

F — 89

551. 510. 535. 05(52) (047.3)

IONOSPHERIC DATA IN JAPAN

FOR MAY 1956

Vol. 8 No. 5

Issued in June 1956

Prepared by

THE RADIO RESEARCH LABORATORIES

KOKUBUNJI, TOKYO, JAPAN

551. 510. 535. 05(52) (047.3)

IONOSPHERIC DATA IN JAPAN

FOR MAY 1956

Vol. 8 No. 5

THE RADIO RESEARCH LABORATORIES

KOKUBUNJI, TOKYO, JAPAN

CONTENTS

| | Page |
|---|------|
| Symbols and Terminology..... | 2 |
| Site of the radio wave observatories | 3 |
| Graphs of Ionospheric Data | 4 |
| Tables of Ionospheric Data at Wakkai | 6 |
| Tables of Ionospheric Data at Akita | 9 |
| Tables of Ionospheric Data at Kokubunji | 12 |
| Tables of Ionospheric Data at Yamagawa | 24 |
| Data on Solar Radio Emission..... | 27 |

SYMBOLS AND TERMINOLOGY

The following symbols and terminology have been used in accordance with the recommendation of the International Scientific Radio Union (U.R.S.I.), Zürich, 1950 and at the Sixth Meeting of the International Radio Consultative Committee (C.C.I.R.), Geneva, 1951.

| | |
|------------------|--|
| f_0E | ordinary-wave critical frequency for the E , $F1$ and $F2$ layers respectively |
| f_0F1 | |
| f_0F2 | |
| fE_s | highest frequency on which echoes of the sporadic type are observed from the lower part of the E layer |
| $h'E$ | |
| $h'F1$ | |
| $h'F2$ | |
| $hpF2$ | minimum virtual height on the ordinary-wave branch for the E , $F1$ and $F2$ layers respectively |
| $hpF2$ | virtual height of the $F2$ layer measured on the ordinary-wave branch at a frequency equal to 0.834 f_0F2 |
| $ypF2$ | semi-thickness of the $F2$ layer deduced from a parabolic fit to the "nose" of the electron density distribution with height and based on the observed $h'f$ trace. (The difference between $hpF2$ and the virtual height at 0.969 f_0F2) |
| (M 3000) $F2$ | maximum usable frequency factor for a path of 3000 km for transmission by $F2$ layer |
| $f_{\min E}$ | frequency below which no echoes are observed for the E and F regions respectively |
| $f_{\min F}$ | |
| () | doubtful value |
| [] | interpolated value |
| A | characteristic not measurable because of blanking by E_s |
| B | characteristic not measurable because of absorption either partial or complete, and probably non-deviative in type |
| C | characteristic not observed because of equipment or power failure |
| D | before a number (or $>$): greater than alone: characteristic at a frequency higher than the normal upper frequency limit of the equipment |
| E | before a number (or $<$): less than alone: characteristic at a frequency lower than the normal lower frequency limit of the equipment |
| F | spread echoes present |
| G | a) $F2$ -layer critical frequency equal to or less than $F1$ -layer critical frequency b) no E_s (or E_{2s}) echoes observed though regular E (or $E2$) layer echoes are present (i.e., a symbol for daytime usage) |
| H | stratification observed within the layer |

- J ordinary wave characteristic deduced from measured extraordinary-wave characteristic
- K ionospheric disturbance in progress (this is always applied to a series of hourly values, never to an isolated value)
- L a) E_1 -layer characteristic emitted or doubtful because no definite or abrupt change in slope of the $h'f$ curve is observed either for the first reflection or any of the multiples
b) $h'F_2$ omitted because the F_2 -layer trace is continuous with the F_1 -layer trace and without a point of zero slope
- M characteristic not observed because of some failure or emission on the part of the operator, rather than owing to any mechanical or electrical fault in the equipment or its power supply
- N nature of the record is such that the characteristic cannot readily be interpreted
- P trace extrapolated to critical frequency (it is unnecessary to use this letter for small extrapolations of one or two percent, but use should be made of symbol of () if the extrapolation leads to a critical frequency which exceeds the last observed point on the trace by more than five percent)
- Q distinct layer not present
- S characteristic observed by interference or by atmospherics
- T loss or destruction of successful observations
- U hp or yp not measurable, for instance, because ordinary-wave trace has horizontal tangent at or above the frequency $0.834 f_0 F_2$
- V trace forked near critical frequency
- W characteristic at a virtual height greater than the normal upper height limit of the equipment
- Y E_s trace intermittent in frequency range very short pieces of trace at the high frequency and should be ignored since they may be presumed to be due to short-lived echoes
- Z third magnet-ionic component of the $h'f$ trace is observed

SITES OF THE RADIO WAVE OBSERVATORIES

Ionospheric observation is carried out at the following four observatories in Japan.

| | Latitude | Longitude | Site |
|-----------|------------|-------------|--|
| Wakkanai | 45°23.6'N. | 141°41.1'E. | Wakkanai-shi, Hokkaido |
| Akita | 39°43.5'N. | 140°03.2'E. | Tegata Nishishin-machi, Akita-shi, Akita-ken |
| Kokubunji | 35°42.4'N. | 139°29.3'E. | Koganei-machi, Kitatama-gun, Tokyo-to |
| Yamagawa | 31°12.5'N. | 130°37.7'E. | Yamagawa-machi, Ibusuki-gun, Kagoshima-ken |

Solar radio emission is observed at Hiraiso Radio Wave Observatory.

| | Latitude | Longitude | Site |
|---------|------------|-------------|--|
| Hiraiso | 36°22.0'N. | 140°37.5'E. | Hiraiso-machi, Nakaminato-shi, Ibaragi-ken |

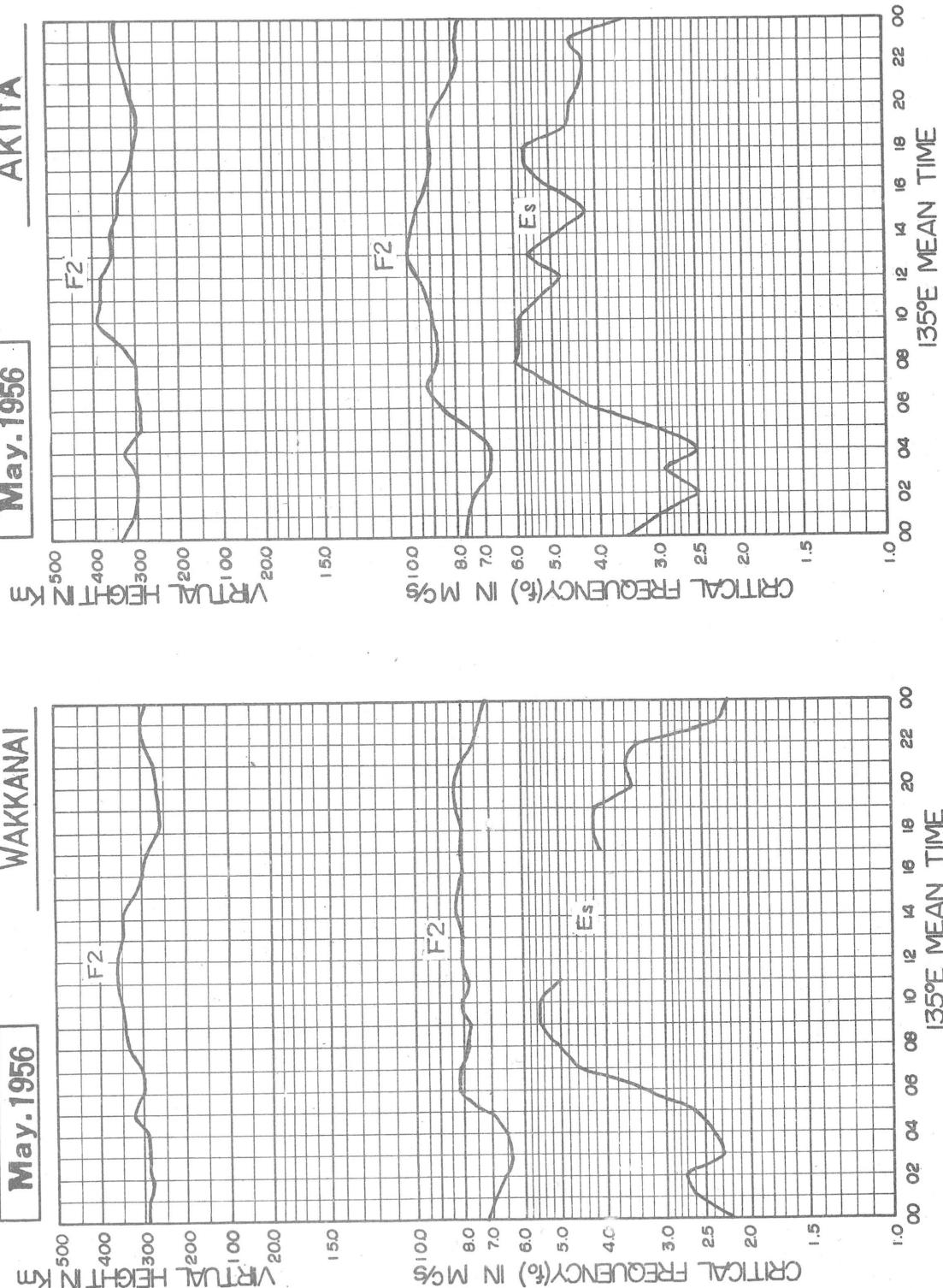
4
IONOSPHERIC DATA
MONTHLY MEDIAN CHARACTERISTICS

AKITA

May. 1956

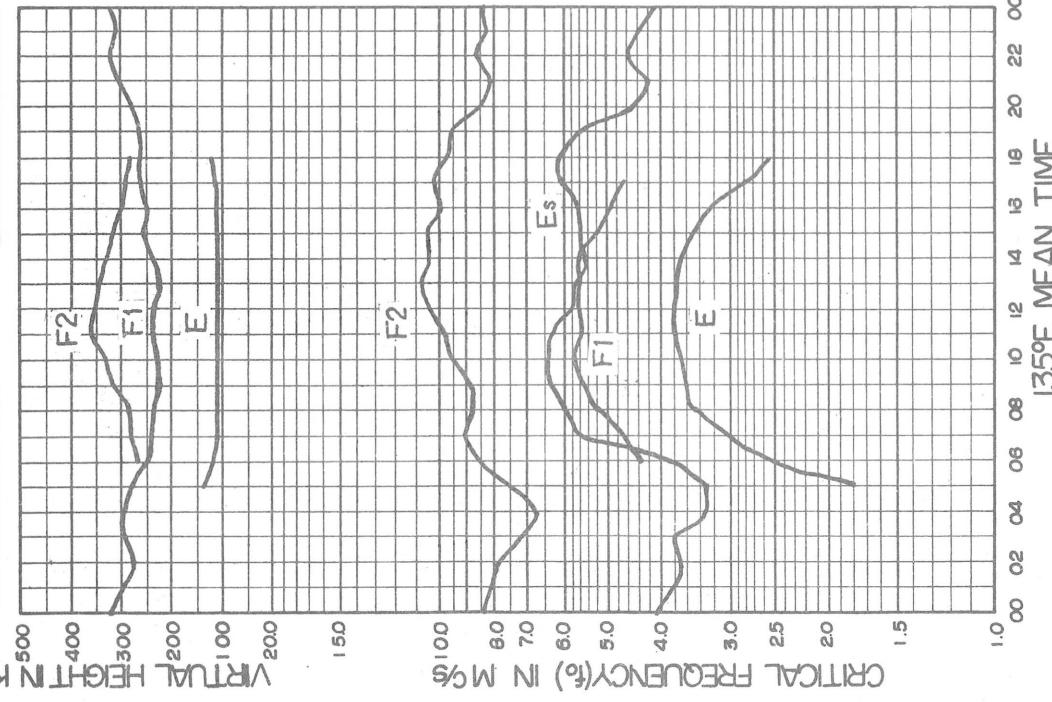
WAKKANAI

May. 1956



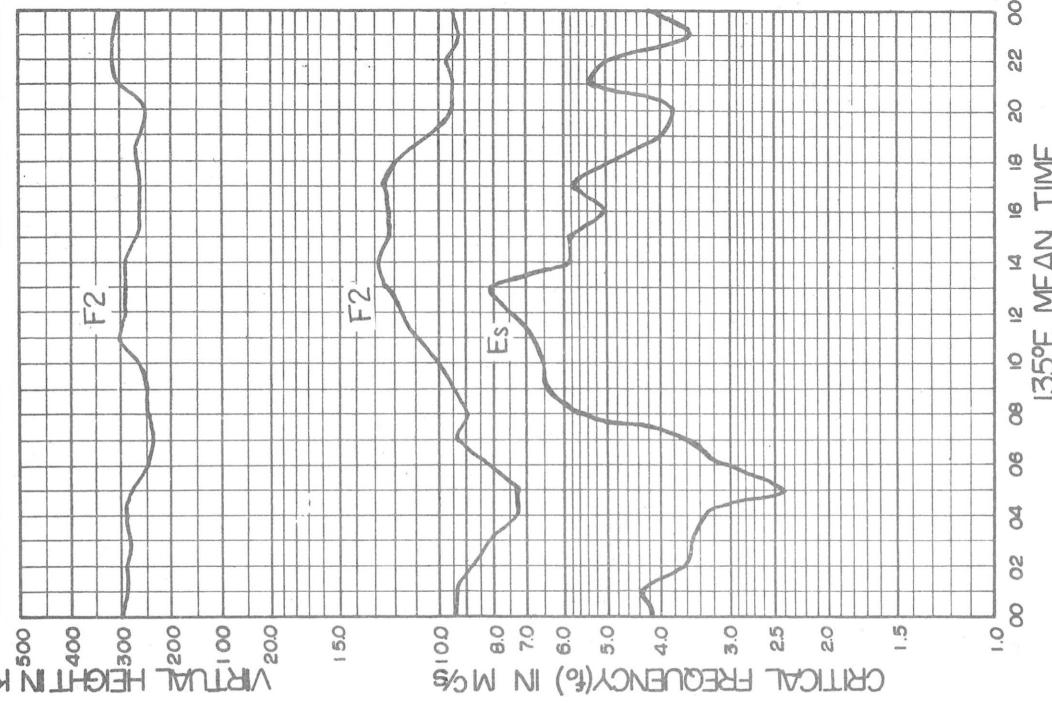
IONOSPHERIC DATA
MONTHLY MEDIAN CHARACTERISTICS

May. 1956



YAMAGAWA

May. 1956



IONOSPHERIC DATA

May. 1956

foF2

135° E Mean Time

Lat. 45° 23.6' N
Long. 141° 41.1' E

Wakkanai

| Day | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | | |
|--------------|-------|-------|-------|-----|-------|-----|------|-------|------|-------|------|------|------|------|------|------|------|-----|------|------|-------|-----|-----|-------|-----|-----|
| 1 | 7.0 | 7.0 | 6.4 | 7.2 | 6.8 | 9.5 | 10.0 | 10.1 | 11.3 | 11.9 | 12.1 | 11.9 | 11.5 | 12.0 | 11.5 | 10.8 | 10.3 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | | | |
| 2 | S | S | 7.0 | 6.3 | 6.2 | 6.7 | 7.6 | 7.4 | 7.1 | 7.1 | 7.1 | 7.4 | 7.5 | 7.3 | 7.5 | 7.2 | 7.0 | 7.4 | 7.0 | 7.2 | 7.4 | 7.0 | 6.7 | | | |
| 3 | 6.5 | 6.5 | 6.7 | 6.3 | 6.1 | 6.9 | 8.3 | 9.0 | 8.6 | 8.3 | H | C | C | C | C | C | C | C | C | C | C | C | C | | | |
| 4 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | | | |
| 5 | 7.3 | (7.3) | P | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | | | |
| 6 | 7.2 | 6.9 | 6.5 | 6.1 | 5.4 | 6.2 | 6.5 | 7.0 | 6.5 | 6.5 | 6.0 | P | 7.0 | 7.4 | 7.3 | 7.2 | H | 7.9 | 7.7 | 8.1 | 8.7 | 8.5 | 8.0 | | | |
| 7 | 7.2 | 6.7 | 6.5 | 6.5 | 6.5 | 5.3 | 5.6 | 5.8 | P | (6.3) | P | 6.0 | P | 8.7 | 9.1 | J | 9.3 | J | 8.8 | P | 8.5 | P | 8.1 | 7.1 | | |
| 8 | S | S | (7.3) | 6.6 | 6.5 | 6.5 | 7.0 | 7.0 | 8.0 | 9.0 | 9.0 | 9.5 | 9.5 | 9.5 | 9.5 | J | 9.3 | J | 9.0 | 9.1 | 9.0 | 8.5 | P | 8.1 | | |
| 9 | 7.3 | P | 7.2 | P | 7.1 | P | 7.0 | P | 6.9 | 8.1 | 8.5 | 8.5 | 8.0 | 8.3 | 9.1 | 9.5 | J | 9.2 | J | 8.7 | P | 8.5 | J | 8.5 | | |
| 10 | 7.6 | P | 7.2 | 6.9 | 6.7 | 6.8 | 8.2 | 9.9 | P | 10.0 | 10.3 | 9.3 | 9.3 | 9.3 | 9.3 | J | 9.5 | J | 9.3 | 9.3 | 8.7 | 8.6 | P | 8.5 | | |
| 11 | 7.6 | P | 7.6 | J | 7.7 | 7.4 | 6.8 | 7.8 | 8.9 | 10.1 | 9.9 | 9.9 | 9.6 | 10.0 | 9.8 | J | 10.2 | P | 10.6 | 11.0 | 10.5 | 9.3 | P | 8.3 | | |
| 12 | 8.0 | 7.7 | 7.5 | 7.0 | 6.6 | 7.0 | P | 7.0 | 6.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | J | 9.5 | J | 9.0 | 9.4 | 8.8 | 9.1 | P | 8.1 | | |
| 13 | (8.0) | P | (7.4) | P | 6.7 | 7.0 | P | (7.5) | P | (8.4) | P | 8.3 | P | 8.0 | 8.0 | 8.1 | 8.1 | J | 8.1 | P | (8.8) | P | 9.0 | 8.5 | J | 8.5 |
| 14 | 6.3 | 5.9 | 5.8 | 5.5 | 4.9 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | | |
| 15 | 6.3 | 6.4 | 5.5 | 5.1 | 5.0 | 5.7 | 6.3 | 6.4 | 6.2 | 6.1 | 6.0 | A | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | | |
| 16 | 6.4 | P | 6.1 | 5.3 | J | 4.8 | 4.8 | 5.8 | 6.0 | 5.8 | 5.5 | 5.7 | J | 5.7 | 5.7 | 6.1 | 6.1 | 6.5 | 6.6 | 6.9 | 7.3 | 7.2 | 7.2 | 7.2 | 7.2 | |
| 17 | S | K | 4.2 | K | 4.0 | K | 3.6 | K | B | K | B | K | C | K | B | K | A | K | 5.9 | K | 5.9 | K | 5.9 | K | 5.7 | |
| 18 | 5.8 | K | 6.3 | K | 5.5 | K | 4.5 | V | 4.3 | K | 5.7 | K | 5.7 | 5.7 | 5.7 | 6.0 | 6.4 | 6.5 | 6.8 | 7.2 | 7.2 | 7.4 | P | (6.9) | | |
| 19 | 7.0 | P | 7.2 | P | 6.3 | 5.8 | 5.8 | 5.8 | 5.8 | 8.2 | 8.2 | 8.9 | J | 8.6 | 8.3 | P | 8.0 | 8.2 | 8.3 | 8.8 | 9.0 | 6.9 | 6.0 | 6.7 | | |
| 20 | (7.8) | P | (7.6) | P | 7.4 | P | 7.4 | 6.6 | 6.7 | 7.8 | 7.6 | P | 7.6 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | | |
| 21 | S | S | 6.9 | P | 6.2 | 5.9 | 5.8 | 6.6 | 7.3 | 8.3 | J | 8.3 | J | 7.8 | H | 7.5 | 7.9 | 7.9 | 8.3 | P | 8.3 | A | A | 5 | | |
| 22 | 21 | 6.7 | 6.6 | 6.5 | 6.5 | 7.3 | 7.3 | 7.6 | P | 8.4 | P | 8.1 | P | 8.7 | P | 8.5 | 8.8 | A | 8.2 | J | 8.2 | A | 8.7 | P | | |
| 23 | 7.0 | 7.6 | 7.1 | 7.0 | 7.0 | 8.0 | 8.5 | 9.2 | 8.8 | J | 7.7 | 7.5 | H | 7.0 | H | 7.5 | H | 7.9 | 8.0 | H | 8.3 | 8.0 | 7.5 | | | |
| 24 | 2.5 | P | 6.6 | 6.5 | 6.5 | 6.6 | 8.0 | 8.5 | 8.8 | J | 6.6 | 7.7 | H | 9.3 | 8.2 | 8.8 | J | 7.7 | 6.7 | 6.5 | 6.6 | 7.5 | 7.0 | | | |
| 25 | 6.5 | 6.5 | 6.0 | 5.6 | 5.5 | 5.2 | 5.5 | 5.8 | 5.3 | A | S | S | S | S | S | S | S | S | S | S | S | S | S | | | |
| 26 | 6.0 | 4.8 | 4.5 | 4.3 | 4.3 | 5.6 | 6.3 | 6.4 | 7.0 | 6.6 | 6.8 | 7.1 | 7.1 | 7.9 | 8.5 | H | 8.5 | H | 8.2 | 8.3 | 8.0 | 8.3 | P | 7.5 | | |
| 27 | (7.0) | P | 6.6 | 6.5 | 6.3 | P | 6.5 | A | 7.8 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | | | |
| 28 | 7.8 | -8.0 | 7.4 | J | 7.3 | 2.8 | F | 8.0 | 9.0 | 8.7 | 8.5 | 8.5 | H | 6.3 | H | 7.5 | 8.0 | 8.6 | 8.7 | 8.0 | 8.5 | 8.1 | 7.7 | | | |
| 29 | 7.1 | 7.0 | 6.7 | 6.6 | 6.6 | 7.8 | H | 8.7 | H | 8.2 | 8.3 | 7.6 | 7.8 | H | 7.7 | P | 7.5 | H | 8.0 | 8.3 | J | 8.3 | P | 7.8 | | |
| 30 | 8.0 | 7.3 | 7.0 | 6.8 | 6.8 | 7.3 | 7.5 | 8.2 | 7.6 | 6.2 | 7.0 | 6.1 | 6.3 | 6.4 | 6.0 | P | 6.7 | 7.3 | 8.0 | 8.3 | 8.1 | 8.2 | 8.3 | 7.3 | | |
| 31 | 6.7 | 6.5 | (6.5) | P | (5.8) | P | 6.2 | F | 7.0 | 7.3 | 6.6 | 6.0 | A | A | A | A | A | A | A | A | A | A | A | A | | |
| Mean Value | 7.1 | 6.8 | 6.5 | 6.2 | 6.2 | 6.9 | 7.8 | 8.0 | 7.7 | 7.8 | 8.0 | 8.0 | 8.1 | 8.3 | 8.2 | 8.3 | 8.1 | 8.0 | 8.1 | 8.0 | 7.8 | 7.5 | 7.4 | | | |
| Median Value | 7.1 | 6.9 | 6.6 | 6.4 | 6.4 | 6.5 | 7.0 | 8.2 | 8.2 | 7.9 | 7.7 | 8.0 | 8.0 | 8.0 | 8.2 | 8.2 | 8.2 | 8.0 | 8.0 | 8.0 | 8.1 | 7.5 | 7.3 | | | |
| Count | 26 | 28 | 30 | 30 | 30 | 30 | 28 | 28 | 28 | 28 | 28 | 26 | 26 | 26 | 26 | 26 | 26 | 27 | 27 | 27 | 26 | 28 | 29 | 27 | | |

foF2

Sweep 1.0 Mc to 22.0 Mc in 1 min

□ Manual

W 1

IONOSPHERIC DATA

May. 1956

F'F2

135° E

Mean

Time

Lat. 45° 2' 3.6" N
Long. 141° 41.1' E

Wakkawai

| Day | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|-----|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|
| 1 | J70 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | |
| 2 | J70 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | |
| 3 | J70 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | |
| 4 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | |
| 5 | J70 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | |
| 6 | J70 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | |
| 7 | J70A | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | |
| 8 | J70 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | |
| 9 | J70 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | |
| 10 | J70A | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | |
| 11 | J70 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | |
| 12 | J70 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | |
| 13 | J70 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | |
| 14 | J60 | (J50) | J70A | |
| 15 | J70 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | |
| 16 | J70 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | |
| 17 | J60 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | |
| 18 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | |
| 19 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | |
| 20 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | |
| 21 | J70 | J70A | J70A | J70A | J70A | J70A | J70A | J70A | J70A | J70A | J70A | J70A | J70A | J70A | J70A | J70A | J70A | J70A | J70A | J70A | J70A | J70A | J70A | |
| 22 | J70 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | |
| 23 | J70 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | |
| 24 | J70 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | |
| 25 | J70 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | |
| 26 | J70 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | |
| 27 | J70F | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | |
| 28 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | |
| 29 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | |
| 30 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | |
| 31 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | J70 | |

Mean Value
Median Value
Count

Automatic
Manual

F'F2

Sweep — ▲ Mc to ▽ Mc in — min

W 2

IONOSPHERIC DATA

May. 1956

135° E Mean Time

fEs

Lat. 45° 23.6' N
Long. 141° 41.1' E

Wakkanai

| Day | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | |
|--------------|-------|------|-------|------|------|------|------|------|-------|-------|------|------|------|-------|------|-------|-------|------|------|-------|------|------|------|------|------|
| 1 | 3.5 | 3.0 | 4.1 | E | 2.2 | 4.0 | 4.2 | 4.3 | 5.2 | 5.9 | 6.2 | 5.2 | 4.8 | 4.6 | G | G | 4.5 | 3.3Y | 3.0Y | 1.8 | 2.9Y | 4.0 | 2.3Y | | |
| 2 | 3.0 | 2.5Y | 3.5 | 4.3 | 3.1Y | 2.3 | 4.8 | 7.2 | 5.3Y | G | G | G | G | G | G | 4.0Y | 1.8 | 3.5Y | 4.3Y | 5.1Y | 5.9Y | 5.8Y | | | |
| 3 | 4.2 | 3.0 | 3.0Y | 2.3Y | E | C | C | C | 5.0 | 6.0Y | 5.9Y | C | C | C | C | C | C | C | C | C | C | C | | | |
| 4 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | | | |
| 5 | E | 2.0 | 2.0 | E | 2.1Y | 3.0Y | 3.6 | G | G | 6.1Y | 5.0Y | 4.8Y | 4.4Y | 5.3 | G | G | G | 4.2 | 4.2 | E | 2.0 | E | E | | |
| 6 | 2.3Y | E | 2.5Y | E | E | G | G | G | 5.2 | 5.1 | 5.7 | 6.2 | G | G | 8.5Y | 11.7Y | 13.2Y | 8.5Y | 5.3 | 3.5Y | 3.0Y | E | 2.3Y | | |
| 7 | 4.1 | 2.7Y | 2.2Y | E | 1.8Y | G | G | G | G | 6.0Y | 6.5Y | 5.5Y | 6.0Y | G | G | 6.5Y | 6.5Y | 5.3Y | 7.0 | 7.0Y | 9.2Y | 5.3 | 6.0Y | 5.7Y | |
| 8 | E | E | 1.5Y | 2.5Y | 2.3Y | G | G | G | G | 2.8Y | 6.0 | 5.0Y | 4.8Y | G | G | G | G | 4.8 | 4.2 | 5.2Y | 2.6Y | 3.4 | 2.8Y | E | |
| 9 | 2.2 | 2.8 | 2.2Y | 2.3Y | 1.6Y | 3.5 | G | G | G | G | 4.8Y | 5.0Y | 4.8Y | 5.0Y | G | G | 4.3Y | 5.0Y | 6.3Y | 4.8Y | 5.0 | 3.0 | 5.1Y | 2.4Y | E |
| 10 | 3.5Y | 3.0 | 2.3Y | 1.6 | 1.2 | G | 3.2Y | 5.3Y | 7.9Y | 5.5Y | 4.8Y | G | G | G | G | G | G | 3.0Y | 6.3Y | 7.0Y | 5.7Y | 5.7Y | 5.7Y | 2.3Y | |
| 11 | 1.7Y | E | 3.5Y | 3.0Y | 2.2Y | 3.5 | 4.3Y | 6.0Y | G | G | 6.6Y | 5.8Y | 6.5 | 5.7Y | C | 7.0 | 5.5Y | 4.7 | 5.2 | 7.1 | 5.7 | 5.8Y | 4.3Y | 4.2Y | 5.7Y |
| 12 | 3.5Y | 3.5Y | 2.3Y | 2.3Y | 1.9Y | G | G | G | G | G | G | G | G | G | G | 6.0Y | 6.5 | 3.7Y | 3.5Y | 4.6 | 4.0Y | 2.3 | 5.8Y | E | |
| 13 | E | E | 3.4Y | E | 2.5Y | G | G | C | 5.1 | G | 5.2 | 6.5Y | 5.0Y | G | G | G | G | G | G | E | E | E | E | E | |
| 14 | 3.5Y | 5.1Y | 2.2Y | 4.5Y | 4.4Y | 5.0 | 6.0 | 8.9Y | G | G | G | G | G | G | G | G | G | G | 2.2Y | 3.5Y | 4.0Y | 2.5Y | 2.4Y | | |
| 15 | E | E | E | E | 2.6 | 4.3 | 7.6 | 6.1 | 10.2Y | 6.1Y | 6.5Y | G | G | G | G | 5.9Y | 5.5Y | G | G | 2.9Y | C | E | E | 2.3 | |
| 16 | E | 2.2 | 2.9Y | 2.6Y | 4.2 | G | G | G | G | 5.5Y | C | 6.0Y | 6.1Y | G | G | G | G | G | G | E | 2.1Y | 2.1Y | 3.8 | E | |
| 17 | 6.0Y | 2.1Y | >2.8M | 2.2Y | 3.5Y | G | G | 4.6Y | C | 4.8Y | C | 5.0Y | 7.2Y | G | G | G | G | 4.6 | G | 3.0Y | 4.2Y | 6.0Y | 4.5 | 3.0Y | |
| 18 | 2.2 | 2.7 | 3.5Y | 2.5Y | 3.0Y | 4.0Y | 4.3 | 4.5 | G | G | G | G | 5.2Y | G | G | G | 4.8Y | 3.5Y | 3.1Y | 2.3Y | 2.8Y | 4.2Y | 5.5Y | | |
| 19 | 4.0Y | 2.2Y | 3.5Y | 2.3Y | 1.5Y | G | G | G | G | 5.3Y | 5.5Y | 5.7 | 5.7Y | G | G | G | G | 5.6Y | 4.0Y | 5.9Y | 3.5Y | E | E | | |
| 20 | >2.5Y | 2.5Y | E | E | 3.1Y | G | G | G | G | 5.6 | 5.7Y | 6.3Y | G | 6.5Y | G | G | G | 4.3Y | E | 4.3Y | 2.5Y | E | | | |
| 21 | E | 3.7 | 2.3Y | 2.3Y | 2.1Y | G | G | 4.8Y | G | G | 5.5Y | G | G | 5.4Y | G | G | 8.0 | 11.5 | 9.9Y | 12.9Y | 3.6Y | 2.8Y | E | | |
| 22 | E | 2.8Y | 3.5Y | 5.0Y | 3.5Y | 4.1 | 6.0 | 5.2 | 6.0 | 12.1Y | 6.2 | 6.0 | 6.5 | 5.7 | 8.5 | G | 5.5 | 8.5 | 8.0 | 9.3 | 7.8 | 7.5 | 3.5 | E | |
| 23 | E | E | E | E | 3.5 | 5.0Y | 5.3 | 5.8 | 6.0 | G | G | G | G | 5.12Y | 5.5 | 6.2 | G | G | 4.5 | 3.7 | 3.1 | 3.1 | 4.5 | 4.5 | |
| 24 | 4.5 | 2.3 | 2.5 | 2.2Y | 2.2Y | G | G | 4.0 | G | 5.5 | 6.0 | 6.5Y | G | 5.0Y | G | G | 4.7 | 4.2 | E | E | 2.3 | 2.1 | E | | |
| 25 | E | E | E | 2.2Y | 2.2 | 3.1 | 4.0 | 4.0 | 3.5 | 4.0 | 6.5 | 5.0Y | 5.0Y | G | G | G | G | 4.2 | G | 3.5 | E | E | E | | |
| 26 | E | 2.7 | 3.7 | 3.4 | 3.7 | G | 5.0 | 5.3 | 5.2Y | 6.0Y | G | 6.1Y | G | G | 5.0Y | 5.5 | 7.5 | 9.5 | 12.0 | 6.5 | 4.2 | 8.0 | 6.5 | | |
| 27 | 4.5 | 3.5 | 3.5 | 3.7 | 3.7 | 4.5 | 9.5 | 7.1 | C | C | C | C | C | C | C | C | C | C | C | 5.0 | 6.0 | 7.8Y | 3.2Y | | |
| 28 | 5.0 | 3.5 | 3.4 | 3.1 | G | 3.5 | 6.0 | 5.5 | 5.0Y | 5.3Y | 5.0Y | 5.3 | G | 10.6 | 6.4 | 5.5 | 6.0 | 8.0 | 8.6 | 7.5 | 4.5 | 3.5 | 3.2 | | |
| 29 | 2.0 | 3.2 | 3.0 | 3.5 | 2.6 | 3.5 | G | 4.7Y | 5.0Y | 5.5Y | G | 5.0Y | 5.7 | 6.5 | 6.0 | G | 4.8 | 3.6 | 2.9Y | 3.8 | 7.0 | 3.0 | E | | |
| 30 | E | E | E | 3.5 | 3.5 | 4. | 4.2Y | 5.3 | 6.0 | 7.2 | G | 5.0Y | C | G | 5.3 | 6.0 | 13.6 | 12.7 | 5.9 | 8.0 | 7.0 | 6.0 | 3.5 | | |
| 31 | 11.7 | 6.1 | 3.2 | 2.3 | G | G | 5.0 | 6.1 | 5.2 | 6.6 | 6.5 | 9.1 | 7.3 | 6.0 | 6.0 | G | G | 3.8 | 5.5 | 4.2 | 5.0 | 3.5 | 3.5 | | |
| Mean Value | 3.9 | 3.1 | 2.9 | 2.9 | 3.0 | 3.7 | 4.9 | 5.6 | 5.8 | 6.2 | 5.6 | 5.7 | 5.8 | 6.0 | 5.7 | 6.6 | 6.3 | 7.5 | 7.0 | 5.5 | 5.1 | 4.4 | 4.1 | | |
| Median Value | 2.2 | 2.6 | 2.7 | 2.3 | 2.4 | 3.4 | 4.6 | 5.1 | 5.5 | 5.5 | 5.0 | 5.1 | 5.4 | 5.0 | 5.1 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 4.2 | 3.5 | 3.6 | | |
| Count | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 28 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | | |

fEs

fEs

Group 1.0 Mc to 22.0 Mc in 1 min

Manual Automatic

W 3

IONOSPHERIC DATA

May. 1956

foF2

135° E

Mean

Time

Akita
Lat. 38° 43.6' N
Long. 140° 08.2' E

| Day | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | |
|--------------|-------------------|-------------------|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|----------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 1 | 88 ^J | 84 | 82 | 77 | 68 | 78 | 82 | 97 | 103 | 114 ^H | C | C | C | C | C | C | 11.7 | 11.0 | 11.5 | 9.0 | 9.0 | 8.7 | 9.5 | | |
| 2 | 87 ^P | 97 | 9.2 | 6.7 | 6.4 | 6.7 | 8.3 | 78 | 82 | 89 | 88 | 86 ^{PH} | 95 | 90 ^H | 81 | 79 | 81 | 80 | 76 | 71 | 70 | 70 | 72 | | |
| 3 | 7.1 | 7.3 | 7.4 | 6.6 | 6.2 | 7.0 | 7.8 | 90 | 90 | 95 ^H | 102 ^H | 104 | 105 ^H | 11.0 | 11.5 | 11.2 | 10.7 | 10.8 ^P | 10.0 | 9.0 | 8.1 | 8.1 | 7.8 | | |
| 4 | 77 ^P | 7.7 | 7.4 | 7.0 ^V | 7.9 | 9.0 | 84 ^H | 84 | 87 | 96 | 105 | 107 | 102 | 104 | 10.0 | 10.5 | 10.4 | 10.0 | 9.5 | 8.5 ^P | 8.4 ^P | 8.2 ^P | (8.0) ^P | | |
| 5 | 76 | 8.0 | 7.7 | 7.3 | 6.8 | 7.5 | 87 | 9.9 | 10.2 | 10.8 | 106 | 102 | 11.0 | 11.0 | 105 | 105 | 101 | 90 | 85 ^P | 95 | 8.6 | 7.9 | 7.6 | | |
| 6 | 76 | 7.3 | 6.7 | 6.4 | 5.8 ^P | 6.5 ^H | 7.5 ^H | 80 ^H | 73 ^H | 80 | 88 | 91 | 91 | 94 | 88 | 89 | 85 | 89 ^J | 94 | 83 | 75 | 77 | 77 | | |
| 7 | 7.8 | 7.6 | 7.3 | 6.8 | 6.9 | 7.8 | 92 | 86 | 89 ^J | 89 | 96 | 102 | 109 | 11.0 | 105 | 102 | 102 | 102 | 103 | 9.6 | 78 | 7.1 ^{AF} | 7.7 | 7.6 ^F | |
| 8 | 76 ^{PF} | 7.7 | 7.4 | 6.6 | 6.5 | 6.9 | 79 | 95 | 107 | 103 | 105 | 107 | 11.0 | 11.0 | 11.0 | 11.0 | 106 | 102 | 102 | 102 | 9.2 | 8.4 ^J | 8.1 | (7.9) ^P | 7.6 |
| 9 | 76 | 7.5 | 7.5 | 7.3 | 7.0 | 76 | 91 | 95 | 84 ^{PH} | 91 | 10.1 | 11.0 | 11.0 | 11.0 | 105 | 105 | 100 | 90 | 90 | 92 | 10.0 | 9.0 | 8.2 ^J | 8.5 ^P | (8.0) ^P |
| 10 | 7.7 | 7.6 | 7.5 | 7.1 | 7.1 | 81 | 96 | 105 | 100 | 95 | 104 | 109 | 11.0 | 11.0 | 11.0 | 11.0 | 104 | 104 | 104 | 104 | 9.0 | 9.0 | 9.0 | 8.7 | 8.9 |
| 11 | 8.7 | 8.7 | 8.5 ^P | 85 ^P | 77 ^P | 74 | 77 | 95 | 105 | 102 | 102 | 105 | 11.4 | 11.6 | 11.8 ^P | 11.9 ^P | 11.7 | 10.9 | 10.0 | 9.0 | 9.0 | 9.0 | 9.5 | 8.9 | |
| 12 | 8.6 | 8.4 ^P | 80 ^V | 73 | 66 | 72 | 91 | 107 | 11.0 | 109 | 102 | 102 | 103 | 11.0 | 11.5 | 105 | 105 | 105 | 102 | 100 | 9.5 | 8.7 | 8.9 | 9.2 | 8.4 ^P |
| 13 | 9.5 ^P | 7.8 | 75 | 84 | 80 | 96 | 102 | 104 | 100 | 103 | 11.0 | 102 | 98 | 98 | 89 | 92 | 88 | 90 | 76 | 9.0 | 8.8 ^P | 9.1 | 8.4 ^P | 8.8 | |
| 14 | 7.9 | 6.9 | 6.5 | 6.2 | 6.2 | 6.7 | 70 | 69 | 65 | 69 | 65 | 66 | 65 | 65 | 66 | 67 | 69 | 70 | 66 | 65 | 70 | 76 | 77 | 75 | |
| 15 | 7.0 | 6.8 | 6.1 ^P | 5.8 | 5.5 | 61 | 70 | 65 | 67 | A | A | 70 | 69 | 75 | 75 | 75 | 75 | 72 | 74 | 73 | 70 ^P | 70 | 70 | 70 | |
| 16 | 7.3 | 6.8 | 6.0 ^P | 56 | 48 | 58 ^P | 64 | 64 | 62 | 61 | 69 | 65 | [68] ^A | 72 | 75 | 79 ^H | 84 | 84 ^P | (59) ^P | 61 ^K | 65 ^K | [6.0] ^A | [6.2] ^K | | |
| 17 | 5.4 ^K | 5.4 ^K | 5.2 ^K | 4.6 ^K | 4.6 ^K | 4.7 ^K | 4.5 ^K | 4.7 ^K | A ^K | A ^K | A ^K | A ^K | A ^K | 60 ^K | 61 ^K | 66 ^K | 69 ^K | 70 ^K | 69 ^K | 63 ^K | 61 ^K | 65 ^K | [6.2] ^K | | |
| 18 | 5.9 ^K | 6.5 ^K | 6.5 ^K | 4.9 ^K | 4.3 ^K | 5.0 | 64 ^K | 7.6 | 7.3 ^H | 7.1 | 80 | 85 ^P | 85 | 84 | 82 | 82 | 81 | 82 | 82 | 85 | 78 ^P | 7.7 | 7.7 | 7.7 | |
| 19 | 7.6 | 7.4 | 6.9 ^P | 6.4 | 6.0 ^J | 6.9 | 9.0 | 9.3 | 8.9 ^J | 88 ^J | 89 | 95 | 95 | 97 | 99 | 10.0 | 98 | 95 | 89 | (87) ^P | 86 ^P | 87 ^P | [8.8] ^B | 90 | |
| 20 | 8.5 | 8.5 | 7.9 | 7.7 | 7.3 | 7.6 | 7.7 | 8.5 | 88 ^P | 84 | 89 ^J | 9.3 | 95 | 10.0 | 10.3 | 10.2 | 10.5 | 98 | [93] ^A | 88 ^P | 88 ^P | 95 | 90 ^F | 9.5 ^{PF} | |
| 21 | 9.5 ^F | 8.5 ^P | 7.3 | 7.2 ^F | 6.8 ^F | 6.7 | 77 | 7.9 | 7.6 | [78] ^A | 81 | 88 ^P | 84 | [90] ^A | 9.7 | 9.2 | 9.5 | 9.5 | 88 | 85 | 76 | 75 | (78) ^F | 80 ^F | |
| 22 | 8.0 | 7.6 ^F | 7.5 | 7.1 | 6.9 | 7.5 | 91 | 95 | 104 | 95 | 95 | 95 | 96 | 102 | 101 | 102 | 96 | 96 | (102) ^P | 97 | 94 | (88) ^P | 76 | 76 | |
| 23 | 7.4 | 8.0 | 7.8 | 7.6 | 7.4 | 8.6 | 105 | 107 | 96 | 96 | 92 | 92 | 96 | 100 | 96 | 96 | 91 | 88 | 95 | 93 | 88 ^P | 84 ^P | 82 ^P | 82 ^P | |
| 24 | 8.0 | 7.5 | 7.5 | 6.9 | 7.2 | 9.4 | 10.3 | 10.1 | 9.5 | 9.1 | 11.1 | 11.4 | 11.2 | 9.9 | 85 ^J | 89 ^J | 7.9 | 78 | 88 | (100) ^P | 75 | 71 | 70 | 73 | |
| 25 | 6.9 | 7.0 | 6.1 ^J | 6.0 | 5.4 | 5.3 | 6.5 | 64 | 6.3 ^Y | 83 | 69 | 81 | 83 | 87 ^P | 84 ^J | 96 | M | M | M | M | M | 81 | 83 ^J | 77 | |
| 26 | 6.5 | 6.1 | 6.4 | 6.4 | 6.4 | 6.3 | 7.1 | 7.5 | 91 | 97 | 88 ^P | 75 ^H | 85 | 10.0 | 10.2 | 9.5 | 96 | 91 | [100] ^A | 10.5 | 8.0 | A | AF | | |
| 27 | 8.4 ^{JF} | 8.9 ^{JF} | 7.2 ^{JF} | 6.5 ^F | 7.6 | 8.3 | 7.9 | 7.5 | A | A | 90 ^J | 100 | 97 | 92 | 90 | [84] ^A | 98 | 104 | 89 ^F | 78 ^F | [78] ^{AF} | 80 ^F | | | |
| 28 | 9.0 ^{JF} | 8.0 | 7.6 | 7.2 | 7.4 | 8.6 | 87 | 9.4 | 9.7 | 84 | 77 | 80 | 93 | 104 | 105 | 11.0 | 98 | 85 | 80 | A | A | 78 | 78 ^P | | |
| 29 | 7.6 | 7.6 | 7.3 ^F | 6.8 | 6.9 | 8.0 | 10.2 | 8.5 | 8.1 | 82 | 89 | 86 | 9.4 | 9.9 | 9.8 | [92] ^C | 86 ^J | 87 | 91 | 90 | 85 | 84 ^J | 84 ^P | | |
| 30 | 8.4 ^P | 7.9 ^P | 7.6 | 7.1 | 7.5 | 9.5 | 8.5 | 6.7 | 66 | 80 | [77-78] ^B | 74 ^P | 75 | 80 | 78 | 76 | 72 | 72 | 67 ^P | 71 ^F | 71 ^F | 71 ^F | 71 ^F | | |
| 31 | 7.1 | 7.1 | 6.7 | 6.4 | 5.8 | 6.6 | 8.0 | 74 | 6.0 | A | A | 74 | 74 | 75 | 76 | 80 | 76 | 76 | 70 | 70 | 75 | 71 ^F | 71 ^F | | |
| Mean Value | 7.8 | 7.6 | 7.2 | 6.8 | 6.5 | 7.2 | 8.4 | 8.8 | 86 | 88 | 89 | 92 | 94 | 9.4 | 9.5 | 9.2 | 9.1 | 89 | 8.3 | 8.0 | 7.9 | 7.8 | | | |
| Median Value | 7.7 | 7.6 | 7.4 | 6.8 | 6.8 | 7.5 | 87 | 92 | 89 | 88 | 90 | 92 | 95 | 100 | 98 | 96 | 92 | 90 | 90 | 86 | 80 | 7.8 | 7.8 | | |
| Count | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 27 | 26 | 28 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |

foF2

Sweep 0.85 Mc to 22.0 Mc in 2 min

Manual

Automatic

A 1

IONOSPHERIC DATA

May. 1956 ·

R'F2

135° E Mean Time

| Day | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | |
|--------------|--------------------|------------------|--------------------|------------------|------------------|--------------------|--------------------|------------------|------------------|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|------------------|--------------------|--------------------|------------------|------------------|--------------------|--------------------|-------|
| 1 | 310 | 300 | 250 | 310 | 250 | 250 | 300 | A | A ^H | A ^H | 250 ^H | A ^H | 310 ^H | 310 ^H | 270 ^H | 270 ^H | 270 ^A | 270 ^A | [280] ^A | 280 | 330 | 340 | 350 ^A | | |
| 2 | 340 ^A | 310 | 260 | 280 | 350 | 320 | 300 | 360 | 380 | 390 | 360 | 360 ^H | 360 | 330 ^A | 330 | 340 | 340 | 340 | 340 | 330 ^A | 330 | 290 | 270 | 290 | 310 |
| 3 | 350 | 340 | 300 | 280 ^F | 290 | 280 | 250 | 250 ^H | 270 ^L | 260 | 250 ^H | 270 | 300 ^H | 300 | 340 | 340 | 310 ^L | 310 ^L | 310 ^L | 310 ^L | 310 ^A | 310 ^A | 300 | 290 | 320 |
| 4 | 340 | 370 | [330] ^A | 290 | 320 | 290 | 260 | 250 ^H | A | A | 330 ^A | 320 | 340 | 330 | 350 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 360 | |
| 5 | 380 | 360 | 300 | 270 | 280 | 270 | 270 | 270 | 270 | 270 | 270 | 260 ^H | 260 | 350 | 350 | 380 | 350 | 330 | 340 | 320 | 320 | 300 | 290 | 280 | 320 |
| 6 | 340 | 300 | 310 | 360 | 410 | 310 | 270 ^H | 260 ^H | 260 ^H | 270 | 370 | 350 | 370 | A | A | 360 ^A | 360 ^A | 360 ^A | 360 ^A | [360] ^A | 360 ^A | 300 | 330 | 370 ^A | |
| 7 | 320 | 330 | 300 | 310 | 330 | 280 | 290 ^L | 290 | 360 ^A | 350 ^L | 350 | 350 | 380 | 320 | 350 | 350 | 340 | 340 | 340 | 310 | 320 ^A | 270 | 260 | A | 350 |
| 8 | 340 ^F | 330 ^F | 300 | 300 | 300 | 270 | 250 | 270 | 290 | 330 | 320 ^L | 370 | 380 | 370 | 350 | 350 | 320 | 320 | 320 | 310 | 310 | 310 | 310 | 350 | |
| 9 | 320 | 340 | 320 | 290 | 300 | 270 | 280 | 290 | 300 ^A | 310 ^A | 390 | 400 | 350 | 350 | 340 | 340 | [330] ^L | 330 ^A | 330 ^A | 330 ^A | 330 ^A | 330 ^A | 300 | 320 | 310 |
| 10 | 310 | 310 | 320 | 340 | 290 | 280 | 300 ^L | 300 ^L | 370 | 410 | 370 | 370 | 370 | 370 | 370 | 370 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 320 | |
| 11 | [320] ^A | 320 | 300 | 270 | 330 ^A | 270 | 280 | 300 | A | A | A | A | 410 | 370 | 370 | 370 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | |
| 12 | 350 | 320 | 300 | 270 | 300 | 270 | 250 | 270 | 290 | 330 | 320 ^L | 370 | 410 | 370 | 370 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 350 | |
| 13 | 320 | 310 | 360 | 340 | 370 ^A | 370 ^A | 310 | 320 ^A | 370 | 380 | 400 | 330 | 410 | [370] ^C | 370 | C | C | C | C | C | C | C | C | C | |
| 14 | C | C | C | C | C | C | C | C | C | C | C | C | 540 | 480 | 550 | 450 | 410 | 420 | 350 | 350 | 340 | 320 | 310 | 340 | 320 |
| 15 | 350 | 310 | 290 | 350 | 460 | 440 | 400 | 520 ^A | 500 | A | A | A | 470 | 470 | 470 | 470 | 470 | 470 | 370 ^L | 370 ^L | 370 ^L | A | A | 360 | 530 |
| 16 | 310 | 320 | 320 | 370 | 460 | 480 ^L | 480 ^L | 540 | 540 | 470 | (450) ^L | [460] ^A | 460 | 470 | 470 | 470 | 470 | 470 | 450 | 450 | 370 | 330 | 300 | 260 ^K | 350 K |
| 17 | A ^K | 390 ^K | 340 ^K | 450 ^K | 560 ^K | 480 ^K | A ^K | A ^K | A ^K | A ^K | A ^K | A ^K | 500 ^K | 470 ^K | 460 ^K | 460 ^K | 460 ^K | 460 ^K | 370 ^K | [320] ^K | 350 ^K | 350 ^K | [370] ^K | | |
| 18 | 390 ^K | 330 ^K | 280 ^K | 280 ^F | 320 ^K | 320 ^K | L | K | 400 ^K | 400 ^K | 370 ^H | 440 | 440 | 370 | 400 | 370 | 370 | 370 | 370 | 290 | 290 | 280 | 320 | 320 | |
| 19 | 300 | 300 | 290 | 300 | 350 | 320 ^L | 300 ^L | 300 ^L | 370 ^L | 370 | 370 | 370 | 370 | 370 | 370 | 370 | 370 | 370 | 370 | 370 | 370 | 370 | 370 | 310 | |
| 20 | 300 | 330 | 310 | 290 | 300 | [300] ^L | 300 | 270 | 270 | 340 | 400 | 410 | 380 | 420 | 390 | 370 | 370 | 370 | 370 | 370 | 370 | 370 | 370 | 370 | |
| 21 | 340 | 300 | A | A | 390 | A | A | 340 | A | 350 ^L | [370] ^A | 370 | 380 | 450 | [460] ^A | 360 | 330 | 330 | 320 | [310] ^A | 300 | 290 | 350 | [360] ^A | |
| 22 | (40) ^A | 350 | 330 | 340 | 270 | 300 | 310 | 290 | 330 | 340 ^A | 350 | 370 | L | A | A | 340 | 340 | 340 | 340 | 340 | A | A | 300 | 300 | |
| 23 | 340 ^F | 340 | 290 | 300 | 270 | 260 | 250 | 300 | 270 | 270 | L | L | 380 | 350 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | |
| 24 | 300 | 310 | 340 | 320 | 330 | 300 | 280 | 310 | 300 | 440 | 370 | 370 | 370 | 370 | 370 | 370 | 370 | 370 | 370 | 370 | 370 | 370 | 370 | 350 | |
| 25 | 340 | 310 | 280 | 340 | 360 | 470 | 450 | 450 | 450 | L | 370 | 370 | 370 | 370 | 370 | 370 | 370 | 370 | 370 | 370 | 370 | 370 | 370 | 320 | |
| 26 | 290 | 290 | 320 | 330 | 370 ^A | 330 | (330) ^A | 320 | 300 | 320 | A ^H | 370 | 370 | 370 | A | 340 ^A | 340 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | |
| 27 | 350 ^F | 300 ^F | 300 | 310 | 300 ^A | 270 | 300 | 280 ^A | A | A | A | A | 330 | 330 | A | A | A | A | A | A | A | A | A | 360 ^A | |
| 28 | 320 ^A | 300 | 290 | 290 | 260 | 290 | 270 | 270 | 270 | 270 | 270 ^L | [300] ^L | 410 | 380 | 350 | [320] ^A | 300 | 290 | 280 | 280 | 280 | 280 | 280 | 280 | |
| 29 | 310 ^A | 310 | 290 | 300 | 300 | 290 | 280 | 280 | 270 | 270 | 270 | 270 | 320 | 320 ^L | 320 | [300] ^C | 310 | 290 | 290 | 290 | 290 | 290 | 290 | 290 | |
| 30 | 310 ^F | 300 ^F | 310 | 290 ^F | 340 | 340 | 340 | 340 | 270 | A | A | 510 | [390] ^B | 360 | [360] ^A | 360 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 340 ^F | |
| 31 | 350 ^A | 310 ^F | 300 | 310 | 300 ^A | 270 | A | A | A | A | A | 460 | A | 390 | 360 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | [340] ^A | |
| Mean Value | 330 | 320 | 310 | 340 | 320 | 320 | 320 | 340 | 350 | 350 | 350 | 350 | 370 | 370 | 370 | 350 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | |
| Median Value | 340 | 310 | 300 | 330 | 290 | 300 | 300 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | |
| Count | 29 | 30 | 29 | 29 | 30 | 27 | 29 | 26 | 26 | 21 | 22 | 23 | 26 | 26 | 28 | 28 | 30 | 28 | 28 | 23 | 24 | 26 | 27 | 28 | |

Sweep 2.85 Mc to 22.0 Mc in 2 min

Lat. 39° 43'.5' N Long. 140° 08.2' E

R'F2

R'F2

A 2

A 2

IONOSPHERIC DATA

May. 1956

fEs

135° E

Mean

Time

Akita

Lat. 39° 43.6' N
Long. 140° 08.2'E

| Day | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | | | | | | |
|--------------|------|------|-------|------|-------|------|------|-----|------|------|------|-------|------|-------|-----|------|------|------|------|------|------|-------|------|------|------|-----|----|----|--|--|
| 1 | 2.4 | 2.4 | 2.5 | 2.5Y | E | 2.9 | 4.4 | 7.9 | 9.5 | 6.4 | 6.9 | G | 5.7 | 5.5Y | 4.6 | 4.1Y | 6.1 | 7.0 | 5.7 | 8.1 | 2.9 | 3.0 | 2.3 | 3.2 | | | | | | |
| 2 | 4.5 | 3.5 | 2.5 | 3.2 | 2.5F | 3.2Y | G | 4.7 | 5.7 | 5.8 | 5.7 | G | 4.9 | G | 5.7 | G | 6.5 | 6.6 | 6.4 | 3.5 | 2.5Y | E | E | E | | | | | | |
| 3 | 3.6 | 3.6 | 3.0F | 2.9 | 2.5F | 3.0Y | G | G | 5.2 | 5.5 | 5.5 | G | 5.8 | 9.6 | 4.3 | G | 4.5 | 6.7 | 4.5 | 4.5 | 3.7 | 2.6 | 2.3 | 2.3 | | | | | | |
| 4 | 2.3F | 8.8 | 7.2 | 2.5 | 2.4F | 2.5F | G | 4.8 | 6.7 | 6.2 | 6.1 | G | 6.2 | 5.2 | 6.3 | G | 4.5 | 5.7 | 4.8 | 3.5 | 4.5 | 3.7 | 3.7 | 3.6F | | | | | | |
| 5 | 3.0 | 2.8 | 2.5 | E | 3.2 | 3.0F | 4.2 | G | 4.8 | 5.0 | 5.2 | 4.2 | G | 5.0 | 4.7 | G | 4.5 | G | 3.4 | 3.6 | 2.5 | 2.7 | 4.3 | 3.2 | | | | | | |
| 6 | E | 2.4Y | 3.1F | 2.1F | 2.5F | 2.6F | 2.5F | G | 6.0 | G | 5.9 | 5.2 | G | 6.4 | 8.0 | G | 5.0 | 8.2 | 8.7 | 6.5 | 5.5 | 3.6Y | 4.6 | 7.2 | | | | | | |
| 7 | 2.6Y | 2.4 | 2.2 | 2.5 | E | 7.0Y | G | 5.0 | 6.9 | 7.3 | 9.2 | G | G | G | G | G | G | G | 7.6 | 6.5 | 8.0 | 4.5 | 3.2 | 8.0 | 7.0 | 7.4 | | | | |
| 8 | 7.2F | 4.6F | 2.7F | 4.2F | 3.5F | 3.1F | G | 5.0 | 5.8 | 5.7 | 4.5 | G | 4.5 | 4.7 | 6.5 | G | 4.5 | 4.5 | 6.5 | 6.5F | 6.5 | 6.5 | 2.9 | 3.7 | | | | | | |
| 9 | 2.5F | 2.5 | 2.8F | 2.5F | 2.5F | 3.1F | '44 | 5.8 | 5.8 | 6.4 | 6.7 | G | 5.2 | 5.4 | G | G | 6.5 | 6.5 | 8.7 | 7.2 | 5.1 | 3.8 | 3.5 | 3.0 | | | | | | |
| 10 | 3.2 | 2.4F | 2.3F | 2.5 | 2.5 | 3.2 | G | G | 5.4 | 4.6 | 6.5 | 10.3Y | 6.8 | 6.9 | 6.9 | G | 6.3 | 6.1 | 8.2 | 9.0 | 10.5 | 7.0 | 5.6 | 4.5F | 4.5 | | | | | |
| 11 | 10.0 | 3.0F | 2.5F | 2.5F | 5.2 | 4.6 | 4.8 | G | 6.8 | 7.8 | 8.3 | 10.1 | 10.2 | 10.2 | 4.5 | G | 4.5 | 6.5 | 5.8 | 5.0 | 6.5F | 4.5 | 4.2 | 4.5F | | | | | | |
| 12 | 6.5F | 6.5F | 3.5F | 3.0F | 3.0F | 2.9F | G | G | G | G | 5.9 | 4.5 | 5.6 | 5.9 | 6.7 | 5.0 | 3.8 | G | 2.2 | 2.7F | 6.5 | 4.5 | 3.2 | | | | | | | |
| 13 | 4.1F | E | 2.1YF | 2.8 | 4.7F | 6.9 | 6.9 | G | 5.4 | 5.7 | G | G | G | C | C | C | C | C | C | C | C | C | C | | | | | | | |
| 14 | C | 4.6 | 4.5 | 4.5 | 4.5 | 4.5 | 5.5Y | 5.8 | 4.7 | 5.5 | G | G | G | G | G | G | 5.7 | 6.5 | 5.5 | 3.0F | 2.5 | 3.0 | 4.2F | 4.3F | | | | | | |
| 15 | E | 2.5F | E | E | 3.3 | 4.8 | 6.6 | 7.7 | 9.0 | 10.3 | 7.5 | G | 9.2 | G | G | G | 5.6 | 6.4 | 7.5 | 6.7 | 3.3 | 2.3 | 2.0 | | | | | | | |
| 16 | 2.2 | 2.4F | 2.2F | 3.1Y | 2.5F | 4.0 | 4.2 | 4.7 | 6.5 | 5.9 | 5.8 | 6.5 | 7.9 | 4.4 | G | G | G | G | 3.0Y | 3.5 | 2.2 | 6.5 | 3.1 | 6.4 | | | | | | |
| 17 | 4.4F | 2.5F | 2.5 | 3.1 | 2.5 | 3.5 | G | 4.7 | 6.4 | 5.9 | 5.9 | G | 7.0 | 7.0 | 6.6 | G | 4.5 | G | 3.1 | 3.0 | 4.5 | 4.1 | 2.9 | 10.0 | | | | | | |
| 18 | 4.5F | 2.6 | 2.1F | 2.5F | 3.3F | 2.7Y | G | G | 6.3 | 6.5 | 6.4 | 5.9 | 7.5 | G | 4.6 | B | G | G | G | G | E | 2.4Y | 2.4 | 2.6 | | | | | | |
| 19 | 3.1 | 3.0 | 2.5 | 2.9 | 2.4YF | 2.5F | G | G | G | G | G | G | G | G | G | G | 5.4 | G | 3.8Y | 4.6 | 4.5 | 4.2 | 8.9 | 6.7 | 5.4F | | | | | |
| 20 | 3.1 | 3.3 | E | E | E | 2.5 | G | G | G | G | G | G | G | G | G | 5.3 | G | 5.4 | 6.7 | 11.2 | 10.0 | 24 | E | ZI | 2.4 | | | | | |
| 21 | 8.7 | 6.7Y | 5.4F | 8.8F | 4.5F | 7.0 | 5.4 | 7.7 | 5.5 | 7.9 | G | 54 | 50 | >117C | G | G | G | 51 | 8.4 | 55 | 3.0 | 4.0 | 17.0 | 5.0 | | | | | | |
| 22 | 9.4 | 6.5 | 4.9F | 4.5F | 4.0F | 4.6F | 5.5 | 5.8 | 7.5 | 7.5 | 5.5 | 11.0Y | 7.6 | 10.9 | 8.4 | 7.5 | 6.2 | 6.5F | 11.0 | 9.4 | 6.4Y | 11.3Y | 10.0 | 7.5 | | | | | | |
| 23 | 3.0 | 3.1 | 3.3 | 2.5 | 3.0 | 4.9 | 5.3 | 6.3 | 6.0 | 6.0 | 6.0 | G | 53Y | 6.5 | 6.5 | G | 4.6 | G | 3.8 | 3.9 | 4.4F | 6.6 | 3.8 | 4.2 | 5.4 | | | | | |
| 24 | 3.4 | 2.5 | 2.5 | 4.1F | 2.9F | 2.5 | 33Y | G | G | G | G | G | G | G | G | 5.3 | 4.9 | G | 5.5 | 7.3 | 6.5 | 7.5 | 3.0 | 4.7 | 2.4 | | | | | |
| 25 | 2.5 | 2.5 | 2.5F | 3.0 | 2.5F | 3.6 | 4.4 | 51 | 50 | 5.0 | 8.4 | G | 50 | 6.7 | 6.0 | M | M | M | M | M | M | M | 5.0 | 3.5 | 2.9 | | | | | |
| 26 | 2.4Y | 2.9 | 2.8 | 3.4F | 4.1 | 4.9 | 5.5 | 61 | 6.6 | 5.7Y | 6.0 | 5.5Y | 65 | 51Y | 7.2 | 6.5 | 13.5 | 11.6 | 11.6 | 9.0 | 8.7 | 11.6 | 7.9 | | | | | | | |
| 27 | 5.2 | 5.4 | 3.3 | 5.5F | 3.1F | 2.5F | 53 | 62 | 7.6 | 10.5 | 11.6 | 8.5 | 10.0 | 7.0 | 6.5 | 6.8 | 11.2 | 11.2 | 11.2 | 7.7 | 7.8 | 10.5F | 6.5F | | | | | | | |
| 28 | 5.0F | 4.6 | 2.5F | 2.9F | 2.5F | G | G | 7.1 | 10.0 | 7.4 | 7.7 | 7.2 | 4.3 | 4.5 | 8.6 | G | C | 4.5 | 5.5 | 5.5 | 11.5 | 11.5 | 9.0Y | 6.5 | | | | | | |
| 29 | 5.5Y | 1.75 | 2.9F | 3.9F | 3.2 | 3.0F | 4.3 | 5.5 | 6.0 | 7.0 | 4.6 | 4.5 | 4.6 | 4.4 | 6.1 | C | 4.6 | 5.0 | 3.5 | 5.1 | 6.1 | >54C | 4.5F | | | | | | | |
| 30 | 4.5F | 3.5F | 2.2F | 3.5F | 3.5F | 4.2 | 5.2 | 6.5 | 6.5 | 6.6 | 4.5 | B | 6.8 | 8.8 | 7.5 | 5.9 | 6.0 | 4.5 | 4.4 | 4.5 | 4.5 | 8.8 | 5.5 | 4.5 | | | | | | |
| 31 | 6.2Y | 4.5F | 4.1F | 4.0F | 3.5F | 3.1 | 3.1 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | | |
| Mean Value | 4.5 | 3.9 | 3.1 | 3.4 | 3.1 | 3.6 | 5.0 | 5.8 | 6.4 | 6.6 | 6.9 | 6.7 | 6.3 | 6.6 | 6.7 | 5.8 | 6.4 | 6.4 | 6.5 | 5.8 | 5.0 | 5.5 | 5.0 | 4.9 | | | | | | |
| Median Value | 3.5 | 3.0 | 2.5 | 2.5 | 3.1 | 4.2 | 5.0 | 6.0 | 5.9 | 5.9 | 5.3 | 4.8 | 5.6 | 4.9 | 4.2 | 4.9 | 5.6 | 5.7 | 4.6 | 4.5 | 4.3 | 4.2 | 4.5 | | | | | | | |
| Count | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | | |

fEs

0.85 Mc to 22.0 Mc in 2 min
Mean 5.0 Median 4.2 Count 30
Automatic Manual

IONOSPHERIC DATA

May, 1956

135° E Mean Time

f₀F2

| | | Kokubunji Tokyo | | | | | | | | | | | | | | | | | | | | | | |
|--------------|-------------------|--|--------------------|------------------|------------------|-------------------|-------------------------------------|--------------------|--------------------|-------------------|--------------------|-------------------|-------------------|-------------------|-------------------|---------------------|------------------|-------------------|---------------------|---------------------|--------------------|---------------------|------------------|--------------------|
| | | Lat. 35° 42.4' N Long. 139° 29.3' E | | | | | | | | | | | | | | | | | | | | | | |
| Day | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 1 | 9.5 | 9.9 ^F | 9.3 | 8.8 | 6.5 | 8.5 | 8.4 ^H | 9.1 | 10.5 ^H | 11.9 ^H | 13.8 | 14.5 | 14.7 | 14.9 | 14.5 | 13.8 | 12.8 | 12.0 | 12.6 | 12.0 | 9.0 | 9.3 | 9.8 | |
| 2 | 9.8 | 10.0 | 10.9 | 6.9 | 6.2 | 6.7 ^{HF} | 8.7 | 8.9 | 8.2 | 8.8 | 9.9 | 10.8 ^P | 10.6 | 8.9 | 8.1 | [8.6]A | 9.0 | [8.3]C | 7.6 | 7.2 | 7.3 | 7.3 | 7.7 | |
| 3 | 7.5 | 8.0 | 8.0 | 7.1 | 6.3 | 7.2 | 8.4 | 8.5 | 8.6 ^H | 9.1 | 10.0 | 9.9 | 11.0 | 12.1 ^H | 12.3 ^H | 11.9 | 12.5 | >10.8 | 8.9 | 9.0 | 9.0 | 9.0 | 9.0 | |
| 4 | 8.6 | 8.5 | 8.3 | 7.3 | 7.3 | 7.2 | 8.0 | 8.8 | 8.5 ^H | 8.7 | C | C | 12.0 | [11.8]A | 11.7 | 11.0 | 11.5 | [11.0]A | 10.9 ^P | 9.6 | 8.4 | 8.3 | 8.0 ^F | |
| 5 | 7.5 ^F | 7.8 | 8.0 | 7.7 | 6.8 | 7.6 | 9.0 | 10.0 | 10.9 | 11.7 | 11.5 ^H | 12.3 ^H | 12.6 | 12.5 | 13.3 | 12.5 | 12.1 | 11.1 | 9.8 | 10.0 | 9.0 | 7.9 | 7.9 | 7.2 |
| 6 | 7.5 | 7.1 | 6.5 | 6.1 | 5.8 | 6.4 | [7.4] ^c | 8.4 | 8.3 | 8.8 | (9.0) ^T | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 7 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | A | A | A | A | 8.2 | 8.0 | 7.9 |
| 8 | 7.9 | 8.0 | 7.9 | 6.5 | 6.0 ^F | 6.7 | 7.6 | 7.0 | 10.0 ^H | 10.5 | 9.9 ^H | 10.5 | 11.5 ^P | 12.3 | 12.5 | 12.0 | 12.0 | 10.9 | 10.7 | 10.4 | 10.0 | 8.5 | 8.5 | 8.5 |
| 9 | 8.2 | 7.5 | 7.3 | 7.4 | 6.8 | 7.2 | 9.0 | 9.6 | 9.0 | 8.7 | 9.6 | 10.9 ^P | 11.7 | 11.6 ^P | 11.5 | 10.0 | 9.4 | [10.1]J | 10.8 ^P | 10.0 | 8.5 | 8.6 | 9.0 | 8.5 |
| 10 | 8.3 | 8.3 | 7.9 | 7.5 | 7.4 | 8.5 | 9.9 | 10.0 | 9.6 | 9.4 ^H | 9.8 ^H | 10.4 ^P | 11.5 | 12.0 | 12.1 | 12.1 | 11.4 | 11.4 | 10.8 ^P | 10.0 | 9.4 | 9.8 | 10.7 | |
| 11 | 10.8 | 9.9 ^P | 10.0 | 8.5 | 7.2 | 8.0 | 9.5 | 10.0 | 9.8 | 9.7 | 11.0 ^C | 12.2 | 12.7 | C | C | C | C | 11.0 ^J | 12.0 | (10.2) ^J | 10.5 | 9.5 | 8.4 | 8.5 |
| 12 | 8.7 | 9.0 | 7.9 | 7.0 | 6.9 | 6.7 | 8.7 | T | T | T | 10.0 ^H | 10.2 | 10.5 ^H | 10.6 ^H | 12.2 ^H | 10.5 | 10.5 | 10.1 | 10.8 | 9.4 | 8.7 | 9.2 | 9.7 | |
| 13 | 9.6 | 8.6 | 8.0 | 8.5 | 8.5 | 9.5 | 9.5 | 10.7 | 10.6 ^H | 10.7 ^H | 10.8 ^H | 11.3 ^H | 10.7 ^H | 10.6 ^H | 10.3 ^H | 10.0 ^H | 9.8 ^H | 9.6 ^H | 8.2 | 8.6 | 9.0 | 9.2 | 8.7 | |
| 14 | 9.5 | 7.6 | 7.0 | 5.9 | 6.6 ^F | 8.0 ^P | 7.9 | 7.5 | 7.1 | 7.5 | 7.0 | 6.5 | 7.2 | 7.4 | 7.5 | 7.2 | 7.2 | 7.2 | 7.0 | [17.5]A | 8.0 | 7.9 | 7.4 | 7.3 |
| 15 | 7.0 | 7.2 | 6.6 | 6.0 | 5.7 | 6.6 ^H | 7.0 | 6.5 | (6.4) ^J | 6.9 | 7.6 | 8.0 | 7.7 | 7.9 | 8.5 | 8.2 | 8.0 | 8.2 | 7.8 | 7.7 | 7.4 | 7.3 | 7.5 | 7.2 |
| 16 | 8.2 | 6.9 | 7.0 | 5.9 | 6.0 | 6.0 ^H | 6.7 | [6.6]A | 6.6 | 7.1 | 7.5 | 7.8 ^J | 7.0 | 8.0 | 8.6 | 8.9 | 9.0 | 9.5 | 9.7 | 8.7 | 8.6 ^K | [6.6]T ^K | 6.6 ^K | 6.5 ^K |
| 17 | 6.0 ^K | 6.2 ^K | 6.0 ^K | 5.4 ^H | 6.0 ^K | 5.5 ^H | 5.7 ^E (5.0) ^R | 5.5 ^K | A | A | A | 6.2 ^K | 6.5 ^K | 6.4 ^K | 7.0 ^K | 7.6 ^K | 8.0 ^K | 8.3 ^K | 8.5 ^K | 6.9 ^K | [6.6] ^K | 6.4 ^K | 6.6 ^K | |
| 18 | 5.9 ^K | 6.2 ^K | 6.5 ^K | 5.5 ^K | 4.2 ^E | 5.0 ^H | 6.6 ^K | 7.5 | 7.8 | 8.0 | 8.6 | 9.6 | 9.2 | 9.4 | 9.0 | 8.6 | C | C | C | C | C | 8.1 | 8.1 | 8.2 |
| 19 | 8.2 | 7.5 | 7.0 | 6.6 | 6.4 | 7.0 | 9.2 | 9.2 | 2.1 ^H | 8.9 ^H | 9.3 ^H | 10.0 ^H | 10.3 | 10.4 | 11.4 | 11.3 | 10.0 | 9.4 | 9.2 | 9.2 | 9.1 | 9.2 | 9.0 | 9.3 |
| 20 | 8.5 | 8.6 | 8.2 ^P | 7.9 | 7.6 | 7.5 | 7.9 | 9.0 | [9.0]C | 9.1 | 9.6 | 10.1 | 10.5 | 10.7 | 11.2 | 10.8 | 10.8 | 10.3 | 10.3 | 9.5 | 9.0 | 9.2 | 9.4 | (8.8) ^F |
| 21 | >20 ^F | >8.5 ^F | (6.9) ^F | 7.4 ^F | 7.2 ^F | 6.2 ^F | 8.3 | (7.9) ^H | 7.2 | [8.3]A | 9.4 | 7.1 | 10.8 | 10.5 | 10.2 | 10.2 | 10.8 | 10.2 | 9.2 | 8.7 | [8.2]A | 7.6 | 8.1 | 8.3 |
| 22 | 8.5 | 8.2 | 8.0 | 7.9 | 7.3 | 7.5 | 8.7 | 10.3 | 10.0 | 10.3 | 10.0 | 10.0 | 10.9 | 11.0 | 10.5 | 10.8 | 10.7 | 10.6 | 10.6 | 10.3 ^J | 9.2 | 8.7 | 9.5 | |
| 23 | 8.9 | 8.9 | 8.5 | 7.4 | 7.2 | 8.5 | 10.3 | 10.6 | 10.2 | 10.3 | 10.5 ^H | 10.2 ^H | 10.7 | 10.8 | 11.3 | (11.5) ^J | 10.6 | 9.7 | 9.9 | 10.5 | 9.8 | 8.6 | 8.0 ^F | 8.9 |
| 24 | 8.5 | 8.0 | 7.2 | 7.2 | 7.5 | 8.8 | 10.2 | 10.4 | 9.4 | 10.0 | 10.7 | 12.1 | 11.4 | 11.2 | 9.7 | 10.5 | 9.5 | 9.3 | 9.3 | 10.4 | 6.7 | 7.0 | 7.3 | 7.9 |
| 25 | 7.5 | 7.6 | 7.2 | 7.0 | 6.6 | 6.5 ^H | 7.5 | 7.6 | [7.6]A | 7.5 | 7.6 ^H | 8.1 ^H | 8.8 | 9.7 | 9.5 | 10.0 | 9.8 | 10.1 | 9.4 | 9.3 | 8.1 | 8.3 | 8.6 | 7.8 ^I |
| 26 | 6.8 | 7.3 | 7.4 | 7.4 | 7.0 | 7.7 | 9.8 | 10.1 | 10.3 | 9.8 | 8.7 | 9.2 | 10.8 | 10.8 | 10.6 | 10.1 | 10.3 | 11.8 ^J | (12.3) ^J | 10.5 | 9.0 | 8.7 | 8.3 | |
| 27 | 8.5 ^F | 9.5 ^F | 9.2 ^{PP} | 7.5 | 7.5 | 8.0 | 8.5 | 7.4 | 8.0 | 8.1 | 8.7 | 8.1 | A | A | A | A | 10.3 | 10.1 | 12.8 | 11.0 | 11.8 ^J | 9.5 | 8.2 | 8.6 |
| 28 | 9.5 ^F | 10.1 ^F | 8.3 ^F | 8.0 ^F | 7.4 ^F | 8.6 | 8.7 | 9.7 | 9.2 | 8.8 | 8.5 | 8.7 | 10.4 | 11.5 ^P | 12.0 ^J | 11.0 | 10.3 | 9.0 | 9.0 | 9.1 | 8.1 | 8.0 | 8.2 | |
| 29 | 8.0 | 8.4 | 7.4 ^{JF} | 7.0 ^F | 7.5 ^F | 8.0 | C | C | 8.5 | 8.9 | 9.8 | 9.9 | 10.3 | 10.7 | 10.8 | 10.0 | 9.5 | 9.5 | 10.0 | [19.4]A | 8.8 | 8.6 | 8.6 | 8.6 ^F |
| 30 | 8.5 | (8.7) ^F | 8.3 ^{JF} | 8.7 ^F | 8.0 ^F | 7.6 | 9.5 | 8.9 | 7.5 ^H | 6.1 ^J | 7.0 | 8.8 | 8.5 | 8.7 | 8.6 | 8.9 | 8.7 | 8.8 ^J | 8.5 | 7.3 | 7.0 | 6.9 | 7.0 ^F | 7.6 ^F |
| 31 | 7.8 ^{JF} | 7.5 | 7.0 | 6.5 ^F | 6.0 ^F | 6.8 | 8.4 | 7.6 | 6.5 | M | 7.7 | 8.2 | 8.8 | 8.9 | 9.1 | 8.6 | 8.6 | [8.0]B | 7.5 | 7.0 | 7.5 ^F | 7.5 | 7.4 | |
| Mean Value | 8.3 | 8.2 | 7.8 | 7.2 | 6.8 | 7.4 | 8.4 | 8.7 | 8.7 | 9.0 | 9.4 | 9.8 | 10.2 | 10.5 | 10.6 | 10.4 | 10.0 | 9.6 | 9.9 | 9.3 | 8.4 | 8.2 | 8.3 | |
| Median Value | 8.4 | 8.1 | 7.9 | 7.2 | 6.8 | 7.5 | 8.7 | 9.0 | 8.8 | 8.9 | 9.6 | 9.8 | 10.5 | 10.8 | 10.6 | 10.0 | 10.1 | 9.8 | 9.6 | 9.5 | 8.2 | 8.6 | 8.3 | |
| Count | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 28 | 27 | 28 | 31 | 29 | 28 | 30 | 29 | 28 | 28 | 28 | 28 | 29 | 30 | 30 | |

f₀F2

Start 1.0 Mc to 17.2 Mc in 2 min

K 1

Automatic

May. 1956

IONOSPHERIC DATA

ApF2

135° E Mean Time

Kokubunji Tokyo
Lat. 35° 42.4' N
Long. 139° 29.3' E

| Day | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | | |
|-----|--------------------|--------------------|--------------------|------------------|------------------|------------------|--------------------|--------------------|--------------------|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|--------------------|------------------|--------------------|------------------|-----|
| 1 | 380 | 360 ^F | 360 | 320 | 340 | 310 | 390 ^H | 310 | 360 | 390 ^H | 360 | 340 | 330 | 330 | 350 | 350 | 350 | 350 | 330 | 330 | 330 | A | 430 | 420 | | |
| 2 | 400 | 370 | 310 | 370 | 450 | 480 ^F | 400 | 320 | 400 | 400 | 370 | 360 | 390 | 370 ^F | 330 | 350 | 320 ^A | 300 | 310 ^G | 320 | 380 | 390 | 410 | | | |
| 3 | 380 | 380 | 330 | 340 | 310 | 300 | 350 ^H | 330 | 340 | 320 | 380 | 390 | 390 ^H | 370 ^H | 360 ^H | 350 | 330 | 330 | B | 320 | 410 | 410 | 400 | 400 | | |
| 4 | 400 | 380 | 360 | 370 | 390 | 360 | 280 | 320 ^H | 320 | C | 370 | (380) ^H | 400 | 370 | 370 | 360 ^H | (340) ^A | 320 ^I | 320 | 370 | 370 | 360 | 410 | 400 | 420 ^F | |
| 5 | 460 ^F | 450 | 350 | 390 | 400 | 370 | 370 | 360 | 380 | 370 | 380 ^H | 400 ^H | 380 | 350 | 390 | 360 | 350 | 360 | 340 | 330 | 350 | 360 | 360 | 450 | 430 | |
| 6 | 410 | 370 | 400 | 450 | 490 | 480 | 420 ^H | 420 | 350 | 370 | 330 | T | C | C | C | C | C | C | C | C | C | C | C | C | | |
| 7 | C | C | C | C | C | C | C | C | C | C | 390 | 380 | 410 | 410 ^P | 390 | 380 | A | A | A | A | A | A | 410 | 430 | 420 | |
| 8 | 400 | 390 | 330 | 330 | 400 ^F | 330 | 290 | 350 | 350 ^H | 360 | 400 ^H | 410 | 420 ^P | 390 | 370 | 380 | 370 | 350 | 330 | 330 | 380 | 410 | 410 | 400 | | |
| 9 | 390 | 400 | 380 | 360 | 370 | 360 | 340 | 310 | 320 | 400 | 400 | 410 ^P | 380 | 380 ^P | 380 | 380 | A | A | 360 ^P | 330 | 360 | 410 | 400 | 400 | | |
| 10 | 400 | 400 | 410 | 410 | 410 | 360 | 360 | 310 | 340 | 390 ^H | 420 ^H | 410 ^P | 420 | 410 | 410 | 390 | 390 | 380 | 380 | 380 | 380 | 410 | 410 | 390 | | |
| 11 | 410 | 370 ^I | 330 | 330 | 370 | 360 | 330 | 320 | 340 | 360 | (380) ^G | 400 | 380 | C | T | 360 | (320) ^J | 340 | 360 | 370 | 400 | 400 | [400] | 410 | | |
| 12 | (350) ^B | 370 | 360 | 370 | 370 | 370 | (320) ^B | T | T | T | 370 ^H | 400 | 410 ^H | 400 ^H | 390 ^H | 370 ^H | 360 | 340 | 320 | 330 | 410 | 410 | 390 | 420 | | |
| 13 | 380 | 400 | 470 | 470 | 450 | 400 | 330 | 350 | 380 ^H | 370 ^H | 400 ^H | 360 ^H | 380 ^H | 380 ^H | 380 ^H | 370 ^H | 370 ^H | 340 | 400 | 420 | 420 | 420 | 390 | | | |
| 14 | 340 | 400 | 360 | 440 | 400 ^F | 410 ^I | 390 | 410 | 450 | 420 | U | U | 430 | 420 | 360 | 390 | 320 | 320 | 360 | 360 | (380) ^A | 390 | 400 | 380 | | |
| 15 | 430 | 390 | 400 | 460 | 510 | 400 ^H | 360 | 460 | A | 480 | 430 | A | A | A | A | 430 | 380 | 380 | 360 | 370 | 340 | 380 | 400 | 450 | | |
| 16 | 400 | 410 | 430 | 480 | 550 | 500 | 460 ^H | 480 | 410 | A | (440) ^A | 410 | A | A | (390) ^J | 370 | 400 | 380 | 390 | 460 | 410 | 370 | 370 | 370 ^K | | |
| 17 | 530 ^K | 460 ^K | 450 ^K | 505 ^K | 550 ^K | 500 ^K | 540 ^K | 420 ^K | B | A | A | A | A | A | U | A | 410 ^K | 370 ^K | 360 ^K | 360 ^K | 360 ^K | (390) ^K | 430 ^K | 460 ^K | 390 ^K | |
| 18 | 470 ^K | 410 ^K | 360 ^K | 300 ^K | 320 ^K | 320 ^K | 400 ^K | 350 | 390 | 360 | 380 | 360 | 360 | 360 | 360 | 360 | 360 | 340 | C | C | C | C | 410 | 420 | 390 | |
| 19 | 350 | 360 | 370 | 410 | 420 | 400 | 320 | 320 | 330 ^H | 390 ^H | 380 ^H | 380 ^H | 370 | 390 | 360 | 350 | 330 | 330 | 360 | 360 | 370 | 420 | 430 | 410 | 400 | |
| 20 | 380 | 400 | 380 ^I | 370 | 390 | 310 | 340 | 350 | (360) ^C | 380 | 380 | 390 | 400 | 400 | 380 | 380 | 360 | 360 | 350 | 360 | 410 | 430 | 510 | (490) ^I | | |
| 21 | F | F | (410) ^E | 430 ^F | 460 ^F | 450 ^F | 380 | (400) ^H | A | A | (380) ^H | A | A | A | 390 | 410 | 390 | 370 | 360 | 370 | A | 540 | A | 440 | 440 | |
| 22 | 410 | 430 | 390 | 390 | 390 | 370 | 370 | 330 | 350 | 390 | A | 400 | 360 | 370 | 380 | 360 | 360 | 360 | 340 | 340 | 370 | A | A | 320 | 370 | 390 |
| 23 | 430 | 430 | 360 | 360 | 350 | 320 | 360 | 310 | 330 ^H | 380 ^H | 380 | 370 | 360 | (360) ^I | 330 | 350 | 360 | 360 | 330 | 330 | 330 | 330 | 400 ^F | 420 | 390 | |
| 24 | 390 | 400 | 450 | 430 | 410 | 420 | 350 | 320 | 380 | 460 | 430 | 370 | 390 | 360 | 390 | 350 | 350 | 370 | 360 | 360 | 310 | 300 | 500 | 500 | 460 | |
| 25 | 440 | 400 | 420 | 390 | 440 | 490 ^H | 380 | 320 | (360) ^H | 390 | 360 ^H | 370 ^H | 420 | 370 | 380 | 360 | 360 | 360 | 360 | 360 | 370 | 380 | 430 | 410 | 350 ^I | |
| 26 | 430 | 420 | 410 | 410 | 390 | 400 | 350 | 330 | A | 340 | 360 | 410 | 370 | 360 ^P | 340 | 360 | A | A | A | A | 320 | 360 | 370 | 370 | 370 | |
| 27 | 420 ^F | 420 ^F | 380 ^F | 370 | 390 | 310 | 280 | A | A | 330 | 350 | A | A | A | A | 360 | 350 | 340 | (310) ^J | 290 | 440 | 410 | 420 | | | |
| 28 | 390 ^F | 370 ^F | 370 ^F | 380 ^F | 360 ^F | 300 | 320 | 370 | 390 | 420 | 410 | 380 ^P | (380) ^J | 330 | 340 | 340 | 340 | 360 | 350 | 360 | 360 | 360 | 360 | 420 | 410 | |
| 29 | 370 | 420 | (370) ^F | 410 ^F | 380 ^F | 370 | C | C | C | 360 | A | 360 | 360 | 350 | 340 | 330 | 340 | 360 | 360 | 350 | A | A | 390 | 410 | | |
| 30 | 390 | (400) ^F | (390) ^F | 380 ^F | 370 ^F | 410 | 340 | 320 | 360 ^H | U | U | 370 | B | 350 | 330 | 340 | 330 | 330 ^P | 320 | 340 | 380 | 420 | 440 ^F | | | |
| 31 | (390) ^F | 370 | 370 | 370 ^F | 410 ^F | 370 | 330 | 330 | U | M | M | 380 | 370 | 360 | 350 | 300 | 300 | 300 | 300 | 340 | 370 | 390 | 400 | 400 | | |
| | Mean Value | 400 | 400 | 380 | 390 | 430 | 350 | 340 | 360 | 380 | 380 | 390 | 380 | 370 | 360 | 350 | 350 | 360 | 370 | 370 | 370 | 410 | 420 | 410 | | |
| | Median Value | 400 | 400 | 380 | 380 | 400 | 370 | 340 | 330 | 360 | 370 | 380 | 380 | 370 | 360 | 350 | 340 | 340 | 350 | 370 | 370 | 410 | 410 | 400 | | |
| | Count | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 29 | 26 | 23 | 24 | 22 | 25 | 26 | 27 | 28 | 25 | 27 | 25 | 26 | 29 | 30 | 30 | | |

Lat. 35° 42.4' N
Long. 139° 29.3' E

135° E Mean Time
10.0 Mc to 17.2 Mc in 2 min
□ Manual ☒ Automatic

ApF2

K 2

IONOSPHERIC DATA

May. 1956

R'F2

135° E Mean Time

Kokubunji Tokyo
Lat. 35° 42.4' N
Long. 139° 28.3' E

| Day | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | |
|--------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------|-------------------|-------------------|-------------------|-------------------|-------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------|
| 1 | 29.0 | 28.0 | 27.0 | 24.0 | 22.0 ^F | 25.0 | 23.0 ^H | 24.0 | 24.0H | 26.0 ^H | 31.0 | 31.0 | 30.0 | 29.0 | 29.0 | 28.0A | 28.0 ^A | 28.0 | A | A | 30.0 | 34.3 | | | |
| 2 | 32.0A | 28.0 | 25.0 | 23.0 | 3.30 ^F | 28.0 ^H | 31.0 | 30.0 | 36.0 | 37.0 | 35.0 | 36.0 | 36.0 | 33.0 | 31.0 | 28.0 | 30.0 | 27.0A | 24.0 ^A | 23.0 | 26.0 | 26.0 | 31.0 | | |
| 3 | 30.0 | 29.0 | 27.0 | 24.0 | 24.0 | 27.0 | 26.0 | 24.0 | 25.0 | 25.0H | 28.0 | 31.0 | 32.0 | 33.0 | 35.0 | 27.0H | 29.0H | 26.0 ^H | 26.0 | 25.0 | 25.0 | 26.0 | 32.0A | 31.0 ^F | |
| 4 | 32.0 | 30.0 | 26.0 | 26.0 | 30.0A | 24.0 | 23.0 | 24.0 | 24.0 ^H | 28.0 | C | C | C | C | C | 33.0A | 33.0 | 34.0 | 31.0 | 26.0H | 26.0A | 31.0A | 32.0 | | |
| 5 | 39.0A | 37.0A | 28.0A | 27.0 | 27.0 | 26.0 | 24.0 | 28.0 | 29.0 | 32.0 | 30.0H | 26.0H | 33.0 | 32.0 | 32.0 | 29.0 | 29.0 | 28.0 | 28.0 | 27.0 | 26.0 | 25.0 | 30.0 | 32.0 | |
| 6 | 31.0 ^B | 27.0 | 26.0 | 3.20 | 3.70 | 2.80 | [28.0]C | 27.0 | 31.0 | 29.0 | 31.0 | 29.0 | 31.0 | 32.0 | C | C | C | C | C | C | C | C | C | C | |
| 7 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | |
| 8 | 31.0 | 31.0 | 28.0 ^A | 29.0 ^A | 30.0 | 26.0 | 25.0 | 25.0A | 27.0 ^H | 31.0 | 27.0H | 32.0 | 37.0 | 34.0 | 33.0 | 31.0 | 28.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 31.0 ^A | |
| 9 | 31.0A | 31.0 | 28.0 | 26.0 | 26.0 | 25.0 | 25.0 | 26.0 | 26.0 | 30.0 | 36.0 | 36.0 | 34.0 | 33.0 | 31.0 | A | A | A | A | 26.0 | 31.0A | 30.0 | 30.0 | 30.0 | |
| 10 | 31.0 | 29.0 | 29.0 | 3.00 | 3.10 | 2.80 | 2.60 | 2.60 | 2.70 | 26.0H | 26.0H | 38.0 | 36.0 | 36.0 | 35.0 | 33.0 | 31.0 | 31.0 | 29.0 | 29.0 ^A | (29.0) | 29.0 | 32.0 | 32.0 | |
| 11 | 31.0 | 30.0 | 27.0 | 25.0 | 26.0 | 26.0 | 24.0 | 26.0 | 27.0 | 36.0A | [36.0]C | 37.0A | 34.0A | C | C | C | 33.0 | 30.0 | 28.0A | 26.0A | 27.0A | 27.0 | 30.0 | 31.0 | |
| 12 | 30.0A | 3.00A | 2.90 | 2.60 | 2.60 | 2.50 | 2.40 | 2.40 | 2.70 | T | 27.0 | 27.0H | 27.0 ^H | 27.0 ^H | 27.0H | 26.0H | 26.0H | 22.0 | 30.0 | 27.0 | 26.0 | 26.0 | 29.0 | 31.0 | |
| 13 | 30.0 | 2.90 | 3.20 | 3.40A | 3.50A | 2.80 | 2.60 | 2.50 | 2.70H | 2.80H | 2.90 ^H | 2.80 ^H | 2.80H | 3.00H | 3.00H | 3.00H | 2.40H | 2.40H | 2.40H | 2.60 | 3.00 | 3.10 | 2.80 | 2.90 | 3.00 |
| 14 | 26.0 | 29.0 | 26.0 | 3.00A | 3.60 ^A | 3.50 | 4.10A | 4.50 | 4.20 | 4.20 | 4.20 | 4.20 | 4.20 | 4.20 | 4.20 | 4.20 | 4.20 | 4.20 | 4.20 | 4.20 | 4.20 | 4.20 | 4.20 | 3.10 | |
| 15 | 32.0 | 29.0 | 27.0 | 3.20 | 3.90 | 3.20H | 3.40 | 4.60 | A | 4.80 | 4.30 | A | A | 4.30 | 3.80 | 3.70 | 3.20A | 3.00B | 2.90 | 2.90 | 2.70A | 2.80A | 2.50A | 3.40A | |
| 16 | 35.0A | 32.0 | 32.0 | 3.30A | 4.00A | 4.40 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | |
| 17 | 42.0 ^A | 35.0 ^K | 32.0 ^K | 4.10 ^K | 3.90 ^K | 4.10 ^K | 4.10 ^K | 4.10 ^K | 4.10 ^K | A | K | A | K | A | K | 50.0 ^K | 38.0 ^K | 40.0 ^K | 37.0 ^K | 35.0 ^K | 31.0 ^K | 28.0 ^K | 30.0 ^K | | |
| 18 | 34.0K | 37.0A | 28.0 ^K | 23.0 ^K | 30.0 ^H | 28.0 ^H | 37.0 ^K | 33.0 | 33.0 | 33.0 | 33.0 | 34.0 | 33.0 | 33.0 | 33.0 | 33.0 | 32.0 | C | C | C | C | 31.0 | 31.0 | 30.0 | |
| 19 | 27.0 | 26.0 | 3.00 | 3.10 | 2.80 | 2.70 | 2.70 | 2.60H | 2.60H | 2.70H | 2.70H | 2.60H | 2.60H | 2.60 | 2.60 | 2.60 | 2.20 | 3.10 | 2.90 | 2.80 | 2.80 | 3.00A | 3.20 | 3.20 | |
| 20 | 28.0 | 30.0 | 3.00 | 2.80 | 2.80 | 2.80 | 2.50 | 2.60 | 3.00 | [3.20] ^C | 3.40 | 3.60 | 3.60 | 3.60 | 3.60 | 3.60 | 3.60 | 3.60 | 3.60 | 3.60 | 3.60 | 3.60 | 3.60 | 3.60 | |
| 21 | 33.0F | 35.0F | 31.0A | 35.0F | 35.0F | 36.0 | 32.0 | 32.0 | 30.0A | 3.00A | 2.70H | A | A | 37.0 | 39.0 | 35.0 | 33.0 | 33.0 | 32.0 | 37.0A | 43.0A | A | A | 31.0 | 35.0A |
| 22 | 30.0 | 35.0A | 31.0A | 31.0A | 31.0A | 31.0A | 31.0A | 31.0A | 31.0A | 35.0A | |
| 23 | 34.0 | 32.0 | 28.0 | 28.0 | 27.0 | 27.0 | 26.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | |
| 24 | 30.0 | 31.0A | 33.0 | 30.0 | 32.0 | 32.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 41.0 | |
| 25 | 34.0 | 32.0 | 30.0 | 32.0A | 32.0A | 32.0A | 31.0H | 31.0H | 31.0 | [32.0] ^A | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | |
| 26 | 33.0A | 34.0A | 32.0 | 31.0 | 31.0 | 29.0 | 29.0 | 31.0A | A | 31.0 | 27.0 | 38.0 | 34.0 | 34.0 | 32.0 | 32.0 | 33.0 | 33.0 | 33.0 | A | A | 26.0A | 32.0 | 30.0A | |
| 27 | 33.0 | 35.0 ^A | 31.0 | 31.0 | 31.0 | 30.0 ^F | 24.0 | 26.0 | 31.0 | 31.0 | 33.0A | 33.0A | 33.0A | 33.0A | 33.0A | 33.0A | 33.0A | 33.0A | 33.0A | 33.0A | 33.0A | 33.0A | 33.0A | 33.0A | |
| 28 | 34.0A | 32.0A | 28.0 ^F | 29.0 | 28.0 | 25.0 | 27.0 | 28.0 | 31.0 | 30.0 | 38.0 | 41.0 | 38.0 | 35.0 | 33.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | |
| 29 | 32.0 ^A | 33.0A | 31.0A | 30.0A | 31.0A | 31.0A | 31.0A | 31.0A | 31.0A | 31.0A | C | C | C | C | C | 35.0A | | |
| 30 | 33.0A | 32.0A | 31.0A | 27.0 | 28.0 | 34.0 | 31.0 | 27.0 | 28.0H | 28.0H | 50.0 | 49.0 | 36.0 | 34.0 | 33.0 | 31.0 | 30.0 | 30.0 | 28.0 | 26.0 | 26.0 | 26.0 | 26.0 | | |
| 31 | 32.0A | 29.0 | 28.0 | 30.0A | 33.0A | 32.0A | 27.0 | 31.0 | 32.0A | L | M | M | 38.0 | 36.0 | 35.0 | 33.0 | 33.0 | 32.0 | 29.0 | 28.0 | 27.0 | 27.0 | 27.0 | 27.0 | |
| Mean Value | 32.0 | 31.0 | 29.0 | 31.0 | 28.0 | 29.0 | 31.0 | 30.0 | 33.0 | 34.0 | 35.0 | 35.0 | 35.0 | 33.0 | 32.0 | 30.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 31.0 | 32.0 | 32.0 | |
| Median Value | 32.0 | 30.0 | 28.0 | 30.0 | 30.0 | 28.0 | 27.0 | 28.0 | 30.0 | 32.0 | 33.0 | 34.0 | 35.0 | 33.0 | 32.0 | 30.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 31.0 | 32.0 | 31.0 | |
| Count | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 23 | 27 | 26 | 26 | 26 | 26 | 28 | 28 | 28 | 26 | 26 | 26 | 26 | 28 | 28 |

R'F2

Sweep 1.0 Mc to 17.2 Mc in 2 min

Mean

Median

Value

Value

Count

Manual

Automatic

K 3

Lat. 35° 42.4' N

Long. 139° 28.3' E

IONOSPHERIC DATA
Kokubunji Tokyo

Lat. $35^{\circ} 42' N$
Long. $139^{\circ} 29' E$

May. 1956

f₀F1

105° E Mean Time

| Day | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | |
|-----|----|----|----|----|------|------|--------|------|--------|------|-----|--------|--------|--------|------|------|-----|------|----|----|----|----|----|----|---|
| 1 | | | | | A | Q | Q | L | 5.5 | A | A | 5.7 | 5.8 | A | A | A | A | | | | | | | | |
| 2 | | | | | L | 4.7L | 5.4L | A | A | A | A | 5.8 | [5.4]A | 5.1 | 4.8L | A | A | A | | | | | | | |
| 3 | | | | | Q | Q | A | 4.3L | 5.4L | 6.0 | 6.3 | 6.2 | 5.9 | 4.7 | L | L | L | | | | | | | | |
| 4 | | | | | Q | Q | A | C | C | A | A | 5.6H | 5.6L | A | Q | A | A | A | | | | | | | |
| 5 | | | | | Q | Q | A | A | A | A | Q | 5.7 | 5.2L | 6.0L | 4.7 | L | L | A | | | | | | | |
| 6 | | | | | C | L | A | L | L | 5.6 | C | C | C | C | C | C | C | C | C | C | C | C | C | | |
| 7 | | | | | C | C | C | A | A | L | 6.0 | 5.3 | 5.5 | 5.2 | 5.4L | A | A | A | | | | | | | |
| 8 | | | | | Q | A | A | A | Q | L | 6.0 | 5.5 | 5.5 | 5.2L | 5.0L | A | A | A | | | | | | | |
| 9 | | | | | L | A | A | A | 5.8 | 6.0 | 5.8 | 5.4L | 5.6L | 5.3L | A | A | A | A | | | | | | | |
| 10 | | | | | L | L | L | A | A | A | 6.0 | 5.6 | 5.5L | 5.9 | A | 5.4L | L | A | | | | | | | |
| 11 | | | | | Q | L | A | A | A | C | A | A | C | C | B | 5.0 | A | A | A | | | | | | |
| 12 | | | | | Q | B | T | T | Q | A | Q | Q | Q | Q | Q | Q | Q | Q | Q | Q | Q | Q | Q | Q | |
| 13 | | | | | Q | Q | A | Q | L | B | 5.2 | A | L | Q | Q | Q | Q | Q | Q | Q | Q | Q | Q | Q | |
| 14 | | | | | A | A | A | A | 5.1 | 5.5 | 6.0 | 5.5 | 5.4L | [5.2]L | 4.9 | Q | A | A | A | A | A | A | A | A | |
| 15 | | | | | A | 4.1 | A | A | 5.1 | A | A | 5.6 | 5.5 | 5.0 | A | A | A | A | A | A | A | A | A | A | |
| 16 | | | | | A | A | A | A | A | A | 5.7 | 5.5 | 5.7 | 5.9 | 5.5 | 5.0 | 4.7 | 4.0L | | | | | | | |
| 17 | | | | | 3.7 | 4.4B | A | A | A | A | 5.2 | 5.1 | [5.3]A | 5.5 | 4.9 | L | A | | | | | | | | |
| 18 | | | | | 4.7L | 5.0 | L | 5.1 | 6.0 | 5.6 | 5.5 | A | 6.0 | 5.5 | 5.0 | C | C | C | C | C | C | C | C | C | |
| 19 | | | | | Q | 4.5L | 5.6 | L | 5.2 | Q | 5.0 | 6.0 | 6.0 | 5.2 | 5.3 | 5.0L | L | A | A | A | A | A | A | A | A |
| 20 | | | | | L | 4.6L | [5.2]C | 5.8L | 6.5L | 6.0 | 6.0 | 6.0 | 5.7 | 5.7 | 5.9 | 4.1 | L | | | | | | | | |
| 21 | | | | | A | - | A | A | A | A | 6.0 | [5.8]A | 5.6 | [5.6]A | 5.5 | A | A | A | A | A | A | A | A | A | |
| 22 | | | | | L | A | A | A | A | A | A | A | A | A | 6.0H | A | A | A | A | A | A | A | A | A | |
| 23 | | | | | Q | L | A | A | L | 6.1 | 6.0 | 5.8 | 5.9L | 5.5 | 4.5 | A | A | A | A | A | A | A | A | A | |
| 24 | | | | | Q | 4.4 | A | A | 5.9 | 5.6 | 5.5 | 5.7 | 5.7 | 5.9 | 5.1L | 4.9 | A | A | A | A | A | A | A | A | A |
| 25 | | | | | A | 4.9L | [5.2]A | 5.5 | [5.2]L | 4.9L | 5.8 | A | 5.6L | [5.3]A | 5.0 | L | | | | | | | | | |
| 26 | | | | | Q | A | A | A | A | 5.0 | 5.8 | 5.5 | A | A | A | A | A | A | A | A | A | A | A | A | |
| 27 | | | | | Q | 4.4L | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | |
| 28 | | | | | Q | A | A | A | 5.5 | 6.3 | 5.5 | [5.5]A | 5.5 | 5.0 | A | A | A | A | A | A | A | A | A | A | |
| 29 | | | | | C | C | C | A | A | A | A | 5.7L | 5.9 | 5.2 | 5.0 | 4.9L | L | A | A | A | A | A | A | A | |
| 30 | | | | | L | 4.1 | 4.5 | A | 5.6 | 6.0 | 5.5 | [5.5]B | 5.5 | 5.4 | 5.0 | 4.8 | A | A | A | A | A | A | A | A | |
| 31 | | | | | A | A | L | M | M | M | 5.4 | 5.5 | 5.5 | 5.1 | 5.0 | A | B | 3.6 | | | | | | | |
| | | | | | 4.2 | 4.8 | 5.0 | 5.5 | 5.7 | 5.7 | 5.6 | 5.5 | 5.2 | 4.9 | 4.7 | 3.8 | | | | | | | | | |
| | | | | | 4.4 | 4.7 | 5.3 | 5.5 | 5.8 | 5.6 | 5.7 | 5.6 | 5.2 | 5.0 | 4.7 | 3.8 | | | | | | | | | |
| | | | | | 7 | 7 | 4 | 9 | 11 | 11 | 19 | 23 | 22 | 25 | 19 | 13 | 1 | 2 | | | | | | | |

Mean Value
Median Value
Count

f₀F1

sweep 1.0 Mc to 17.2 Mc in 2 min

Automatic

IONOSPHERIC DATA

May. 1956

F'F1

135° E Mean Time

Lat. 35° 42.4' N
Long. 139° 28.3' E

| Day | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | | |
|--------------|-----|-----|-----|-----|-----|------------------|------------------|-----|------------------|--------------------|------------------|--------------------|-------------------------------|------------------|-------------------------------|------------------|------------------|------------------|-----|-----|-----|-----|-----|-----|-----|---|
| 1 | | | | | A | Q | Q | 230 | 230 | A | 290 | 240 | A | A | A | A | A | A | A | A | A | A | A | | | |
| 2 | | | | | 270 | 290 ^A | A | A | 230 | 230 ^A | A | 290 ^A | A | 230 | A | A | A | A | A | A | A | A | A | | | |
| 3 | | | | | Q | Q | 'A | 230 | 280 ^A | 230 ^A | 240 ^A | 230 | A | 210 | 260 | 240 | 250 | 270 | | | | | | | | |
| 4 | | | | | Q | Q | A | C | C | A | A | A | 210 ^H | A | A | Q | A | A | A | A | A | A | A | | | |
| 5 | | | | | Q | Q | A | A | A | A | A | Q | 230 | 220 | 230 | 240 | 270 | 270 | A | | | | | | | |
| 6 | | | | | C | 250 | A | 250 | A | B | C | C | C | C | C | C | C | C | C | C | C | C | C | | | |
| 7 | | | | | C | C | C | A | A | A | A | 210 | 250 | 240 | 270 | A | A | A | A | A | A | A | A | | | |
| 8 | | | | | Q | A | A | A | Q | 220 | 250 | 250 | 230 | 260 | 240 | 250 | A | | | | | | | | | |
| 9 | | | | | 250 | A | A | A | 260 | 250 | 260 ^A | 220 ^H | 280 ^A | 230 | A | A | A | A | A | A | A | A | A | | | |
| 10 | | | | | 250 | 240 | 240 | A | A | (250) ^A | A | A | A | A | A | A | 280 | 300 ^A | A | | | | | | | |
| 11 | | | | | Q | 240 | A | A | C | A | A | A | C | C | B | 250 | A | | | | | | | | | |
| 12 | | | | | Q | B | T | T | Q | A | Q | Q | Q | Q | Q | A | A | A | A | A | A | A | A | A | | |
| 13 | | | | | Q | Q | A | Q | 230 | B | 270 | A | A | Q | Q | Q | Q | Q | Q | Q | Q | Q | Q | Q | | |
| 14 | | | | | A | A | A | A | A | A | 230 | B | B | B | 260 | 250 | Q | Q | Q | Q | Q | Q | Q | Q | | |
| 15 | | | | | 260 | A | A | 220 | A | A | A | 210 | A | A | A | A | A | A | A | A | A | A | A | A | | |
| 16 | | | | | A | A | A | A | A | A | A | A | A | A | 360 | 260 | 250 | 270 | 270 | | | | | | | |
| 17 | | | | | 300 | 280 | A | A | A | A | 250 | A | A | 230 | 290 ^A | A | A | A | A | | | | | | | |
| 18 | | | | | 250 | 240 | 250 | 230 | 220 | A | A | A | A | A | 230 | 230 | C | C | C | | | | | | | |
| 19 | | | | | Q | 250 | 230 | 230 | 230 | Q | 200 | 220 | 220 | 220 | 240 ^J ^B | 260 | 240 ^A | 270 ^A | A | | | | | | | |
| 20 | | | | | 250 | 240 | 230 ^J | 220 | 290 ^B | 250 ^B | 210 | (200) ^B | A | 320 ^A | 230 | 280 ^A | | | | | | | | | | |
| 21 | | | | | A | A | A | A | 270 | 220 | 290 ^A | 230 | 240 ^J ^A | 250 | A | A | A | A | Q | | | | | | | |
| 22 | | | | | 250 | A | A | A | A | A | A | A | A | AH | A | A | A | A | A | A | A | A | A | A | | |
| 23 | | | | | Q | 240 | A | A | A | A | 280 | 210 | 270 | 250 | A | A | 250 | A | A | A | A | A | A | A | A | |
| 24 | | | | | Q | 250 | A | A | A | A | 220 | 230 | 240 ^J ^A | 240 | 240 | 240 | 240 | 240 | A | A | A | A | A | A | A | A |
| 25 | | | | | A | 280 ^A | A | A | A | A | 230 | 250 | A | A | A | A | 240 | 260 | | | | | | | | |
| 26 | | | | | Q | A | A | A | A | B | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | |
| 27 | | | | | Q | 260 ^A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | |
| 28 | | | | | Q | A | A | A | 280 ^A | 280 | A | A | A | A | 300 | 240 | A | A | A | A | A | A | A | A | A | |
| 29 | | | | | C | C | C | C | A | A | A | A | A | A | B | 250 | 250 | 260 ^A | A | A | A | A | A | A | | |
| 30 | | | | | 280 | 260 | 260 | A | 290 ^A | 220 | A | B | B | B | 210 | 250 | 300 | A | A | A | A | A | A | A | A | |
| 31 | | | | | A | A | 290 | M | M | A | A | A | A | A | 230 | 250 | A | B | 270 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mean Value | 280 | 260 | 260 | 250 | 250 | 250 | 250 | 250 | 240 | 240 | 240 | 240 | 240 | 240 | 250 | 250 | 250 | 250 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | |
| Median Value | 280 | 250 | 240 | 240 | 230 | 230 | 230 | 230 | 240 | 240 | 240 | 240 | 240 | 240 | 250 | 250 | 250 | 250 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | |
| Count | 1 | 13 | 10 | 6 | 10 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 15 | 8 | 4 | | | | | |

Mean 1.0 Mc to 17.2 Mc in 2 min
Median 1.0 Mc to 17.2 Mc in 2 min

F'F1

Sweep 1.0 Mc to 17.2 Mc in 2 min
 Manual Automatic

K 5

IONOSPHERIC DATA

May, 1956

f_0E

135° E

Mean

Time

Kokubunji Tokyo

Lat. 35° 42.4' N
Long. 139° 28.3' E

| Day | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | |
|-----|----|----|----|----|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-----|------------------|----|----|----|----|----|----|--|
| 1 | | | | | 2.6 | 3.0 | 3.4 | 3.8 | 3.9 | A | A | (3.4) ^A | 3.8 | 3.3 ^A | 2.7 | | | | | | | | | | |
| 2 | | | | | 2.6 | 3.1 | 3.3 | (3.5) ^B | [3.7] ^B | 3.9 | 4.0 | [3.6] ^A | 3.4 | 3.2 | 2.8 | | | | | | | | | | |
| 3 | | | | | 1.9 | 2.5 | 3.0 | 3.3 | 3.5 | 3.9 | 3.9 | [3.6] ^B | 3.3 | 3.4 | 3.3 | 2.7 | A | | | | | | | | |
| 4 | | | | | 2.6 | 3.0 | 3.3 | C | C | 3.6 | [3.7] ^A | 3.8 | [3.7] ^A | 3.6 | 3.3 | 2.6 | A | | | | | | | | |
| 5 | | | | | 1.9 | 2.6 | 3.2 | 3.4 | 3.6 | [3.7] ^A | 3.8 | A | A | A | A | A | A | 2.2 | | | | | | | |
| 6 | | | | | C | 3.2 | A | 3.5 | A | A | C | C | C | C | C | C | C | C | C | C | C | C | | | |
| 7 | | | | | C | C | C | 3.8 | 3.8 | [3.8] ^A | 3.9 | 3.9 | 3.8 | 3.6 | 3.3 | 2.7 | | | | | | | | | |
| 8 | | | | | 2.7 | 3.3 | 3.5 | 3.8 | 3.9 | A | B | A | A | 3.7 | 3.4 | 2.9 | | | | | | | | | |
| 9 | | | | | A | 3.1 | 3.5 | 3.7 | 3.8 | 3.8 | B | A | A | 3.8 | 3.5 | 2.9 | | | | | | | | | |
| 10 | | | | | 2.6 | 3.3 | 3.5 | 3.8 | 3.9 | A | A | A | A | A | A | A | 3.0 | A | | | | | | | |
| 11 | | | | | A | A | A | A | C | 3.7 | 3.5 | C | C | 3.1 | A | A | A | A | A | A | A | A | | | |
| 12 | | | | | B | 3.3 | T | T | 3.9 | [3.9] ^A | 3.9 | [3.8] ^A | 3.6 | 3.0 | A | A | A | A | A | A | A | A | A | | |
| 13 | | | | | 2.6 | 3.3 | 3.5 | [3.6] ^A | 3.8 ^B | 3.5 | 3.9 | 3.8 | 3.8 | 3.5 | 3.4 | 2.9 | 2.0 | | | | | | | | |
| 14 | | | | | 1.8 | 2.6 | 3.3 | 3.6 | 3.9 | 3.6 | (3.7) ^A | 3.8 | 3.7 | 3.6 | A | A | 2.9 | 2.1 | | | | | | | |
| 15 | | | | | 2.4 | 3.0 | 3.4 | 3.5 | 3.5 | 3.2 | 3.6 | 3.8 | 3.8 | 3.7 | 3.6 | 3.4 | A | A | A | A | A | A | A | A | |
| 16 | | | | | 2.4 | 3.1 | 3.5 | 3.8 | 3.7 | 4.0 ^B | 3.8 | 3.8 | (3.7) ^B | 3.5 | 3.2 | 2.7 | 2.1 | | | | | | | | |
| 17 | | | | | 2.5 | 3.0 | 3.3 | 3.5 | 3.7 | 3.9 | 3.9 | 3.9 | 3.8 | [3.7] ^A | 3.6 | A | A | A | A | A | A | A | A | A | |
| 18 | | | | | 2.6 | 3.1 | (3.7) ^B | A | A | 3.6 | 3.6 | 3.9 | 3.7 | A | A | 2.9 | C | C | C | C | C | C | C | | |
| 19 | | | | | 2.0 | 2.7 | 3.0 | 3.5 | 3.9 | 4.0 | 3.9 | 3.8 | 3.9 | 3.8 | 3.5 | 3.1 | 3.0 | 2.1 | | | | | | | |
| 20 | | | | | 2.8 | 3.2 | [3.4] ^C | 3.7 | 3.7 | 3.7 | B | 3.8 | 3.7 | [3.5] ^A | 3.3 | 2.8 | | | | | | | | | |
| 21 | | | | | 2.5 | 3.0 | 3.5 | 3.6 | 3.9 | 3.9 | 3.9 | 4.0 | 4.0 | 3.8 | 3.5 | 2.9 | A | | | | | | | | |
| 22 | | | | | A | 3.2 | 3.5 | 3.7 | 3.7 | A | A | A | A | A | 3.4 | (3.0) ^A | A | A | A | A | A | A | A | | |
| 23 | | | | | 1.9 | 2.6 | 3.0 | 3.5 | 3.6 | A | B | (4.0) ^A | 3.9 | 3.7 | A | A | A | A | A | A | A | A | A | | |
| 24 | | | | | 2.6 | 3.0 | 3.5 | 3.5 | [3.8] ^A | 4.0 | 4.0 | 3.9 | 3.8 | 3.5 | [3.4] ^A | 3.2 | 2.9 | 1.8 ^J | | | | | | | |
| 25 | | | | | 2.6 | [3.0] ^A | 3.3 | 3.6 | 3.6 | 3.4 | 3.3 | A | A | A | 3.5 | 3.2 | 2.8 | | | | | | | | |
| 26 | | | | | 1.7 | 2.7 | 3.1 | 3.4 | 3.6 | 3.7 | 3.7 | 3.7 | 3.5 | [3.5] ^A | 3.5 | 3.3 | 2.8 | A | | | | | | | |
| 27 | | | | | 2.8 ^B | 3.4 | 3.6 | 3.6 | 3.8 | 3.8 | 3.7 | 3.5 | 3.3 ^B | 3.2 | A | A | A | A | A | A | A | A | A | A | |
| 28 | | | | | 1.7 | 2.5 | 2.9 | 3.4 | (3.5) ^A | [3.6] ^A | 3.7 | [3.8] ^A | 3.9 | 3.8 | 3.6 | 3.4 | 2.9 | | | | | | | | |
| 29 | | | | | 2.8 | C | C | A | A | A | A | A | [3.8] ^A | [3.7] ^A | 3.7 | 3.3 | A | A | A | A | A | A | A | A | |
| 30 | | | | | 1.7 | 2.7 | 3.2 | 3.5 | 3.5 | A | B | A | A | A | A | A | A | A | A | A | A | A | A | | |
| -31 | | | | | 2.8 | 3.6 | 3.7 | M | M | M | M | M | 3.5 | A | A | A | B | A | A | A | B | A | A | A | |
| | | | | | 1.8 | 2.6 | 3.1 | 3.5 | 3.6 | 3.7 | 3.8 | 3.8 | 3.8 | 3.6 | 3.5 | 3.3 | 2.8 | 2.1 | | | | | | | |
| | | | | | 1.8 | 2.6 | 3.1 | 3.5 | 3.6 | 3.7 | 3.8 | 3.8 | 3.8 | 3.7 | 3.5 | 3.3 | 2.8 | 2.1 | | | | | | | |
| | | | | | 1.8 | 2.6 | 3.1 | 3.5 | 3.6 | 3.7 | 3.8 | 3.8 | 3.8 | 3.7 | 3.5 | 3.3 | 2.8 | 2.1 | | | | | | | |
| | | | | | 8 | 25 | 28 | 26 | 25 | 24 | 24 | 24 | 23 | 20 | 20 | 20 | 18 | 6 | | | | | | | |

Mean
Median
Value
Count

Sweep 1.0 ... Mc to 17.2 Mc in 2 min

Manual Automatic

IONOSPHERIC DATA

May. 1956

R'E

135° E

Mean

Time

Kokubunji Tokyo

Lat. 35° 42.4' N
Long. 139° 28.3' E

| Day | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | |

Mean Value
Median Value
Count

Lat. 35° 42.4' N
Long. 139° 28.3' E

□ Manual Automatic

Steeep 1.0 Mc to 17.2 Mc in 2 min

R'E

K 7

IONOSPHERIC DATA

May. 1956

fES

Kokubunji Tokyo

Lat. 35° 42.4' N
Long. 139° 28.3' E

135° E Mean Time

| Day | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|--------------|------|------|------|------|------|------|------|------|------|------|--------|------|------|------|------|------|------|------|------|------|-----|------|------|-----|
| 1 | 3.8 | 3.0 | 3.0 | 2.5 | 3.2F | 4.6 | 4.7 | 4.9 | 5.4 | 6.0 | 5.7 | 9.6 | 6.6 | 5.8 | 3.8 | 6.6 | 8.5 | 6.8 | 8.5 | 7.4 | 8.5 | 8.6 | E | 44 |
| 2 | 5.5 | 3.0 | 3.8 | 2.9 | 4.5F | E | 3.8 | 5.0 | 5.9 | 7.1 | 7.5 | 8.6 | 5.6 | 6.6 | 9.7 | 5.3 | 5.4 | 9.5 | 8.5 | 5.7 | 4.7 | E | E | E |
| 3 | E | 2.5 | 4.7 | 3.2 | 3.4 | 5.6Y | 3.6 | 5.0 | 4.7 | 5.5 | 5.2 | 5.2 | 5.8 | G | G | 4.0 | 3.3 | 3.9 | 8.6 | 5.6 | 5.8 | 3.7 | 5.6 | 6.3 |
| 4 | 2.9 | 2.9 | 3.2 | 4.6 | 4.4 | 1.7 | 3.7 | 5.7 | 6.0 | C | C | 8.8 | 13.5 | 3.9 | 6.1 | 6.9 | 4.7 | 9.7 | 5.5 | 3.2 | 8.7 | 3.7 | 5.6 | 3.0 |
| 5 | 5.6 | 5.5 | 4.3F | 3.8 | 2.5 | G | 3.0 | 6.2 | 5.9 | 8.5 | 5.6 | 8.9 | 5.6 | 4.8 | 4.7 | 5.9 | 4.0 | 3.6 | 4.5 | 6.0 | 3.3 | 2.7 | 3.0 | 3.6 |
| 6 | 2.4 | 2.4 | E | 2.2 | 2.3 | 5.0Y | C | 4.8 | 6.6 | 6.5 | (1.0)Y | 6.4 | C | C | C | C | C | C | C | C | C | C | C | |
| 7 | C | C | C | C | C | C | C | C | 8.5 | 6.4 | 7.4Y | G | G | 4.4 | 9.6 | 11.0 | 12.8 | 14.0 | 9.0 | 5.7 | 4.7 | 4.7 | 4.7 | 3.3 |
| 8 | 3.4 | 6.1 | 5.5 | 6.5 | 4.6 | 3.6 | 3.8 | 5.2 | 6.1 | 8.2 | 5.7Y | 5.5 | 5.6 | 4.5 | 3.8 | G | 5.0 | 4.7 | 3.3 | 4.4 | 4.8 | 6.7 | 6.7 | 3.3 |
| 9 | 3.0 | 2.4 | 2.5 | 2.1 | 2.0 | 2.0 | 3.6 | 5.5 | 6.0 | 7.2 | 7.1 | 5.6 | 5.7 | 6.4 | 6.6Y | 4.7 | 9.2 | 12.9 | 9.4 | 5.9 | 7.2 | 5.5 | 3.3 | 3.9 |
| 10 | 3.0 | E | 3.0 | E | 2.5 | 3.2 | G | 4.5 | 5.3 | 5.5 | 5.8 | 6.9 | 7.5 | 5.6 | 6.0 | 7.8 | 8.2 | 5.1 | 6.5 | 9.6 | 5.5 | 4.5 | 3.6 | 8.8 |
| 11 | 8.5 | 3.6 | 6.6 | 5.5 | 3.0 | 3.7 | 3.6 | 3.9Y | 5.5 | 7.8 | C | 9.0 | 8.3 | C | C | 4.5 | 9.5 | 6.0 | 6.0 | 7.0 | 2.3 | E | 6.5 | 4.0 |
| 12 | 6.0Y | 5.5 | 3.8 | 3.5 | 2.9Y | 2.1 | B | 3.5 | T | 5.5 | 4.5 | 5.8 | 5.5 | 4.5 | 6.0 | 6.1 | 5.7 | 5.0 | 3.6 | 3.3 | 2.5 | E | E | 6.5 |
| 13 | 4.7 | 3.9Y | 6.8 | 6.0 | 6.7 | 4.5 | 6.0 | 5.8 | 4.5 | G | 3.9 | G | 5.7 | G | G | 3.5 | 3.0 | E | E | 2.7 | 2.4 | 2.2 | | |
| 14 | 2.6 | 3.0 | 2.3 | 3.8 | 4.5 | 5.7 | 6.1 | 6.0 | 5.7 | 6.4 | 6.5 | 6.2 | 4.3 | 5.8 | G | 3.8 | 6.0 | 3.8 | 4.5 | 6.1 | 7.4 | 3.8 | 2.3 | 3.7 |
| 15 | 3.3 | E | E | 1.7Y | E | 3.0 | 3.9 | 5.5 | 8.1 | 6.3 | 7.0 | 8.0 | 8.9 | 6.0 | 5.7 | 5.7 | 6.3 | 5.2 | 4.5 | 6.0 | 3.0 | 7.0 | 3.7 | |
| 16 | 8.0Y | 5.1 | 2.3 | 5.7 | 7.0 | 5.7 | 4.4 | 8.0 | 6.2 | 6.8 | 6.8 | 6.0 | 6.1 | 7.0 | 4.5Y | G | G | G | 2.9 | 3.5 | 6.2 | 4.4Y | 3.8 | |
| 17 | 6.0 | 2.5 | 2.5 | 2.4 | 2.4 | 3.4 | 3.8 | 4.5 | 6.2 | 9.5 | 8.6 | 5.4 | 6.0 | 10.5 | 9.4 | 6.1 | 8.9 | 7.0 | 4.5 | 2.9 | C | 3.0 | 6.0 | 3.2 |
| 18 | 2.4 | 5.9 | 6.2 | 3.6 | 4.4 | 2.3 | 3.6 | 4.4 | G | 5.5Y | 5.3 | 7.0 | 5.5 | 7.4 | 6.5 | 4.5 | 3.7 | C | C | C | C | 2.5 | 2.3 | 2.1 |
| 19 | 2.5 | 2.4 | 2.5 | 3.0 | 3.8 | 2.3 | 6.0Y | 3.6 | 3.7 | G | 6.4 | G | 4.5 | G | 4.1 | 4.4 | 4.5 | 5.0 | 5.1 | 5.6 | 5.9 | 3.6 | 2.5 | E |
| 20 | E | 3.8 | 3.8 | 4.0 | 3.2 | 3.0 | 3.8 | 4.4 | C | 3.8 | G | G | 4.5 | 6.0 | 7.5 | 3.7 | 6.0 | 6.0 | 4.9 | 4.4 | 4.4 | 2.9 | 4.5 | 4.4 |
| 21 | 2.4 | 2.4 | 3.7 | 5.9 | 3.0 | 5.9 | 5.7 | 7.0 | 7.6 | 6.3 | 10.3 | 4.5 | 9.3 | 4.4 | 7.9 | 5.4 | 6.9 | 9.5 | 10.0 | 10.5 | 3.0 | 5.5Y | 6.0Y | |
| 22 | 3.8 | 6.5 | 4.2 | 5.9 | 5.5 | 3.0 | 6.1 | 9.0 | 6.5 | 8.5 | 10.3 | 9.0 | 8.2 | 5.3 | 8.0 | 6.2 | 5.7 | 6.5 | 4.5 | 2.4 | 4.0 | 6.0 | 6.0 | |
| 23 | 4.4 | 3.2 | 2.8 | 2.8 | 2.9 | 2.9 | 3.9 | 6.5 | 6.5 | 6.1 | 4.5 | 6.2 | 6.3 | 5.8 | 7.2 | 6.5 | 5.9 | 5.5 | 3.5 | 4.5 | 6.7 | 6.5 | 6.0 | 5.9 |
| 24 | 6.0 | 6.0 | 3.0 | 4.5 | 3.0 | 2.4 | 3.9 | 6.5 | 5.8 | 4.0 | 4.2 | 5.9 | 4.4 | 4.3 | 3.8 | 3.6 | 4.5 | 6.7 | 3.8 | 4.5 | 4.4 | 6.6 | 8.5 | |
| 25 | 3.1 | 3.7 | 3.1 | 3.9 | 4.4 | 4.5 | 5.9 | 6.0 | 8.0 | 5.7 | 6.5 | 6.4 | 5.8 | 8.2 | 8.5 | 7.0 | 3.7 | 6.4 | 10.2 | 10.0 | 2.5 | 5.7 | 3.7 | 6.0 |
| 26 | 4.4 | 4.5 | 3.0 | 3.7 | 3.7 | 3.8 | 5.9 | 8.0 | 10.1 | 6.7 | 4.4 | 5.5 | 6.0 | 7.5 | 6.4 | 5.6 | 7.2 | 10.2 | 13.0 | 13.0 | 5.6 | 8.8 | 6.7 | 5.7 |
| 27 | 4.6 | 5.5 | 5.5 | 6.0 | 5.9 | 4.5 | 4.5 | 7.4 | 8.9 | 7.1 | 7.2 | 9.7 | 10.1 | 14.6 | 10.6 | 7.5 | 7.1 | 7.5 | 6.8 | 5.7 | 3.6 | 6.4 | 5.9 | 6.8 |
| 28 | 6.0 | 5.5 | 4.4 | 3.2 | 3.0Y | 3.5 | 5.4 | 6.2 | 8.3 | 6.5 | 6.3 | 6.0 | 7.1 | 5.9 | G | 6.2 | 8.0 | 6.5 | 7.0 | 6.1 | 6.7 | 6.5 | 6.0 | 9.0 |
| 29 | 9.0 | 6.0 | 4.5 | 3.8 | 3.8 | 3.9 | C | C | 7.2 | 8.5 | 8.0 | 5.8Y | 5.4 | 4.1 | G | 3.5 | 6.0 | 10.2 | 5.7 | 10.2 | 6.0 | 7.7 | 8.6 | |
| 30 | 6.6 | 9.0 | 6.5 | 3.9 | 3.0 | 3.1 | 3.7 | 6.7 | 6.0 | 6.2 | 6.5 | 7.0 | 5.5 | 3.8 | 5.5 | 6.7 | 6.0 | 6.8 | 6.0 | 3.9 | 3.9 | 8.5 | 3.9 | 4.8 |
| 31 | 7.0 | 3.8F | 3.7 | 4.5 | 4.6 | 3.0 | 5.1 | 7.4 | 6.9 | M | 10.4 | 9.5 | 8.5 | 5.5 | 3.7 | 5.5 | 5.2 | B | 4.5 | 3.9 | 3.7 | 24 | 2.0 | 5.5 |
| Mean Value | 4.7 | 4.3 | 4.0 | 4.0 | 3.8 | 3.6 | 4.5 | 5.8 | 6.5 | 6.5 | 6.7 | 6.9 | 6.8 | 6.3 | 5.9 | 6.0 | 6.1 | 6.4 | 6.8 | 6.0 | 5.3 | 4.8 | 4.9 | 5.1 |
| Median Value | 4.1 | 3.8 | 3.7 | 3.8 | 3.3 | 3.3 | 3.9 | 5.7 | 6.0 | 6.4 | 6.4 | 6.4 | 6.4 | 5.8 | 5.7 | 5.6 | 5.6 | 6.0 | 6.1 | 5.1 | 4.5 | 4.2 | 4.6 | 4.4 |
| Count | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 27 | 27 | 29 | 29 | 31 | 30 | 29 | 29 | 30 | 30 | 29 | 30 | 29 | 28 | 30 | 30 | 30 |

fES

Sweep 1.0 Mc to 172 Mc in 2 min

 Manual Automatic

K 8

IONOSPHERIC DATA

(M3000)F2

May. 1956

135° E Mean Time

Kokubunji Tokyo

Lat. 35° 42.4' N
Long. 139° 29.3' E

| Day | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | | |
|-----|--------------------|--------------------|--------------------|------------------|------------------|------------------|--------------------|--------------------|--------------------|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|------------------|--------------------|------------------|------------------|--------------------|------------------|------------------|------------------|--------------------|-----|
| 1 | 2.7 | 2.8 ^F | 2.9 | 3.0 | 2.8 | 3.0 | 2.6 ^H | 2.9 | 2.7 ^H | 2.8 | 2.9 | 2.9 | 2.7 | 2.8 | 2.9 | 2.9 | 2.9 | 2.9 | 2.8 | 3.0 ^F | 2.8 | 2.5 | 2.6 | 2.6 | | |
| 2 | 2.7 | 2.8 | 3/ | 2.7 | 2.4 | 2.4 ^H | 2.5 | 2.9 | 2.6 | 2.8 | 2.8 | 2.7 | 2.8 ^P | 2.8 | 2.9 | 2.8 | 2.8 | 2.9 | 2.9 | 2.9 | 2.9 | 2.7 | 2.7 | 2.7 | 2.7 | |
| 3 | 2.8 | 2.7 | 2.9 | 2.8 | 2.9 | 3.0 | 3.0 | 3.0 | 2.9 ^H | 2.9 | 2.9 | 2.7 | 2.7 | 2.6 | 2.7 ^H | 2.7 | 2.7 | 2.8 ^H | 2.8 | 2.9 | 2.9 | 2.9 | 2.7 | 2.7 | 2.7 | |
| 4 | 2.6 ^F | 2.7 | 2.8 | 2.7 | 2.6 | 2.8 | 3.1 | 3.0 ^H | 2.9 | 2.9 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 ^H | 2.7 | 2.8 | 2.8 ^H | 2.8 | 2.9 | B | 2.9 | 2.7 | 2.7 | 2.7 | |
| 5 | 2.6 ^F | 2.6 | 2.8 | 2.6 | 2.6 | 2.8 | 2.7 | 2.7 | 2.7 | 2.7 | 2.6 ^H | 2.6 ^H | 2.7 | 2.8 | 2.7 | 2.7 | 2.8 | 2.8 ^H | 2.8 | 2.9 | 2.9 | 2.8 | 2.7 | 2.6 | 2.6 ^F | |
| 6 | 2.7 | 2.8 | 2.6 | 2.5 | 2.4 | 2.3 | [2.5] ^G | 2.7 | 2.7 | 2.8 | T | T | C | C | C | C | C | C | C | C | C | C | C | 2.5 | 2.5 | |
| 7 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | |
| 8 | 2.7 | 2.7 | 3.0 | 2.9 | 2.6 ^F | 2.9 | 3.2 | 2.8 | 2.8 ^H | 2.7 | 2.6 ^H | 2.7 | 2.5 ^P | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.8 | 2.8 | 2.9 | 2.9 | 2.9 | 2.6 | 2.6 | 2.7 |
| 9 | 2.7 | 2.7 | 2.8 | 2.8 | 2.7 | 2.7 | 2.8 | 3.0 | 2.9 | 2.5 | 2.6 | 2.6 ^P | 2.7 | 2.7 ^P | 2.6 | 2.7 | 2.7 | 2.8 ^P | 2.9 | 2.7 | 2.7 | 2.5 | 2.6 | 2.6 | 2.6 | 2.6 |
| 10 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.7 | [2.8] ^T | 2.9 | 2.8 | 2.6 ^H | 2.5 ^H | 2.6 ^P | 2.5 | 2.5 | 2.6 | 2.7 | 2.7 | 2.7 | 2.9 ^P | 2.9 | 2.6 | 2.6 | 2.6 | 2.6 | 2.7 | 2.7 |
| 11 | 2.6 | 2.7 ^P | 2.9 | 2.9 | 2.7 | 2.8 | 2.9 | 2.9 | 2.8 | 2.7 | [2.7] ^C | 2.7 | 2.5 | 2.6 ^P | 2.8 | 2.7 | A | A | A | A | A | A | A | A | 2.6 | 2.6 |
| 12 | 2.9 | 2.7 | 2.7 | 2.8 | 2.7 | 2.8 | 2.9 | 2.9 | T | T | T | T | 2.7 ^H | 2.6 | 2.6 ^H | 2.7 ^H | 2.8 ^H | 2.8 | 2.9 | 2.9 | 2.9 | 2.9 | 2.7 | 2.7 | 2.6 | 2.6 |
| 13 | 2.7 | 2.6 | 2.4 | 2.5 | 2.4 | 2.6 | 2.9 | 2.8 | 2.7 ^H | 2.8 | 2.7 ^H | 2.7 ^H | 2.9 ^H | 2.8 ^H | 2.8 ^H | 2.7 ^H | 2.7 ^H | 2.9 ^H | 2.9 | 2.6 | 2.6 | 2.5 | 2.5 | 2.7 | 2.7 | |
| 14 | 2.9 | 2.6 | 2.7 | 2.6 | 2.5 ^F | 2.6 ^P | 2.7 | 2.6 | 2.5 | 2.7 | 2.7 | 2.7 | 2.5 | 2.8 | 2.7 | 2.9 | 2.8 | 3/ | 2.9 | 2.8 | [2.8] ^A | 2.7 | 2.7 | 2.8 | 2.7 | |
| 15 | 2.5 | 2.7 | 2.5 | 2.6 | 2.3 | 2.3 | 2.7 ^H | 2.8 | 2.5 | A | 2.4 | 2.6 | (2.7) ^A | (2.5) ^A | 2.6 | 2.7 | 2.7 | 2.8 | 2.8 | 2.9 | 2.7 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 |
| 16 | 2.6 | 2.6 | 2.3 | 2.3 | 2.2 | 2.4 ^H | 2.4 | [2.6] ^A | 2.7 | 2.7 | 2.8 | (2.8) ^J | 2.7 | 2.7 | 2.8 | 2.7 | 2.7 | 2.7 | 2.8 | 2.9 | 3.0 | 3.0 | 2.9 | 2.6 | 2.6 | 2.4 |
| 17 | 2.2 ^K | 2.4 ^K | 2.2 ^K | 2.2 ^K | 2.2 ^K | 2.2 ^K | 2.5 ^E | B ^K | 2.5 ^K | A ^K | A ^K | 2.4 ^K | 3.0 ^K | (2.8) ^J | 2.8 ^K | 2.8 ^K | 2.8 ^K | 2.7 ^K | 2.8 ^K | 2.9 ^K | [2.7] ^K | 2.5 ^K | 2.4 ^K | 2.7 ^K | | |
| 18 | 2.3 ^K | 2.5 ^V | 2.8 ^K | 3.2 ^K | 3.0 ^E | 2.6 ^H | 2.7 ^K | 2.9 | 2.7 | 2.8 | 2.6 | 2.9 | 2.8 | 2.9 | 2.8 | 3.0 | C | C | C | C | C | C | C | C | 2.5 | 2.7 |
| 19 | 2.8 | 2.8 | 2.7 | 2.5 | 2.5 | 2.6 | 3.0 | 3.0 | 2.9 ^H | 2.6 ^H | 2.7 ^H | 2.7 ^H | 2.8 | 2.7 | 2.8 | 2.8 | 2.9 | 2.9 | 2.9 | 2.9 | 2.7 | 2.5 | 2.5 | 2.5 | 2.6 | |
| 20 | 2.8 | 2.6 | 2.7 ^P | 2.7 | 2.6 | 2.9 | 2.8 | 2.8 | [2.8] ^C | 2.7 | 2.7 | 2.6 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.8 ^H | 2.8 | 2.9 | 2.8 | 2.5 | 2.5 | 2.3 | 2.6 | |
| 21 | F | F | (2.7) ^F | 2.6 ^F | 2.5 ^F | 2.4 ^F | 2.6 | (2.6) ^H | (2.9) ^J | 2.6 | (2.6) ^A | 2.7 | 2.6 | 2.7 | 2.7 | 2.8 | 2.8 | 2.7 | 2.9 | 2.2 | 2.8 | 2.5 | 2.5 | 2.3 | (2.4) ^F | |
| 22 | 2.5 | 2.6 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.9 | 2.7 | 2.9 | 2.7 | 2.7 | 2.6 | 2.7 | 2.6 | 2.7 | 2.8 | 2.8 | 2.8 | 2.9 | 2.9 | A | 2.6 | 2.5 | 2.6 | 2.6 |
| 23 | 2.5 | 2.5 | 2.9 | 2.8 | 2.8 | 2.8 | 2.9 | 2.8 | 2.9 | 3.0 ^H | 2.9 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.9 ^P | 3.0 | 2.9 | 2.7 | 2.8 | |
| 24 | 2.7 | 2.7 | 2.6 | 2.5 | 2.6 | 2.6 | 2.8 | 2.9 | 2.6 | 2.4 | 2.6 | 2.8 | 2.8 | 2.9 | 2.7 | 2.7 | 2.8 | 2.8 | 2.7 | 2.8 | 3.1 | 3.0 | 2.4 | 2.4 | 2.5 | |
| 25 | 2.6 | 2.7 | 2.6 | 2.6 | 2.5 | 2.3 ^H | 2.8 | 2.9 | [2.8] ^A | 2.6 | 2.8 ^H | 2.8 ^H | 2.6 | 2.8 | 2.7 | 2.8 | 2.7 | 2.8 | 2.8 | 2.8 | 2.7 | 2.5 | 2.6 | 2.5 | 2.9 ^P | |
| 26 | 2.6 | 2.6 | 2.7 | 2.7 | 2.7 | 2.6 | 2.8 | 2.9 | 2.8 | 2.9 | 2.7 | 2.6 | 2.8 | 3.0 ^P | 2.9 | 2.8 | 2.9 | 2.8 | 2.8 | 2.8 | 2.7 | 2.8 | 2.7 | 2.6 | 2.6 | 2.6 |
| 27 | 2.6 ^F | 2.6 ^F | 2.8 ^F | 2.8 ^F | 2.7 | 3.0 | 3.2 | 3/ | 3.0 | 2.9 | 2.8 | A | A | A | A | A | A | A | A | 2.8 | 3.0 | 2.9 | 2.9 | 2.7 | 2.7 | |
| 28 | 2.7 ^F | 2.8 ^F | 2.7 ^F | 2.8 ^F | 2.8 ^F | 3/ | 3/ | 3.0 | 2.9 | 2.7 | 2.6 | 2.5 | 2.7 | 2.8 ^P | (2.8) ^J | (2.0) ^J | 2.9 | 2.9 | 2.9 | 3.0 | 2.8 | 2.8 | 2.7 | 2.6 | 2.7 | 2.7 |
| 29 | 2.8 | 2.6 | (2.8) ^F | 2.7 ^F | 2.8 ^F | 2.7 | C | C | C | 2.8 | 2.9 ^P | 2.8 | 2.9 | 2.8 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | [2.8] ^A | 2.8 | 2.8 | 2.6 | 2.6 ^F | |
| 30 | 2.7 | (2.6) ^F | (2.7) ^F | 2.7 ^F | 2.8 ^F | 2.6 | 3.0 | 2.9 | 2.9 ^H | 2.5 | 2.8 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 3.0 ^P | 3/ | 2.8 | 2.7 | 2.6 | 2.6 | 2.6 ^F | | |
| 31 | (2.6) ^J | 2.8 | 2.8 | 2.8 ^F | 2.7 | 2.9 | 3.0 | 2.3 | M | M | 2.8 | 2.8 | 2.8 | 2.8 | 2.9 | 2.9 | 3/ | [3.1] ^P | 3/ | 2.8 | 2.8 ^P | 2.7 | 2.6 | 2.7 | | |

Mean Value 2.6
Median Value 2.7
Count 29

Long. 139° 29.3' E

Sweep 1.0 Mc to 17.2 Mc in 2 min

□ Manual ☒ Automatic

(M3000)F2

Lat. 35° 42.4' N
Long. 139° 29.3' E

K 9

May 1956

135° E Mean Time

Kokubunji Tokyo

Lat. $35^{\circ} 42.4'$ N
Long. $139^{\circ} 29.3'$ E

Manual Automatic

IONOSPHERIC DATA

May. 1956

f_{min}E

135° E Mean Time

Kokubunji Tokyo

Lat. 35° 42.4' N
Long. 139° 29.3' E

| Day | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|--------------|-----|-----|-----|-----|-----|-----|--------------------|-----|-----|-------------------|--------------------|------------------|------------------|-----|-----|-----|-----|--------------------|-----|-----|-----|-----|-----|-----|
| 1 | 1.3 | 1.3 | E | E | E | 1.4 | 1.8 | 1.7 | 1.4 | 2.1 | 2.1 | 3.4 | 2.0 | 2.3 | 2.0 | 1.6 | 1.5 | 1.3 | 1.2 | 1.6 | 1.5 | E | 1.4 | |
| 2 | 1.3 | 1.2 | 1.0 | E | E | E | 1.3 | 1.5 | 1.6 | 1.8 | 2.2 | 1.7 | 3.2 | 1.4 | 1.3 | 2.1 | 1.5 | 2.1 | 1.5 | 1.3 | 1.1 | E | E | |
| 3 | E | E | E | E | 1.4 | 1.2 | 1.6 | 1.5 | 1.7 | 1.6 | 1.1 | 1.0 | 4.1 | 1.3 | 1.5 | 2.1 | 1.3 | 1.3 | 1.1 | 1.3 | 1.1 | E | E | |
| 4 | 1.2 | 1.0 | E | E | E | 1.5 | 1.6 | 1.3 | 1.7 | C | C | 1.4 | 1.4 | 1.4 | 1.4 | 1.3 | 1.3 | 1.0 | 1.4 | 1.1 | 1.2 | 1.1 | 1.3 | |
| 5 | 1.3 | 1.3 | E | E | E | 1.4 | 1.3 | 1.3 | 2.0 | 1.9 | 1.3 | 1.3 | 1.5 | 1.6 | 1.8 | 1.5 | 1.5 | 1.3 | 1.5 | 1.3 | 1.1 | 1.2 | 1.6 | |
| 6 | 1.3 | 1.3 | E | E | E | 1.4 | [1.5] ^c | 1.6 | 1.5 | 2.1 | <35 ^T | <34 ^T | C | C | C | C | C | C | C | C | C | C | C | |
| 7 | C | C | C | C | C | C | C | C | C | C | 1.7 | 1.6 | 1.4 | 3.4 | 1.8 | 2.1 | 1.5 | 2.1 | 1.1 | 1.4 | 1.2 | 1.3 | 1.2 | |
| 8 | 1.3 | 1.3 | E | E | E | 1.4 | 1.9 | 2.1 | 2.0 | 1.9 | 1.4 | 2.2 | 4.0 | 2.6 | 2.0 | 2.0 | 2.6 | 1.7 | 1.4 | 1.3 | 1.5 | 1.3 | 1.3 | 1.3 |
| 9 | 1.0 | 1.0 | E | E | 1.0 | 1.0 | 1.4 | 2.0 | 1.3 | 2.1 | 2.0 | 1.6 | 2.0 | 4.1 | 1.7 | 1.6 | 1.7 | 2.0 | 1.5 | 1.4 | 1.3 | 1.4 | 1.2 | 1.5 |
| 10 | 1.3 | E | E | E | E | 1.4 | 1.5 | 1.7 | 2.0 | 1.3 | 2.2 | 2.1 | <35 ^B | 2.1 | 1.5 | 1.5 | 1.6 | 1.4 | 1.5 | 1.4 | 1.4 | 1.4 | 1.2 | 1.5 |
| 11 | 1.3 | 1.3 | E | E | E | 1.3 | 1.3 | 1.3 | 1.5 | 2.0 | [2.1] ^c | 2.2 | 2.1 | C | C | C | C | 2.6 | 1.8 | 1.9 | 1.5 | 1.6 | 1.9 | 1.9 |
| 12 | 2.0 | 1.9 | E | E | E | 1.5 | B | B | T | <4.8 ^T | 1.8 | 2.1 | 2.2 | 2.2 | 2.0 | 2.0 | 2.0 | 2.0 | 1.5 | 1.5 | 1.5 | E | E | |
| 13 | 1.0 | 1.9 | E | E | E | 1.4 | 1.6 | 1.7 | 1.7 | 1.6 | 2.3 | 2.1 | 2.2 | 2.2 | 1.8 | 1.8 | 1.9 | 1.9 | 1.7 | E | E | 1.7 | 1.6 | |
| 14 | 1.4 | 1.0 | E | E | E | 1.5 | 1.7 | 1.8 | 1.8 | 1.6 | 2.0 | 2.2 | 2.0 | 2.2 | 2.1 | 1.9 | 1.8 | 1.6 | 1.9 | 1.5 | 1.4 | 1.5 | 1.4 | |
| 15 | 1.3 | E | E | E | E | 1.5 | 1.6 | 1.6 | 2.3 | 1.5 | 1.6 | 2.0 | 2.0 | 2.3 | 2.1 | 1.7 | 1.7 | 1.7 | 1.6 | 1.5 | 1.1 | 1.4 | 1.5 | |
| 16 | 1.6 | 1.4 | E | E | E | 1.5 | 1.6 | 1.7 | 2.0 | 2.1 | 2.0 | 4.0 | 2.0 | 2.4 | 2.0 | 1.7 | 1.5 | 1.8 | 1.6 | 1.5 | 1.4 | 1.5 | 1.5 | |
| 17 | 1.5 | 1.4 | E | E | E | 1.5 | 1.8 | 1.6 | 2.7 | 1.6 | 2.0 | 2.0 | 2.0 | 2.0 | 2.1 | 2.0 | 2.0 | 1.6 | 1.6 | 1.6 | 1.5 | 1.6 | 1.5 | |
| 18 | 1.7 | 1.5 | E | E | E | 1.5 | 1.7 | 2.0 | 2.5 | 2.1 | 2.5 | 2.1 | 2.3 | 2.0 | 2.1 | 2.0 | 2.0 | C | C | C | C | 1.7 | 1.7 | |
| 19 | 1.6 | 1.5 | E | E | E | 1.7 | 1.8 | 1.6 | 2.0 | 2.1 | 2.3 | 1.6 | 2.2 | 2.1 | 2.3 | 2.1 | 1.7 | 1.6 | 1.7 | 1.3 | 1.5 | 1.6 | 1.5 | |
| 20 | E | 1.5 | 1.0 | E | E | 1.5 | 1.6 | 1.7 | 1.7 | 1.8 | [2.0] ^c | 2.1 | 2.2 | 2.6 | 2.3 | 2.1 | 2.0 | 2.1 | 1.5 | 1.5 | 1.5 | 1.4 | 1.5 | 1.5 |
| 21 | 1.6 | 1.5 | 1.3 | 1.0 | E | 1.5 | 1.9 | 1.9 | 2.0 | 1.8 | 1.5 | 1.6 | 1.7 | 3.2 | 3.2 | 2.5 | 2.3 | 2.3 | 1.7 | 1.8 | 1.5 | 1.5 | 1.6 | 1.5 |
| 22 | 1.5 | 1.5 | E | E | E | 1.5 | 1.7 | 2.1 | 2.1 | 2.1 | 2.3 | 2.3 | 2.4 | 3.2 | 2.5 | 2.1 | 2.4 | 2.1 | 2.0 | 2.0 | 1.7 | 1.7 | 1.7 | 1.7 |
| 23 | 1.6 | 1.3 | E | E | E | 1.7 | 1.7 | 1.8 | 2.0 | 2.0 | 2.2 | 2.6 | 2.5 | 2.5 | 3.4 | 2.4 | 2.1 | 2.3 | 2.2 | 2.0 | 1.8 | 1.6 | 1.5 | |
| 24 | 1.4 | 1.5 | E | E | E | 1.5 | 1.9 | 1.8 | 2.0 | 1.5 | 2.1 | 2.1 | 2.2 | 2.5 | 2.5 | 2.4 | 2.1 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | |
| 25 | 1.6 | 1.4 | E | E | 1.0 | 1.5 | 1.7 | 2.1 | 2.1 | 2.1 | 2.3 | 2.3 | 2.4 | 3.2 | 2.5 | 2.1 | 1.8 | 1.7 | 1.7 | 1.5 | 1.2 | 1.6 | 1.5 | |
| 26 | 1.5 | 1.6 | E | E | E | 1.0 | 1.5 | 2.0 | 1.7 | 2.1 | 2.1 | 2.2 | 2.3 | 2.2 | 2.1 | 2.1 | 2.1 | 1.7 | 1.7 | 1.6 | 1.5 | 1.6 | 1.6 | |
| 27 | 1.5 | 1.5 | 1.3 | E | E | 1.5 | 2.8 | 2.7 | 2.9 | 2.5 | 2.6 | 2.8 | 2.5 | 2.0 | 3.3 | 2.5 | 1.6 | 1.7 | 1.8 | 1.6 | 1.5 | 1.5 | 1.5 | |
| 28 | 1.4 | 1.4 | E | E | E | 1.7 | 1.6 | 1.8 | 2.7 | 2.1 | 2.8 | 2.1 | 2.5 | 2.3 | 2.8 | 2.5 | 1.7 | 2.1 | 1.7 | 1.6 | 1.6 | 1.8 | 1.5 | |
| 29 | 1.6 | 1.5 | E | E | 1.0 | 1.5 | 1.8 | C | C | 2.1 | 3.3 | 2.3 | 2.4 | 2.6 | 2.3 | 2.5 | 1.8 | 1.7 | 1.7 | 1.7 | 1.2 | 1.6 | 1.6 | |
| 30 | 1.5 | 1.5 | E | E | E | 1.5 | 1.7 | 2.5 | 2.2 | 1.8 | 2.0 | 2.5 | 5.0 | 2.5 | 2.0 | 2.0 | 2.1 | 2.1 | 1.6 | 1.7 | 1.7 | 1.7 | 1.7 | 1.6 |
| 31 | 1.5 | 1.5 | E | E | E | 1.6 | 1.9 | 2.9 | 1.8 | M | 2.4 | 2.1 | 2.0 | 2.0 | 2.0 | 2.0 | 1.7 | [1.6] ^b | 1.6 | 1.6 | 1.7 | 1.7 | 1.6 | |
| Mean Value | 1.4 | 1.4 | 1.2 | 1.0 | 1.5 | 1.7 | 1.8 | 2.0 | 1.9 | 2.1 | 2.1 | 2.6 | 2.3 | 2.1 | 2.0 | 1.8 | 1.7 | 1.6 | 1.5 | 1.4 | 1.5 | 1.5 | 1.5 | |
| Median Value | 1.4 | 1.4 | E | E | E | 1.5 | 1.7 | 1.7 | 2.0 | 2.0 | 2.1 | 2.1 | 2.3 | 2.2 | 2.1 | 2.0 | 1.8 | 1.7 | 1.6 | 1.5 | 1.5 | 1.5 | 1.5 | |
| Count | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 28 | 28 | 28 | 30 | 29 | 29 | 30 | 30 | 29 | 29 | 30 | 30 | 30 | 30 | 29 | |

f_{min}E

Sweep 1.0 Mc to 17.2 Mc in 2 min
Mean Value Median Value Count

Manual Automatic

IONOSPHERIC DATA

May, 1956

135° E Mean Time

ypF2

Kokubunji Tokyo

Lat. 35° 42.4' N
Long. 139° 28.3' E

The Radio Research Laboratories
Koganei-machi, Kitatama-gu, Tokyo, Japan

| Day | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | | | | |
|-----|-------------------|-------------------|-------------------|-------------------|------------------|------------------|--------------------|-------------------|--------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------------|-----------------|-------------------|-------------------|-------------------|------------------|-------------------|-----------------|------------------|--------------------|-----------------|----|----|----|
| 1 | 80 | 80 ^P | 80 | 80 | 160 | 70 | 160 ^H | 110 | 90 ^H | 90 | 70 | 70 | 80 | 70 | 70 | 60 | 80 | 70 | 60 ^P | A | 90 | 70 | 70 | | | | | |
| 2 | 70 | 70 | 60 | 110 | 110 | 100 | 100 | 120 | 100 | 80 | 90 | 80 | 50 ^P | 80 | 80 | 70 | 70 | 70 | 70 | 60 | 70 | 60 | 70 | | | | | |
| 3 | 50 | 80 | 80 | 90 | 80 | 70 | 100 | 90 | 80 ^H | 80 | 80 | 70 | 80 ^H | 80 | 70 | 70 ^H | 90 | 80 | 70 | 70 | 70 | 70 | 70 | 80 | | | | |
| 4 | 80 | 80 | 90 | 120 | 80 | 110 | 120 | 90 ^H | 100 | C | C | 80 | [70] ^A | 60 | 50 ^H | 100 | 50 ^P | 50 ^H | 60 | 60 | 100 | 100 | 100 | 70 ^F | | | | |
| 5 | 60 ^P | 110 | 80 | 140 | 120 | 100 | 130 | 140 | 90 | 100 | 120 ^H | 80 ^H | 90 | 90 | 80 | 70 | 70 | 50 ^D | 70 | 70 | 70 | 110 | 100 | 100 | 80 | | | |
| 6 | 70 | 80 | 100 | 100 | 140 | 150 | [740] ^C | 130 | 130 | 120 | T | T | C | C | C | C | C | C | C | C | C | C | C | C | | | | |
| 7 | C | C | C | C | C | C | C | C | C | C | 100 | 90 | 120 | 80 ^P | 80 | 90 | 100 | A | A | A | A | A | A | A | C | | | |
| 8 | 80 | 70 | 90 | 100 | 80 ^F | 80 | 100 | 80 ^H | 100 | 110 ^H | 90 | 80 ^P | 80 | 90 | 80 | 70 | 80 | 80 | 80 | 90 | 100 | 90 | 90 | 90 | 90 | | | |
| 9 | 60 | 60 | 50 | 90 | 130 | 110 | 120 | 90 | 140 | 110 | 100 | 80 ^P | 80 | 90 ^P | 110 | 80 | A | A | 70 ^P | 80 | 120 | 110 | 70 | 90 | 90 | | | |
| 10 | 100 | 100 | 90 | 100 | 90 | 100 | 100 | 100 | 110 ^H | 100 | 100 ^H | 80 ^P | 90 | 110 | 70 | 80 | 90 | 90 | 90 | 100 | 100 | 100 | 70 | 70 | 70 | | | |
| 11 | 60 | 90 ^P | 80 | 100 | 90 | 110 | 100 | 90 | 110 | 100 | 100 | [80] ^C | 70 | 70 | C | T | 80 | (70) ^J | 70 | 90 | 60 | 60 | 60 | 60 | 60 | | | |
| 12 | (50) ^B | 70 | 80 | 60 | 70 | 80 | (70) ^B | T | T | 90 ^H | 80 | 80 ^H | 60 ^H | 70 ^H | 40 ^H | 90 | 70 | 70 | 70 | 70 | 70 | 60 | 60 | 110 | | | | |
| 13 | 70 | 60 | 80 | 90 | 100 | 110 | 80 | 80 | 80 ^H | 50 ^H | 60 ^H | 70 ^H | 80 ^H | 70 ^H | 80 ^H | 80 ^H | 80 ^H | 100 | 70 | 70 | 70 | 80 | 70 | 70 | | | | |
| 14 | 80 | 70 | 100 | 110 | 100 ^F | 100 ^P | 70 | 70 | 80 | 50 | U | 30 | 40 | 50 | 60 | 50 | 80 | 100 | [80] ^A | 70 | 60 | 60 | 70 | 60 | 60 | | | |
| 15 | 80 | 90 | 100 | 80 | 110 | 120 | 80 ^H | 70 | 70 | A | 80 | 60 | A | A | 70 | 70 | 70 | 70 | 70 | 70 | 80 | 80 | 80 | 80 | 80 | | | |
| 16 | 70 | 90 | 90 | 120 | 80 | 130 ^H | 90 | [70] ^A | 50 | A | (50) ^J | 110 | 60 | 70 | 70 | 100 | 110 | 90 | 100 | 100 ^K | [90] ^A | 80 ^K | 110 ^K | 80 ^K | | | | |
| 17 | 110 ^K | 90 ^K | 100 ^K | 100 ^K | 120 ^K | 110 ^H | 80 ^F | B | K | A | K | U | K | A | 50 ^K | 80 ^K | 100 ^K | 100 ^K | 90 ^K | 90 ^K | 90 ^K | 90 ^K | 90 ^K | 60 ^K | | | | |
| 18 | 110 ^K | 100 ^K | 100 ^K | 100 ^K | 60 ^K | 60 ^F | 130 ^H | 100 ^K | 70 | 110 | 100 | 100 | 50 | 70 | 90 | 80 | 60 | 70 | C | C | C | 70 | 90 | 70 | 70 | | | |
| 19 | 70 | 80 | 90 | 90 | 80 | 100 | 80 | 80 | 110 ^H | 110 ^H | 90 ^H | 80 | 70 | 110 | 100 | 100 | 100 | 90 | 120 | 90 | 90 | 110 | 100 | 80 | 80 | | | |
| 20 | 70 | 60 | 60 ^P | 100 | 100 | 100 | 140 | 90 | [100] ^C | 100 | 80 | 110 | 100 | 80 | 90 | 90 | 90 | 90 | 90 | 110 | 130 | 80 | 100 | (180) ^F | | | | |
| 21 | F | F | (80) ^F | (80) ^F | 70 ^F | 80 ^F | 80 ^F | 170 | (120) ^H | A | A | 120 | 110 | 90 | 80 | 70 | 70 | (50) ^P | 50 | 80 | 70 | 80 | 70 | 60 ^F | 80 | | | |
| 22 | 90 | 70 | 80 | 80 | 90 | 110 | 70 | 70 | 120 | 110 ^H | 80 ^H | 70 | 70 | (50) ^P | 50 | 80 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | | |
| 23 | 90 | 90 | 70 | 90 | 90 | 100 | 90 | 90 | 120 | 110 ^H | 80 ^H | 70 | 70 | 60 | 100 | 100 | 100 | 130 | 80 | 120 | 80 | 80 | 70 | 100 | 100 | | | |
| 24 | 90 | 60 | 70 | 90 | 90 | 100 | 80 | 90 | 110 | 90 | 90 | 80 | 70 | 70 | 80 | 80 | 100 | 100 | 100 | 120 | 60 | 80 | 80 | 80 | 80 | 80 | | |
| 25 | 60 | 50 | 90 | 140 | 90 | 110 ^H | 80 | 90 | 100 ^H | 80 | 90 | 50 ^H | 90 | 70 | 80 | 100 | 100 | 120 | 60 | 90 | 90 | 90 | 70 | 60 ^P | 60 ^P | | | |
| 26 | 90 | 100 | 90 | 100 | 90 | 100 | 100 | 110 | A | 10 | 120 | 90 | 80 | 90 ^P | 90 | 90 | 80 | A | A | 100 | 70 | 80 | 80 | 120 | 80 | 80 | | |
| 27 | 90 ^F | 90 ^F | 80 ^F | 80 | 90 | 80 | A | 80 | 90 | A | A | 70 | 110 | 90 | 70 | 70 | (50) ^J | 100 | 70 | 70 | 60 | 60 | 60 | 60 | 60 | 60 | | |
| 28 | 80 ^F | 80 ^F | 60 ^F | 90 ^F | 40 | 80 | 130 | 100 | 120 | 90 | 80 | 60 ^P | (90) ^J | 90 | 70 | 50 | 80 | 80 | 80 | 70 | 70 | 60 | 60 | 60 | 60 | 60 | 60 | |
| 29 | 80 | 100 | (80) ^F | 60 ^F | 70 ^F | 100 | C | C | 120 | A | 90 | 110 | 60 | 80 | 80 | 90 | 110 | 90 | 100 | A | A | A | A | 80 | 80 | 80 | 80 | |
| 30 | 70 | (70) ^F | (90) ^F | 70 ^F | 90 ^F | 70 | 60 | 90 | 90 ^H | U | 80 | B | 50 | 80 | 60 | 60 | 80 ^P | 60 | 90 | 80 | 90 | 90 | 70 ^F | 70 ^F | 70 ^F | | | |
| 31 | (80) ^F | 80 | 70 | 80 ^F | 90 ^F | 150 | 80 | 70 | U | M | M | 40 | 50 | 80 | 60 | 60 | 60 | L60 ^B | 60 | 110 | 70 ^P | 80 | 80 | 80 | 80 | 70 | 70 | |
| | Mean Value | 80 | 80 | 90 | 100 | 100 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 |
| | Median Value | 80 | 80 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 |
| | Count | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 29 | 26 | 23 | 24 | 22 | 25 | 26 | 27 | 28 | 29 | 28 | 25 | 27 | 25 | 26 | 29 | 30 | 30 | 30 | 30 |

Sweep 1.0 Mc to 17.2 Mc in 2 min Manual Automatic

IONOSPHERIC DATA

May. 1956

135° E Mean Time

f₀F2

Lat. 31° 12.5' N
Long. 130° 37.7' E

Yamagawa

| Day | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | | | |
|-----|--------------------|---------------------|---------|---------------------|--------------------|---------------------|--------|---------------------|---------|--------------------|----------|---------------------|---------------------|---------|--------|--------|--------|---------------------|--------------------|---------------------|---------------------|--------------------|--------------------|--------------------|---------|-----|------|
| 1 | 10.4 ⁵ | 9.7 | 9.5 | 9.5 | 7.2 | 6.2 | 6.5 | 7.0 | 10.0 H | 13.0 H | 14.2 H | 14.5 H | 14.8 H | 14.6 H | 14.5 H | 13.7 H | 13.6 | 13.7 | 9.7 S | 8.6 | 9.8 S | S | | | | | |
| 2 | 5 | 13.0 ⁵ | 9.3 | 7.0 H | 6.8 | 7.5 | 7.5 | 9.3 | 9.0 H | 9.5 H | 10.6 H | 11.6 H | 12.4 | 12.5 H | 11.8 | 11.0 | 10.1 H | [10.1] ⁵ | 12.0 | [0.3] A | 8.6 | [8.7] ⁵ | 8.8 | | | | |
| 3 | 5 | 9.5 | 10.5 | 9.2 | 8.0 J | 7.8 | 8.5 | 8.3 | 9.5 | 9.5 H | 10.5 | 11.3 | 12.1 | 11.5 H | 13.0 H | 13.7 H | 14.7 H | 14.5 H | 13.7 | S | S | S | 12.2 | | | | |
| 4 | 11.7 | 11.7 | S | S | 9.0 | 8.9 | 9.9 | 10.4 | 11.0 H | 11.9 H | 12.3 | 12.7 | 12.6 H | 13.0 | 13.5 H | 12.9 H | 12.3 | S | S | 9.5 | [9.6] ⁵ | 9.8 | | | | | |
| 5 | A | S | S | 8.4 | 8.7 | [84] ⁵ | 8.1 | 10.0 H | 11.1 J | 11.2 | 12.2 | 13.3 | 13.7 | 13.8 H | 13.7 H | 14.0 | 14.5 H | 13.8 | 12.4 P | S | S | S | S | | | | |
| 6 | S | S | 8.0 J | 6.5 | 6.5 | 6.3 | 5H | S | 8.7 H | 9.0 H | 11.0 | 10.8 | 11.7 | 12.2 H | 13.6 H | 13.7 H | 13.2 | [11.8] P | [0.2] ⁵ | 8.5 | S | S | S | | | | |
| 7 | 8.4 | 8.1 | 7.4 | 6.5 | 6.5 | 6.5 | 8.1 | 9.8 | 9.0 H | 9.5 H | 10.0 H | 10.3 H | 11.8 H | 12.3 H | 12.5 H | 12.6 H | 11.8 H | 12.1 H | 13.0 | [11.7] P | 9.8 | S | S | | | | |
| 8 | 11.0 S | 10.5 | 10.0 | 7.2 | 6.4 | 6.3 | 7.7 | 9.6 | 9.9 H | 10.1 | 10.6 H | 11.1 | 12.6 | 15.0 | 14.7 P | 14.0 H | 13.5 H | 12.7 H | A | 10.5 | [10.4] ⁵ | 10.2 | [9.8] ⁵ | | | | |
| 9 | 9.5 | 9.6 | 8.7 S | 9.0 | 8.4 | 7.1 | 8.9 | [10.6] ⁵ | 9.0 H | 10.0 | 11.0 J | 11.5 H | 12.0 | 12.2 H | 13.4 H | 12.0 | 11.4 H | 11.8 H | 12.5 H | 9.6 | 8.5 | 10.0 H | 10.2 | 9.3 | | | |
| 10 | 10.3 | 10.3 | [9.4] F | 8.6 | 8.4 | 8.3 | 9.1 | 9.3 | 8.9 | 9.5 H | [10.5] H | [10.5] ⁵ | 11.5 H | 12.4 H | 13.4 H | 13.7 H | 14.0 H | 14.0 H | 14.3 H | 13.7 | 13.0 | S | S | 12.5 | | | |
| 11 | F S | B | S | 12.8 | S | S | 10.3 J | 9.5 | 9.5 | 9.8 H | 9.6 | 11.0 H | 11.9 H | 12.9 V | 13.6 H | 13.6 H | 13.6 H | 13.5 H | 12.0 S | [10.9] ⁵ | 9.8 | 10.0 | 10.5 S | 10.5 | | | |
| 12 | 11.5 | [11.2] ⁵ | 11.0 | [10.0] ⁵ | 9.0 | 8.5 | 9.6 | S | C | SH | S | 12.1 H | 12.7 H | 13.3 H | 13.0 H | 13.0 H | 13.0 H | 12.7 H | 12.6 H | 12.6 H | 11.7 | 9.7 | S | S | 9.8 | | |
| 13 | 10.6 | 10.5 | 9.7 J | 9.9 H | 10.1 S | [10.8] ⁵ | 11.4 | 10.5 | 11.7 H | 12.1 H | 11.3 H | 12.7 H | 13.3 H | 13.0 H | 13.0 H | 13.0 H | 12.7 H | 12.5 H | 12.6 H | 11.1 | 10.0 S | 11.1 J | 9.7 S | 11.1 | | | |
| 14 | 12.3 | [0.6] ⁵ | 8.9 | 8.2 | 8.4 | 9.0 | 9.5 | 9.0 | 9.3 | 10.1 | 8.6 | 8.5 | 9.0 | 9.7 | SH | 9.2 | 7.9 | 7.9 | 9.0 | 8.3 | 8.5 | [7.9] ⁴ | 7.3 | [7.6] ⁵ | | | |
| 15 | 7.8 S | [7.9] ⁵ | (8.0) J | 7.2 | 6.7 | 6.5 | 6.6 H | 7.0 H | 7.4 H | 7.5 H | 8.0 | [8.8] A | 9.5 | [9.8] A | 10.0 | 10.4 H | 10.6 | 10.2 | 9.6 | 9.2 | 9.2 | [9.6] ⁵ | 10.0 S | 9.2 | | | |
| 16 | [8.8] ⁵ | 8.3 | 8.0 H | 7.1 | 7.0 H | 6.4 H | 7.2 H | 7.3 | A | M | A | A | A | A | A | 10.6 H | 11.1 H | 11.0 H | 11.7 H | 12.5 H | 11.0 | 7.3 H | 6.4 K | [6.8] A | 7.3 K | | |
| 17 | 6.3 K | 6.3 K | 5.7 K | 5.7 K | 6.1 K | 5.4 K | 6.2 K | A K | A K | A K | A K | A K | A K | A K | A K | 6.9 K | 7.2 K | 8.4 K | 8.9 K | 8.8 K | 9.7 K | 9.5 K | 6.8 K | 7.4 K | S K | | |
| 18 | S K | 6.6 K | 7.3 K | 6.0 K | 5.0 K | 4.8 K | 6.2 K | 8.0 H | 8.7 | 9.2 | 9.7 H | 10.5 H | [10.5] A | 10.5 H | 10.1 H | 9.7 H | 10.0 H | 10.1 H | SH | S | 9.5 | [9.2] ⁵ | 9.0 | 8.8 | | | |
| 19 | 9.3 | 7.8 H | (7.9) P | 7.4 | 7.0 | 6.8 | 8.0 H | 9.6 | 8.6 | 8.9 | 9.1 H | 10.5 H | 11.2 H | 12.1 H | 13.0 H | 12.2 H | 10.0 H | 9.5 | A | A | S | 10.4 S | S | | | | |
| 20 | 9.8 S | [9.4] ⁵ | 9.0 | 8.2 | [7.6] ⁵ | 7.0 | 8.1 | 9.7 S | 9.2 H | 9.6 H | 9.8 H | [10.9] H | 11.2 H | 12.0 H | 12.1 | 12.0 H | 12.1 | 12.2 H | 12.0 | 10.2 | [10.6] ⁵ | (11.1) J | A | F S | | | |
| 21 | F S | F S | F S | 6.3 F | [6.5] F | 6.7 | 8.5 H | 8.4 | 7.0 | [8.0] A | 8.9 | 9.5 H | [10.5] ^M | 11.5 H | 11.2 H | 11.1 H | 11.3 H | 11.0 H | 10.6 | 9.0 | 8.6 | 8.7 | 8.6 | 8.6 | | | |
| 22 | 8.8 | 8.9 | 8.3 | 7.0 | 6.5 H | 6.5 | 7.9 | 8.5 | 8.9 H | 9.0 H | 9.2 H | 9.7 H | 11.1 | 11.6 H | 12.8 H | 13.0 | 13.0 H | 13.0 H | 13.0 | 13.0 H | S | C | C | C | | | |
| 23 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | 9.7 H | 10.0 H | 11.2 H | 12.5 H | 13.0 H | 13.0 H | 12.2 | 12.8 | [11.1] S | (9.4) P | S | 10.5 |
| 24 | S | S | S | S | S | S | 8.7 J | [0.2] ⁵ | 11.7 | [1.4] ⁵ | 11.0 H | 10.5 H | 12.2 H | 12.0 H | 11.6 H | 11.7 H | 12.3 H | 11.8 H | 11.0 H | 11.2 H | 8.0 | S | F S | S | | | |
| 25 | S | S | S | S | S | S | 9.8 | F S | F S | F S H | 8.2 | 7.1 H | 6.7 H | 8.0 H | 8.1 H | 10.5 H | 10.5 H | 11.1 H | 11.0 H | 9.5 H | 10.5 H | [10.0] S | 9.5 | 9.0 | 8.7 | 8.8 | |
| 26 | 8.0 | 7.3 | 7.3 | 7.8 | 7.3 H | 8.2 | 9.0 | 9.5 | 10.0 H | 10.0 | [10.8] A | 11.7 | 12.3 | 11.6 | 11.7 | 13.0 H | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 11.6 S | 10.5 H | 10.2 | 9.3 | | |
| 27 | 9.0 F | 8.6 | F | F | F | 8.0 | 7.2 | 8.4 | [8.8] A | 9.2 | [10.3] A | 11.4 | 11.5 H | 13.0 H | 13.1 H | 12.0 H | 12.2 H | 13.2 | 13.7 | 13.0 | 9.5 | 9.4 | 9.5 | 9.6 | | | |
| 28 | 9.8 | 10.0 | 9.9 J | 9.9 | 8.8 | 9.0 | 8.7 | 9.3 J | 9.3 | 9.0 H | 8.6 H | 9.6 H | 10.5 H | 13.0 H | 13.5 M | 13.8 H | 13.1 H | 12.4 | 12.0 | A | S | A | 8.5 | | | | |
| 29 | 9.0 | FSH | F S | S | S | 8.4 | 9.0 | 10.0 | 8.6 H | A | A | A | A | A | A | 11.9 H | 12.9 J | 13.0 | 13.4 | 12.8 | A | A | 12.6 J | [11.6] S | 10.5 J | S | |
| 30 | S | S | F S | 10.4 | [9.4] ⁵ | 8.3 Y | 8.5 | 9.4 | 7.1 | 6.4 H | SH | 11.0 H | 10.6 | 9.9 H | 10.6 | 10.7 H | 11.0 H | 11.0 H | 9.7 | 8.7 | S | S | S | 8.6 | | | |
| 31 | 8.7 | 8.3 | 7.9 | 7.7 | 7.0 | 7.5 | 7.4 | 7.9 | 8.5 | 9.8 | S | S | S | S | S | 11.6 H | 10.6 H | 10.6 S | 9.6 | 8.7 | (8.3) S | SH | S | 7.3 | | | |

Mean Value
Median Value
Count

Value
Value
Count

1.0 Mc in 22.0 Mc in 1 min
1.0 Mc in 22.0 Mc in 1 min

f₀F2

f₀F2

Y 1

IONOSPHERIC DATA

May. 1956

$\mathrm{F}'\mathrm{F}2$

135° E Mean Time

Lat. 31° 12.6' N
Long. 130° 37.7' E

Yamagawa

| Day | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | |
|-----|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|
| 1 | 280 | 280 | 250 | 240 | 200 | 280 | 240 | 230 | 240 | 260H | 250H | 280H | 270H | 280H | 260H | 280H | 260A | 280H | 280 | 250 | 230A | 270A | 300 | 300 | |
| 2 | 300 | 290 | 240 | 200 | 250H | 340 | 260 | 240 | 260H | 250H | 290H | 290H | 250H | 270 | 320A | 260H | [260]A | 250 | [250]A | 250 | 250 | (280)A | 300 | 300A | |
| 3 | 290 | 270 | 240 | 230 | 260 | 240 | 230 | 240 | 240 | 240H | 300A | 320 | 340 | 290H | 280H | 250H | 240H | 270 | 240 | 220 | 240 | 240 | 290 | 310A | |
| 4 | 300A | 340 | 250 | 250 | 280A | 240 | 250 | 250 | (260)A | 270H | 270H | 300 | 300 | 290H | 270H | 260A | A | 280A | 270 | 270 | 270 | 270 | 270 | 270 | |
| 5 | 340 | 340A | 290 | 270 | 300 | 240 | 250 | 270H | 270H | 270A | 270A | 290A | 320 | 270H | 250H | 320 | 270H | 270 | 270 | 270 | 270 | 270 | 270 | 310 | |
| 6 | 290 | 280 | 280 | 260 | 270 | 370 | 380 | 250H | 250H | 240H | 250H | 350A | 320 | 330 | 290H | 290H | 270 | 250 | 240 | 250 | 250 | 270 | [290]A | 290A | |
| 7 | 300 | 300 | 280A | 260 | 270 | 260 | 250 | 240 | 250H | 250H | 240H | 250H | 250H | LH | 290H | 240H | 250H | 250H | 270 | 240 | 240 | 300A | 340A | 290 | |
| 8 | 290 | 260 | 240 | 220 | 260 | 280 | 240 | 260 | 240H | [260]A | [290]A | A | A | 300 | 300A | 280H | 250H | 280A | A | A | A | 260A | 270A | 310A | 320A |
| 9 | 330A | 330 | [290]A | 250 | 250 | 260 | 250 | 240 | 230A | 230A | [290]A | (350)A | [340]A | 320A | 320 | 290H | 250H | 280A | 250 | 240 | 320A | 320A | (400)A | 300 | |
| 10 | 300 | 300 | 300 | 300A | 290 | 250 | 250 | 240 | 230 | 240H | 240H | 250H | 280 | 250 | 240 | 270 | 270 | 280 | |
| 11 | 270F | 260 | 250 | 240 | 220 | 230 | 240 | 230 | 270H | 270H | 290A | 250H | 270H | 270H | 390A | (370)A | 340 | (370)A | 340 | (320)A | 250H | 250 | 250 | 300 | |
| 12 | 300 | 270 | 270 | 240 | 240 | 260 | 270 | 250 | 240 | C | C | 250H | 360 | 250H | 260H | 260H | 260H | 300A | 260 | 240 | 300 | 300 | 300 | 320A | |
| 13 | 290 | 290 | 300H | 320H | 300 | 290 | 260 | 240 | 250H | 250H | 250H | 250H | 250H | 260H | 260H | 270H | 270H | 260 | 240 | 290 | 290 | 290 | 300 | 300 | |
| 14 | 270 | 250 | 290A | 250 | (350)A | (390)A | A | A | A | (390)A | 340A | [370]A | [400]A | [370]A | 5H | 320 | (350)A | 250H | 280 | 290 | (300)A | [300]A | 290 | 300 | |
| 15 | 320 | 310 | 290 | 370A | 340 | 280H | 280H | 250H | 250H | [320]H | (400)A | [380]A | [370]A | [360]A | 360A | 300A | 300A | 300A | 300 | 270 | 290A | 300A | [320]A | 350 | |
| 16 | 330A | 290 | 300A | 300A | 350A | 360H | 290 | A | M | A | A | A | A | A | 270H | 250H | 250H | 250H | 250H | 240H | 240 | 240H | A | K | 360A |
| 17 | 400A | 350 | 350 | 390 | 350 | [380]A | (410)B | A | A | A | A | A | A | A | 300H | 250H | 250H | 270H | 270H | 260H | 250 | 310K | 350K | 340K | |
| 18 | 330 | 350 | 280 | 280 | 300 | 320A | 270H | 270H | 240H | 270 | 270 | 250H | 250H | [280]A | [280]A | [280]A | 270H | 270H | 240H | 240H | 260 | 260 | 280 | 290 | |
| 19 | 260 | 250H | 280 | 280 | 290 | 240H | 240 | 260 | 240H | 270H | 270H | 200H | 200H | 250H | 290H | 290H | 250H | 280H | 280H | 240H | 240H | 240H | 340A | 300 | |
| 20 | 290A | 270 | 300A | 300A | 270 | 240 | 250 | 250 | 240H | 250H | 250H | 220H | 220H | 300A | [300]A | [300]A | 290H | 290H | 340A | 280H | 260 | 250 | 250 | [380]A | 370F |
| 21 | 330A | 260F | 300 | 330A | 350 | 270H | 240H | 280 | 240 | (270)A | [240]A | [240]A | [240]M | [240]M | 260H | 280H | 280H | 260H | 260H | 250 | 250 | 250 | 310A | 330 | |
| 22 | 330 | 300A | 300A | 280A | 300H | 280 | 250 | 240 | 240H | 260H | 270H | 340 | 300H | 240H | LH | 320A | 250H | 250H | 250H | 250H | 250 | 250 | 250 | C | C |
| 23 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | | |
| 24 | 290 | 290A | 330 | 270 | 300A | 250A | A | A | AH | 310A | 340A | 270H | 290H | 290H | 250H | 250H | 250H | 250H | 250H | 250H | 230 | 230 | 230 | 370F | |
| 25 | 290 | 320A | 300A | 280 | 300F | 330A | 270H | 250 | 220H | 250H | 250H | 280H | 250H | 240H | 250A | 250H | 260H | 270H | 270H | 280H | 260 | 260 | 260 | 290 | |
| 26 | 300A | 350 | 370A | 300 | 290 | 250 | 240 | 250 | 250H | 250H | (350)A | [340]A | 330 | 300 | 270 | 350 | H | 250 | 290 | 280 | 250A | 240 | 260A | 300A | |
| 27 | (330)A | 350A | 340F | 290 | 230 | 240 | 270 | [300]A | A | A | A | 220H | 240H | 250H | 300 | 270 | 240 | 220 | 220 | 310A | 310A | 330 | | | |
| 28 | 300A | 270 | 300A | 290 | 280A | 240 | 240 | 250 | 250H | 270H | 330H | 240H | 280A | 290H | 230H | 250H | 250H | 280H | 270A | 270A | [280]A | 300A | [320]A | | |
| 29 | 320A | (300)A | 320A | 300A | 300A | 280 | 250 | 240 | 240H | A | A | A | AH | (320)A | 340A | 310 | A | A | A | 260 | 240 | (270)A | 320A | 310F | |
| 30 | 320 | 280 | 260 | 290 | 280 | 290 | 250 | 250 | 270A | 230A | 240H | 290H | 320H | 300 | 270H | 240H | (300)A | 220 | 260A | 260 | 300A | [340]A | 360 | | |
| 31 | 310 | 290 | 280 | 300 | 290 | 250 | 250 | (300)A | [320]A | 350 | A | A | A | 250H | 300H | 300 | 270H | 270H | 280A | 250H | 250H | 330 | 340 | | |

Mean Value 310 300 280 280 290
 Median Value 300 290 280 280 290
 Count 30

$\mathrm{F}'\mathrm{F}2$

Sweep 1.0 Mc to 22.0 Mc in 1 min
 Manual Automatic

IONOSPHERIC DATA

May. 1956

135° E

Mean

Time

fEs

Lat. 31° 12.5' N
Long. 130° 37.7' E

| Day | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | |
|--------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|------|-----|
| 1 | 2.3 | 2.3 | 2.1 | 2.4 | 2.4 | E | E | E | E | 3.8 | 5.9 | G | B | G | G | 5.9 | 6.6 | 5.9 | 6.5 | 3.8 | 3.3 | 3.5 | 5.9 | 3.4 | |
| 2 | 5.9 | 3.4 | 5.9 | 2.4 | 2.4 | 2.4 | 3.6 | 4.0 | 4.9 | 5.1Y | 5.9 | 5.4 | 5.5 | 6.5 | 6.3 | 5.7 | 8.9 | 3.5 | 13.0 | 4.1 | 3.5 | 3.5 | 3.0 | | |
| 3 | 2.4 | 3.3 | 2.4 | 2.9 | 3.6 | 2.6 | 2.6 | 3.2 | G | 5.0 | 5.6 | 8.1 | 8.9 | 7.4 | 6.8 | 5.9 | 5.9 | 3.8 | G | 3.5 | 6.4 | 2.3 | 2.3 | 13.0 | |
| 4 | 6.5 | 8.3 | 5.9 | 4.5 | 5.9 | 5.9 | 4.8 | 5.9 | 8.9 | 8.2 | 5.9 | 6.7 | 6.5 | 8.9 | 8.5 | 6.4 | 8.9 | 13.5 | 6.6 | 7.0 | 6.6 | 5.9 | 8.9 | 5.9 | |
| 5 | 5.9 | 5.9 | 5.9 | 5.9 | 4.8 | 2.3F | 3.8 | 5.1 | 8.8 | 8.0 | 8.9 | 11.5 | 8.9 | 5.9 | 6.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.5 | 4.6 | 5.9 | 3.7 | 2.3 | |
| 6 | 2.2 | 2.4 | 2.3 | 2.3 | 2.3 | 2.4 | 3.3 | 3.7 | 5.9 | 5.9 | 8.8 | 9.2 | 8.0 | 8.2Y | G | B | G | G | G | 3.1 | 3.0 | 3.1 | 5.9F | 3.6 | |
| 7 | 3.2 | 3.6 | 3.7 | 2.3 | 2.3 | E | G | G | 5.0 | 6.5 | B | G | G | G | G | G | G | G | 4.9 | 3.3 | 3.2 | 8.9Y | 5.9 | | |
| 8 | 2.4 | 3.0 | 2.3 | 2.3 | 2.3F | 2.3 | 2.3 | 3.5 | G | 8.5 | 6.5 | 9.3 | 6.5 | 12.6 | 9.2 | 6.8 | 5.7 | 8.9 | 13.2 | 13.4 | 6.6 | 5.0 | 6.1 | 5.9 | |
| 9 | 5.9 | 5.9 | 7.0 | 5.8Y | 5.9Y | 3.4 | 2.4 | 3.6 | 5.8 | 7.7 | 8.8 | 12.7 | 8.1 | 11.5 | 9.8 | 6.2 | 5.9 | 5.7 | 3.8 | 3.6 | 7.0 | 5.9 | 8.9 | 5.9 | |
| 10 | 2.4 | 2.8 | 3.1 | 2.4 | 2.3F | 2.3F | 3.2 | 4.9Y | 5.9 | 5.2 | 5.9 | 8.7 | 5.9 | B | B | G | G | G | 4.9 | 4.2 | 5.9 | 3.3 | E | 2.3 | |
| 11 | 2.3 | 3.6 | 3.3 | E | E | 2.3F | G | G | 5.9 | 6.7 | 6.5 | 6.0 | 7.8 | 11.0 | 8.7Y | 6.5 | G | G | G | 2.3 | 2.4 | 2.4F | E | 5.9 | |
| 12 | 5.1 | 5.9 | 5.9 | 3.5 | 3.3 | 2.3 | 3.2 | G | C | C | C | 5.9 | 5.9 | B | G | G | G | 3.8 | 13.0 | 9.2 | 5.9Y | 3.2 | 3.5 | 5.9 | |
| 13 | 5.9 | 5.9 | 2.3 | 3.1 | 3.0 | 3.7F | 3.3 | G | 5.9 | 5.9 | 5.3 | 5.9 | G | B | G | G | G | G | 1.9 | E | 2.1 | 2.3 | 3.2 | 3.2 | |
| 14 | 3.8 | 5.9 | 5.9 | 7.0 | 6.5 | 7.8 | 8.2 | 7.2 | 7.2 | 7.3 | 6.5 | 8.0 | 8.9 | 12.0 | 5.9 | 7.0 | 8.9 | 4.7 | 3.7 | 7.7 | 8.9 | 3.2 | 3.0 | 3.0 | |
| 15 | 2.3 | 2.3 | 3.4 | 2.3 | 4.8 | 2.4F | 3.4 | G | 4.8 | 5.9 | 8.9 | 13.5 | 11.5 | 13.8 | 12.6 | 5.9 | 7.2 | 5.9 | 5.9 | 5.1 | 5.3 | 5.6 | 5.1 | 5.1 | |
| 16 | 4.6 | 3.8 | 3.3 | 5.9 | 2.3 | E | 3.6 | 5.9 | 8.2 | M | 15.2 | 12.5 | 15.5 | 9.8 | 5.2 | G | G | G | G | E | E | 5.2 | 8.9 | 8.9 | |
| 17 | 5.9 | 2.4F | 2.4 | 3.8F | 3.3F | 6.5 | 3.8 | 8.9 | 8.9 | 9.0 | 6.5 | 7.2 | 8.7F | 5.9 | 5.6Y | G | G | G | G | 3.5 | 2.1 | E | E | 3.1 | |
| 18 | 2.3 | 5.9 | 3.3 | 2.3 | 3.8 | 3.8 | 3.6 | G | 5.1Y | 4.9 | G | 13.8 | 13.0 | 5.8Y | 7.0 | G | G | G | G | 1.8 | 3.0Y | E | 2.1 | E | |
| 19 | 2.4 | 2.9Y | 2.3F | 2.2 | 2.3 | 2.3 | G | G | 5.9 | 5.9 | 8.9 | 13.5 | 11.5 | 13.8 | 12.6 | 5.9 | 7.2 | 5.9 | 5.9 | 8.0 | 7.0 | 8.9 | 5.0 | 3.1 | |
| 20 | 3.1 | 2.3 | 6.1 | 5.9 | 3.7 | 24 | G | G | G | 6.6 | 5.9 | 5.9 | 4.9 | 8.9 | 8.9 | 13.8 | 6.2 | 8.8 | 5.9 | 9.5 | 5.9 | 8.9 | 6.8 | 9.0 | 3.2 |
| 21 | 5.1 | 3.9 | 2.4 | 3.5F | 5.9 | 5.0 | G | G | 6.5 | 5.9 | 13.0 | 8.4 | 9.5 | M | G | G | G | G | G | 3.3 | 2.4 | 5.9 | 2.4 | 3.1 | |
| 22 | 3.2 | 5.9 | 5.5 | 3.8 | 5.9 | 2.4F | 5.2F | G | G | 4.8 | 6.2 | 5.5 | 5.2 | 5.7Y | G | G | 8.9 | 5.9 | 6.5 | C | 3.2 | C | C | C | |
| 23 | C | C | C | C | C | C | C | C | C | C | C | 8.9 | 5.9 | 5.9 | 5.8 | 8.7 | 6.3 | 5.9 | 7.5 | 8.0 | 7.4 | 7.2 | 8.9 | 3.1 | 2.3 |
| 24 | 5.9 | 7.0 | 5.9 | 2.9 | 4.4 | 3.8 | 3.6 | 8.7 | 8.9 | 8.9 | 6.9 | 5.9 | B | B | G | G | G | G | 2.3 | 3.1 | 2.4 | 2.1 | 2.4 | 3.1 | |
| 25 | 3.8 | 5.0 | 5.9 | 2.4 | 2.3 | 2.1 | G | 5.0 | G | G | G | B | 5.9 | 6.2 | B | G | G | G | 3.5 | 3.0 | 3.1 | 5.9 | 5.9 | 5.9 | |
| 26 | 3.8 | 5.9 | 7.0 | 3.7 | 5.0 | 2.3F | G | G | 4.6 | 5.9 | 8.9 | 13.1 | 12.1 | 7.7 | 4.9 | C | 5.0 | 5.8 | 6.2 | 5.1 | 4.6 | 5.9 | 5.9 | 9.3 | |
| 27 | 8.9F | 9.5 | 8.5 | 6.4 | 5.9F | 3.3 | 3.6 | 5.9 | 8.9 | 7.8 | 13.8 | 5.9 | 5.7 | 8.3 | 5.9 | 8.1 | 7.0 | 5.2 | 3.8 | 2.3 | 6.6 | 5.9 | 6.8 | 6.8 | |
| 28 | 6.6 | 7.0 | 8.9 | 6.5 | 5.9 | 3.2 | 4.6 | 5.7 | 5.0 | 5.9 | 9.8Y | 5.9 | 5.1 | 5.7 | 5.9 | G | G | 5.2 | 5.0Y | 13.2 | 9.0 | 9.2 | 5.9 | 5.9 | |
| 29 | 5.9 | 5.9Y | 8.2 | 5.9 | 6.5 | 5.9 | 5.9 | 5.9Y | 12.5 | 13.0 | 12.4 | 13.0 | 13.0 | 6.5 | 13.5 | 13.5 | 5.9 | 3.8 | 6.5 | 5.9 | 3.3 | 5.9 | 3.3 | | |
| 30 | 5.9 | 3.7 | 4.9 | 5.9Y | 6.4 | 2.3F | 3.7 | 5.2 | 6.2 | 8.9 | 8.9Y | 6.5 | B | 8.9Y | 9.5 | 5.9 | 6.5 | 5.9 | 5.9 | 2.4 | 5.9 | 7.5 | 8.8Y | 5.9 | |
| 31 | 5.9 | 5.9F | 3.5 | 3.2 | 2.3 | 2.3 | G | 3.8 | 6.0 | 8.5 | 9.1 | 9.7 | 10.5 | 6.4 | 10.0 | 5.9 | G | B | 3.7 | 5.9Y | 5.9 | 5.9 | 2.1 | 2.0 | |
| Mean Value | 4.4 | 4.7 | 4.0 | 4.1 | 3.3 | 4.0 | 5.0 | 6.2 | 7.0 | 8.1 | 8.6 | 8.4 | 8.7 | 7.9 | 6.5 | 7.0 | 8.0 | 6.3 | 5.0 | 4.9 | 5.2 | 5.0 | 5.0 | 5.0 | |
| Median Value | 4.2 | 4.4 | 3.6 | 3.5 | 3.4 | 2.4 | 3.2 | 3.6 | 5.8 | 6.5 | 6.5 | 6.9 | 7.6 | 8.2 | 5.9 | 5.9 | 5.0 | 4.9 | 4.0 | 3.8 | 5.4 | 5.0 | 3.5 | 3.5 | |
| Count | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 30 | 29 | 27 | 27 | 31 | 30 | 31 | 30 | 30 | 31 | 30 | 30 | 30 | 30 | 30 | |

Range 1.0 Mc to 22.0 Mc in 1 min Manual Automatic

fEs

Y 3

SOLAR RADIO EMISSION

MAY, 1956

Observing Station: HIRAI SO

Frequency: 200 Mc/s

Flux in $10^{-22} \text{w.m.}^{-2}(\text{c/s})^{-1}$, 2 polarizations

Time in U.T.

Daily Data

| Date | Steady Flux | | |
|------|-------------|-------|----------------|
| | 00-03 | 03-06 | Daily Averages |
| 1 | 9 | 10 | 9 |
| 2 | 9 | 8 | 9 |
| 3 | 7 | 10 | 8 |
| 4 | 8 | 9 | 9 |
| 5 | 10 | 8 | 9 |
| 6 | 7 | 6 | 6 |
| 7 | 7 | 8 | 7 |
| 8 | 18 | 13 | 16 |
| 9 | 9 | 9 | 9 |
| 10 | 21 | 30 | 27 |
| 11 | 29 | 27 | 28 |
| 12 | 15 | 16 | 16 |
| 13 | 36 | 24 | 30 |
| 14 | 15 | 17 | 16 |
| 15 | 6 | 9 | 8 |
| 16 | 7 | 8 | 8 |
| 17 | 8 | 8 | 8 |
| 18 | 15 | 7 | 11 |
| 19 | 9 | 9 | 9 |
| 20 | 11 | 11 | 11 |
| 21 | 27 | 20 | 24 |
| 22 | - | 11 | - |
| 23 | 13 | 9 | 12 |
| 24 | 10 | 10 | 10 |
| 25 | 10 | 10 | 10 |
| 26 | 10 | 12 | 11 |
| 27 | 20 | 21 | 21 |
| 28 | 12 | 13 | 12 |
| 29 | 26 | 31 | 28 |
| 30 | 10 | 12 | 11 |
| 31 | 16 | 11 | 14 |

Outatanding Occurrences

| Date | Starting Time | Duration | Type | Peak Flux | Time |
|---|--|--------------------------------|----------------------------|---------------------------------------|--|
| 2 | 0845-30s | 30s | SD | 660 | - |
| 4 | 0640 | ca 40m | M | 300 190 270 | 0657-50s 0705-20s 0709-40s |
| 5 | 0355-30s 0609 | 30s 30s | SD SD | 220 260 | - - |
| 8 | 0608-30s | 4m | CD | 112 | 0609-30s |
| 10 | 0006-10s | ca 25m | CA | 460 520 150 | 0006-20s...1st peak 0007-30s...2nd peak 0016 ...3rd peak |
| | 0140-10s 0226-30s | 40s 30s | SA SA | 365 570 | - - |
| | 2053 | ca 20m | SA(+M) | 1100 | 2103-30s |
| 11 | 0056 0442-30s | 1m30s 50s | CA CA | 300 520 | 0056-30s - |
| | 2358-00s | 1m40s | CD | 260 | - |
| 12 | 0002-00s 0302-20s | 1m 20s | CD CD | 180 290 | - - |
| 18 | 0110-30s 0129 0837 | 50s 7m 3m | CD CD SD | 400 >2500 >2500 | - 0133-30s 0838-30s |
| | 2045-30s 2230-20s | 50s 1m20s | SD CD | 860 1900 | - - |
| 19 | 0004-00s | 2m30s | CD | 1500 | 0004-30s |
| 31 | 0457-30s 0625-20s 0739-00s 0746-40s 0811-10s | 3m 4m 1m30s 2m 40s | CD CD CD CD CD | 1800 >2500 560 >2500 2200 | |
| The other small bursts occasionally appeared in the afternoon | | | | | |

IONOSPHERIC DATA IN JAPAN FOR MAY 1956

電波観測報告 第8巻 第5号

1956年7月1日 印刷
1956年7月5日 発行

(不許複製非売品)

編集兼人
発行人

藤木栄
東京都北多摩郡小金井町小金井新田一之久保573

発行所

郵政省電波研究所
東京都北多摩郡小金井町小金井新田一之久保573
電話国分寺 138, 139, 151

印刷所

今井印刷所
東京都新宿区筑土八幡町8番地
電話九段(33) 2304
