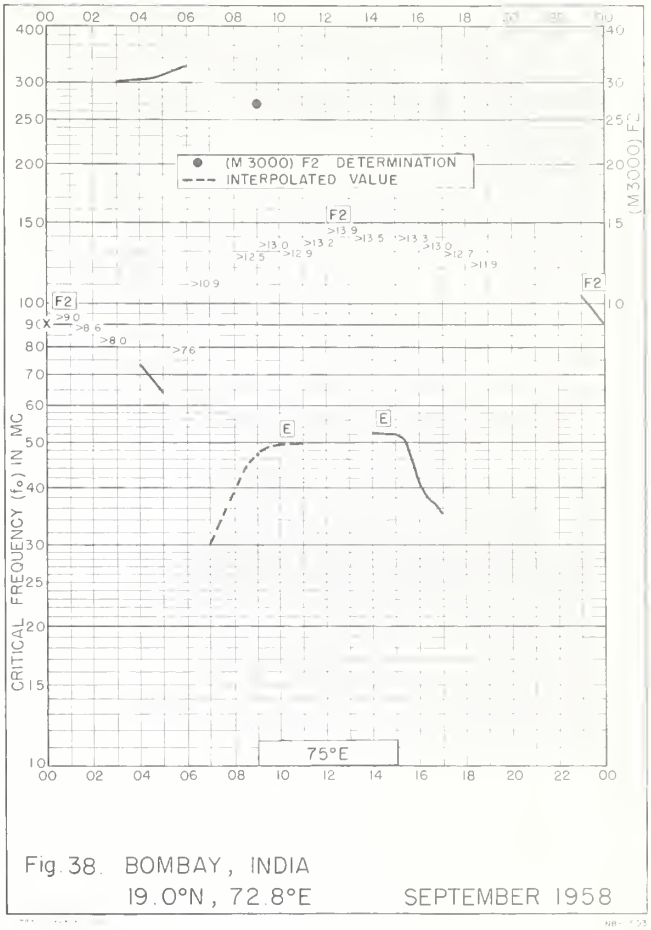


Fig. 38. BOMBAY, INDIA
19.0°N, 72.8°E SEPTEMBER 1958

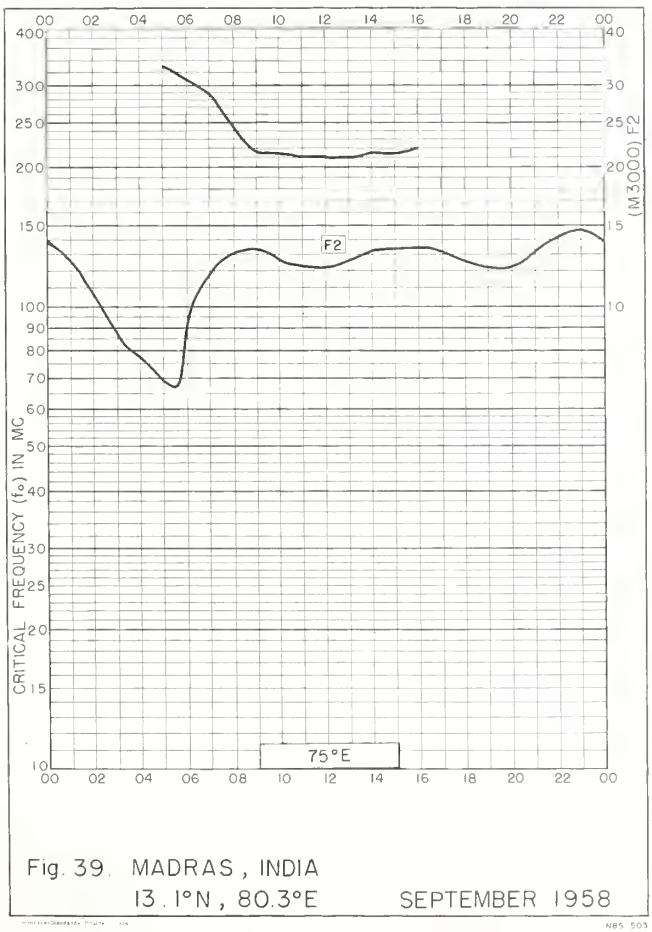


Fig. 39. MADRAS, INDIA
13.1°N, 80.3°E SEPTEMBER 1958

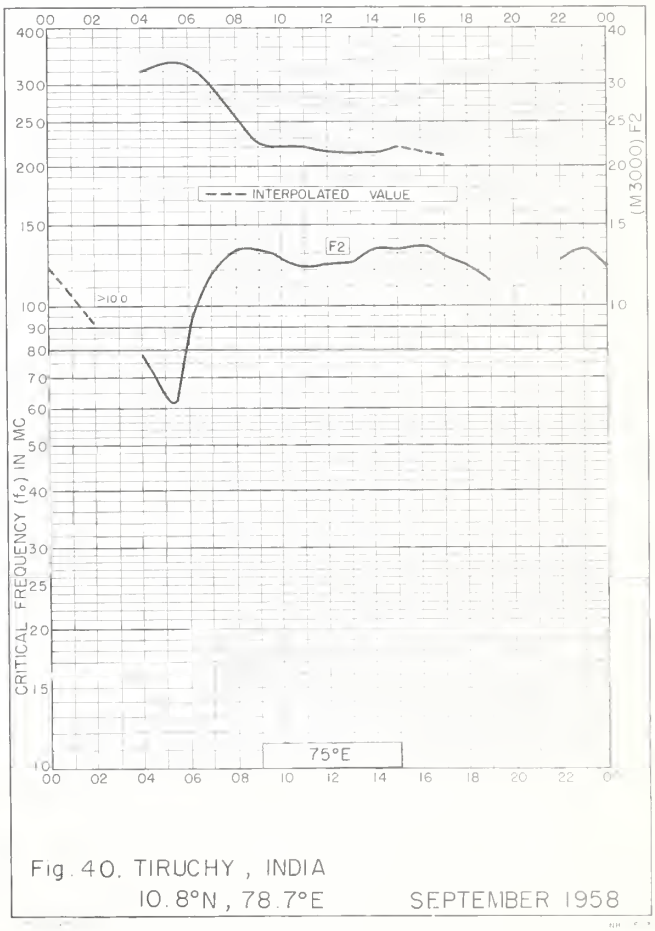


Fig. 40. TIRUCHY, INDIA
10.8°N, 78.7°E SEPTEMBER 1958

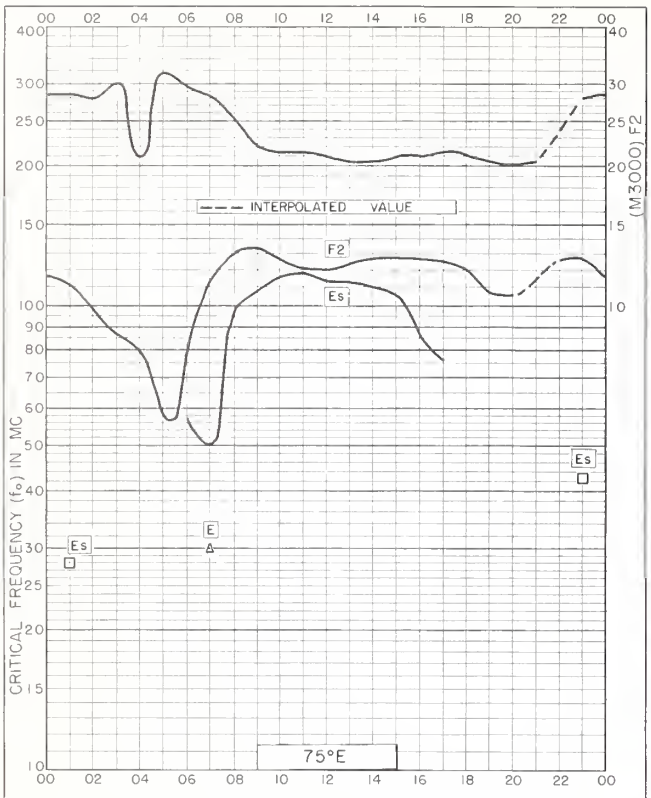


Fig. 41. KODAIKANAL, INDIA
10.2°N, 77.5°E SEPTEMBER 1958

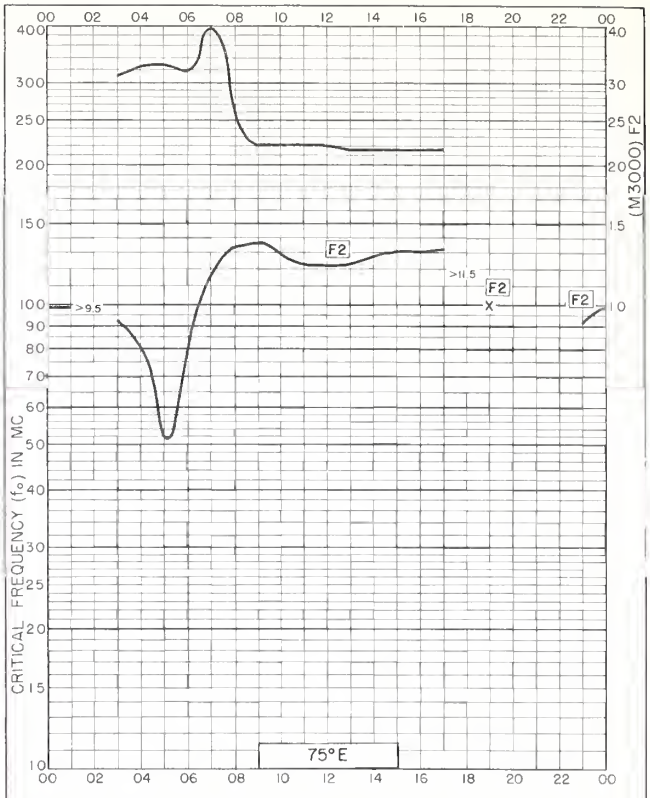


Fig. 42. TRIVANDRUM, INDIA
8.5°N, 77.0°E SEPTEMBER 1958

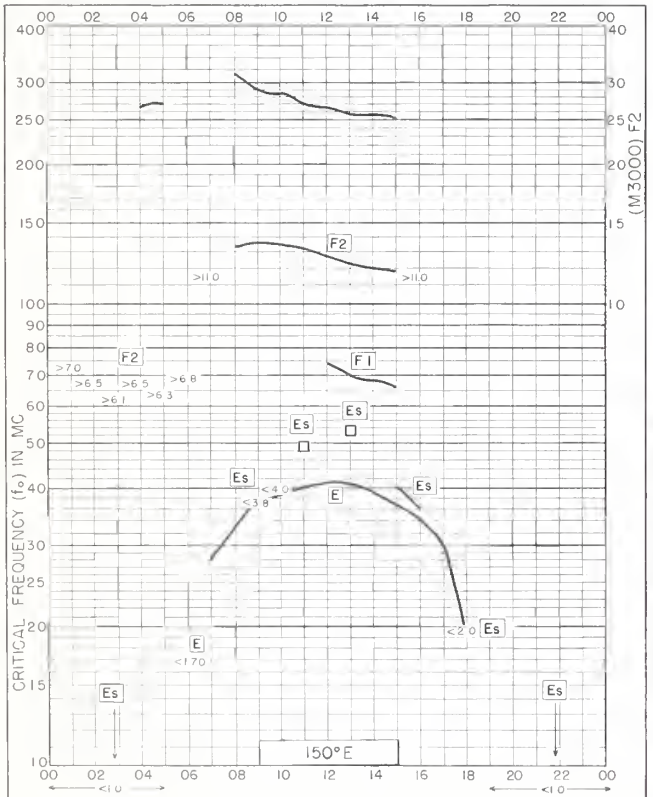


Fig. 43. TOWNSVILLE, AUSTRALIA
19.3°S, 146.7°E SEPTEMBER 1958


Fig. 44. YELLOWKNIFE, CANADA
62.4°N, 114.4°W AUGUST 1958

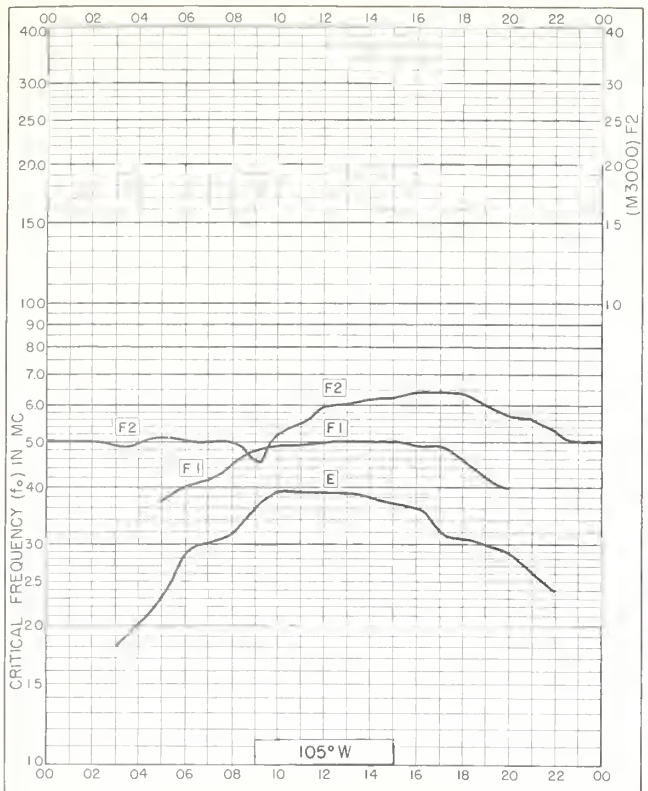


Fig. 45. YELLOWKNIFE, CANADA
62.4°N, 114.4°W JULY 1958

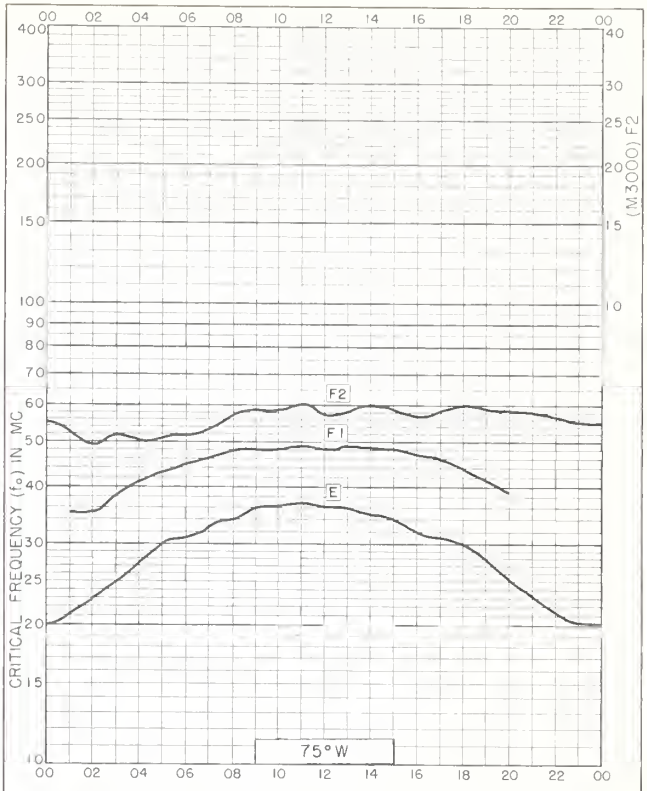


Fig. 46. CLYDE, BAFFIN I.
70.5°N, 68.6°W JUNE 1958

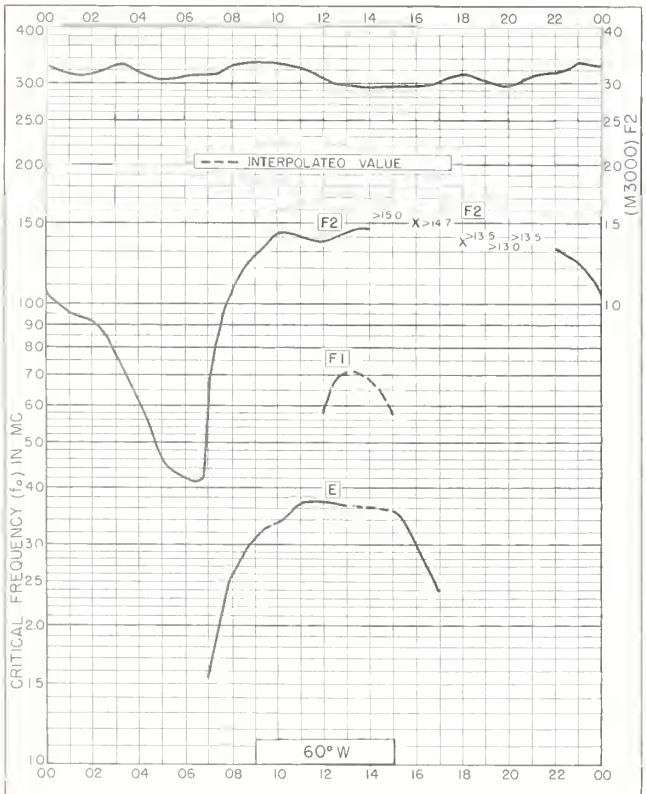


Fig. 47. TUCUMAN, ARGENTINA
26.9°S, 65.4°W JUNE 1958

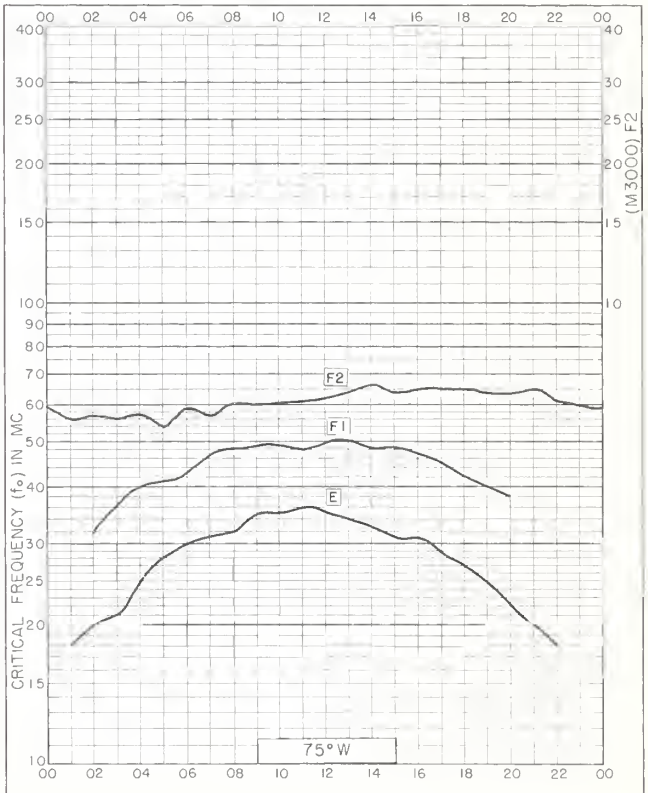


Fig. 48. CLYDE, BAFFIN I.
70.5°N, 68.6°W MAY 1958

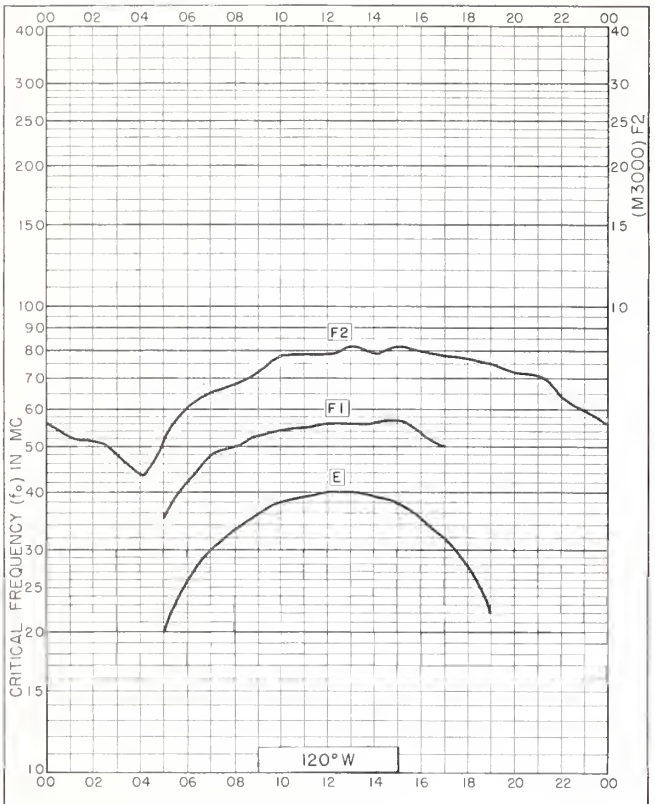


Fig. 49. VICTORIA, CANADA
48.4°N, 123.4°W MAY 1958

NBS 503

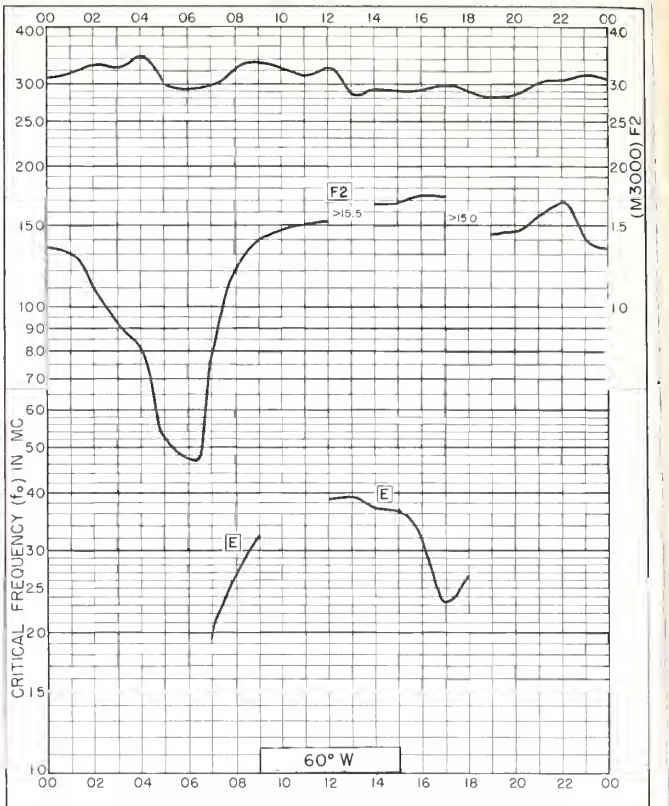


Fig. 50. TUCUMAN, ARGENTINA
26.9°S, 65.4°W MAY 1958

NBS 503

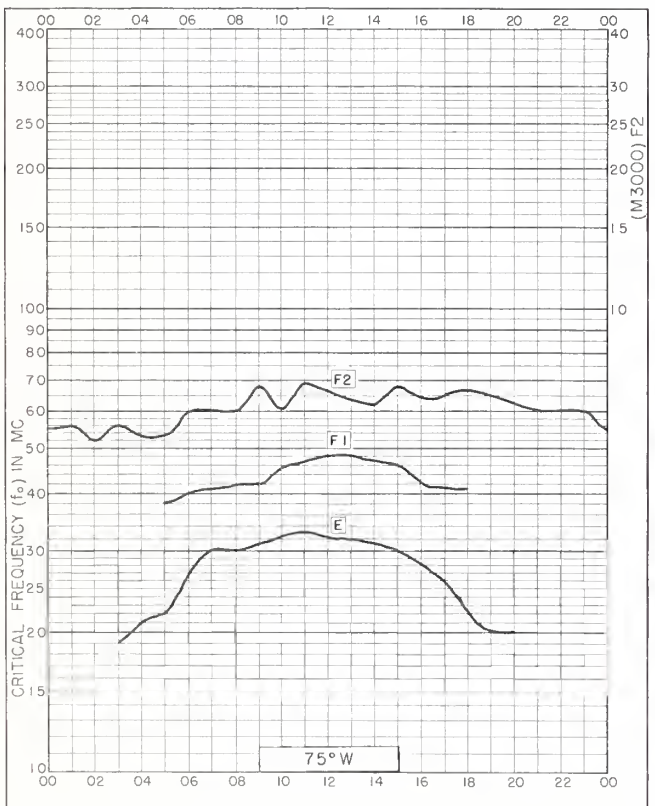


Fig. 51. CLYDE, BAFFIN I.
70.5°N, 68.6°W APRIL 1958

NBS 503

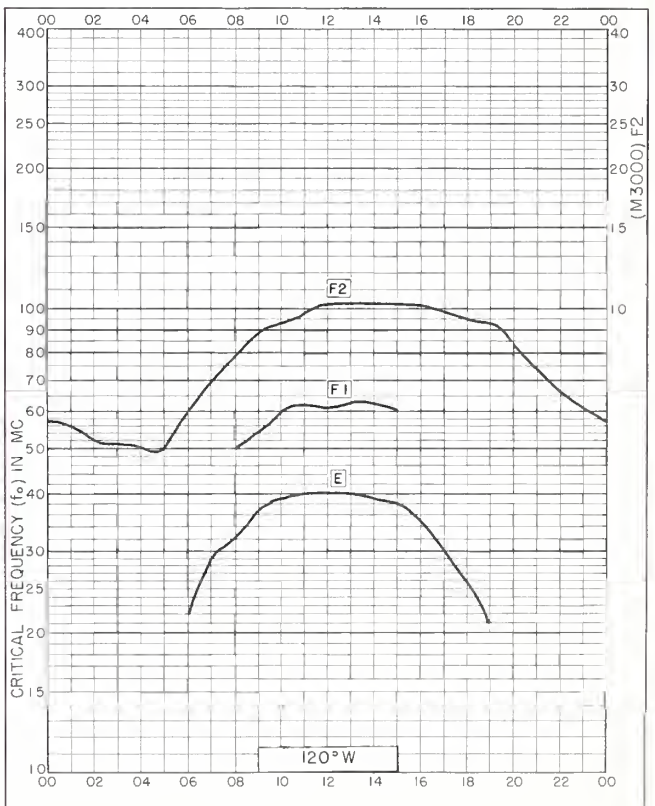


Fig. 52. VICTORIA, CANADA
48.4°N, 123.4°W APRIL 1958

NBS 503

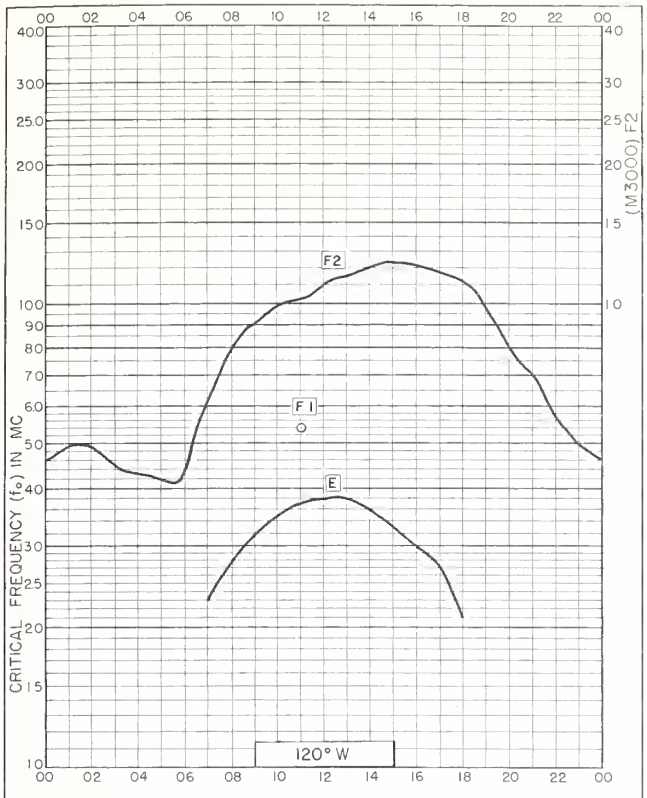


Fig. 53. VICTORIA, CANADA
48.4°N, 123.4°W MARCH 1958

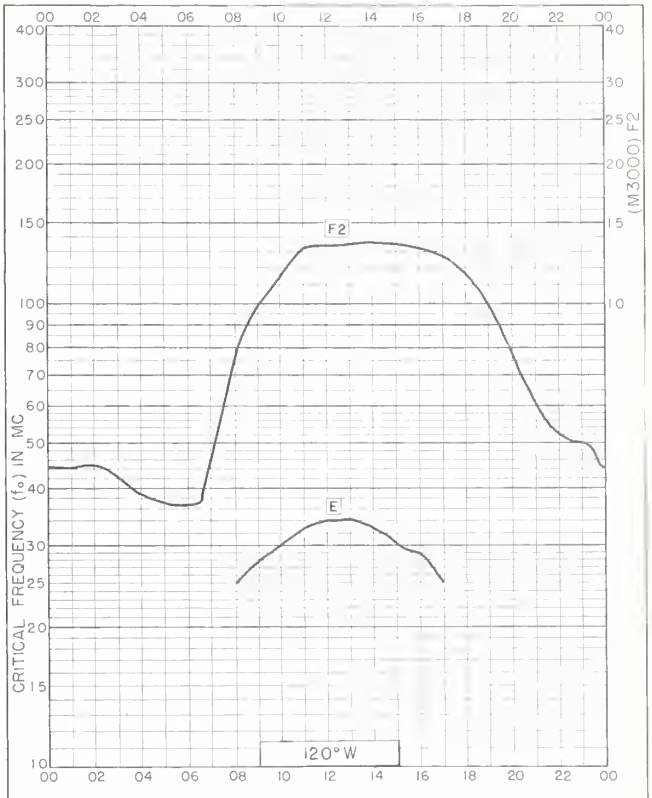


Fig. 54. VICTORIA, CANADA
48.4°N, 123.4°W FEBRUARY 1958

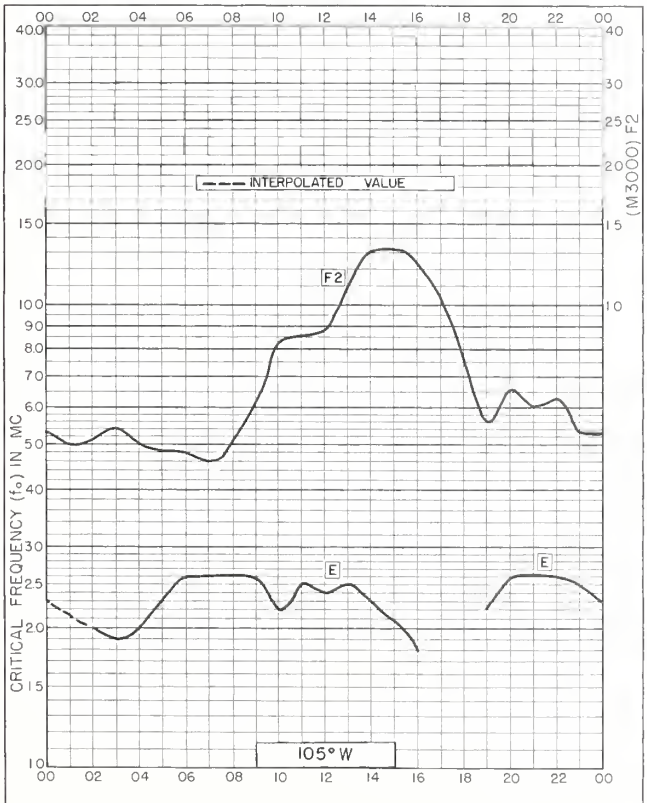


Fig. 55. YELLOWKNIFE, CANADA
62.4°N, 114.4°W DECEMBER 1957

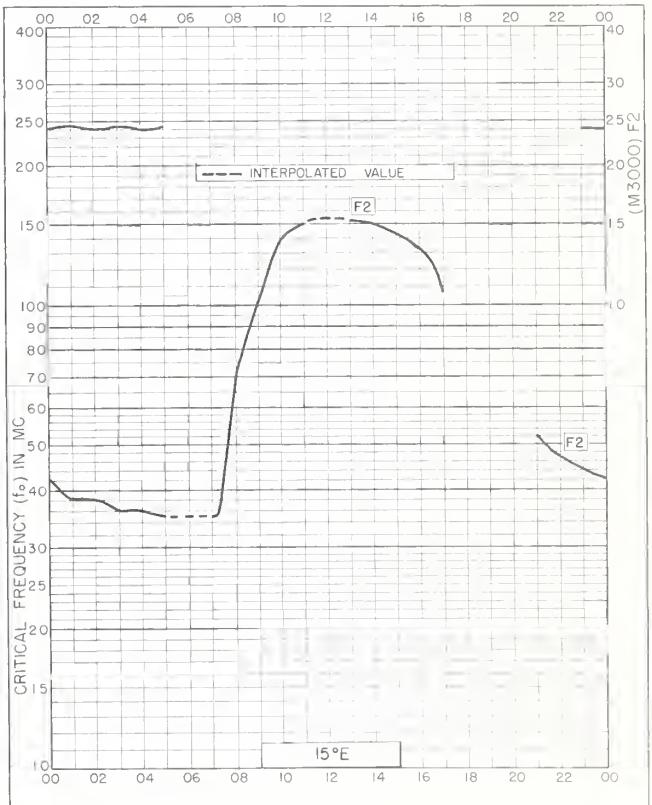


Fig. 56. JULIUSRUH/RÜGEN, GERMANY
54.6°N, 13.4°E DECEMBER 1957


Fig. 57. HOLLANDIA, NETHERLANDS NEW GUINEA
2.5°S, 140.8°E DECEMBER 1957

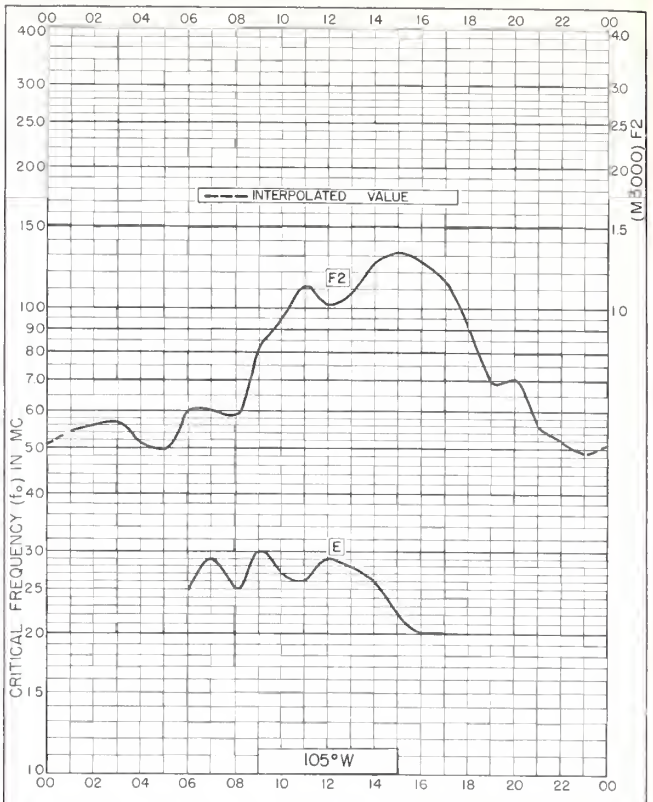


Fig 58 YELLOWKNIFE, CANADA
62.4°N, 114.4°W NOVEMBER 1957

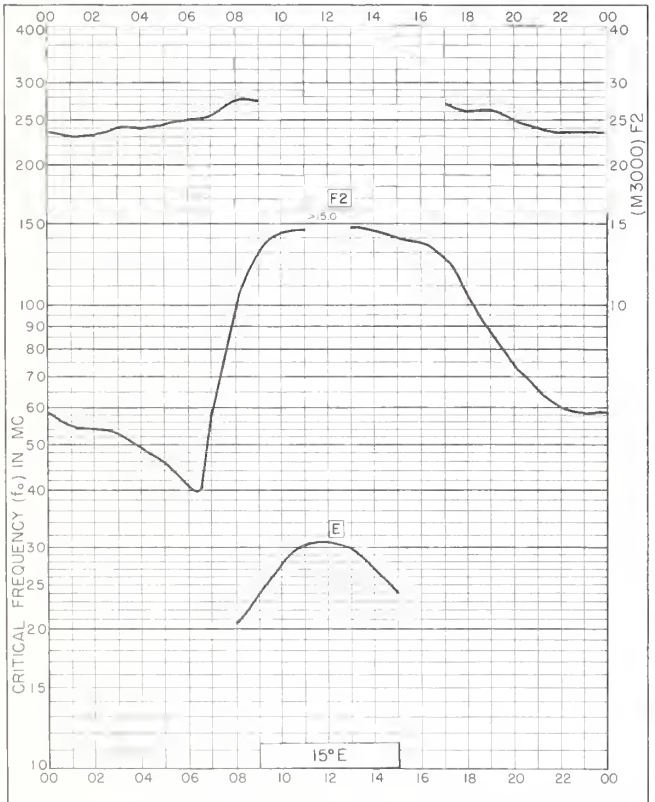


Fig. 59. JULIUSRUH/RÜGEN, GERMANY
54.6°N, 13.4°E NOVEMBER 1957

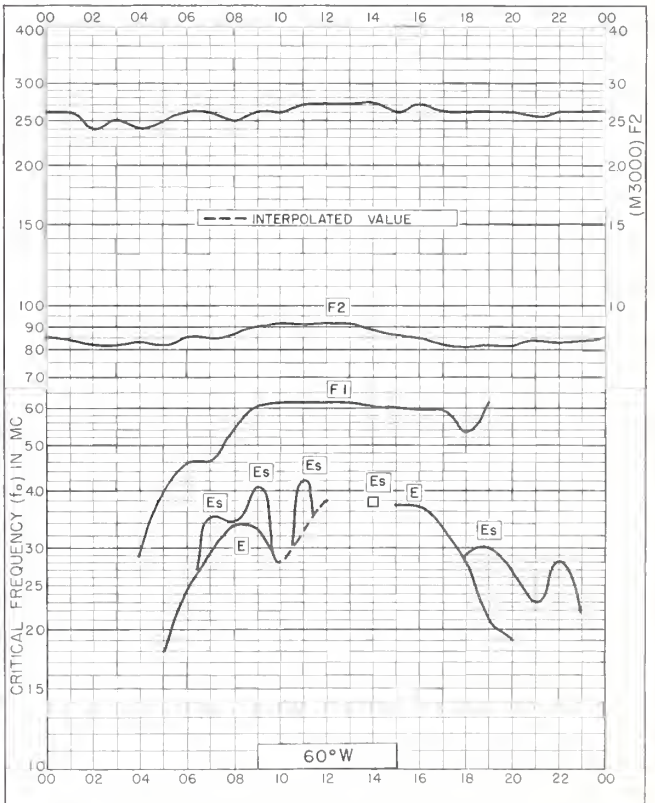


Fig. 60. USHUAIA, ARGENTINA
54.8°S, 68.3°W NOVEMBER 1957

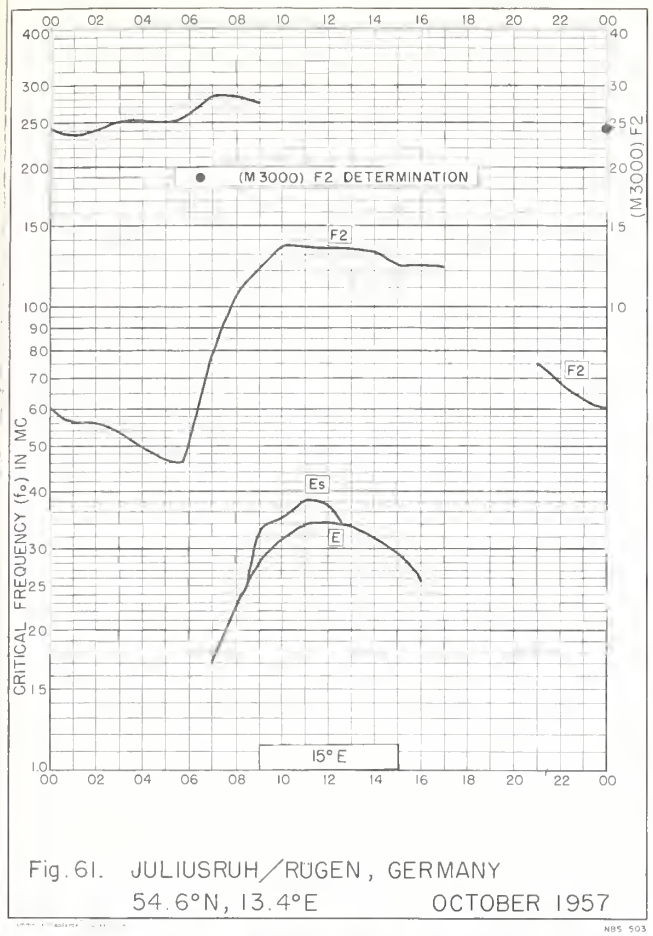


Fig. 61. JULIUSRUH/RUGEN, GERMANY
54.6°N, 13.4°E OCTOBER 1957

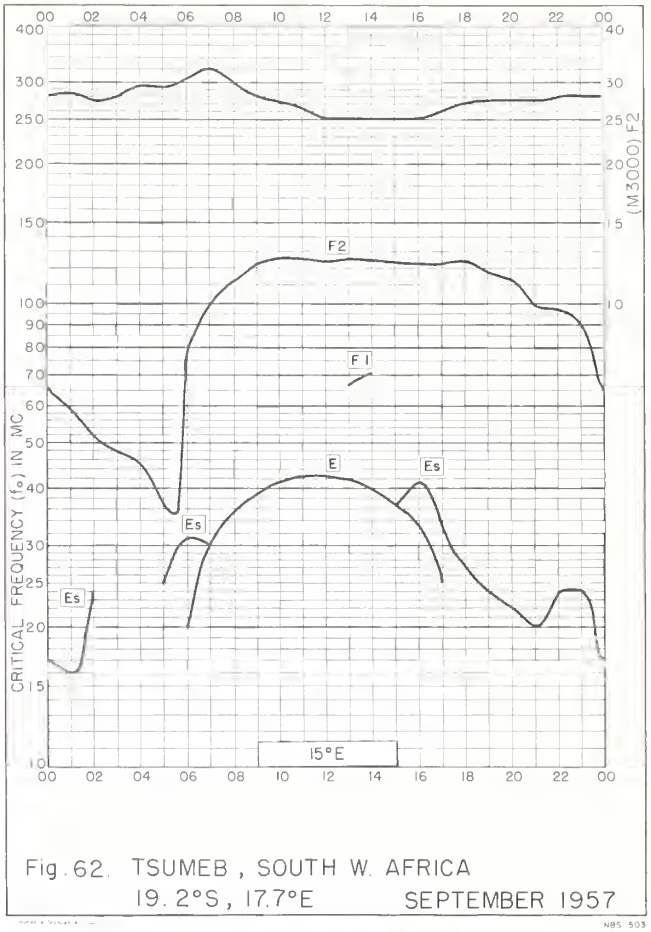


Fig. 62. TSUMEB, SOUTH W. AFRICA
19.2°S, 17.7°E SEPTEMBER 1957

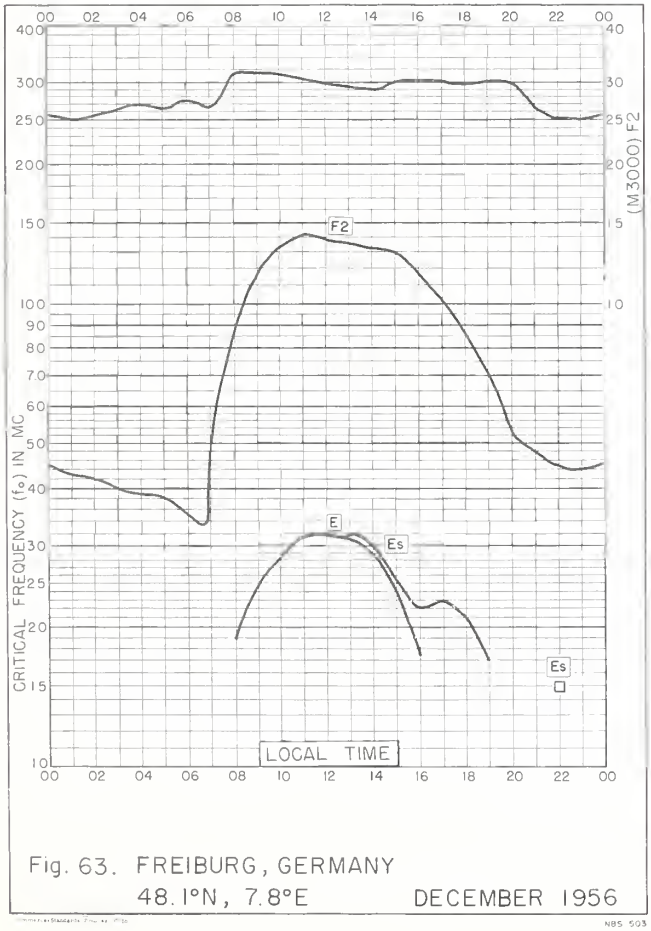


Fig. 63. FREIBURG, GERMANY
48.1°N, 7.8°E DECEMBER 1956

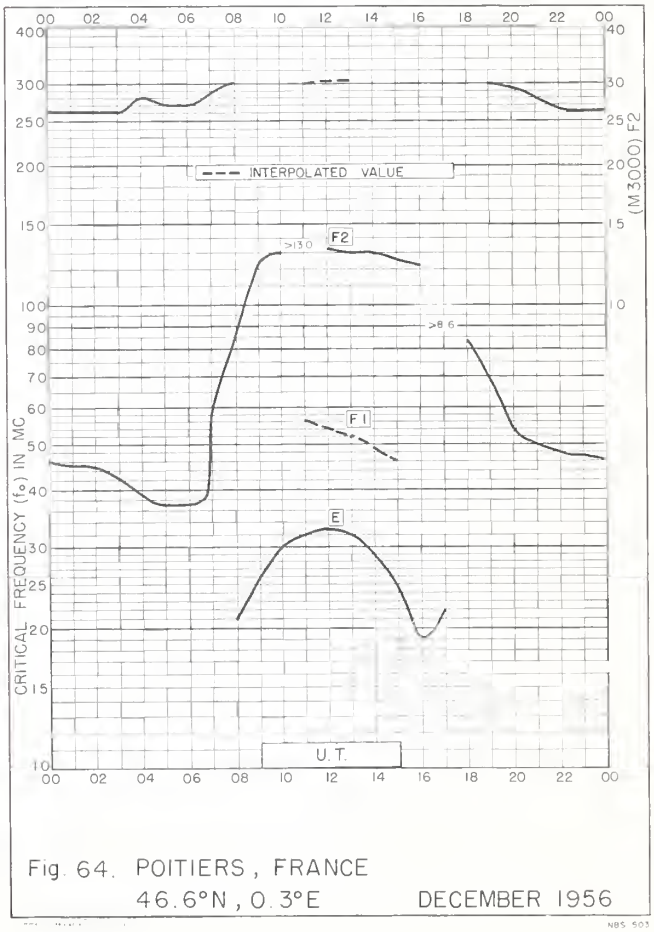


Fig. 64. POITIERS, FRANCE
46.6°N, 0.3°E DECEMBER 1956

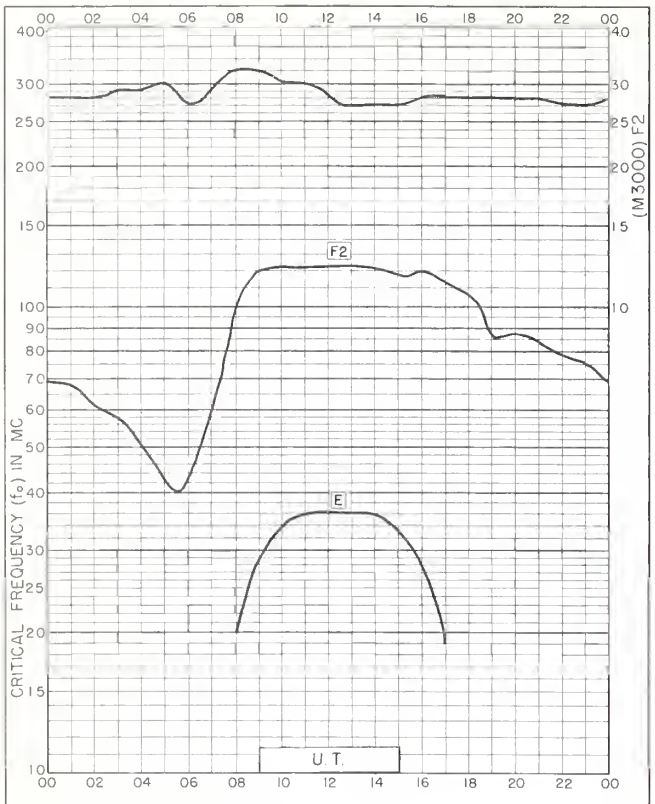


Fig. 65. CASABLANCA, MOROCCO
33.6°N, 7.6°W DECEMBER 1956

NBS 503

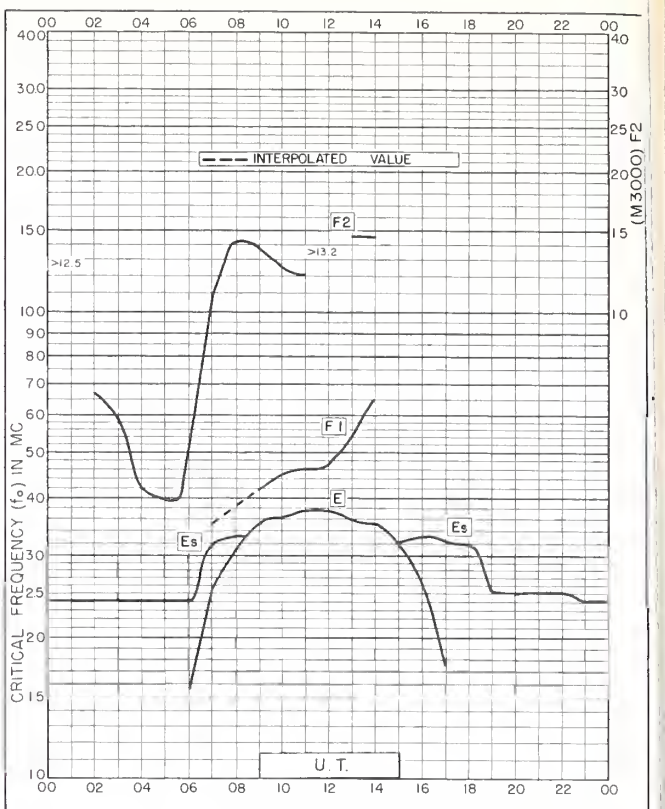


Fig. 66. TAMANRASSET, FRENCH W. AFRICA
22.8°N, 5.5°E DECEMBER 1956

NBS 503

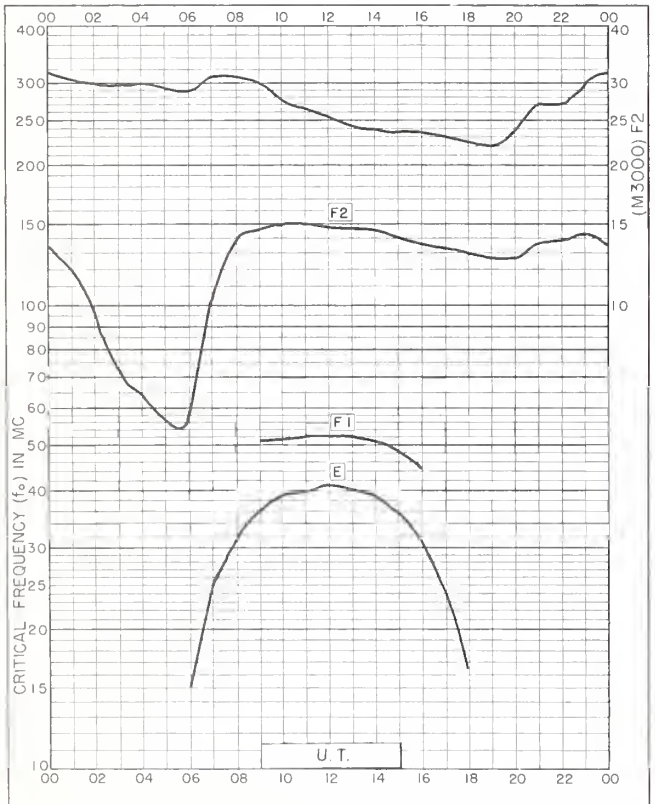


Fig. 67. DAKAR, FRENCH W. AFRICA
14.8°N, 17.4°W DECEMBER 1956

NBS 503

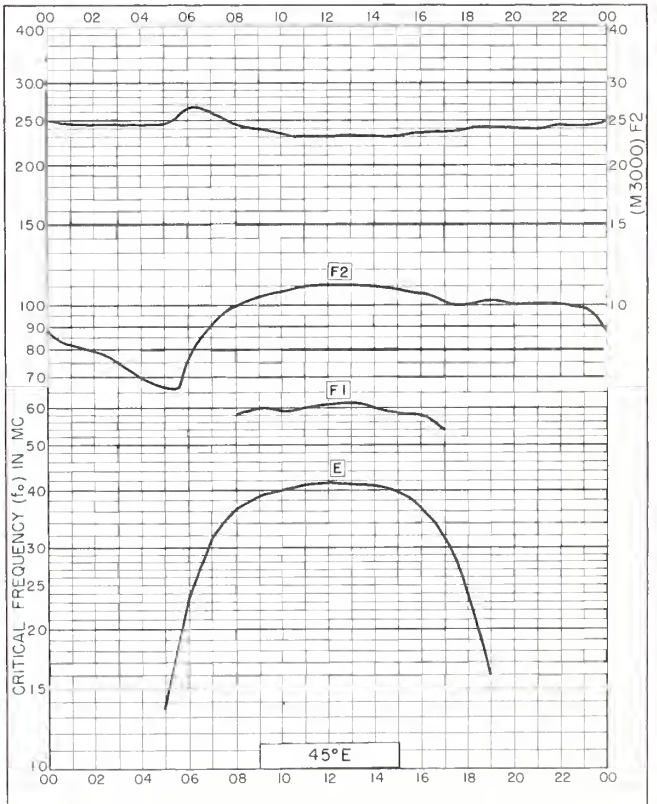


Fig. 68. TANANARIVE, MADAGASCAR
18.8°S, 47.5°E DECEMBER 1956

NBS 503

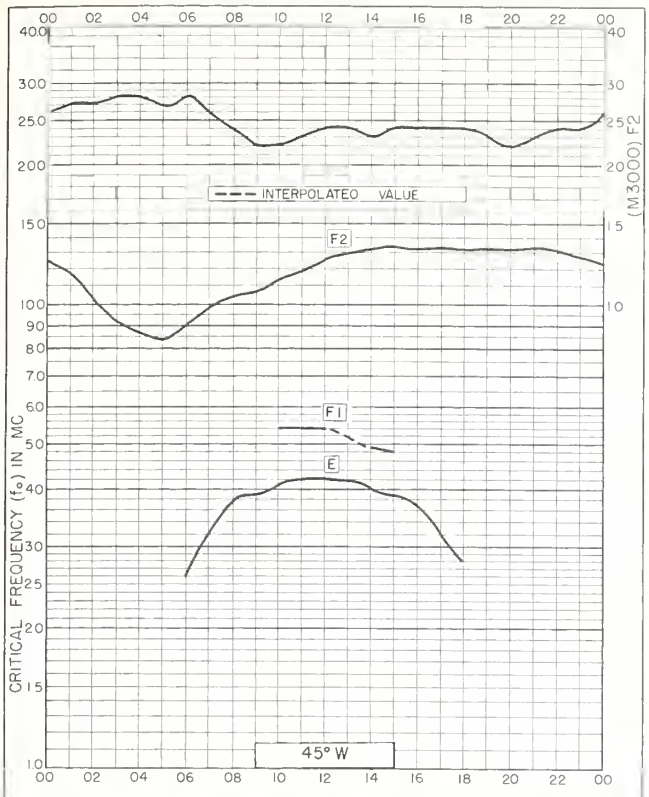


Fig. 69. SÃO PAULO, BRAZIL
23.5°S, 46.5°W DECEMBER 1956

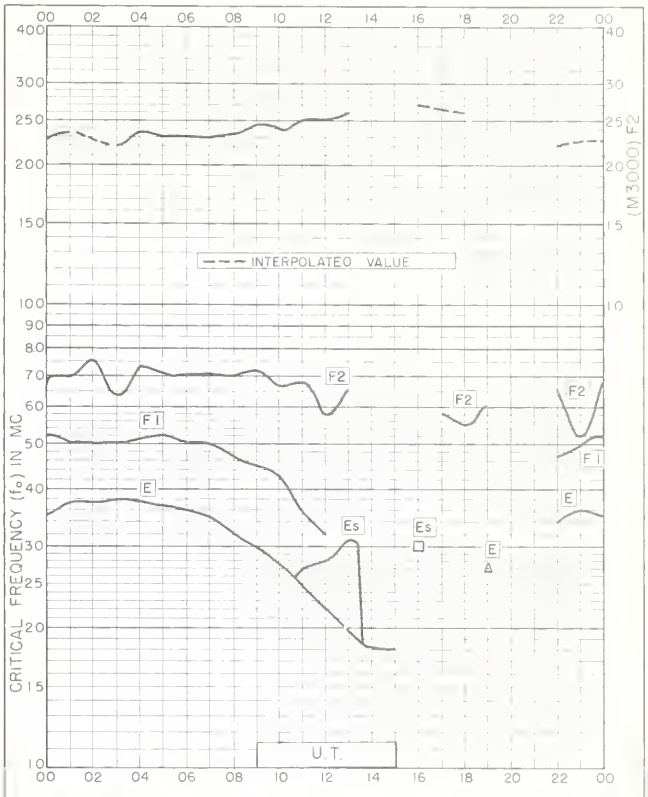


Fig. 70. TERRE ADELIE
66.7°S, 140.0°E DECEMBER 1956

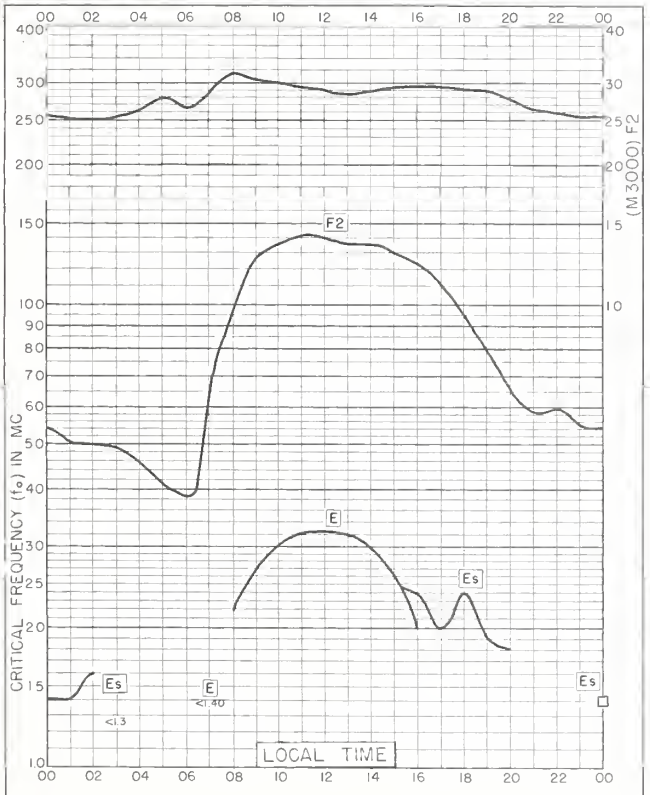


Fig. 71. FREIBURG, GERMANY
48.1°N, 7.8°E NOVEMBER 1956


Fig. 72. POITIERS, FRANCE
46.6°N, 0.3°E NOVEMBER 1956

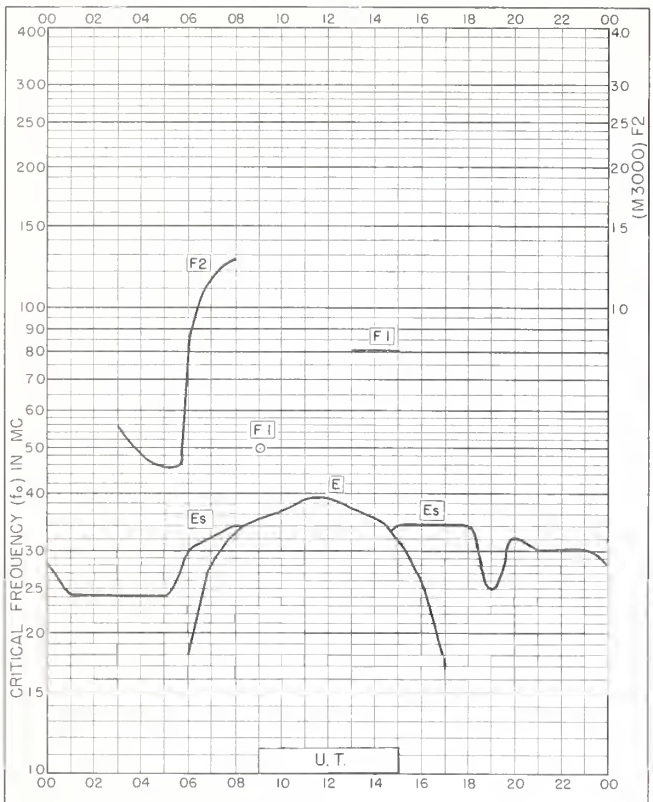


Fig. 73. TAMANRASSET, FRENCH W. AFRICA
22.8°N, 5.5°E NOVEMBER 1956

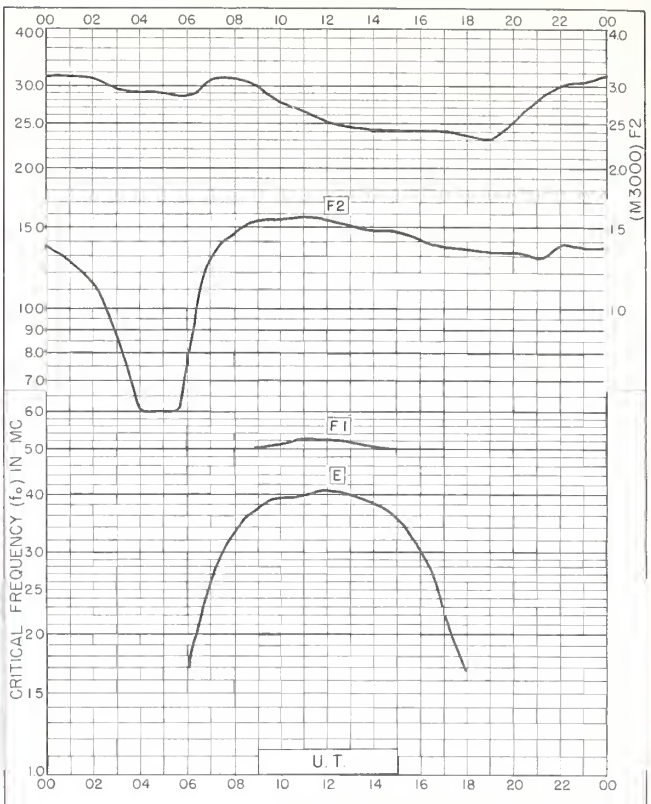


Fig. 74. DAKAR, FRENCH W AFRICA
14.8°N, 17.4°W NOVEMBER 1956

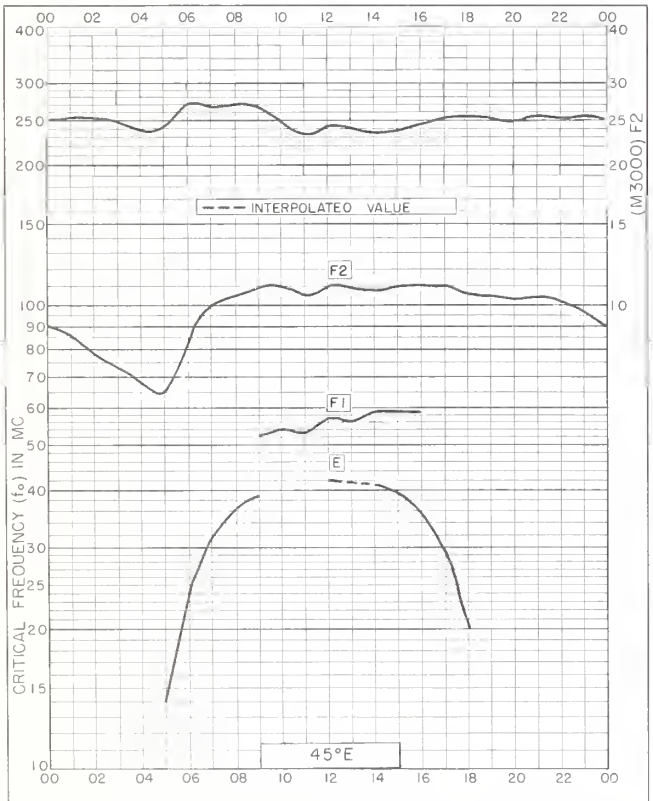


Fig. 75. TANANARIVE, MADAGASCAR
18.8°S, 47.5°E NOVEMBER 1956


Fig. 76. CAMPBELL I.
52.5°S, 169.2°E NOVEMBER 1956

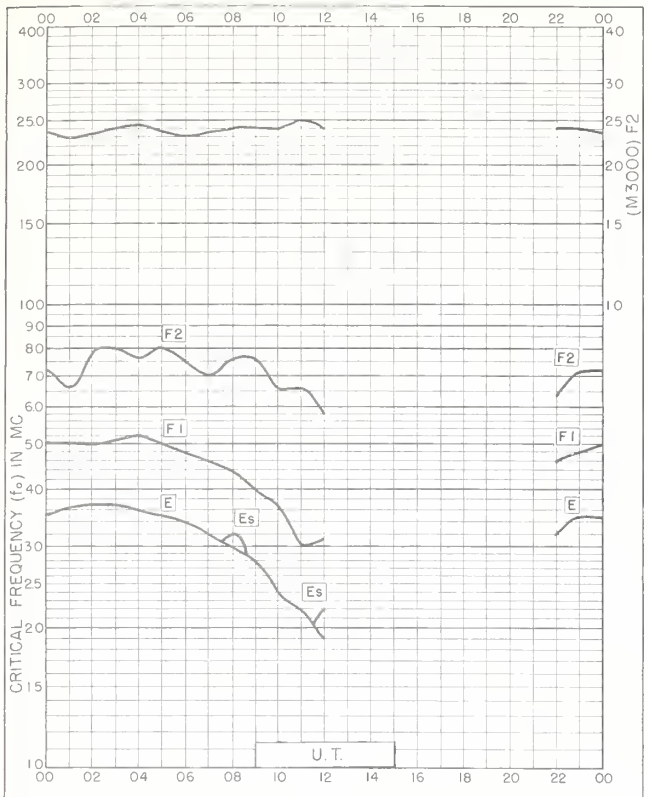


Fig. 77. TERRE ADELIE
66.7°S, 140.0°E NOVEMBER 1956

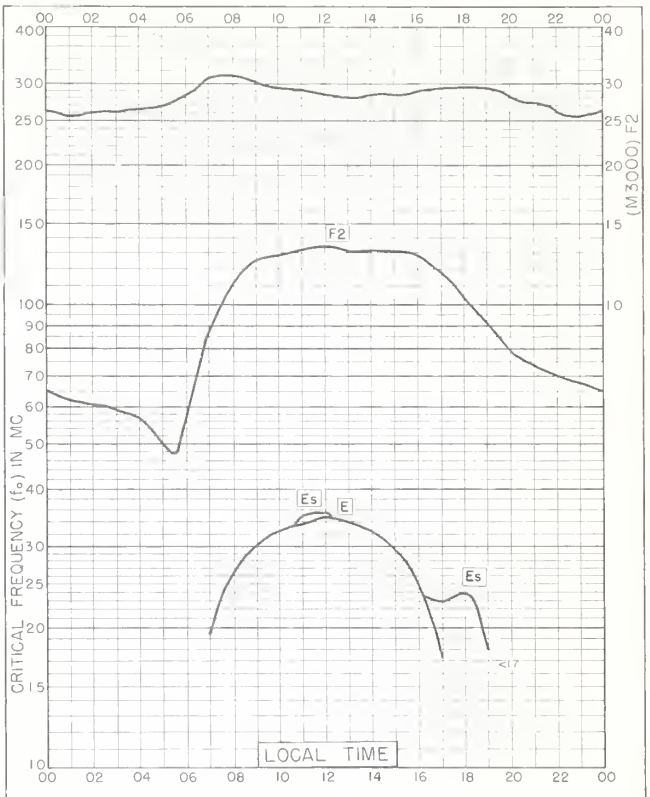


Fig. 78. FREIBURG, GERMANY
48.1°N, 7.8°E OCTOBER 1956

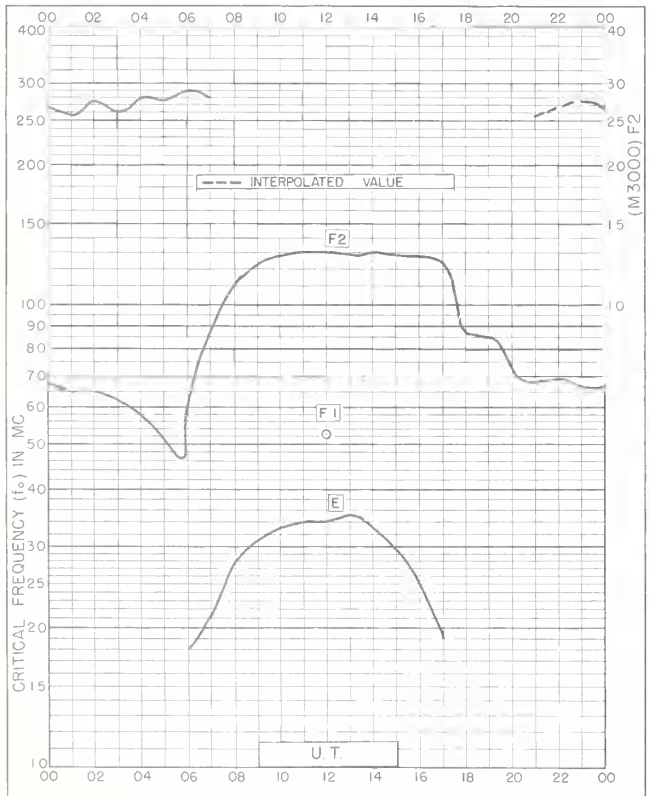


Fig. 79. POITIERS, FRANCE
46.6°N, 0.3°E OCTOBER 1956

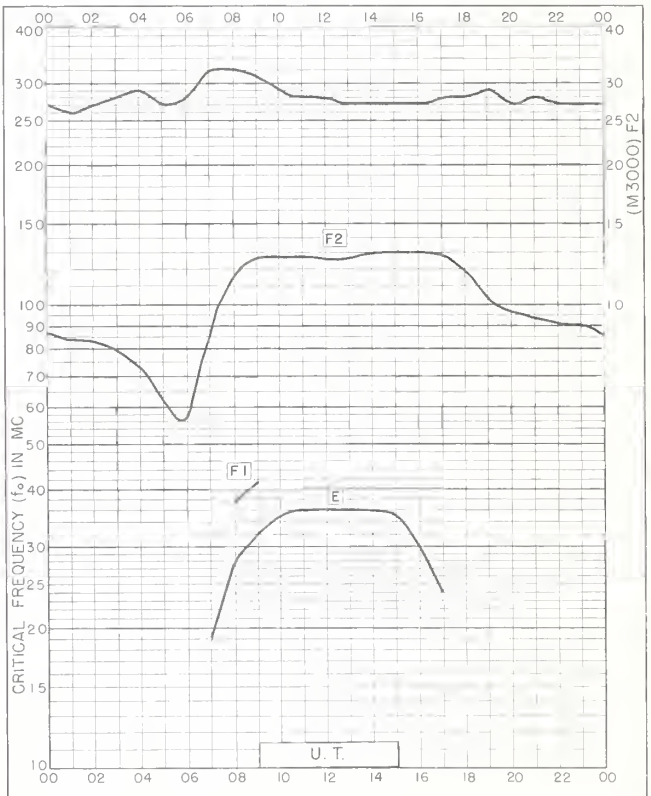


Fig. 80. CASABLANCA, MOROCCO
33.6°N, 7.6°W OCTOBER 1956

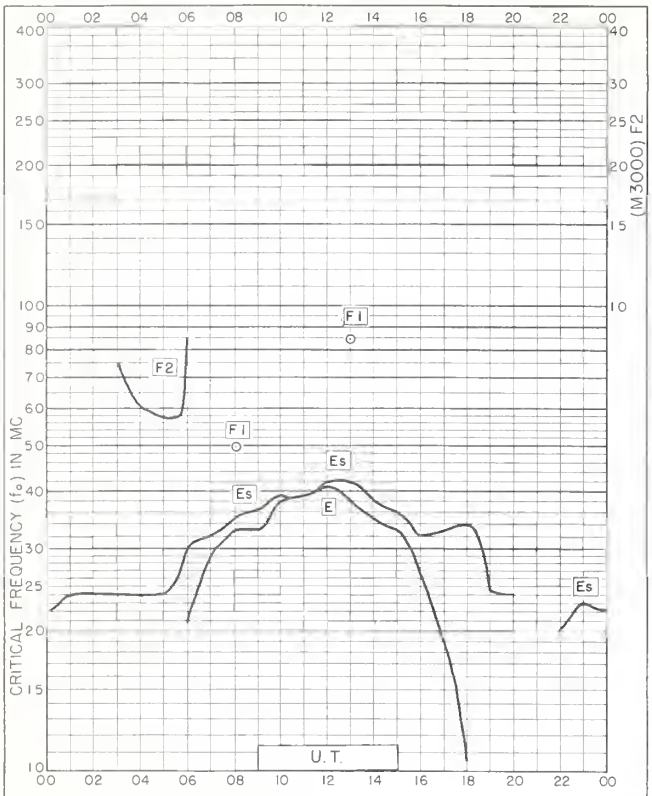


Fig. 81. TAMANRASSET, FRENCH W. AFRICA
22.8°N, 5.5°E OCTOBER 1956

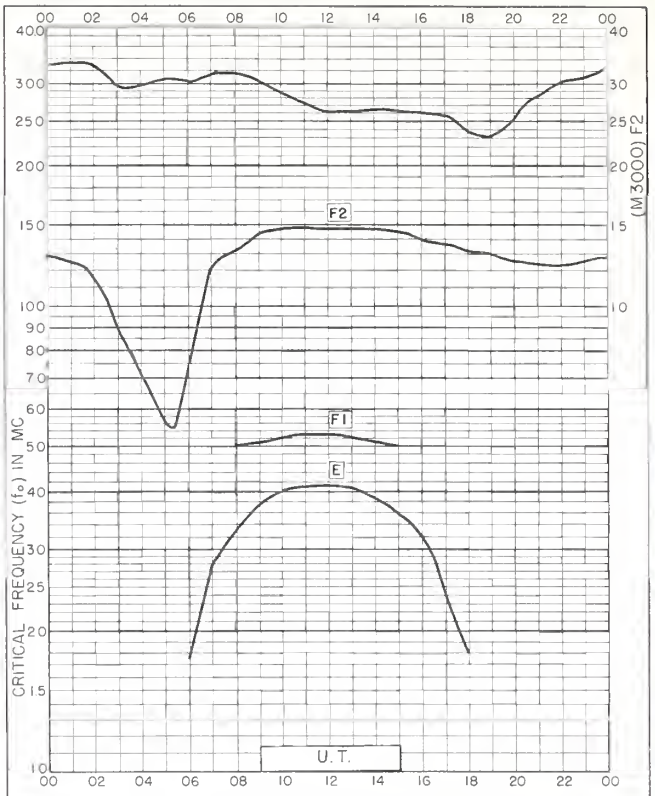


Fig. 82. DAKAR, FRENCH W. AFRICA
14.8°N, 17.4°W OCTOBER 1956

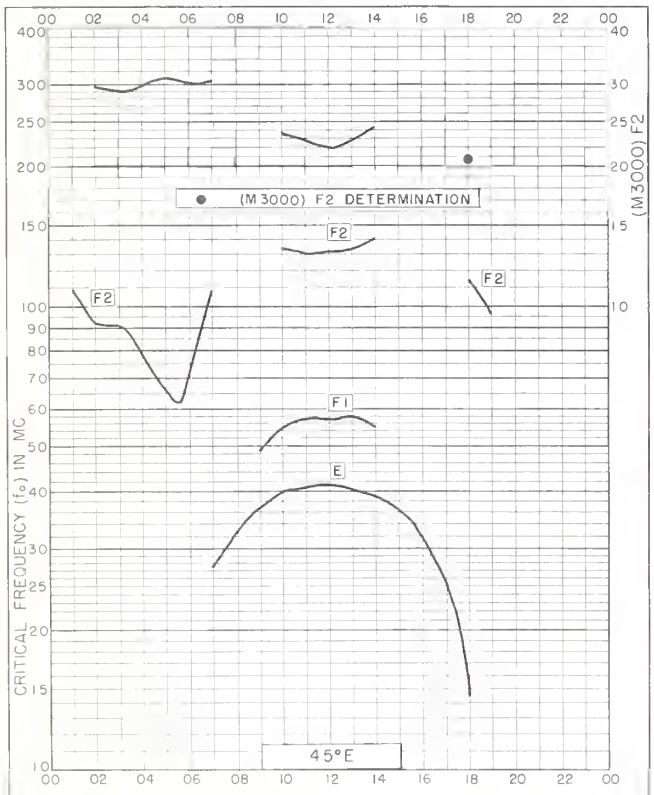


Fig. 83. DJIBOUTI, FRENCH SOMALILAND
11.6°N, 43.2°E OCTOBER 1956

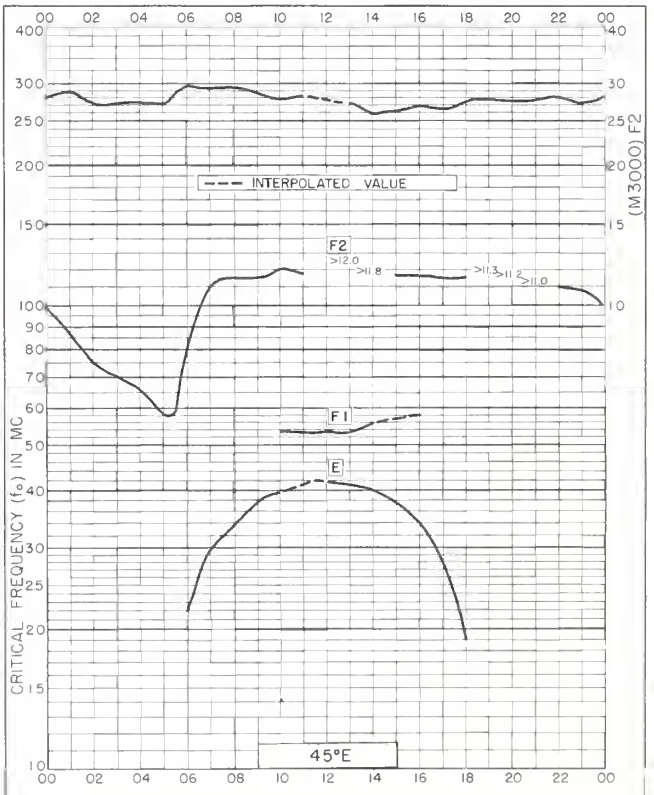


Fig. 84. TANANARIVE, MADAGASCAR
18.8°S, 47.5°E OCTOBER 1956


Fig. 85. KERGUELEN I.
49.4°S, 70.3°E OCTOBER 1956

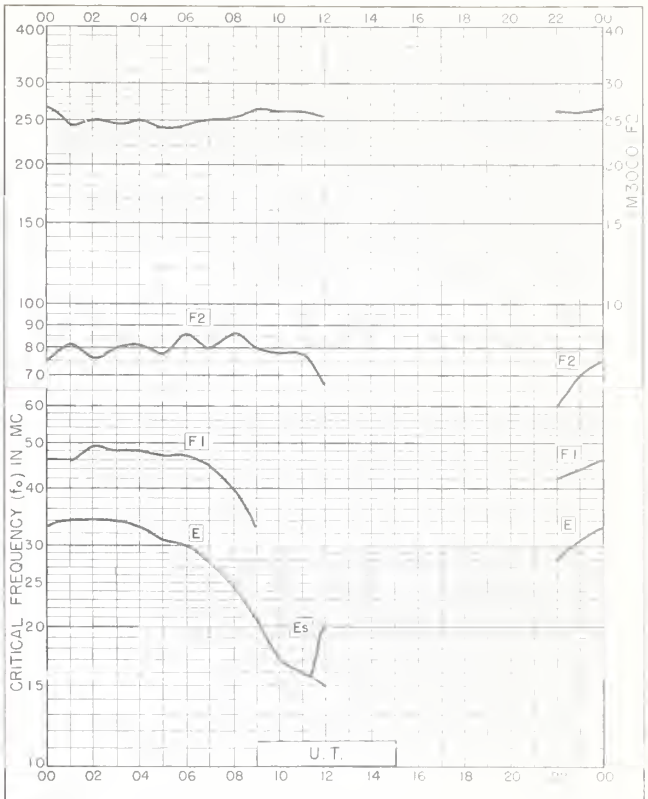


Fig. 86. TERRE ADELIE
66.7°S, 140.0°E OCTOBER 1956

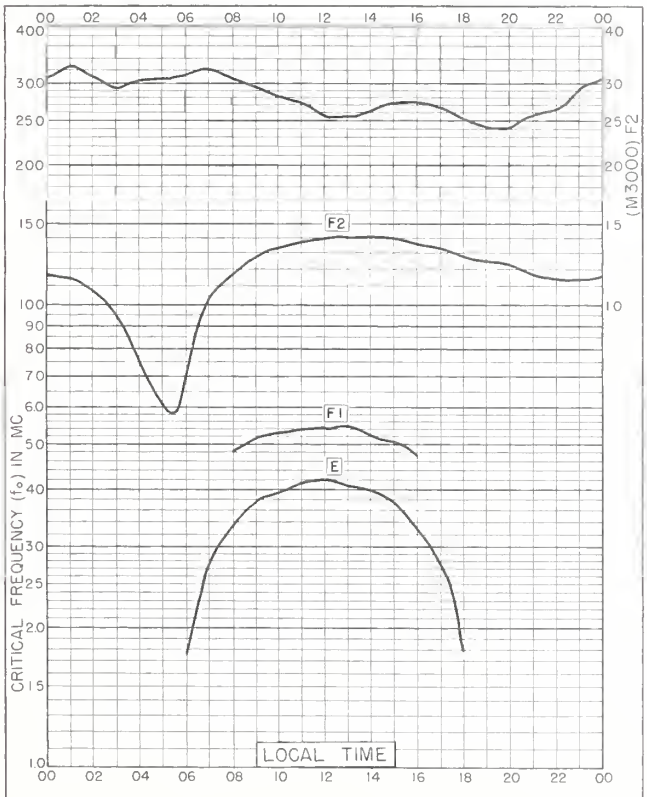


Fig. 87. DAKAR, FRENCH W. AFRICA
14.7°N, 17.4°W SEPTEMBER 1956

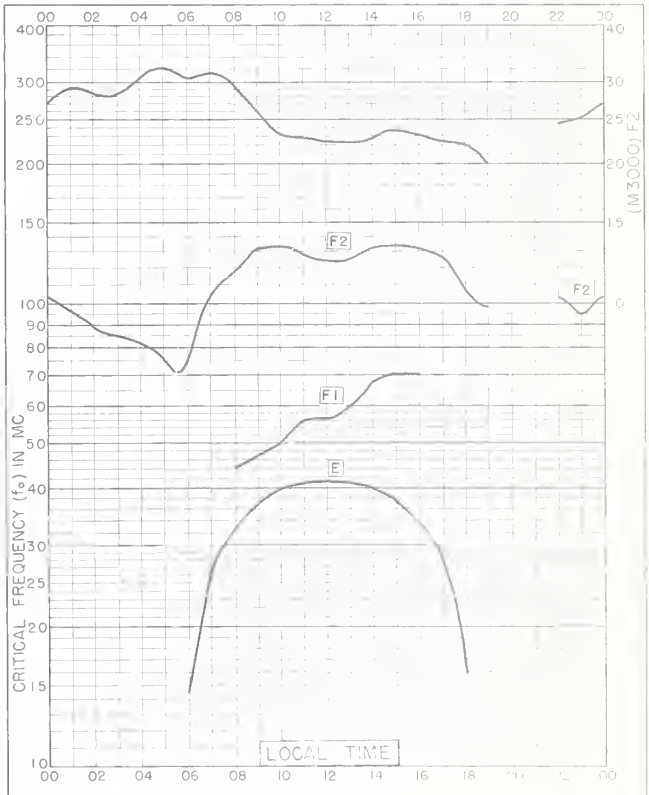


Fig. 88. DJIBOUTI, FRENCH SOMALILAND
11.5°N, 43.1°E SEPTEMBER 1956

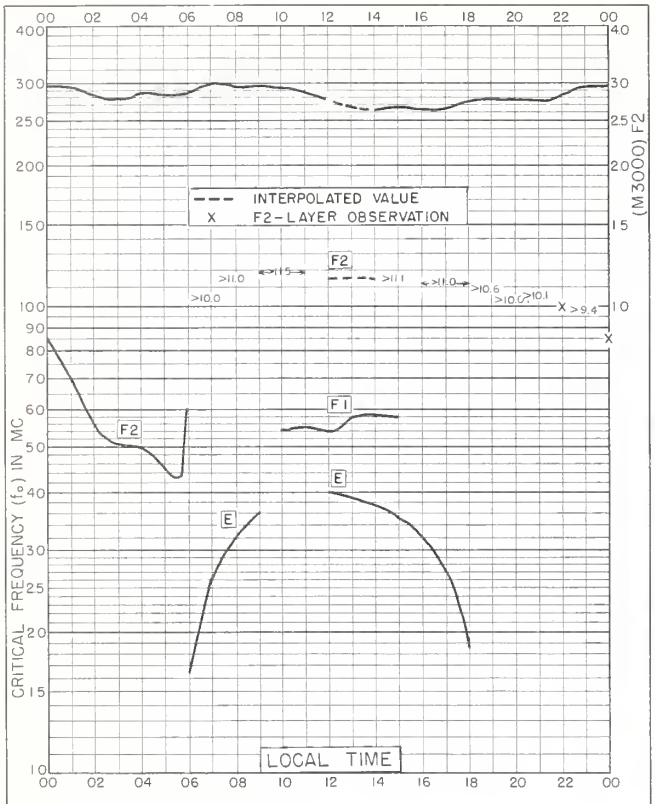


Fig. 89. TANANARIVE, MADAGASCAR
18.9°S, 47.6°E SEPTEMBER 1956

NBS 503

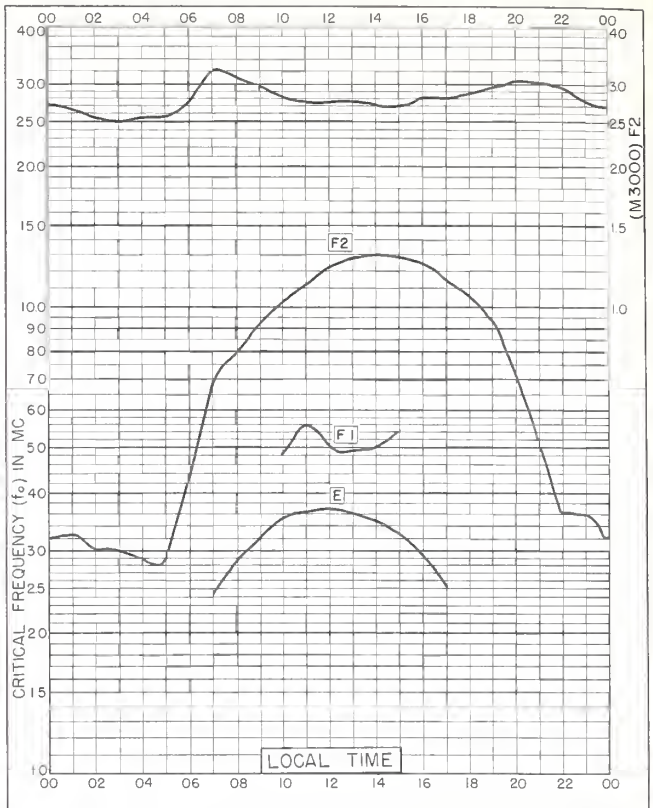


Fig. 90. KERGUELEN I.
49.3°S, 70.5°E SEPTEMBER 1956

NBS 503

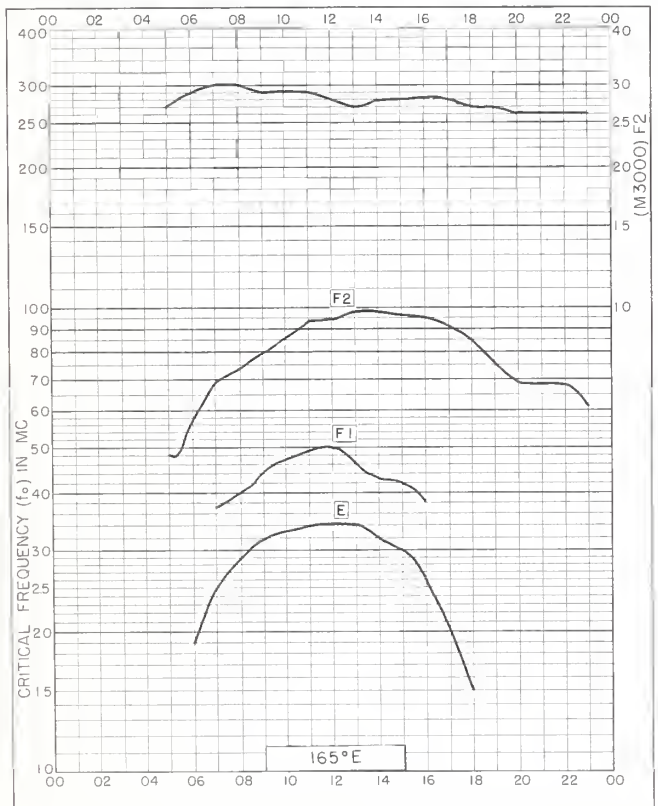


Fig. 91. CAMPBELL I.
52.5°S, 169.2°E SEPTEMBER 1956

NBS 503

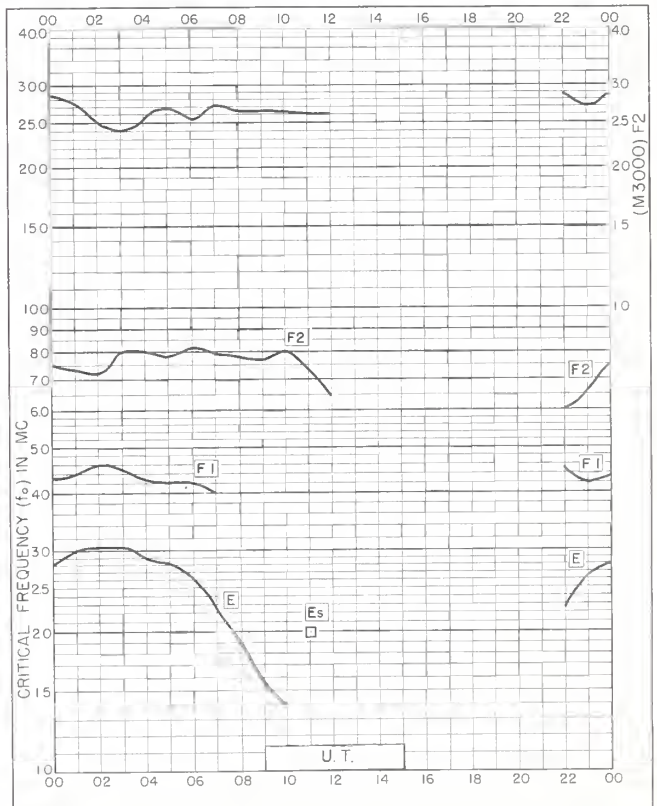


Fig. 92. TERRE ADELIE
66.7°S, 140.0°E SEPTEMBER 1956

NBS 503

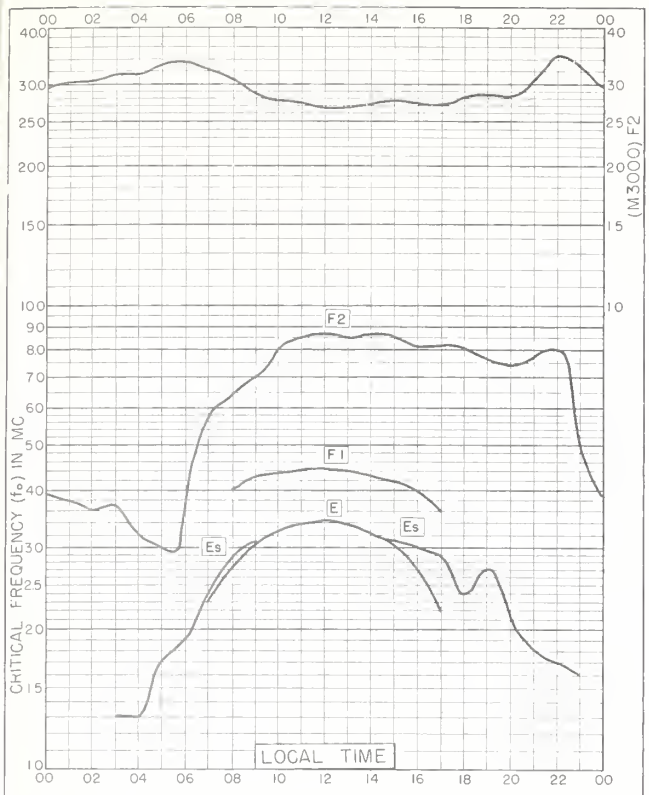


Fig. 93. LWIRO, CONGO
2.3°S, 28.8°E DECEMBER 1954

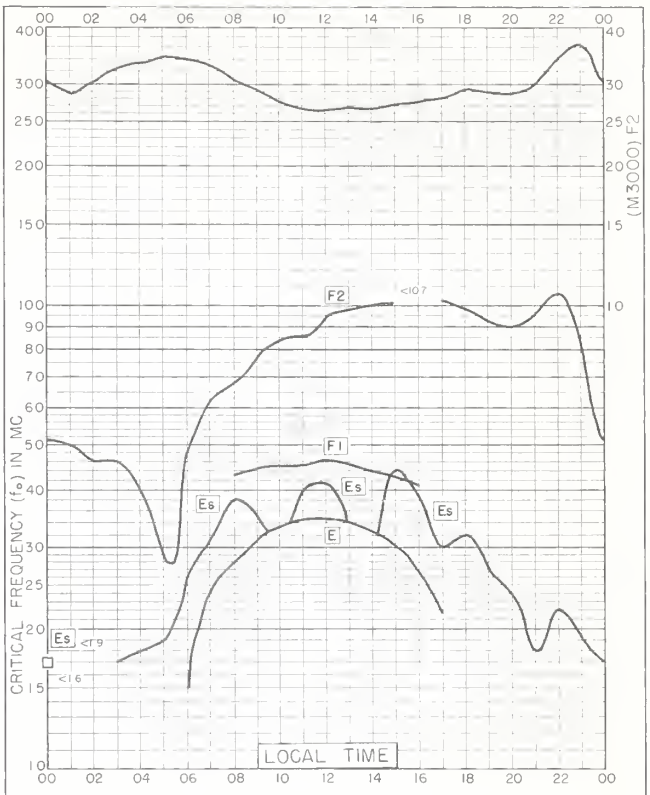


Fig. 94. LWIRO, CONGO
2.3°S, 28.8°E NOVEMBER 1954


Fig. 95. LWIRO, CONGO
2.3°S, 28.8°E OCTOBER 1954

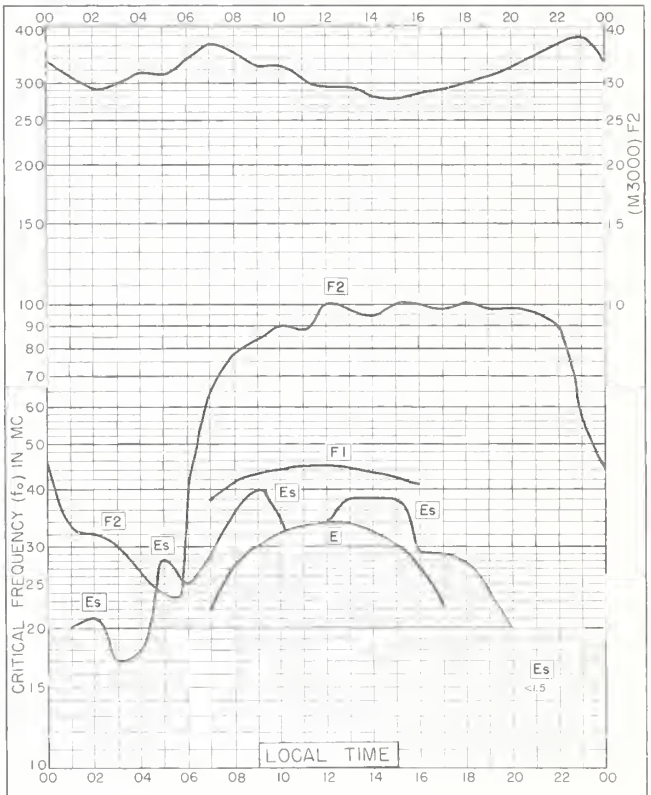


Fig. 96. LWIRO, CONGO
2.3°S, 28.8°E SEPTEMBER 1954

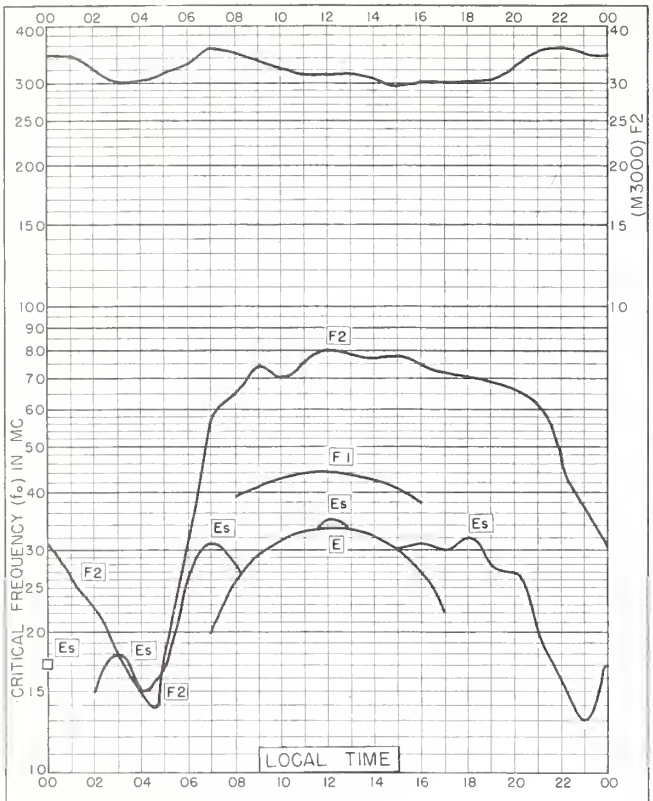


Fig. 97. LWIRO, CONGO
2.3°S, 28.8°E
AUGUST 1954

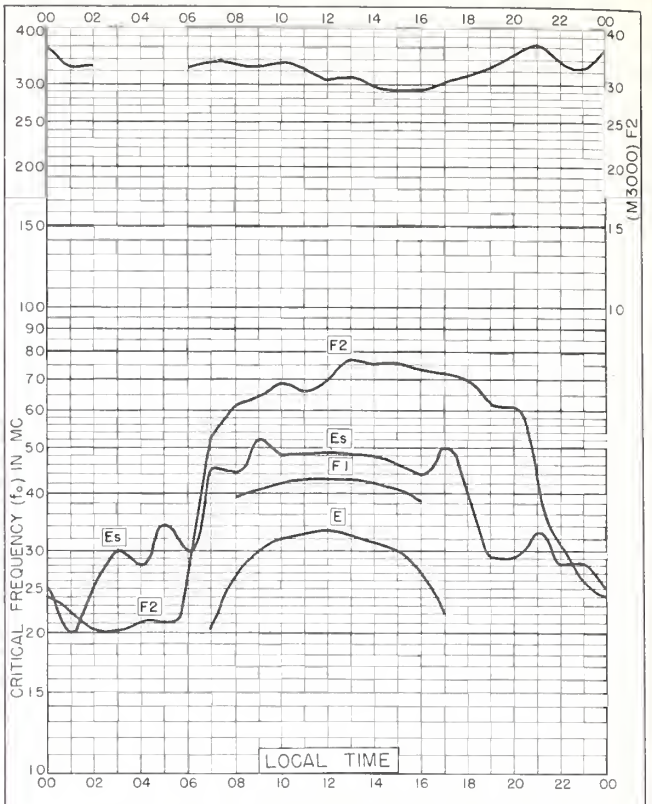


Fig. 98. LWIRO, CONGO
2.3°S, 28.8°E
JULY 1954

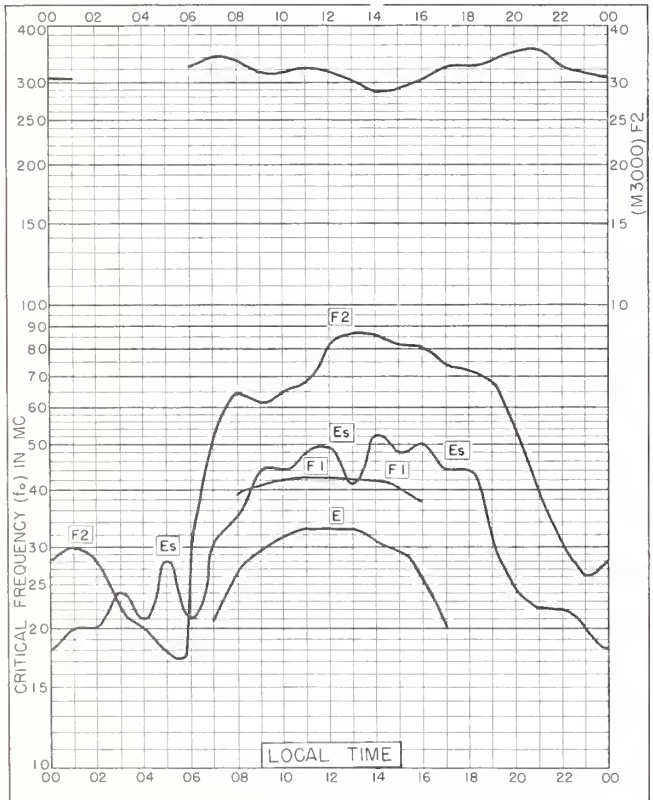


Fig. 99. LWIRO, CONGO
2.3°S, 28.8°E
JUNE 1954


Fig. 100. LWIRO, CONGO
2.3°S, 28.8°E
JANUARY 1954

## Index of Tables and Graphs of Ionospheric Data in CRPL-F215 (Part A)

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Index (CRPL-F215 (Part A), continued)

Index CRPL-F215 (Part A), concluded)

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*Circulars of the National Bureau of Standards pertaining to Radio Sky Wave Transmission:*

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