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

IONOSPHERIC DATA IN JAPAN

FOR AUGUST 1955

Vol. 7 No. 8

Issued in September 1955

Prepared by

THE RADIO RESEARCH LABORATORIES

KOKUBUNJI, TOKYO, JAPAN

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CONTENTS

PREFACE

The origin of ionospheric sounding in Japan dates back to 1931 and the results of the work have been published in the form of the monthly "Ionospheric Data in Japan" since 1949. As a result of the reform of administrative structure of the Japanese Government effective on August 1, 1952, the observation, data coordination and publication were handed over to the charge of the Radio Resarch Laboratories newly set up within the Ministry of Postal Services.

The Radio Research Laboratories consists of three Divisions, i. e., First, Second and Administrative Divisions, located in Tokyo and five local radio wave observatories established at Wakkanai, Akita, Hiraiso, Inubo and Yamagawa, respectively.

The First Division has the following three sections:

Ionospheric Propagation Section which shall carry on researches on ionosphere and wave propagation;

Tropospheric Propagation Section which shall carry on researches on troposphere and wave propagation; and

Data Coordination Section which shall conduct the collection and arrangement of observational results, supply of operational data relating to radio propagation, preparation of radio propagation forecasts and radio disturbance warnings broadcast of URSIGRAM and physical basic studies of wave propagation in general.

The Second Division has the following two sections:

Frequency Standard Section which shall carry on researches on the frequency standard and broadcast the standard frequencies and time signals (J. J. Y.); and

Apparatus Section which shall carry on researches on radio apparatus used for radio regulatory purpose and conduct the approval service of types of radio equipments.

The Administrative Division shall conduct the general affairs of the Laboratories.

The ionospheric sounding is, as heretofore, being carried out by the four observatories at Wakkanai, Akita, Kokubunji (Tokyo) and Yamagawa.

This report prevides the results of ionospheric sounding with symbols determined and in the form established on an international basis in the same way as followed by the former Radio Regulatory Commission and it is hoped that it will make any contribution toward the progress in world-wide short wave communications.

This report is intended for distribution on request to the largest possible number of organizations concerned all over the world, and any and every information that the organizations concerned might forward to us in exchange therefor would be highly appreciated.

Shogo Amari
Chief, Radio Research Laboratories,
Ministry of Postal Services

Aug, 1952

SITES OF THE IONOSPHERIC STATIONS

Ionospheric observation is carried out at the following four stations 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

REMARKS ON SYMBOLS

All symbols in the table are used in accordance with "Production and Reduction of Ionospheric Data Standards. Symbols and Conventions (Recommendation No. 6 of Stockholm) at VIth Plenary Assembly C. C. I. R. Geneva, 1951" except f_{min} E and f_{min} F for E and F regions respectively instead of f_{min}, taken as f_{min} s in the above Resolution, in order to avoid the interruption of preceding form of data.

SOLAR RADIO EMISSION

Data on solar radio emission observed at Hiraiso Radio Wave Observatory has appeared from Vol. 6 No. 8 (F-68).

The location of the Observatory is as follows:

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

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

IONOSPHERIC DATA

Aug. 1955 | **foF2** | **Wakkanai** | Lat. 45° 23.6' N, Long. 141° 41.1' 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	Fs	F	F	F	Fs	4.5F	5.2	A	A	5.5	5.3	5.5	A	A	A	A	A	A	5.5	5.7	(6.6)F	Fs	A	sF
2	F	F	F	F	(3.7)F	4.3	A	A	5.6	A	A	A	A	A	A	5.9	5.5	5.3	5.5	6.3	sA	s	A	6.5
3	Fs	F	F	4.0F	(4.0)F	4.9F	[6.1]A	7.3	8.0	5.5	A	A	6.0	5.9	5.6	5.3	5.3	5.6	5.6	6.5	7.1	(6.3)F	5.7	A
4	A	A	(4.0)F	4.5F	[4.8]A	5.2F	5.7	A	A	A	A	C	A	A	A	4.9	5.1	5.3	5.5	7.0	6.4	Fs	Fs	Fs
5	(5.5)F	5.5F	(5.5)F	F	F	(4.5)Fv	5.6	5.7	5.6	6.1	5.2	5.0	4.9	5.3	[5.3]A	5.3	A	A	A	6.0	[6.4]s	6.7	(5.8)Js	Fs
6	F	Fs	Fs	F	F	4.3	A	A	A	5.3	4.9	A	A	A	A	4.9	5.0	5.3J	5.8	6.8J	7.0J	Fs	Fs	Fs
7	F	(4.0)F	(3.5)F	(3.7)Fs	3.9F	4.1	4.0	5.3	[5.1]A	4.9	A	B	B	B	4.8V	4.7	5.3	A	A	A	5.8	5.7J	[5.6]Fs	5.6
8	[5.3]F	(5.0)F	4.5	4.3F	(3.8)F	4.3	4.7	6.0	7.1	[6.4]A	5.7	5.9	6.0	[6.0]A	6.0	5.8	5.6	5.7	[6.3]A	7.0	7.8	6.4	5.3	6.0
9	5.8	(5.3)Fs	(5.0)F	(4.6)F	[5.0]F	(5.3)F	5.6	A	A	A	5.2	5.6	A	A	5.3	5.6	5.8	5.6	A	A	A	F	sF	sF
10	sF	F	F	F	F	4.5V	5.6	6.1	5.3	[5.6]A	5.9	5.8	5.6	5.7	[5.5]A	5.3	5.4	5.5	5.3	5.3	6.3J	6.0	Fs	sF
11	Fs	Fs	Fs	3.8J	4.0F	(4.3)Fs	(4.5)F	[5.8]A	5.0	[5.0]A	5.0	A	A	A	A	(4.8)F	A	A	5.2	A	A	(6.0)F	F	Fs
12	A	F	F	F	(4.2)F	4.5	5.7	6.3J	A	A	A	A	5.9	A	A	6.0	5.7	5.8	[6.2]A	6.5	A	A	A	A
13	A	A	A	(4.3)F	(4.6)F	4.8F	5.7	6.8J	6.5	6.6J	6.0	6.2	A	A	6.1	6.0	5.6	5.7	5.8	A	A	sF	sF	F
14	F	F	F	F	(5.0)F	(6.0)F	6.1	7.5	C	C	C	C	C	7.0V	6.6	6.4	6.0	5.9	6.6	7.8P	8.0	7.5	F	F
15	(5.2)F	4.0F	(4.0)F	(4.2)F	(4.0)F	(4.5)F	5.0	5.9	A	A	A	C	A	A	5.3	5.6	A	A	A	6.5	[6.1]A	(5.7)F	A	A
16	Fs	Fs	F	F	F	(5.0)F	[6.4]A	7.8	7.6	6.0	6.2	5.7	A	A	5.8	5.3	5.2	5.8	7.1J	7.8	[7.3]sF	6.8	[5.6]sF	4.6Fs
17	sF	Fs	Fs	Fs	(4.4)Fs	4.5	5.5F	5.6	6.4	A	A	A	6.3	5.6	5.2	5.6	A	A	A	7.2	7.2	[6.6]A	(6.0)sF	As
18	A	Fs	Fs	Fs	A	4.0	(5.3)Fs	A	A	A	A	6.2	6.0	[5.6]A	5.3	5.2	5.6	5.3	5.4	A	A	(7.0)Ps	6.1	(4.5)F
19	(3.9)Fs	(3.8)F	4.4	4.0F	(3.5)Fv	3.5	4.3	5.0	6.0	4.5	5.0	5.8	5.7	5.7J	5.8	5.2	4.9	5.3	5.0	[5.6]A	6.3	(5.9)Fs	Fs	Fs
20	Fs	F	F	F	F	4.0F	A	A	5.2	A	A	5.0	5.2	5.0	5.2	5.3	5.0F	4.6	4.7	S	Fs	5.3	[4.8]A	4.3
21	4.1	3.8	4.0	(4.1)Fs	(3.6)Fs	4.3	4.0	(4.8)F	5.8	5.5	5.7	5.0	5.8	5.8	5.4	5.2	5.0	5.3	5.3	5.8	6.2	5.8	5.9	4.5
22	4.2	4.2	4.1	4.2	F	F	5.0F	6.0	6.0	6.5	5.8	5.3	5.3	5.4	5.8	5.3	5.3	5.3	5.3	6.0	5.8	5.6	(5.0)s	(4.6)Fs
23	(4.0)Fs	(4.0)F	(4.0)F	(3.9)sF	3.8	4.4	5.5	5.8	5.0	5.0V	6.0J	5.5	6.0J	4.7	5.5	5.3	5.4	5.6	5.5	5.8	(6.0)s	6.2	5.0	sF
24	sF	sF	A	A	Fs	(4.0)F	[5.2]A	6.5	7.0	6.0	(5.5)J	5.5	A	A	A	5.5	(5.0)P	5.1	5.1	6.1	(6.8)Fs	(6.8)Fs	sF	A
25	A	A	A	(4.0)Fs	[4.0]F	(4.0)F	6.1	6.5	6.5	5.3	6.3	6.2	5.3	6.0	5.8	5.3	5.3	4.8	5.3	6.2	Fs	Fs	4.7	4.6
26	4.0	4.0	4.0F	(3.9)F	3.6F	4.3	5.0	5.3	5.6	5.7	5.8	5.3	5.0	5.6	(5.6)B	5.8	5.3	[5.3]A	5.3	6.5	6.5	6.5	4.5	(3.4)F
27	(4.0)F	3.6	(3.6)F	(3.6)F	(4.0)Fs	4.2	5.3	5.3	5.8	5.6	6.1	6.0	[5.6]A	5.3	5.1	5.3	5.6	[5.6]A	5.6	(7.3)Js	7.3J	6.3J	5.3	4.2Fs
28	4.0F	(3.7)BF	[4.0]F	(4.4)BF	4.3F	4.1	5.3	5.8	C	C	C	C	C	C	C	C	C	6.8	7.6	8.8J	8.8J	6.0	4.5	4.1
29	4.0	4.0	3.5	3.4	3.1	3.3	4.2	5.2	5.1	5.3	4.8	5.3	5.3	5.4	5.0	5.5	5.5	A	A	S	(7.2)s	6.0	4.0V	3.4
30	3.0	3.2	3.3	3.2	3.0	3.6	5.0	5.3	[5.4]A	5.8V	5.5P	5.9H	5.2	5.3	5.8	6.0	6.0	5.9	C	C	C	C	C	C
31	C	C	C	C	C	C	C	C	C	C	C	C	C	C	6.2	6.1	6.4	6.0	6.0	7.1	6.5	6.5	5.5	4.5
Mean Value	4.4	4.2	4.1	4.0	4.0	4.4	5.4	6.0	6.0	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.4	5.5	5.7	6.4	6.8	6.3	5.2	4.6
Median Value	4.0	4.0	4.0	4.0	4.0	4.3	5.3	5.8	5.8	5.6	5.7	5.6	5.6	5.6	5.5	5.3	5.4	5.6	5.5	6.5	6.6	6.2	5.3	4.5
Count	13	14	15	18	21	29	27	23	21	20	19	19	17	17	23	29	25	24	24	23	22	22	17	14

The Radio Research Laboratories
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IONOSPHERIC DATA

Aug. 1955 | **f'F2** | **Wakkanai** | Lat. 45° 23.6' N, Long. 141° 41.1' 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	AF	320^{F}	310^{F}	280^{F}	280	350	340^{A}	A'	A	350	440	370	A	A	A	A	A	A	290	340	330	250	[260]^{A}	260
2	310	270	290	270	300	270	A	A	A	A	A	A	A	A	A	320	320	320	290	280	A	A	A	250
3	[280]^{Es}	300	260^{F}	250	260	300^{L}	[300]^{A}	300	260	270	A	A	350^{A}	360	340	350^{A}	350	310	300	280	250	300	300^{A}	A
4	A	A	320	290	[280]^{A}	270	260	A	A	A	A	C	A	A	A	400	400	350	330	310	290	280	260	290^{F}
5	300	280	310	(340)^{F}	310	400	320	320	390	350	450	460	480	420	[390]^{A}	360	A	A	A	350	320	250	260	360
6	310	280^{A}	310^{F}	340^{F}	250	290^{L}	A	A	A	370	500	A	A	A	A	460	470	[420]^{A}	360	290	290	300	290	250
7	320	310	310	290	280	350	610	310	[360]^{A}	400	A	B	B	B	A	A	400	A	A	A	310	310	310	310
8	280	340	300	350	310	300	300^{A}	370	290	[300]^{A}	300	380	350	[350]^{A}	350	330	330	320^{A}	A	A	300	290	[300]^{A}	310
9	290	250	310	350^{A}	300^{A}	300^{A}	340	A	A	A	420	370	A	A	350^{L}	370	330	330^{A}	A	A	A	340	300^{F}	270
10	260	280^{F}	270^{F}	250^{F}	290	260	360	280	320	[320]^{A}	310	410	350	430	[410]^{A}	360	330	310	280	A	A	260	300	310
11	300	270	310	310^{A}	350	350^{A}	A	A	410	[440]^{A}	470	A	A	A	A	(470)^{F}	A	A	340	A	A	280	290	310
12	[310]^{A}	310	270	270	[280]^{A}	290^{L}	300	300	A	A	A	A	400^{A}	A	A	320^{A}	360	300	[300]^{A}	300	A	A	A	A
13	A	A	A	290	270	240	310	270	290	300	330	360	A	A	330	320	320	310	360	A	A	SF	A	290
14	270	280	290	260	280	230	280	290	C	C	C	C	C	360	300	320	320	320	350	280	260	220	250	270
15	270	270	320	310	350^{F}	260	330	A	A	A	A	C	A	A	440	360	A	A	A	A	A	260	A	A
16	350^{F}	310^{F}	310^{F}	300^{F}	290	270	[280]^{A}	300	260	310	300	350	A	A	350	380	350	360	310	260	260	280	300	380^{A}
17	280	250^{F}	260	260	260	260	310	300	320	A.	A	A	320	320	400^{L}	340	A	A	A	300^{A}	300	[300]^{A}	290	A
18	A	290	290	270	[260]^{A}	240	250	A	A	A	A	300^{A}	310	[320]^{A}	340	380	280	310^{L}	310	A	A	260	250	240
19	310	360	300	260	270	260	370	310	290	350^{L}	460	330	330	350	330	350	320^{L}	300	A	A	260	270	300^{F}	310^{F}
20	[280]^{A}	260	260	320	270	270	A	A	320	A	A	350^{A}	350	400^{A}	350	320	320	300^{L}	290	300	240	260	[280]^{A}	290
21	310	310	300	250	260	230	240	370	300	280	280	460	350	300	320	350	320	280	260	260	260	250	250	260
22	270	260	270	280	260	250	260^{L}	270	290	270	300	330	360	360	320	310	300	280	270	250	250	260	260	260
23	280	280	270	250	250	250	270^{L}	240	290	440	340	360	270	(400)^{L}	330	360	300	290	260	260	260	230	290	260
24	260	250^{F}	A	A	290	300^{F}	[280]^{A}	260	260	280	300	270	A	A	A	360	300	280	270	260	310	250	260	A
25	A	A	A	280^{F}	280	270	270	460	250	300^{A}	290	280	380	290	300	300	300	270	300^{A}	300^{A}	260	270^{Fs}	240	260
26	240	260	260	250	250	250	260	260	280	270	260	360	400	340	320	300	320^{A}	[310]^{A}	300	300^{A}	260	230	230	280
27	300^{F}	310	320	(380)^{A}	300	290	260	250	250	270	320	320	[320]^{A}	310	360^{A}	320	320	[320]^{A}	320	270	250	220	240	270
28	270	240	270^{F}	260	260	240	260	230	C	C	C	C	C	C	C	C	C	310	270	290	230^{F}	240	300	270
29	280	300	310	310	290	270	320^{L}	300	360	370	350	370	400	320	370^{A}	330	320	A	A	270	250	260	230	270
30	340	310	300	270	260	250	270	300	[300]^{A}	290	310	300^{H}	320^{L}	360^{L}	340	310	290	260	C	C	C	C	C	C
31	C	C	C	C	C	C	C	C	C	C	C	C	C	C	300	310	300	270	270	260	250	260	240	240
Mean Value	290	290	290	290	270	280	310	300	300	330	350	350	360	350	350	350	320	300	300	290	270	270	270	280
Median Value	280	280	300	280	280	270	290	300	290	310	320	360	350	350	340	340	320	310	300	280	260	260	270	270
Count	25	27	27	29	30	30	26	21	20	20	19	19	17	17	22	28	26	25	22	21	22	27	26	25

f'F2

Sweep 1.0 Mc to 22.0 Mc in 1 min ☐ Manual ☒ Automatic

W 2

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

IONOSPHERIC DATA

Aug. 1955 | **fEs** | 135° E Mean Time | **Wakkanai** | Lat. 45° 23.6' N, Long. 141° 41.1' 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	5.8	4.5^{F}	4.3^{F}	3.5	4.5	G	6.0	10.0	9.0^{F}	7.0^{F}	4.7	6.0	8.5	12.5	12.0	9.0	>9.5^{e}	11.5	8.5	6.7	6.0	9.5	8.5^{F}	6.0
2	6.0	2.5^{F}	2.5	4.0	3.5	6.5	6.2	7.3^{Y}	6.1	12.5	14.5	8.0	7.7	7.5	7.8	8.0^{Y}	6.0	5.0	3.5	5.5	7.0	6.0	7.5	9.0
3	4.5	5.5	2.3^{F}	3.0	5.5	4.0	6.5	6.0	3.6	9.5	7.5	9.5	6.5	6.3	5.3	5.3	8.0	6.0	4.5	6.0	4.5	6.0	7.0	6.5
4	6.5	6.0	4.0	3.5	5.0	3.5	3.9	6.6	10.0	9.2	13.0^{F}	C	10.5	6.0	4.8	5.3	7.6	6.0^{Y}	5.8	7.5	3.0	4.5	3.3	3.0
5	2.5	2.3	9.0^{F}	7.0	3.5	4.0	4.5	5.3	6.0	6.1	5.3	G	5.3	5.2	8.7	11.5^{Y}	8.0	6.2	8.0	6.5	8.0	4.5	3.7	5.5
6	7.0	5.8^{Y}	4.3^{F}	4.5^{F}	3.5	3.5	5.3	6.5	6.2	5.0	G	10.5	5.3	5.7	6.0	5.7	5.3	7.5	4.5	5.0	7.0	7.0	5.0	2.5
7	2.5	2.1	2.3	2.0	2.3^{Y}	3.5	4.0^{Y}	4.8	5.0	6.0	7.0^{Y}	G	G	G	6.0	6.0	6.0	7.5	7.1	12.5	5.0	6.5	4.5	4.0
8	3.5	5.0^{F}	4.0^{F}	4.0^{F}	3.5	3.5^{Y}	5.6	5.3	6.7	7.8	G	4.3	5.0	9.0	5.0	4.1	5.3	6.5	14.7	8.0	5.3	7.0	7.0	5.3
9	4.5	4.0	5.3	6.0	4.0	6.5	5.6	8.0	8.0	10.0	6.3	6.0	9.5	7.7	5.0	5.0	5.1	8.0	9.5	8.5^{Y}	7.1	5.5	3.5	5.3
10	3.5^{F}	3.5^{F}	3.0^{Y}	2.5	E	2.6	5.7	5.5	6.4	8.6	5.3	4.8	4.7	6.1	10.5	G	7.5	5.5	4.5	6.4	6.3	3.5^{Y}	6.5	6.0
11	5.3^{F}	5.7^{Y}	3.8	4.0	4.5	5.0	5.0	7.0	4.7^{Y}	6.0	5.5	5.2	8.5	6.5	9.2	6.5^{F}	9.8	10.5	9.0	11.0	12.5	8.0	9.0	9.0
12	6.5	6.0^{Y}	6.0	6.5	5.0	4.5^{Y}	4.7	10.0	7.0	11.2	9.5	8.5	7.5	9.0	7.0	6.5	5.7	6.1	7.5	6.5	9.0	9.0	7.5	12.5
13	11.0	7.0^{F}	6.5	3.5	4.1^{Y}	2.5	5.5	5.3	6.3	6.0	6.0	6.5	8.5	9.0	5.3	4.0	4.5	6.0	6.5	9.3	9.0	7.2	10.0	6.0
14	3.5	4.0^{F}	3.5^{F}	3.0	3.5^{Y}	G	5.5	5.8	C	C	C	C	C	4.8	G	G	4.2	G	6.5	3.5	4.8	3.5	4.0^{F}	3.5
15	3.5	2.3	2.3	2.5^{F}	2.8	3.0	7.2	6.2	7.2	12.5	11.5^{Fy}	12.5	7.2	8.0	G	7.8	12.0	10.6	14.0	9.5	8.0	6.5	9.0	10.8
16	6.0	4.5	6.5	7.5	6.1	4.1	8.0	8.0	6.5	10.5^{F}	10.5^{Y}	8.0	8.0	6.5	G	G	4.5	4.6	7.5	6.5	7.5	6.6	6.5	5.0
17	4.5	3.5	2.5	3.5	3.2	3.5	7.6	5.3	5.3	12.0	11.0	8.0	4.3^{Y}	G	G	4.8	10.5	10.5	9.0	9.0	6.0	10.0	4.5	7.0
18	7.8	3.5	3.5^{F}	6.0	6.5	3.5	4.8	8.0	8.0	10.5	13.5	6.0	5.0	13.5	6.2^{Y}	5.2	G	G	4.6	8.0	8.0	6.0	3.1	3.5
19	2.5	4.0	5.2	2.5	2.6	2.5	4.1	5.0	5.4	6.2	7.5	5.9	6.5	4.5	4.1	G	4.1	4.1	5.6	7.5	5.0	4.5	5.2	4.0^{F}
20	5.3	4.0^{F}	4.0	4.5	6.3	4.0^{Y}	5.3	7.1	5.3	8.0	8.0	8.5	10.0	9.0	5.6	4.7	4.1	5.0	3.5	4.5	5.0	4.2	5.7	4.0
21	5.0	4.0	2.7	2.5	2.6	3.4	4.0	4.6	4.8	4.5	G	4.2	4.2	G	G	G	G	4.5	4.2	4.0	3.5	3.0	3.0	2.6
22	3.1	3.5	2.6	4.5^{Y}	3.5	2.8	3.5	4.2	4.8	4.0^{Y}	G	G	4.2	G	G	G	G	G	3.5	3.5	3.0	3.5	4.0	4.0
23	4.1	3.3	2.5	2.0	2.0	2.6	3.5	6.1	5.3	4.5	4.1	G	G	4.2	4.1	G	G	G	3.5^{F}	3.0	3.5	4.0	4.2	5.0
24	6.5	4.0	7.5	9.0	6.0	4.0	7.5	5.3	5.3	4.9	G	6.0	10.0	6.3	9.2	4.0	4.0	4.6	4.6	5.0	7.5	7.5	7.5	7.1
25	7.8	6.0	6.0	3.5	3.5	4.0	5.3	9.0	6.1	5.3	4.5	4.8	G	G	4.5	5.3	5.3	6.5	5.7	6.7	5.3	5.3	5.7	5.0
26	E	2.5	3.0	2.6	2.5	3.0	3.5	4.8	4.7^{Y}	5.0	5.1^{Y}	4.2	G	G	4.2	5.3	6.3	6.3	4.5	4.5	4.5	3.9	3.0	3.1
27	2.8	5.3	3.5	3.5	5.3	5.3	6.0	7.3^{Y}	6.0^{Y}	5.1	6.1	7.5^{Y}	7.5	6.0	5.3	G	5.1	12.5	5.6	5.3	4.3	3.6	4.7	4.0
28	4.0	E	4.0	2.0	2.6	3.5	4.1	5.3	C	C	C	C	C	C	C	C	C	4.7	6.0	5.5^{Y}	5.0	4.0	3.5	3.5^{Y}
29	2.5	2.9^{Y}	3.5	3.5	3.5^{Y}	5.2	5.1	4.2	4.3^{Y}	5.0	G	G	G	G	7.2^{Y}	G	5.3	6.5	7.2	5.0^{Y}	5.0	4.5	3.5	4.0
30	3.5	2.5	3.4^{Y}	3.5^{F}	2.6	2.5	4.3	5.5	8.0	5.3	G	G	G	5.3^{Y}	5.3	5.8	5.3	4.4	C	C	C	C	C	C
31	C	C	C	C	C	C	C	C	C	C	C	C	C	C	G	G	G	4.0	3.7	2.7	3.0	4.0	2.8	2.5^{Y}
Mean Value	4.8	4.1	4.1	4.0	3.9	3.8	5.2	6.3	6.1	7.4	7.9	6.6	7.0	7.2	6.4	6.0	6.2	6.7	6.4	6.4	6.0	5.6	5.4	5.3
Median Value	4.5	4.0	3.6	3.5	3.5	3.5	5.3	5.9	6.0	6.2	5.8	6.0	5.9	6.0	5.3	4.9	5.3	6.0	5.8	6.5	5.3	5.4	4.8	5.0
Count	30	30	30	30	30	30	30	30	28	28	28	28	28	29	30	30	30	31	30	30	30	30	30	30

fEs | Sweep 1.0 Mc to 22.0 Mc in 1 min | ☐ Manual ☒ Automatic | **W 3**

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

IONOSPHERIC DATA

Akita

Lat. 39° 43.5' N
Long. 140° 08.2' E

Aug. 1955 | **foF2** | 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	A	A	4.3F	4.2F	4.0JF	4.0F	5.2	6.9	[6.6]A	6.3	A	A	A	A	A	A	6.5	6.4	[6.2]A	5.9P	6.3JF	A	A	F
2	F	F	3.7JF	3.9JF	3.7JF	4.7	4.4	5.5	8.0	8.0	5.7	A	A	A	A	7.0	6.3	5.6	5.7	6.1P	6.1	F	F	F
3	F	5.0F	[4.2]F	3.5F	3.6F	4.0	5.9P	7.6	7.3	[6.6]A	5.8J	[6.0]A	6.2	[6.4]A	6.5	6.7	[6.6]A	6.5	6.7	6.7	7.2	5.6	4.9	A
4	A	F	4.4F	[4.2]F	4.1F	4.7F	5.7F	[5.8]A	5.8P	C	C	B	5.1	5.7	5.9J	A	A	5.6	C	C	C	C	C	C.
5	C	C	C	C	C	C	C	C	C	6.3	5.6	6.1	6.3	[6.0]A	5.7J	A	A	5.2	5.6	[6.0]A	6.5JF	6.2F	6.2JF	F
6	A	6.5JF	5.9JF	4.6F	4.6F	4.0F	4.1	4.8	5.7	[5.2]A	4.8	4.8	A	A	A	4.8	5.6	5.7	6.5	6.8	6.8P	5.9P	A	F
7	A	4.6	4.4F	4.2F	4.1F	4.3	4.3	5.5	4.8	5.6	A	A	4.7	G	G	A	4.6J	A	A	6.1	6.0P	5.6Z	[5.4]A	4.8P
8	4.6	4.6F	4.5F	4.5F	3.1F	4.1F	5.1	6.5	[6.0]A	6.2P	5.6	A	A	5.8P	[6.2]A	6.7	6.6	5.7	A	A	6.6F	6.9JF	F	F
9	5.0JF	5.6JF	5.1F	6.1JF	4.5F	4.7F	5.4	A	A	A	A	A	A	A	A	A	6.3	6.2	5.2Z	6.7	7.1	6.9F	6.8F	6.8
10	6.5F	5.7F	5.0F	5.1ZF	4.7F	4.7F	5.7	6.6	A	C	C	C	6.6	6.2	A	A	6.0P	5.9	5.6	[6.1]A	6.6F	F	F	F
11	F	A	F	4.1F	4.5F	4.1F	A	A	A	C	C	C	C	C	C	C	5.7	[5.5]A	5.3	5.7	6.6	A	A	A
12	4.4F	4.0F	4.1F	4.0F	3.8F	4.1F	5.9	7.0	5.9	5.6	6.1P	5.4	6.5	6.8	6.5	6.3	6.2	5.6	6.0P	6.9	7.1F	7.0F	6.5F	AF
13	A	A	4.4JF	4.0F	4.1F	4.6F	5.9P	7.1	A	A	A	6.2	6.6	7.1	6.4	6.0	6.0P	6.0P	6.0	7.1	7.1	6.6F	6.1JF	F
14	F	4.6F	5.0F	4.7F	5.0F	4.7F	5.6	7.4	6.2	[6.3]A	6.4	6.3	6.7	7.5	8.0	6.9	6.5	6.2	7.2	8.8P	7.6P	7.0F	5.6	5.4
15	4.6F	4.6F	4.2F	4.3F	4.4F	4.4F	5.5	6.5	A	A	A	5.5	[5.8]A	6.0	6.1	[5.6]A	5.1	5.0	A	A	7.2	A	A	A
16	AF	4.9F	4.9F	4.8F	4.0F	4.1F	5.3	C	C	A	A	5.7	6.1	6.0	5.8P	6.1	5.3	A	A	(9.0)P	7.1Z	[5.9]A	4.7	4.2
17	[4.0]A	3.9F	4.0F	[3.7]A	3.4F	3.6F	[4.8]A	6.1	7.0	6.4	6.1	6.4	5.9	5.9J	5.5	5.9	5.4	A	A	7.1	[6.9]A	6.7	A	A
18	3.9JF	5.1F	[4.8]AF	4.4F	3.9F	4.0F	5.1	6.0	7.0	6.4Z	7.0	6.7	A	A	5.4	5.5	5.3	5.1	5.9	7.7	7.7	6.5	[6.1]AF	5.7
19	4.0F	[3.8]A	3.5	3.5	3.0F	3.5	4.5	5.4	6.8	5.2	[5.6]A	5.9	5.9	6.7	6.6	5.5	5.6	A	A	5.9	6.3F	5.5	5.5F	5.1
20	4.3POF	4.7F	4.7F	4.0F	3.7	3.6VF	4.7	5.5	A	A	A	6.0J	[5.8]A	5.5	5.5	5.6	(5.4)P	4.9	[5.4]A	5.9	5.5F	F	4.9F	4.3F
21	4.1	3.9	3.9	4.0F	3.9	3.5	3.8	5.3	5.9	5.7	5.5	5.7	5.8P	6.0J	5.7	5.6	5.3	5.0	5.4	6.5	6.2	6.2J	4.5F	3.9P
22	4.1F	4.0F	4.2F	3.9	3.8	4.0F	5.3	5.8P	6.6	6.9	5.5	[5.3]A	5.1	6.0J	6.0J	5.5	6.0	[5.5]A	5.0J	6.9	6.6	5.0	4.8F	4.5F
23	4.2F	3.6F	3.6F	3.6F	3.6F	3.9	5.9P	5.7	5.7	5.8P	5.5	[5.6]A	5.6	5.2	5.4	6.0P	5.6	6.3	6.3	6.0P	5.7F	6.0JF	5.6AF	5.2F
24	4.2F	[4.2]A	4.1F	3.8F	3.7F	3.9JF	4.8	7.1	A	A	A	5.4	[5.4]A	5.5	5.4	5.5	5.6	5.4	5.5	6.0P	5.8P	A	AF	A
25	4.6F	4.1F	3.6ZF	4.0F	3.9ZF	3.7F	[5.3]A	6.9	6.6	A	A	6.2	[6.0]A	5.9J	5.1	5.8J	5.6	5.3	4.2	5.0F	6.8JF	F	F	4.5F
26	3.8F	3.8F	3.8F	3.8F	3.5F	3.9F	4.8	6.9J	6.8P	6.7	A	A	5.1	6.0J	A	A	A	6.6	6.6	7.2	7.7	A	A	A
27	A	A	3.6F	3.7F	3.8F	3.9F	[4.7]A	5.5	5.9J	5.3	A	C	C	C	C	C	C	C	C	C	C	C	C	C
28	C	C	C	C	C	C	C	C	C	C	C	C	C	C	5.4	5.7	6.6	6.9	8.0	8.6	[6.6]A	4.5	4.0	3.8
29	3.9	3.9P	(3.9)P	4.6	3.5	3.6	4.5	5.1	5.6	5.5	5.5	5.5	5.8J	5.8J	5.9J	5.5	6.1J	6.2	6.6	[7.2]A	7.9	5.6	3.5	3.1
30	3.2	3.3	2.8J	A	A	3.5F	5.1	5.6	6.0J	[5.8]A	5.6	5.6	5.4	5.9J	6.2	6.6	7.0	6.7	6.2J	6.4J	6.0	6.1	5.5	4.1
31	3.5	3.6V	3.5	3.6	3.5	3.5	4.9	6.8	6.0J	6.6	6.5	6.3	6.2	6.1	6.5	6.2	6.8	6.6	[6.8]A	7.0	7.2	6.3	4.5	4.3
Mean Value	4.4	4.4	4.2	4.2	3.9	4.0	5.1	6.2	6.3	6.1	5.8	5.8	5.8	6.1	6.0	6.0	5.9	5.8	6.0	6.7	6.7	6.1	5.3	4.6
Median Value	4.2	4.2	4.2	4.0	3.8	4.0	5.1	6.0	6.0	6.2	5.6	5.8	5.8	6.0	5.9	5.8	6.0	5.7	6.0	6.7	6.6	6.2	5.4	4.5
Count	18	23	28	28	28	29	28	26	21	20	16	20	22	23	23	22	27	26	23	27	29	20	18	15

foF2

Sweep 0.85 Mc to 22.0 Mc in 2 min ☐ Manual ☒ Automatic

A 1

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

IONOSPHERIC DATA

Aug. 1955 | h'F2 | 135° E Mean Time | Akita | Lat. 39° 43.5' 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	A	A	350	310^{F}	290^{F}	[340]^{A}	390	A	A	350	A	A	A	A	A	A	310	290	[300]^{A}	310^{A}	300^{F}	A	A	250^{F}
2	300^{F}	320	310^{F}	290^{F}	310^{F}	250	490	390	270	270	280	A	A	A	A	300	300	L	310	270	270^{F}	A	AF	AF
3	300^{F}	290^{F}	310^{A}	[300]^{AF}	290^{F}	320^{L}	[300]^{A}	290	290	[380]^{A}	490	A	A	A	360	A	A	A	290	270	250	290	270	A
4	A	310^{F}	320^{F}	[300]^{A}	290^{F}	300	290	[320]^{A}	350	C	C	B	550	420	380	A	A	370	C	C	C	C	C	C
5	C	C	C	C	C	C	C	C	C	340	400	400	320	A	A	A	A	340^{L}	340	[320]^{A}	310^{F}	310^{A}	320^{F}	A
6	A	310^{F}	300^{AF}	300^{A}	280	A	L	450	420	[520]^{A}	620	540	A	A	A	610	400	390	330	[300]^{A}	270	280	[300]^{AF}	310
7	[320]^{A}	340	320	300	310	330	370	390	500	330	A	A	630	G	G	A	410	A	A	310	320	310	[300]^{A}	290
8	320^{F}	310^{F}	320	290	290	280	360	340	[320]^{A}	310	360	A	A	390	[350]^{A}	310	500	320^{A}	A	A	300^{F}	310	310	310
9	360^{F}	320^{F}	290^{F}	300^{F}	300^{F}	250^{F}	260	A	A	A	A	A	A	A	A	A	330	320	A	320	270	[280]^{A}	300^{F}	290
10	280	310	260^{F}	270	300^{F}	260	330	A	A	C	C	C	340	340	A	A	350	310	290	[320]^{A}	340^{F}	290	330^{F}	280^{F}
11	A	A	310^{F}	320^{F}	290	260	A	A	A	C	C	C	C	C	C	C	340	[310]^{A}	280	270	290	A	A	360
12	350	380^{AF}	360	340	340	290	290	290	310^{L}	420	330	350^{L}	[340]^{A}	320	370	350	350	350	320	290	300	290	270^{F}	A
13	A	A	320^{F}	310^{F}	310^{F}	280	[280]^{A}	290	A	A	A	330	370	330	330	360	350	330	300	280	300	270^{F}	310	280^{F}
14	310^{F}	300	310^{F}	290	240	240	280	270	290	A	A	370	400	350	320	330	310	340	310	270	260	260	270	300
15	300	[340]^{A}	370^{F}	370	340^{F}	260	330	270	A	A	A	A	A	390	370^{A}	[360]^{A}	340	330	A	A	300	A	A	A
16	360	300^{F}	350^{A}	280	260^{F}	290	A	C	C	A	A	430	360	350	A	350	310	A	A	250	240	A	A	A
17	A	350	300^{F}	A	A	310	[280]^{A}	260	290	300	340	A	A	300	430	340	310	A	A	330^{A}	[300]^{A}	280	[290]^{A}	300
18	300	300	[280]^{AF}	250^{F}	320	260	280^{L}	300	300	A	300	A	A	A	340	360	320	320	320	280	240	250	[250]^{AF}	250^{F}
19	300	[300]^{A}	310	300	310	320	360	380	280	410	[380]^{A}	360	400	340	310	340	310	A	A	A	270	260	300	A
20	A	340	300	300	290	280	280^{L}	320	A	A	A	340	[350]^{A}	360	370	A	320	310	[280]^{A}	260	330	270	290^{F}	290^{F}
21	300	300	290	270	230	220	250	300	300	300	320	350	390	340	350	320	320	320	290	270	280	230	230^{A}	290
22	290^{F}	300^{F}	300^{F}	260	270	250	270	290	300	250	300	[440]^{A}	570	A	A	370	300	A	A	A	260	250	270^{F}	300^{F}
23	300	320^{A}	290^{F}	290	270	250	260	260	290	430^{A}	A	A	A	400	400	330	330	300	270	300	310	290^{F}	[280]^{A}	270
24	240^{AF}	[280]^{A}	310^{F}	280^{F}	290^{F}	290	340	280	A	A	A	350	[350]^{A}	350	360	350	330	260	280	290	250	A	AF	A
25	300^{F}	280^{F}	320^{F}	290^{F}	290^{F}	240^{A}	[260]^{A}	280	270	A	A	A	A	320	310	A	300	280	260	300^{F}	280	A	A	240
26	300	300^{F}	300	270	230	260^{F}	340^{L}	270	260	270	A	A	430	350	A	A	A	310	300	290	270	A	A	A
27	A	A	340^{F}	300	260^{F}	250	[260]^{A}	280^{L}	290	280	A	C	C	C	C	C	C	C	C	C	C	C	C	C
28	C	C	C	C	C	C	C	C	C	C	C	C	C	C	340	380	340	320	[290]^{A}	260	[250]^{A}	240	300	300
29	330	300	300	300	290	250	290^{L}	290	340	300	320	360	330	350	340	310	320	320	290	[260]^{A}	240	240	250	330
30	300	340	A	A	A	280	260	290	280	[280]^{A}	280	300	450	360	340	320	300	280	260	260	270	260	250	280^{A}
31	290	350	300	280	290	280	260	260	250	270	350	330	350	350	340	330	300	290	[300]^{A}	300	250	250	250	300
Mean Value	310	320	310	290	290	280	280	310	310	340	360	380	410	350	350	350	330	320	300	290	280	270	280	290
Median Value	300	310	310	300	290	270	280	290	290	300	340	360	370	350	350	340	320	320	290	290	270	270	290	290
Count	21	25	28	27	27	28	26	24	20	18	14	14	17	20	20	19	26	23	21	25	29	21	21	20

h'F2

Sweep 0.85 Mc to 22.0 Mc in 2 min ☐ Manual ☒ Automatic

A 2

8

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

IONOSPHERIC DATA

Aug. 1955 | fEs | 135° E Mean Time | Akita | Lat. 39° 43.5' 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	4.9	7.3F	4.5F	3.5	4.4	4.7	4.5	7.6	10.0	6.5Y	7.3	12.3	13.8Y	11.8Y	15.0	12.3	4.7	4.8	7.7	6.6	7.0	8.4	7.5	6.6
2	7.0	6.8	4.5F	3.5	E	2.9	G	4.6	4.6	7.5	5.2	8.4	13.6	11.7	9.3	6.3	3.7	3.5	4.1F	3.1	11.3	6.4F	7.0F	5.0F
3	4.4F	4.5F	6.5YF	4.3	4.1	3.1	5.5	6.5	7.4	9.2	8.0	12.5	11.6	8.0	4.3	7.1	7.2	7.1	4.1	4.1Y	4.9	4.2	7.0	7.0
4	7.0	5.1	4.1	6.5	4.2	4.1	6.4	12.5	6.5	C	C	4.2	4.4	4.7	6.5	10.5	7.2	4.5	C	C	C	C	C	C
5	C	C	C	C	C	C	C	C	C	4.3	7.1	6.3	6.7	5.5	8.1	11.8Y	10.0	4.2	6.7	9.5F	6.8F	4.8	6.8	5.5
6	7.1	4.6	6.5	7.7	6.5F	4.8	3.7	4.6	4.3	7.5	4.2	4.1	6.1	6.1	6.0	4.9	4.4	4.5	G	5.5	3.1	4.3	4.5	6.5
7	6.5	5.5	3.5	2.9	6.4	3.5	3.5	4.4	4.5	5.7	8.3Y	6.7Y	3.5	4.5	7.0	7.6	6.4	7.1	8.2	6.7	7.0F	4.8	5.0	4.4
8	4.5	4.2F	3.0F	3.3F	2.9F	2.7F	3.5	5.1	11.0	7.7	5.1	13.5	6.6	4.2	7.0	4.0	7.1	5.5	6.8	13.5	5.5	4.5	6.7	6.8
9	5.5	4.2F	4.2	4.1F	3.4	4.4	4.5	10.8	8.3	8.6	10.8	7.9	15.5	10.6	8.4	8.3	7.1	6.5	4.2	4.3	3.2	6.5	3.1	9.2
10	6.5Y	4.4F	3.0F	3.0F	3.5F	2.8	4.4	6.5	9.0	C	C	C	7.6	5.5	8.3	6.9	4.5	4.0	3.5	6.7	7.1	8.4	6.6	7.1
11	13.3	12.0F	3.6F	3.5F	6.5F	3.1F	5.3	7.2	7.6	C	C	C	C	C	C	C	6.9	11.5	3.0	3.5	7.1	8.5	8.5	7.0
12	7.5F	4.3F	5.5YF	5.5	4.1	3.5	4.5	6.5	12.5	6.5	6.5	6.8	6.7	4.7	4.7	3.5	3.2	3.3	9.7	5.5	7.0	6.5	7.0	4.7
13	6.6F	7.1F	4.2F	4.2F	3.5F	3.1F	5.5	5.5	10.2	7.0	7.6	5.0	8.4	6.3	7.1	5.2	4.8	4.8	5.5	5.4	5.5	9.2	9.2	7.1
14	4.5F	4.1F	3.5F	3.0F	3.0F	7.0Y	4.5	4.9	5.2	9.7	7.5	4.6	5.5	4.1	4.5	4.1	4.7	4.4	4.6	3.5	7.0	3.5F	3.5F	3.5F
15	7.6	6.5F	5.5F	6.7	3.5F	3.0	4.8	4.3	7.1	8.2	12.0	6.8	9.5	3.3	6.5	7.5	6.2	7.1	10.6	13.5	6.6	7.0	8.5	7.0
16	5.5	4.5	5.5	6.5	4.0	4.5	5.5	C	C	11.9	9.0	6.3	5.5	6.5	6.1	4.8	3.5	7.0	8.1Y	4.4	10.3	6.5	6.5	6.5
17	6.6	4.0	4.0	7.3	7.6	6.5	6.7	4.5	8.4	8.0	7.2	6.8	6.9	4.7	6.5	5.1	7.0	12.5	12.5	6.8	7.0	11.0	10.0	7.5
18	7.5	7.5	6.7	6.5	6.5	3.0F	4.0	4.9	10.0	5.1	4.8	6.5	12.3	7.6	G	G	4.5	5.5	4.7	4.1	4.0	6.9	5.3	8.5
19	4.2	4.5	3.1	5.5	4.0	4.2	4.5	4.4	6.8	4.8	8.0	6.3	5.0	3.5	4.5	4.0	4.0	10.4	8.5	5.5	7.1	3.5	6.5	5.0
20	7.0	4.8	5.5	11.5	6.3	3.7	3.4	6.9	12.5	7.3	8.0	7.5	10.5	6.7	5.4	6.8	5.0	4.4	6.6	8.2	5.2	3.7	4.1	4.4
21	3.0	2.6	3.1	2.5	2.7	2.6	3.5Y	4.0	4.2	4.1	3.5	5.0	4.3	G	G	G	G	4.5	4.5	3.0	4.7	2.8	4.1	4.5
22	3.0	4.5F	4.5F	3.5	3.1	2.6F	3.5	5.1	5.5	6.2	4.8	6.5	4.4	6.6	6.9	4.4	4.5	7.2	5.2	5.5	4.4	4.5	3.5	3.6
23	4.2	3.5	3.0	2.5	2.0Y	3.4	3.5	5.5	6.5Y	5.4	7.0	6.7	6.5	G	4.3	3.9	5.5	3.5	4.1	5.2	6.6Y	6.5F	6.0	6.8
24	5.6F	8.0	7.1	4.4F	2.3Y	2.3	4.2	9.8	12.0	10.6	13.2	5.6	6.6	4.8	G	G	4.6	G	4.1	4.6	3.1	6.5	6.6F	7.1
25	4.5	3.5F	4.2F	3.0	4.3	4.4	7.8	8.0	7.7	8.2	12.2	10.0	8.7	6.0	4.5	7.5	7.8	11.5	6.3	6.9	7.3	6.5	6.8F	2.4F
26	3.6	3.2	3.5	3.0F	2.5F	2.5	3.3	4.2	4.5	4.5	5.5	7.3	6.1	5.3	7.5	8.8	12.0	12.5	4.7	9.0	6.5	7.0	5.5	7.0
27	6.5	5.0	3.5	3.0	3.7	7.0	7.6	4.5	4.5	5.5	8.5	C	C	C	C	C	C	C	C	C	C	C	C	C
28	C	C	C	C	C	C	C	C	C	C	C	C	C	C	3.4	G	G	4.1	6.2	7.5	9.5	4.5	3.5	4.5
29	3.3	2.7	3.5	4.5	4.5F	2.7	3.5	4.9	4.3	4.3	G	6.5	4.0	4.5	G	4.0	3.6	3.6	3.7	7.2	3.5	4.5	4.2	3.0
30	2.7	2.5	4.5	4.5	4.0	3.5	G	G	G	8.8	4.0	5.2	4.5	5.2	5.0	4.5	5.5	4.2	4.0	3.5	3.1	2.0	2.7	3.8
31	3.0	6.5	3.6	2.2Y	2.5Y	2.7	3.5	G	3.6	4.3	4.1	G	G	3.4	3.6	3.5	3.3	7.0	6.9	3.5	3.5	3.5	2.9	3.5
Mean Value	5.6	5.1	4.4	4.6	4.1	3.7	4.6	6.1	7.4	6.9	7.3	7.1	7.6	6.0	6.4	6.3	5.7	6.2	6.0	6.1	6.0	5.8	5.8	5.7
Median Value	5.5	4.5	4.2	4.1	4.0	3.4	4.4	5.0	7.0	7.0	7.2	6.5	6.6	5.2	6.0	4.8	4.8	4.8	5.2	5.5	6.6	6.4	6.5	6.5
Count	29	29	29	29	29	29	29	28	28	27	27	27	28	28	29	29	30	30	29	29	29	29	29	29

fEs

Sweep 0.85 Mc to 22.0 Mc in 2 min ☐ Manual ☒ Automatic

A 3

6

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

IONOSPHERIC DATA

Aug. 1955 | **foF2** | 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	4.8F	5.0F	4.8F	4.8	[4.2]F	3.5	5.1	7.1	A	A	A	A	5.5	6.1	7.0	7.9	8.2P	6.0	5.7	[6.0]AF	6.3F	6.3F	[6.2]AF	6.0AF
2	[5.5]F	5.0F	4.7F	4.5F	(4.6)F	3.7	4.6	6.1	8.6	A	A	A	B	6.0P	A	>7.5B	6.9	5.8	[6.0]A	6.3P	6.1	5.9	A	A
3	(5.7)B	(4.6)B	4.6F	3.7JF	(3.7)F	4.3	6.0	7.0	[6.6]A	6.2	A	A	A	A	7.0	[7.4]A	7.9J	6.8	[7.0]C	7.3	6.5	5.6	5.0	3.8
4	3.9F	4.4F	(4.6)F	4.3F	4.2F	4.3	5.7	5.7	6.1	6.6	6.0	(5.4)P	B	6.2	6.8	A	5.1P	5.9	C	C	C	C	C	C
5	6.9F	7.0F	5.8	6.0F	4.9F	4.9F	6.0	7.0	7.0	6.1	6.2	6.4	7.8	6.8	6.0	6.0	6.2	5.5	[6.3]A	7.1	6.8	6.8F	6.8F	(6.0)F
6	5.0	F	5.8F	4.6F	4.5F	4.1	4.8	4.8	6.0	6.2	5.4	5.5	5.4J	5.6	>5.6B	5.7	6.0	6.2	6.9	7.9P	7.0	5.8	5.3F	[5.4]A
7	5.5F	5.1F	5.0F	C	C	4.3	5.0	5.2J	6.0	5.6	A	G	5.4	5.6	5.5	5.3	C	C	5.7	[5.8]A	6.0	5.9	5.3	5.1
8	5.1	4.8F	5.1	5.0	[4.8]C	4.5	5.3J	6.1	[6.3]C	6.5	5.7	[6.0]A	6.2	6.6	7.9	7.9	6.7	6.0	5.7	6.9	7.0	6.4J	7.0F	6.2F
9	(6.2)F	6.1F	F	5.0F	[4.8]AF	4.5F	5.3	6.5	6.2	6.0	[5.9]A	5.8	6.2	6.6	6.7	6.2	6.4	[6.5]A	6.6	8.0P	8.3P	7.5	7.0	7.0JF
10	7.0F	6.7J	6.5	5.9	5.4F	(4.7)F	5.4	6.6	7.0	6.1	A	A	A	6.5	6.2	6.0	6.2	6.0	5.8	6.5	6.5	6.2	[6.0]A	5.8
11	[5.1]A	4.4	[4.6]A	4.8	4.4JF	4.2	4.4	A	A	A	A	5.8	5.8	5.6	6.0J	[6.2]A	6.5	6.2	[6.2]A	6.2	AF	A	A	4.5
12	3.7	4.4F	4.3F	4.5	4.4	4.4	5.6	6.1	6.3	5.3	6.2	6.1	6.5	6.5	7.0	6.9	6.5	6.0	7.2	8.1P	7.6	7.0	6.3	5.2
13	4.3	4.3F	4.4JF	4.1F	4.3F	4.6	6.2	[6.4]A	6.0	[6.5]A	6.4	6.3	6.9	6.9	6.5	6.0	6.4	6.3	6.7	8.6P	7.0	6.6	6.2	6.0
14	6.3J	5.8F	5.5F	(5.4)F	4.3F	4.7	5.6	7.1	6.6	[6.4]C	6.1	[6.6]A	7.0	A	8.2	7.4	6.8	7.0	8.0	[8.0]B	7.9	5.8	5.4F	5.4F
15	5.5	4.5	4.6F	4.9F	4.5F	4.5	7.0	7.0	C	A	A	B	6.5	5.0	6.5J	7.0	6.5	[6.4]C	6.3	(5.5)A	(5.4)F	A	A	A
16	4.0	4.5	A	4.8F	4.3F	3.8F	5.5	>7.3B	7.0	A	B	A	A	B	6.9	6.3	6.3	6.0	7.1	[7.4]A	(7.8)P	3.7	A	A
17	4.0	[4.2]A	4.4	A	3.2F	3.9	5.5	6.6	6.5	6.7	6.5	[6.2]A	6.0	(5.2)B	6.9	6.6	(6.6)P	6.2	(6.2)J	(7.0)F	7.0	6.4	A	A
18	A	(5.0)F	[4.8]A	4.5F	3.3F	>3.1B	5.0	6.4	(6.0)B	>7.0B	>7.0B	>5.0B	B	>5.0B	(6.3)B	5.5	5.8P	5.4	6.8	8.4	[7.2]B	6.0	A	A
19	A	4.3P	F	3.7	3.3F	A	A	6.2	[6.2]A	6.1	[6.0]A	5.8	6.5	C	C	C	C	A	A	6.0	A	A	C	C
20	C	C	C	C	C	3.5	C	A	C	A	A	A	6.6	[6.4]A	6.2	6.0	5.9	5.2	5.1	6.2	[5.6]A	5.0JF	5.1	(4.2)JF
21	(4.6)A	(4.7)F	4.1J	4.0J	3.5J	3.1	4.2	5.6	6.1	5.8	5.6	5.4J	[5.8]A	6.1	5.9	>5.0B	5.8	(5.5)B	5.6	6.6	7.2	5.0	3.1	A
22	B	4.0	4.1J	3.8J	4.2F	3.9J	>5.0B	6.3	6.3	7.1	A	A	A	6.3	6.1	[6.3]A	6.5	6.2	6.0	6.2	5.9	5.1	(4.8)J	4.6
23	[4.4]A	4.1J	3.7F	>3.0B	3.5J	3.8J	5.6	>5.4B	4.8	5.9	>5.0B	A	A	A	6.2	6.8	7.0	6.5	6.6	6.1P	5.4	5.3	5.5	4.6
24	4.1J	AF	3.8JF	4.0JF	4.0JF	3.1F	5.2P	>7.5B	6.2	A	A	5.6	5.7	5.5	>5.0B	5.7	6.1	6.6	6.2	6.8F	5.5	5.2P	A	4.3
25	4.5	4.5J	2.6	3.2F	3.3F	A	5.8	(5.8)P	6.4	A	A	6.8	A	A	A	5.4	6.1	5.5	5.3	[5.4]A	5.6J	5.6	[4.6]A	3.7
26	3.8	3.6F	3.7F	4.2F	3.0	3.5	5.2J	6.0	6.2	4.9	(5.5)P	A	A	6.2	6.5	6.0	A	A	A	A	A	>5.0S	5.0	A
27	2.7J	>5.0B	3.1	3.0	(3.5)F	3.9S	5.2	6.7	6.1	5.1	A	A	5.3	[5.8]A	6.4J	6.2	6.0	5.9	7.6	8.3P	6.5	F	>3.8C	4.6F
28	4.1	4.1FP	3.9	3.7F	3.4F	[4.4]AF	5.4	5.9	5.7H	7.0	6.3	5.1	6.3	6.9	5.6	5.8	6.5	7.8	(8.3)P	>7.5B	A	A	A	3.6
29	A	>3.1C	>3.2C	>3.0C	2.6J	>3.0B	>5.0B	B	B	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
30	C	C	3.3P	3.3P	2.9	C	C	C	C	C	5.9P	5.6	5.0	5.3	6.3P	7.7P	7.4	(7.4)P	7.4	(6.6)J	6.3	5.9	5.4	4.5
31	3.7J	3.8	3.7	3.8	3.4P	3.6	5.7	6.6	5.9	7.0	8.3	6.9	6.1	6.6	6.8	7.0	[7.5]A	(8.0)P	A	>7.5BF	>7.5B	5.1	4.5	4.3
Mean Value	4.8	4.8	4.6	4.3	3.9	3.9	5.4	6.1	6.4	6.2	6.1	6.0	6.1	6.1	6.5	6.4	6.5	6.2	6.5	6.9	6.3	5.8	5.5	5.0
Median Value	4.7	4.5	4.4	4.4	4.2	4.2	5.4	6.4	6.2	6.2	6.0	5.8	6.2	6.1	6.5	6.3	6.5	6.2	6.3	6.8	6.5	5.9	5.4	4.6
Count	25	26	26	26	29	26	28	26	25	21	16	18	20	23	25	27	27	27	26	28	25	23	19	21

foF2

Sweep 1.0 Mc to 17.2 Mc in 2 min - ☐ Manual ☒ Automatic

K 1

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

IONOSPHERIC DATA

Aug. 1955 | **f_0F2** | 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	340F	350F	360F	370	(360)F	350	320	A	A	A	A	A	U	400	340	330	270P	280	290	(300)A	310F	330F	(310)A	290F
2	(320)F	340F	390F	340F	(360)F	270	U	350	270	A	A	A	B	370P	A	B	270	280	(290)A	300P	300	300	A	A
3	(330)B	(360)B	300F	(300)F	(330)F	320	280	260	(280)A	310	A	A	A	A	370	(340)A	(310)J	A	C	300	310	300	270	360
4	370F	330F	(370)F	350F	280F	300	290	320	330	290	330	U	B	350	290	A	U	330	C	C	C	C	C	C
5	350F	330F	380	320F	340F	380F	390	310	310	A	360	410	330	330	330	330	310	330	(330)A	330	290	380F	320F	(370)F
6	400	F	280F	350F	350F	280	290	U	360	310	U	U	U	U	B	U	340	350	340	340P	300	310	390F	(380)F
7	370F	330F	360F	C	C	300	370	U	300	U	A	G	U	U	U	U	C	C	330	(360)A	390	350	360	390
8	440	360F	350	300	(340)C	370	(340)J	320	(320)C	330	U	A	A.	360	320	310	280	310	320	330	270	(330)J	360F	350F
9	(370)F	360F	F	300F	(300)A	300F	250	280	300	300	A	U	370	330	320	320	330	(340)A	350	350P	300P	320	350	(330)JF
10	350F	(340)J	360	320	310F	330F	280	300	300	A	A	A	A	320	330	350	310	330	310	320	320	370	(340)A	320
11	(340)A	360	(360)A	360	(260)JF	300	300	A	A	A	A	A	U	U	U	A	330	280	(300)A	320	AF	A	A	A
12	360	360F	340F	300	350	290	300	250	210	U	330	U	350	390	300	320	310	330	320	320P	280	310	320	310
13	350	340F	(350)JF	330F	370F	280	280	A	A	A	330	330	330	320	330	360	310	320	330	320P	280	310	260	350
14	(340)J	340F	340F	(310)F	260F	280	290	240	290	(300)C	310	(340)A	380	A	280	320	320	(310)A	300	(280)B	270	310	350F	330F
15	350	340	390F	400F	380F	310	260	C	C	A	A	B.	400	U	B	290	300	(310)C	320	A	(380)F	A	A	A
16	330	330	A	310F	270F	320F	310	B	A	A	B	A	A	B	330	330	300	330	320	(280)A	250P	310	A	A
17	350	(340)A	340	A	360F	(320)A	290	290	260	310	320	(310)A	310	U	310	320	(290)P	290	(300)J	(300)F	300	310	A	A
18	A	(280)F	(290)A	300F	280F	B	250	270	(280)B	B	B	B	B	B	(300)B	290	310P	340	350	320	(310)B	300	A	A
19	A	340P	F	270	280F	A	A	A	A	310	A	C	B	C	C	C	C	A	A	A	A	A	C	C
20	C	C	C	C	C	290	C	A	C	A	A	A	290	(300)A	310	300	270	290	280	300	(320)A	(340)JF	280	(300)JF
21	A	(320)F	(320)F	(280)J	(220)J	260	240	290	280	240	U	U	A	A	330	(300)B	270	(300)B	300	270	260	250	300	A
22	B	330	(310)J	(300)J	300F	(300)J	B	250	250	250	A	A	A	320	A	A	290	280	280	310	320	300	(280)J	270
23	(280)A	(300)J	300F	B	(300)J	(300)J	260	B	U	250	B	A	A	A	330	300	290	280	280	280P	300	300	290	260
24	(330)J	AF	(300)JF	(320)JF	(310)JF	360F	290P	B	A	A	A	U	U	U	B	330	310	280	300	270F	270	270P	A	A
25	350	(340)J	320	340F	310F	A	290	(260)P	A	A	A	A	A	A	A	A	290	290	290	(300)A	(300)J	250	(300)A	360
26	330	340F	310F	270F	270	300	(280)J	230	230	U	U	A	A	310	300	330	A	A	A	A	A	S	300	A
27	(300)J	B	350	330	(290)F	270S	270	240	230	U	A	A	U	A	(310)J	320	280	320	320	290P	230	F	C	290F
28	320	340FP	330	320F	310F	(280)AF	260	270	U	270	250	U	320	280	U	330	390	370	(310)P	B	A	A	A	360
29	A	C	C	C	(260)J	B	B	B	B	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
30	C	C	340P	340P	280	C	C	C	C	C	U	A	U	290	(300)A	310P	300	(270)P	300	(270)J	310	280	340	320
31	(310)J	370	370	330	340P	300	260	250	270	270	270	290	290	350	320	300	(310)A	320P	A	BF	B	300	350	340
Mean Value	350	340	340	320	310	300	290	280	290	290	310	340	340	330	320	320	300	310	310	310	310	310	320	330
Median Value	340	340	340	320	310	300	290	270	280	290	320	340	330	330	320	320	300	310	310	300	300	310	320	330
Count	24	25	26	26	24	26	25	18	18	13	8	6	10	15	20	22	26	26	25	24	24	23	19	19

f_0F2

Sweep 1.0 Mc to 17.2 Mc in 2 min ☐ Manual ☒ Automatic

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

IONOSPHERIC DATA

Aug. 1955 | h'F2 | 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	300F	300F	270F	290F	270F	210	320	260A	A	A	A	A	430	400	340	300	270	260	270	[260]AF	250	250	[240]AF	230
2	270	270F	270F	260F	260F	220	420	350	260	A	A	A	A	340	[310]A	280	260	280	[270]A	260	230	240	A	A
3	310A	350A	280F	250F	270F	260	270	250	[270]A	290	A	A	A	A	360	[320]A	290	300A	[280]C	250	220	250	230	320A
4	320	270F	290F	280F	240F	250	280	320	330	290	330	460	B	350	290	A	460	330	C	C	C	C	C	C
5	300A	290A	350A	260F	280F	290	400A	290	310	A	360	410	310	320	330	330	310	330	[300]A	280	230	310F	260F	290F
6	A	300	240	310A	280F	260	290	480	350	310	380	390	460	400	310	440	340	340	290	290A	240	240	340F	[320]A
7	310A	320AF	320	C	C	250F	370	440	300	380	A	G	590	520	390	390	C	C	300	[320]A	330A	300	340A	350A
8	370	320F	310	250	[270]C	290	340	310	[320]C	330	370	[370]A	370A	360	320	270	280	280	290	260	230A	320A	310A	300A
9	330A	320A	AF	280F	250F	240	250	280	300	300	[330]A	350	370	330	320	320	330	[340]A	340A	280	240	250	270	290A
10	300A	300A	350A	260A	250	270	250	300	280	330A	A	A	A	320	330	350	300	310	260	250	320A	300A	[260]A	230
11	[260]A	300	[300]A	300	280F	250	300	A	A	A	A	A	380	400	400	[360]A	330	280	[260]A	250	AF	A	A	A
12	360A	310F	300A	250	280	250	260L	280A	270	480	330	350	350	370L	300	310	280	300L	280	250A	220	250	290A	250
13	330A	320A	300A	280	280	250	280	A	A	A	320	330	330	320	320	350	310	280	310	230	240	270	240A	330A
14	270	270F	280F	250	200	240	250	230	290	[300]C	300	[340]A	370	A	270	300	310	350A	270	240	210AF	220	300F	280
15	260	280	320F	340F	310A	270	240	<240C	C	A	A	B	350	420	350B	280	290	[300]C	320A	A	340A	A	A	A
16	320	330A	A	250	240	260	300	240	260	A	400	A	A	350B	330	330	290	330	290	[260]A	220A	250	A	A
17	320A	[280]A	250	230	300	[280]A	270	280	260	310	320	[320]A	310	350	300	320	280	280	280A	270A	240	280F	A	A
18	A	260	[240]A	220	250	260	230	260	280	300	260	310	B	320	300	290	310	340	310	260A	230	210	A	A
19	A	310	330F	250A	240	A	A	300A	[300]A	300A	[320]A	350	330	C	C	C	C	A	A	330A	A	A	C	C
20	270	[260]C	240	280	290	270	C	C	C	A	A	A	290	[300]A	310	300	270	290	280A	280A	[300]A	330A	230	240
21	[260]A	270	270	230	200	230	230	290	280	240	330	360	[330]A	300	330	330	270	300	280A	260	210	250A	270	A
22	B	280	300A	250A	230	250	270	250	250A	250A	A	A	A	320	A	A	280	270	260A	250A	250A	250A	250	250F
23	[250]A	250	250	250	250	250	230A	250	250	250	280	A	A	A	330	300	280	260	240	250A	250	250	270A	250A
24	310A	[280]AF	260F	280F	250F	270F	280	230	250A	A	A	340	350	300	420	330	310	270	280	260AF	260A	230A	A	A
25	A	A	280	280	230	A	280	260	280	A	A	A	A	A	A	350A	290	250L	270	[260]A	250	230A	[280]A	320A
26	290A	310A	260	230	240	240	250	230	230	[240]L	260	A	A	310	320	330	A	A	A	A	220	250A	A	
27	300A	290	300	280	230F	220	250	230	230	260	A	A	340L	[320]A	310	320	280	320	260A	240	200	260	270	240
28	260	310	260	270A	260AF	[240]AF	230	250	LH	270	250	270	320	280	350	330	350	310	270	230	A	A	A	330
29	[320]A	310A	280	260	260	270	270	B	B	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
30	C	C	290	270	250	C	C	C	C	C	280	360	350	[340]L	340	300	280	260	240	250	240	230	250	250
31	290A	340A	330A	280	280	270	250	240	260	270	270	290	290	350	310	290	[300]A	300A	[260]A	230AF	240	250	260	320A
Mean Value	300	300	270	270	260	250	280	280	280	300	320	350	360	350	330	320	300	300	280	260	250	260	270	280
Median Value	300	300	270	260	260	250	270	260	280	30	320	350	350	340	320	320	290	300	280	260	240	250	260	290
Count	25	27	27	30	30	28	28	25	23	19	18	17	20	25	27	27	27	27	27	27	25	25	20	19

h'F2

Sweep 1.0 Mc to 17.2 Mc in 2 min ☐ Manual ☒ Automatic

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

IONOSPHERIC DATA

Aug. 1955 | f_0F1 | 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							3.7	A	A	A	A	A	4.6	4.5	[4.4]A	4.4	4.0	3.7L	L					
2							4.0	4.0	4.2	[4.4]A	4.5	4.6	[4.6]A	4.5	A	A	A	A	A					
3							3.8	A	A	4.4	A	A	A	A	A	A	A	A	C					
4							3.6L	4.0	[4.2]A	4.4	4.4H	4.5	4.6	4.5	4.5H	[4.4]A	4.2	A	C					
5							A	4.1	A	A	4.9	4.9	4.6	4.8	4.7	[4.4]A	4.2L	4.0	A					
6							3.5	4.0	4.1	4.4	4.5	4.5	4.5	4.5	4.5	4.5	4.1	[3.8]A	3.4L					
7							3.8	4.0	[4.2]A	4.4	[4.4]A	4.5	4.6	4.5	[4.5]A	4.5	C	C	A					
8							3.8	4.1	C	A	5.0L	A	A	A	A	4.5	4.2	4.0L	3.5L					
9							A	4.1	4.5	A	A	4.8	A	A	4.6	[4.5]A	4.4	A						
10							Q	A	A	A	A	A	A	4.9	4.8	4.8	4.2	4.0	2.8L					
11							3.5	A	A	A	A	A	4.7	4.5	A	A	A	4.0	A					
12							3.6L	[4.0]A	4.5	4.8	4.8	4.7	4.6	5.0L	4.7	4.5	4.2	4.0L	3.4L					
13							3.9L	A	A	A	A	4.8	A	A	4.5	4.7	4.4	4.0						
14							L	4.1	A	C	A	A	4.9	[4.6]A	4.4	4.4	A	A						
15							A	A	C	A	A	B	B	4.7	A	4.4	A	C	A					
16							3.5	4.0	[4.3]A	4.6	4.6	A	A	4.6	4.5	4.3	4.3	3.9						
17							A-	A	4.3	4.3	4.7	[4.6]A	4.6	4.5	A	A	A	A						
18							L	4.0	4.0	4.5	[4.5]A	4.5	4.0	4.4	4.5	4.3	A	A						
19								A	A	A	A	C	B	C	C	C	C	C	A					
20							C	C	C	C	B	B	A	A	A	A	3.9	A	A					
21							Q	4.3	4.2	4.2	[4.3]A	4.4	A	A	4.5	4.3	3.8	3.6						
22							A	A	A	A	A	A	A	A	A	A	4.0	3.5						
23								A	L	4.2	4.4	A	A	A	A	4.2	4.0	A						
24							3.5	3.8	A	A	A	4.8	4.4	4.4	4.3	4.3	4.0	3.5	A					
25							A	A	A	A	A	A	A	A	A	A	4.0	L						
26							3.0	[3.6]A	4.1	[4.2]L	4.3	A	A	4.5	4.2	A	A	A						
27							L	3.7H	4.1	4.3	A	A	4.6L	[4.6]A	4.5	4.3H	4.0	A						
28							Q	4.0	L	4.6	4.5	4.5	4.6	4.5	4.5	A	A	3.9L						
29							S	B	B	C	C	C	C	C	C	C	L	C						
30							C	C	C	C	4.5	L	4.5	L	A	4.3	4.2L	L						
31							L	3.9	4.3L	4.4	4.5	4.8	4.9	5.0	4.8	4.5L	A	A						
Mean Value							3.6	4.0	4.2	4.4	4.6	4.6	4.6	4.6	4.5	4.4	4.1	3.8	3.3					
Median Value							3.6	4.0	4.2	4.4	4.5	4.6	4.6	4.5	4.5	4.4	4.2	3.7	3.4					
Count							13	17	13	15	15	14	16	19	18	20	18	13	4					

f_0F1

Sweep 1.0 Mc to 17.2 Mc in 2 min ☐ Manual ☒ Automatic

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

IONOSPHERIC DATA

Aug. 1955 | h'F1 | 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							240	A	A	A	A	A	230	220	[220]^{A}	230	220	250^{A}	250					
2							220	260	230	[210]^{A}	190	210^{A}	[220]^{A}	230	A	A	A	A	A					
3							230	A	A	200	A	A	A	A	A	A	A	A	C					
4							230	220	[200]^{A}	190	180^{H}	210	250	[240]^{A}	230^{H}	[230]^{A}	230	A	C					
5							A	A	A	A	200	210	210	240	210	[240]^{A}	260^{A}	230	A					
6							240	[240]^{A}	230	280^{A}	210	230	210	210	230^{A}	[240]^{A}	240	[240]^{A}	250^{A}					
7							270	250^{A}	[240]^{A}	230	A	A	210	300	A	220	C	C	A					
8							220	240	C	A	210	A	A	A	A	230	230	230	240					
9							A	200	230	A	A	200	A	A	200	[220]^{A}	250	A						
10							Q	A	A	A	A	A	A	210	230	210	240	250	250					
11							250	A	A	A	A	A	230	230	A	A	A	270^{A}	A					
12							230	[220]^{A}	220	200	220	210	210	200	200	220	220	230	250					
13							270	A	A	A	A	210	A	A	A	220	240	230						
14							230^{A}	220	A	C	A	A	230^{A}	[230]^{A}	230	240^{A}	A	A						
15							A	A	C	A	A	B	B	230	A	A	A	C	A					
16							240	250^{A}	[230]^{A}	210	220	A	A	230	220	230	210	A						
17							A	A	210	A	A	A	A	210	A	A	A	A						
18							210	210	210	190	A	A	A	A	230	260	A	A						
19							A	A	A	A	C	B	C	C	C	C	C	C	A					
20							230	C	C	C	B	B	A	A	A	A	240	A	A					
21							Q	220	230	220	[240]^{A}	250	A	A	220	250	270	260						
22							A	A	A	A	A	A	A	A	A	A	230	A						
23								A	230	180	270	A	A	A	A	A	220	A						
24							230	230	A	A	A	240^{A}	210	210	200	260	230	240^{A}	A					
25							A	A	A	A	A	A	A	A	A	A	210	230						
26							230	[240]^{A}	240	210	200	A	A	220	A	A	A	A						
27							220	190^{H}	220	210	A	A	A	A	230	[230]^{A}	230	A						
28							Q	200	210	190	230	250	180	270	230	A	A	260						
29							230	B	B	C	C	C	C	C	C	C	C	C						
30							C	C	C	C	230	[220]^{A}	210	A	A	260^{A}	250	270^{A}						
31							230	210	210	220	250	230	270^{A}	210	260	280	A	A						
Mean Value							230	230	220	210	220	220	220	230	220	240	230	250	250					
Median Value							230	220	220	210	220	220	210	230	230	230	230	240	250					
Count							19	16	15	14	13	12	13	17	15	18	18	13	5					

h'F1

Sweep 1.0 Mc to 17.2 Mc in 2 min ☐ Manual ☒ Automatic

K 5

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

IONOSPHERIC DATA

Aug. 1955 | foE | 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							A	2.9	3.0	A	3.0	3.1	3.3	3.0	3.0	A	A	A	A					
2							2.2	2.7	3.0	A	A	3.1	A	A	A	A	A	A	A	A				
3							2.0	2.6	2.9	3.3	3.3	3.3	3.3	3.2	A	A	A	A	C					
4							A	2.8	2.9	[3.1]^{A}	3.3	3.6	3.5	3.7	3.5	3.3	2.8	2.5	C					
5							2.0	2.6	2.7	3.0	A	A	A	A	3.5	3.3	3.0	2.5	1.9					
6							A	2.7	3.0	2.9	3.0	3.5	3.6	3.5	3.4	3.2	3.0	2.6	A					
7							2.0	2.7	2.9	3.2	3.3	A	A	A	3.5	3.5	C	C	A					
8							A	A	C	A	A	A	A	A	3.2	A	A	2.4	1.8					
9							2.0^{A}	[2.4]^{A}	2.9	3.0	3.0	[3.4]^{A}	3.7	3.5	3.4^{A}	3.3^{A}	3.0	2.5						
10							2.3	2.7	3.0	3.2	[3.2]^{A}	3.3	(3.4)^{A}	(3.6)^{A}	3.4	3.2	2.8	2.5	A					
11							2.2	2.6	3.0	3.1	A	A	A	3.5	[3.3]^{A}	3.1	3.0	2.5	A					
12							A	A	A	A	A	A	3.1	3.5	3.1	[3.0]^{A}	3.0	A	A					
13							A	2.7	3.2	3.3	3.3	A	A	3.5	3.3	A	2.9	A						
14							2.0	2.8	3.0	3.2	3.4	A	A	A	A	A	A	A						
15							2.2	2.7	[3.0]^{C}	3.3	[3.4]^{A}	3.5	B	3.6	3.5^{A}	3.4^{A}	3.0	C	A					
16							A	3.0	3.0	3.4	3.4	3.4	A	A	3.8	A	2.8	2.5^{A}						
17							A	2.6	2.8	[3.0]^{A}	3.3	3.3	A	A	3.4	3.3	2.8	2.5						
18							(2.0)^{A}	2.5	3.0	3.0	A	A	3.3	3.3	3.4	3.2	2.9	2.4						
19								2.6	2.8	2.8	2.8	A	A	A	A	A	A	2.4	A					
20							A	2.5	2.6	3.0	A	A	A	A	3.0	2.9	A	A	A					
21							A	2.1	2.4	A	A	A	A	A	A	3.0	2.6	2.3						
22							A	A	A	3.0	A	A	A	A	A	A	2.9	2.3						
23								2.3	[2.6]^{A}	3.0	3.2	A	A	A	A	A	2.7^{A}	2.2						
24							1.8	2.4	2.8	3.0	3.0	3.3	3.4	3.3	3.2	3.0	2.7	2.4	A					
25							A	A	A	A	A	A	A	A	3.1	2.9	2.2	A						
26							1.9	2.5	2.8	2.9	A	A	3.4	3.5	3.2	3.0	2.7	2.2						
27							A	A	A	3.0	3.0	A	A	A	A	A	A	A						
28							2.4	2.5	3.0	3.3	[3.3]^{B}	3.3	3.0	3.3	3.5	3.0	2.9	A						
29							A	A	A	C	C	C	C	C	C	C	C	C						
30							C	C	C	C	A	A	A	A	A	A	2.5	2.3^{A}						
31							A	2.5	3.0	A	A	3.4	3.3	3.5	3.5	3.0	2.7	2.1						
Mean Value							2.1	2.6	2.9	3.1	3.2	3.3	3.4	3.4	3.3	3.1	2.8	2.4	1.9					
Median Value							2.0	2.5	3.0	3.0	3.3	3.3	3.4	3.5	3.4	3.1	2.8	2.4	1.8					
Count							13	24	24	22	17	13	12	15	21	18	21	15	2					

foE

Sweep 4.0 Mc to 17.2 Mc in 2 min ☐ Manual ☒ Automatic

K 6

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

IONOSPHERIC DATA

Aug. 1955 | **R'E** | **Kokubunji Tokyo** | Lat. 35° 42.4' N, Long. 139° 29.3' 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							A	110	110	110	110	110	110	110	110	A	A	A	A					
2							110	110	110	A	A	110	A	A	A	A	A	A	A					
3							120	110	110	110	110	110	110	110	A	A	A	A	C					
4							A	110	110	(110)A	110	110	110	110	110	110	110	110	C					
5							110	110	110	110	110	A	A	A	110	110	110	120	120					
6							A	110	110	110	110	110	110	110	110	110	110	110	120					
7							120	110	110	110	110	A	A	A	110	110	C	C	A					
8							A	A	C	A	A	A	A	A	110	A	A	110	A					
9							A	A	110	110	110	(110)A	110	110	A	A	110	110						
10							110	110	110	110	(110)A	110	110	110	110	110	110	110	A					
11							110	110	110	110	A	A	A	110	(110)A	110	110	110	A					
12							A	A	A	A	A	A	110	110	110	(120)A	120	A	A					
13							A	110	110	110	110	A	A	110	110	(110)A	110	A						
14							120	110	110	110	110	A	A	A	A	A	A	A						
15							110	110	(110)C	110	(110)A	110	(110)B	110	A	A	130	C	A					
16							A	120	110	110	110	110	A	A	110	(110)A	110	A						
17							A	110	110	(110)A	110	110	A	A	110	110	110	110						
18							120	110	110	110	A	A	110	110	120	110	130A	110						
19								110	110	110	110	A	A	A	A	A	A	110	A					
20							A	110	120	110	A	A	A	A	110	110	A	A	A					
21							A	110	110	A	A	A	A	A	A	110	(110)A	110						
22							A	A	A	110	A	A	A	A	A	A	110	110						
23								110	(110)A	110	110	A	A	A	A	A	A	110						
24							120	110	110	110	110	110	110	110	110	110	130A	120	A					
25							A	A	A	A	A	A	A	A	110	110	110	A						
26							120	110	110	110	A	A	110	110	110	110	120	120						
27							A	A	A	110	110	A	A	A	A	A	A	A						
28							130	120	120	110	110	110	110	110	110	110	110	A						
29							A	A	A	110	(110)C	110	C	C	C	C	C	C						
30							C	C	C	C	A	A	A	A	A	A	110	A						
31							A	110	110	A	A	110	110	110	110	110	110	130						
Mean Value							120	110	110	110	110	110	110	110	110	110	110	110	120					
Median Value							120	110	110	110	110	110	110	110	110	110	110	110	120					
Count							12	23	24	24	20	14	13	15	19	18	20	16	2					

R'E | Sweep 1.0 Mc to 17.2 Mc in 2 min | ☐ Manual ☒ Automatic | K 7

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

IONOSPHERIC DATA

Aug. 1955 | **fEs** | 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	5.0	3.2	3.5	4.0	3.0	7.2	>5.7^{C}	7.3	7.3	9.2	7.3	7.3	5.0	4.9	4.7	4.0	3.9	5.0	5.5^{S}	7.3^{F}	10.0^{F}	7.3	7.0^{F}	9.8^{F}
2	5.0	2.8	2.2	2.0	1.9	2.4^{Y}	3.0	4.2	4.9	10.5	7.3	6.0	5.0	4.5	7.3	6.5	7.0	6.7	7.3	4.5	4.0	4.8	7.3	7.3
3	4.9	5.3	4.5	3.4	3.2	3.5	3.5	7.2	7.3	9.5	9.5	10.0	10.0	9.5	6.0	10.8	7.3	7.0	C	5.0	3.4	4.5	5.0	4.3
4	5.9	3.0	4.5	4.5	4.5	2.7	5.0	6.8^{Y}	5.7	5.7	4.0	4.2	4.3	5.0	4.0	10.0	7.3	6.9	C	C	C	C	C	C
5	6.5	5.0	6.7	3.0	3.1	4.5	5.5	7.0	7.3	7.3	4.8	4.9	4.7	4.9	3.9	6.5	6.0	5.0	7.3	7.5	7.3	7.2^{F}	4.3	6.6
6	6.5	5.0	4.9	6.5	4.4	4.9	2.9	4.8	4.9	5.3	5.5	4.9	4.5	5.5	4.8	5.0	4.0	5.7	3.8	5.0	3.5	6.6	4.3	5.5
7	5.3	5.3	3.2	C	C	4.5	3.8	4.5	7.3	7.0	8.0	7.3	8.0	6.0	5.8	5.3	C	C	7.0	7.3	8.5	7.0^{F}	7.0	4.9
8	4.3	3.3	3.2	3.0	C	E	3.2	4.1	C	7.2	7.0	8.0	7.2	7.5	7.0	4.9	5.5	3.2	3.0	3.0	4.5	7.3	7.0	4.9
9	5.4	4.8	5.0	3.5	6.5^{Y}	5.5	7.0	4.7	4.5	7.2	9.0	7.1	5.7	5.5	4.4	5.0	4.0	7.7	7.0	5.0	2.7	3.5	3.2	4.9
10	5.6	5.6	7.5	4.9	3.4	4.5	4.3	5.2	7.2	7.2	7.2	9.4	7.5	7.2	4.8	4.7	4.5	4.4	4.5	3.0	7.5	7.0	7.5	7.0
11	7.5	5.0	7.0	7.0	3.0	2.7	4.4	6.0	7.6	8.7	8.4	7.0	5.0	4.0	7.2	7.3	7.5	7.0	7.5	7.0	7.0	9.4^{Y}	5.0	6.0
12	4.0	3.8	3.6	3.0	2.5	3.5^{Y}	4.0	5.7	5.0	6.0	4.9	5.0	3.9	4.0	G	3.8	3.8	3.8	4.0	6.0	7.0	7.0	6.9	5.7
13	5.2	4.5	3.4	3.4	4.0	4.5	4.7	7.5	7.5	9.8	7.0	7.0	6.5	6.5	6.9	5.2	5.0	5.0	6.5	3.5	7.3	4.5	7.3	4.5
14	6.0	3.5	3.8	2.8	2.2	2.4	3.8	4.1	6.0	7.0	7.0	7.3	5.0	6.0	5.5	5.0	6.3	7.0	5.8	4.9	5.6	7.0^{F}	7.0^{F}	6.0
15	4.5	5.0	4.7	5.5	5.5	5.0	4.3	5.0	C	6.0^{Y}	7.3	4.3	4.5	4.1	5.0	5.0	5.4	C	6.0	7.1	7.0	7.2	7.0	7.0
16	5.0	7.0	7.0	4.3	2.8	4.4	3.8	4.8	6.5	7.0	5.0	7.8	7.3	5.0	4.3	4.0	3.5	4.0	4.0	7.3	7.0	7.3	7.0	7.0^{Y}
17	7.0	5.0	5.0	5.0	5.0	4.8	5.0	7.0	5.0	7.2	5.2	6.3	5.2	3.8	5.0	6.9	5.0	4.5	5.0	5.9	6.5	7.3	7.0	6.0
18	5.0	3.5	5.1	2.9	3.1	2.7	3.2	7.0	3.5	4.8^{Y}	5.0	4.7^{Y}	4.6	5.0	G	3.5	5.0	4.5	6.0	5.4	3.8	3.8	5.7	5.7
19	5.0	3.6	2.2	5.0	3.9	5.2	5.7	6.0	7.0^{Y}	5.8^{Y}	7.0^{Y}	>3.5^{C}	>3.5^{C}	>3.5^{C}	>3.5^{C}	>3.5^{C}	>3.5^{C}	6.7	5.6^{Y}	6.0	7.0	7.0	>3.5^{C}	>3.5^{C}
20	>3.0^{C}	>3.5^{C}	>3.1^{C}	>3.5^{C}	>3.5^{C}	>3.5^{C}	>3.5^{C}	6.6	6.7	7.0	7.0^{Y}	7.0^{Y}	5.5	6.7	5.7	5.7	4.1^{Y}	4.9	4.9	7.0	5.0	5.0	7.5	2.9
21	4.9	2.9	2.9	2.2	2.4	2.4	3.0	4.0	4.0	5.4	5.5	7.6	7.5	5.4	4.9	G	5.0	3.5	4.8	4.9	4.9	7.0	5.5	5.0^{Y}
22	3.2	5.0^{Y}	4.3	2.2	3.5	2.4	3.5	5.9	7.2	7.0	7.0	6.7	7.6	7.0	7.2	7.5	5.0	4.8	4.5	4.9	7.1	7.2	3.8	3.2
23	5.1	3.4	2.0	E	2.5	2.4	2.9	5.7	5.7	4.3	4.8	8.9	6.9	7.4	5.3	4.9	4.0	4.9	4.5	6.5^{Y}	4.5^{Y}	2.9	6.4	4.9
24	6.2	5.0	5.0	3.7	4.2	3.0	3.5	4.9	7.0	8.9	7.0	5.0	4.0	G	G	3.5	4.0	4.3	7.3	7.0	5.0	5.0^{Y}	5.9	5.0^{Y}
25	2.8	4.3	2.2	3.0	2.8	5.0	5.5	5.0	6.8	7.5	9.2^{Y}	8.6	7.5	6.5	6.0	7.1	7.0	4.4	4.0	7.0	4.5	5.3	7.0	5.2
26	4.0	3.3	2.9	3.0	2.2	2.4	3.8	6.5	4.3	4.3	4.2^{Y}	7.0	6.5	4.8	6.2	7.0	9.0	7.1	5.4	4.9	7.0	4.8	4.9	3.8
27	3.0	3.0	3.0	2.4	3.0	2.8	3.0	4.8	3.7	4.7	7.0^{Y}	7.0^{Y}	5.3	6.5	5.0	5.0	4.0	5.5	5.7^{F}	>4.0^{FC}	7.2	2.8	4.4	2.5
28	3.5	3.0	2.0	3.9	5.5	5.0^{F}	5.0	3.1	4.0	3.5	3.4	5.0	3.3	4.9	4.7	4.5	6.0	4.5	4.0	4.6	8.4	7.0	6.8	5.0
29	5.0	3.0	3.0	3.0	2.7	3.0	3.0	3.4	3.4	C	>3.0^{C}	C	C	C	C	C	C	C	>3.2^{C}	>2.7^{C}	>3.1^{C}	>3.2^{C}	>3.0^{C}	C
30	C	>2.0^{C}	>2.2^{C}	>2.1^{C}	>2.2^{C}	C	C	C	C	C	4.4	5.3	4.5	5.5	6.0	5.2	4.3	4.3	3.9	5.4	2.2	2.0	E	2.7
31	3.0	4.3	3.2	2.2	2.0	3.0	3.0	3.0	4.5	4.7	3.5	5.0	4.8	4.4	4.5	5.0	8.7	7.3	7.3	7.3	7.0	7.2	5.5	4.4
Mean Value	5.0	4.2	4.0	3.7	3.4	3.6	4.0	5.2	5.8	6.8	6.3	6.5	5.8	5.6	5.9	5.5	5.4	5.4	5.4	5.7	5.9	5.9	6.0	6.3
Median Value	5.0	4.5	3.6	3.4	3.1	3.5	3.8	5.0	5.8	7.0	7.0	7.0	5.2	5.4	5.0	5.0	5.0	5.0	5.4	5.6	7.0	7.0	6.6	5.0
Count	29	29	29	29	28	29	29	31	28	29	30	29	29	29	27	29	28	28	28	28	29	29	28	28

fEs

Sweep 1.0 Mc to 17.2 Mc in 2 min ☐ Manual ☒ Automatic

K 8

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

IONOSPHERIC DATA

Kokubunji Tokyo

Lat. 35° 42.4' N
Long. 139° 29.3' E

Aug. 1955

(M3000)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	2.9F	2.9F	2.8F	2.7	[2.8]F	2.8	3.2	3.5	A	A	A	A	2.7	2.7	2.8	2.9	3.3P	3.2	3.1	[3.0]AF	3.0F	2.9F	[3.0]AB	3.1AF
2	[3.0]F	2.9F	2.6F	2.8F	(2.8)F	3.4	2.7	2.9	3.4	A	A	A	B	2.9P	A	B	3.2	3.2	[3.2]A	3.1P	3.0	3.0	A	A
3	(3.0)B	(2.9)B	3.0F	(3.1)JF	(3.0)F	2.9	3.3	3.5	[3.4]A	3.2	A	A	A	A	2.8	[3.0]A	(3.1)J	3.1	[3.2]C	3.2	3.0	3.1	3.2	2.8
4	2.7F	2.9F	(2.8)F	2.9F	3.1F	3.1	3.1	3.1	3.0	3.1	3.0	(2.7)P	B	2.9	3.2	A	2.6P	2.8	C	C	C	C	C	C
5	2.9F	2.9F	2.7	3.0F	2.9F	2.8F	2.7	3.0	3.0	2.8	2.9	2.6	2.9	2.8	3.0	3.0	3.1	3.0	[3.0]A	3.0	3.1	2.6F	3.1F	(2.7)F
6	2.4	F	3.1F	2.6F	2.8F	3.1	3.1	2.5	2.9	3.0	2.9	2.8	(2.6)J	2.8	B	2.7	3.0	2.9	2.8	2.9P	3.1	2.9	2.7F	[2.8]A
7	2.8F	2.8F	2.8F	C	C	2.8	2.8	(2.5)J	3.2	2.9	A	G	2.3	2.5	2.9	2.9	C	C	2.9	[2.8]A	2.6	2.8	2.9	2.7
8	2.5	2.9F	2.8	3.1	[3.0]C	2.8	(3.0)J	2.9	[3.0]C	3.0	2.9	[2.9]A	2.9	3.1	3.0	3.1	3.2	3.0	2.9	2.9	3.1	(2.9)J	2.9F	2.9F
9	(2.7)F	2.9F	F	3.2F	[3.1]AF	3.0F	3.4	3.2	3.2	3.1	[30]A	2.9	2.8	3.0	3.0	3.0	2.9	[2.9]A	2.9	2.8P	3.2P	2.9	2.9	(3.0)JF
10	2.8F	(3.0)J	2.8	2.9	3.0F	2.9F	3.2	3.1	3.0	3.0	A	A	A	3.0	3.0	3.0	3.1	3.0	3.0	2.9	2.9	2.7	[2.9]A	3.1
11	[3.0]A	2.8	[2.8]A	2.7	(3.2)JF	3.1	3.1	A	A	A	A	2.7	2.9	2.9	(3.0)J	[3.0]A	3.0	3.2	[3.1]A	3.0	AF	A	A	2.9
12	2.8	2.8F	2.9F	3.0	2.8	3.0	3.1	3.3	3.4	2.6	3.0	3.0	3.0	2.7	3.1	3.0	3.0	2.8	2.9	3.0P	3.3	3.0	2.8	3.1
13	2.9	2.9F	(2.8)JF	2.9F	2.7F	3.2	3.2	[3.2]A	3.2	[3.2]A	3.1	3.0	3.0	3.0	3.0	2.9	3.0	3.0	2.9	3.1P	3.2	3.1	3.2	2.8
14	(2.9)J	2.9F	3.0F	(3.1)F	3.4F	3.1	3.0	3.6	3.1	[3.2]C	3.2	[3.0]A	2.7	A	3.3	2.9	3.0	2.9	3.1	[3.2]B	3.2	2.9	2.9F	3.0F
15	2.9	2.8	2.7F	2.7F	2.8F	3.0	3.5	3.5	C	A	A	B	2.7	2.9	(3.1)J	3.2	3.0	[3.0]C	2.9	A	(2.7)F	A	A	A
16	3.0	3.0	A	3.0F	3.2F	3.0F	3.0	B	3.5	A	B	A	A	B	3.0	2.9	3.0	2.9	3.0	[3.4]A	3.7P	3.1	A	A
17	2.9	[2.8]A	2.8	A	2.7F	3.1	3.2	3.1	3.3	3.1	3.1	[3.1]A	3.1	(3.1)B	3.0	3.1	(3.2)P	3.1	(3.1)J	(3.1)F	3.0	3.0	A	A
18	A	3.3F	[3.2]A	3.0F	3.3F	B	3.4	3.2	(3.1)B	B	B	B	B	B	(3.2)B	3.2	3.0P	2.9	2.7	3.0	[3.2]B	3.3	A	A
19	A	3.0P	F	3.2	3.4F	A	A	3.2	[32]A	3.2	[3.0]A	2.9	3.0	C	C	C	C	A	A	3.0	A	A	C	C
20	C	C	C	C	C	3.2	C	A	C	A	A	A	3.2	[3.2]A	3.1	3.2	3.3	3.2	3.3	3.1	[3.0]A	(3.0)JF	3.3	(3.1)JF
21	A	(3.1)F	(3.0)JF	(3.2)J	(3.8)J	3.3	3.5	3.2	3.2	3.7	3.2	(2.8)J	[3.0]A	3.3	3.0	B	3.2	(3.1)B	3.1	3.1	3.4	3.5	3.2	A
22	B	3.0	(3.1)JF	(3.1)J	3.0F	(3.1)J	B	3.3	3.4	3.5	A	A	A	3.1	3.0	[3.0]A	3.1	3.2	3.1	3.0	2.8	3.1	(3.2)J	3.3
23	[3.2]A	(3.0)J	3.1F	B	(3.1)J	(3.2)J	3.3	B	3.5	3.5	B	A	A	A	3.0	3.1	3.2	3.2	3.1	3.1P	3.1	3.0	3.1	3.4
24	(3.0)J	AF	(3.2)JF	(3.0)JF	(3.1)JF	2.8F	3.2P	B	3.5	A	A	3.0	3.0	3.3	B	3.0	3.0	3.1	3.0	3.1F	3.2	3.2P	A	3.3
25	2.9	(3.0)J	3.0	3.0F	3.1F	A	3.2	(3.4)P	3.4	A	A	3.3	A	A	A	3.1	3.2	3.1	3.2	[3.2]A	(3.2)J	3.3	[3.0]A	2.8
26	2.8	2.9F	3.1F	3.2F	3.6	3.1	(3.2)J	3.7	3.4	3.4	(3.5)P	A	A	3.1	3.2	3.0	A	A	A	A	A	S	3.1	A
27	(3.0)J	B	2.9	3.0	(3.1)F	3.3S	3.3	3.5	3.7	3.7	A	A	3.0	[3.0]A	(3.1)J	3.0	3.3	3.0	3.0	3.3P	3.6	F	C	3.2F
28	3.0	2.9FD	2.9	3.0F	3.0F	[3.2]AF	3.3	3.4	3.0H	3.2	3.3	3.7	3.1	3.0	3.0	3.0	2.9	2.7	(3.0)P	B	A	A	A	2.7
29	A	C	C	C	(3.4)J	B	B	B	B	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
30	C	C	2.9P	3.0P	3.3	C	C	C	C	C	3.4P	3.0	3.1	3.1	3.1P	3.2P	3.2	(3.5)P	3.2	(3.2)J	3.0	3.2	2.9	3.0
31	(3.1)J	2.8	2.8	2.9	3.0P	3.0	3.3	3.4	3.2	3.6	3.4	3.1	3.2	3.1	3.1	3.1	[3.0]A	3.0P	A	BF	B	3.2	2.8	3.0
Mean Value	2.9	2.9	2.9	3.0	3.1	3.1	3.2	3.2	3.3	3.2	3.1	3.0	2.9	3.0	3.0	3.0	3.1	3.0	3.0	3.1	3.1	3.0	3.0	3.0
Median Value	2.9	2.9	2.9	3.0	3.1	3.1	3.2	3.2	3.2	3.2	3.1	3.0	3.0	3.0	3.0	3.0	3.1	3.0	3.0	3.1	3.1	3.0	3.0	3.0
Count	24	25	26	26	29	26	26	24	25	20	15	18	20	23	25	26	27	27	26	25	24	23	19	21

73.1
3.05

(M3000)F2

Sweep 1.0 Mc to 12.2 Mc in 2 min ☐ Manual ☒ Automatic

K 9

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

IONOSPHERIC DATA

Aug. 1955 | fminF | 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	1.6	2.0	1.5	1.5	1.1	1.4	3.0	6.0[A]	A	A	A	A	4.1[A]	4.1[A]	4.7[A]	3.0	2.9	3.5[A]	2.7	(2.6)[A F]	2.5	2.2	(1.8)[A F]	1.5
2	1.6	1.5	1.3	1.1	1.0	1.5	2.5	3.5	3.8	(3.8)[A]	3.8[A]	A	A	3.9	(4.2)[A]	4.4[A]	4.0[A]	4.5[A]	(3.6)[A]	2.6[A]	2.2	1.7	A	A
3	A	3.5[A]	1.4	1.6	1.5	2.3	2.6	5.0[A]	(4.4)[A]	3.8	A	A	A	A	5.4[A]	(5.7)[A]	6.0[A]	6.0[A]	(4.7)[C]	3.4[A]	1.5	2.5	2.5	2.5[A]
4	1.5	1.5	1.5	1.2	1.8	1.9	2.3	3.5	5.0[A]	3.8	3.7	4.0	4.3	4.2	3.9	(3.6)[A]	3.4	4.3[A]	C	C	C	C	C	C
5	A	4.0[A]	4.0[A]	1.8	1.6[F]	2.1	5.0[A]	4.0[A]	5.7[A]	5.5[A]	3.7	3.8	4.0	4.0	3.5	5.0[A]	3.9[A]	2.8	(2.2)[A]	1.5	1.5	2.5	2.3	2.5
6	4.0[A]	1.7	2.5	(2.4)[A]	2.2	1.6	2.5	3.7[A]	3.5	4.0[A]	3.6	4.0	4.0	3.8	4.0	4.2[A]	3.5	4.4[A]	3.0	4.0[A]	2.5	2.5	2.5	A
7	A	2.6	A	C	C	1.8	2.6	3.5	4.2[A]	4.0	(4.2)[A]	4.3[A]	4.0[A]	4.0[A]	4.5[A]	3.7	C	C	4.4[A]	(4.4)[A]	4.3[A]	2.5	4.0	3.6
8	2.6	2.3	2.3	1.8	(2.0)[C]	2.2	2.5	3.3	C	5.4[A]	4.1	(4.9)[A]	5.7[A]	5.0[A]	5.9[A]	3.8	3.4	2.6	2.1	1.4	2.5[A]	A	A	2.6[A]
9	2.7[A]	3.5[A]	(2.0)[A]	1.5	1.0	1.5	4.0[A]	3.1	4.1	5.0[A]	(4.5)[A]	4.0	5.0[A]	5.0[A]	3.9	4.7[A]	3.5	(4.2)[A]	5.0[A]	1.5	1.7	2.2	1.7	4.0[A]
10	A	A	5.0[A]	2.5[A]	1.5	1.7	2.5	4.2[A]	5.1[A]	5.4[A]	A	A	A	4.0	3.9	3.9	3.4	3.0	2.5	1.5	5.0[A]	2.5[A]	(2.4)[A]	2.4
11	(2.2)[A]	2.0	(1.8)[A]	1.5	1.3	2.0	2.5	A	A	A	A	5.5[A]	4.2	4.0	5.0[A]	(5.0)[A]	5.0[A]	3.3[A]	(2.4)[A]	1.5	AF	A	A	4.0[A]
12	(3.0)[A]	2.0	2.5[A]	1.5	1.5	1.5	2.5	4.5[A]	3.9	3.5	3.9	4.1	4.0	3.8	3.5	3.4	3.2	2.8	2.4	2.5[A]	1.5	2.5	4.8[A]	2.5
13	3.3[A]	2.9[A]	[2.3][A]	1.7	1.3	2.2	3.3	(4.8)[A]	6.4[A]	(5.6)[A]	4.9[A]	4.3	5.0[A]	5.2[A]	4.0[A]	3.5	3.5	2.7	4.4[A]	1.6	2.3	2.2	2.5[A]	(2.0)[A]
14	1.5	1.4	2.5	1.4	1.2	1.5	A	2.7	4.5[A]	5.5	4.6[A]	(4.4)[A]	4.1[A]	(4.0)[A]	4.0	4.0	4.8[A]	6.0[A]	4.3	2.5	2.5[A]	2.2[F]	2.5[F]	1.5
15	2.2	1.6	1.5	2.5	(2.1)[A]	1.7	3.4[A]	<6.5[C]	C	A	A	A	5.5	4.2	4.5[A]	4.2[A]	4.8[A]	(5.0)[C]	5.1[A]	A	A	A	A	A
16	2.5[A]	3.6[A]	A	1.6	1.6	2.4	2.4	3.5	6.0[A]	4.0	4.1	A	A	4.0	3.8	3.6	2.9	3.5[A]	3.7	A	A	2.8	A	A
17	2.4[A]	(2.0)[A]	1.5	1.5	1.3	3.5[A]	3.5[A]	4.8[A]	3.5	4.0[A]	4.3[A]	(4.4)[A]	4.5[A]	3.3	4.5[A]	5.4[A]	4.1[A]	4.0[A]	4.4[A F]	4.0[A F]	2.3	4.2[A F]	A	A
18	A	2.2	(1.9)[A]	1.6	1.4	1.6	2.5	3.3	3.5	3.5	4.5[A]	4.3[A]	4.0[A]	4.1[A]	4.0	4.1	4.0[A]	4.1[A]	2.2	2.1[A]	2.5[A]	1.5	A	A
19	A	1.9	1.3	2.5[A]	1.5	A	A	5.4[A]	(5.2)[A]	5.0[A]	A	<5.0[C]	5.5	C	C	C	C	C	A	5.5[A]	A	A	C	C
20	1.5	(1.9)[C]	2.3	2.6	1.9	1.9	2.6	A	C	C	A	A	5.0[A]	A	5.1[A]	4.5[A]	3.0	3.5	4.0[A]	4.0[A]	(3.9)[A]	3.8[A]	2.3	1.5
21	3.8[A]	(2.6)[A]	1.4	1.5	1.1	1.7	2.5	2.6	3.1	3.8	4.6[A]	3.5	(4.0)[A]	4.6[A]	3.6	3.5	3.5	2.9	4.0[A]	3.5	(3.7)[A]	3.9[A]	1.5	A
22	A	1.5	3.5[A]	2.2[A]	1.2	1.7	3.5[A]	4.4[A]	5.0[A]	5.3[A]	A	A	A	5.1[A]	5.5[A]	A	3.5	3.3[A]	4.0[A]	2.5[A]	2.5[A]	2.4[A]	1.6	1.5
23	(1.4)[A]	1.4	1.3	1.2	1.1	1.5	3.3[A]	3.8	3.8	3.5	3.9	A	A	A	4.5[A]	4.1[A]	2.9	4.0[A]	2.6	4.2[A]	2.4	1.5	3.7[A]	3.8[A]
24	A	AF	1.7	1.7	1.2	1.6	2.2	3.0	5.8[A]	A	A	4.2[A]	3.8	3.5	3.5	3.3	2.8	A	4.8[A S]	5.0[A F]	4.3[A]	3.3[A]	(3.6)[A]	4.0[A]
25	3.8[A]	3.8[A]	1.6	1.6	1.6	A	4.0[A]	4.5[A]	6.0[A]	A	A	6.4[A]	A	A	A	5.0[A]	2.6	2.5	2.9	(2.2)[A]	1.5	3.5[A]	A	2.4[A]
26	2.4[A]	2.5[A]	1.5	1.4	1.3	1.5	2.5	4.0[A]	3.5	3.5	3.6	A	A	4.0	4.1[A]	4.5[A]	A	A	A	A	A	1.5	2.4[A]	A
27	2.5[A]	1.5	1.5	1.1	1.1	1.5	2.4	2.7	3.0	4.0[A]	A	A	4.3[A]	(4.0)[A]	3.7	4.3[A]	3.2	4.3[A]	2.5[A]	2.6	2.5	1.5	2.5	1.7
28	1.4	1.5	1.3	2.0	1.7[A F]	(2.1)[A F]	2.5	2.6	3.4	3.7	4.0	4.1	3.8	4.2	4.0	4.2[A]	4.7	2.7	3.2	2.2[A F]	A	A	A	2.3
29	(2.4)[A]	2.5[A]	1.9	2.0	2.0	2.2	2.5	A	A	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
30	C	C	1.5	1.5	1.5	C	C	C	C	C	4.0	4.7[A]	3.8	4.3[A]	5.5[A]	4.0[A]	3.5	3.5[A]	3.4	3.7[A]	1.7	1.5	1.6	1.6
31	2.5	2.5	2.5[A]	1.5	1.3	1.2	2.3	2.9	3.5	4.0[A]	4.2	4.2	4.4[A]	4.0	4.0	3.7	(4.8)[A]	6.0[A]	(4.3)[A]	2.4[A F]	5.0[A]	2.5	1.5	2.5[A]
Mean Value	2.4	2.3	2.0	1.7	1.5	1.8	2.9	4.0	4.4	4.3	4.1	4.4	4.4	4.2	4.3	4.2	3.7	3.8	3.5	2.9	2.7	2.5	2.5	2.5
Median Value	2.4	2.0	1.7	1.6	1.4	1.7	2.5	3.5	4.2	4.0	4.1	4.2	4.2	4.0	4.0	4.2	3.5	3.5	3.6	2.6	2.5	2.5	2.4	2.4
Count	22	28	29	30	30	28	28	25	24	23	19	18	22	25	28	28	27	26	27	26	23	24	19	20

fminF

Sweep 1.0 Mc to 17.2 Mc in 2 min ☐ Manual ☒ Automatic

K 10

19

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

IONOSPHERIC DATA

Aug. 1955 | foE | 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	1.4	1.4	1.1	2.1	1.0	1.5	1.5	1.4	1.5	1.5	2.1	2.1	2.1	1.5	2.1	1.5	1.5	1.4	1.4	1.5	1.5	1.5	1.4	1.6
2	1.4	1.5	1.1	1.1	1.5	1.5	1.0	1.5	1.4	1.5	1.5	1.6	1.5	2.2	1.5	1.5	1.5	1.5	1.4	1.4	1.5	1.5	1.5	1.4
3	1.4	1.4	1.1	1.4	1.1	1.4	1.5	1.5	1.5	2.0	2.1	2.3	2.2	2.2	1.6	1.4	1.7	1.4	[1.4]^{c}	1.5	1.1	1.2	1.5	1.5
4	1.5	1.5	1.3	1.1	1.0	1.3	1.5	1.5	1.5	1.7	2.1	1.6	2.0	1.5	1.5	1.5	1.5	1.5	C	C	C	C	C	C
5	1.2	1.2	1.1	1.1	1.0	1.5	1.4	1.5	1.5	1.5	2.1	2.5	2.0	2.0	1.7	1.8	1.5	1.5	1.5	1.4	1.1	1.5	1.0	1.5
6	1.4	1.4	1.0	1.1	1.0	1.5	1.5	1.5	1.5	1.6	1.5	1.6	2.3	1.6	2.6	1.6	1.4	1.4	1.5	1.5	1.1	1.1	1.2	1.0
7	1.4	1.4	1.0	C	C	1.3	1.4	1.4	1.6	2.1	2.1	2.1	2.1	2.2	2.2	1.5	C	C	1.0	1.5	1.4	1.5	1.5	1.3
8	1.5	1.5	1.1	1.2	C	E	1.7	1.5	[1.8]^{c}	2.1	2.1	2.1	2.2	2.2	2.2	2.0	1.5	1.5	1.4	1.5	1.4	1.5	1.5	1.5
9	1.5	1.4	E	1.0	E	1.5	1.6	1.5	1.5	1.7	2.1	2.1	2.1	2.1	2.1	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.3
10	1.4	1.3	1.4	1.4	1.2	1.4	1.5	1.5	1.6	1.6	1.6	1.9	2.1	1.9	2.0	1.5	1.5	1.5	1.5	1.4	1.2	1.5	1.4	1.3
11	1.5	1.5	1.2	1.1	E	1.4	1.5	1.5	1.5	1.5	1.5	2.1	2.1	1.5	1.6	1.5	1.5	1.5	1.5	1.4	1.5	1.5	1.5	1.5
12	1.2	1.4	1.4	1.2	1.2	1.5	1.5	1.4	1.5	2.1	1.4	2.0	2.1	2.4	2.4	1.7	1.6	1.4	1.5	1.4	1.5	1.4	1.5	1.5
13	1.4	1.4	1.2	1.2	1.2	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.7	2.1	2.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
14	1.0	1.5	1.3	1.2	1.5	1.5	1.5	1.5	1.5	1.5	2.2	1.5	2.2	2.2	2.3	2.0	1.5	2.2	1.5	1.4	1.5	1.5	1.5	1.5
15	1.0	1.4	1.3	1.3	1.2	1.5	1.4	1.4	C	2.4	1.4	1.4	1.5	2.5	2.5	2.0	2.5	[2.0]^{c}	1.5	1.5	1.6	1.5	1.5	1.5
16	1.5	1.5	1.2	1.2	1.2	1.4	1.5	1.6	1.6	2.1	1.5	2.0	2.5	2.5	2.5	1.5	2.1	1.6	1.5	1.5	1.5	1.5	1.5	1.5
17	1.5	1.1	1.3	1.2	1.3	1.5	1.5	1.5	1.5	2.1	1.5	2.4	2.2	2.4	2.3	2.3	1.5	1.5	1.5	1.4	1.5	1.5	1.5	1.5
18	1.5	1.5	1.5	1.3	1.1	1.5	1.5	1.5	2.2	1.9	2.0	1.8	2.4	2.0	1.5	1.4	1.7	1.6	1.5	1.1	1.5	1.5	1.6	1.5
19	1.5	1.5	1.2	1.1	1.1	1.5	1.5	1.4	1.5	1.5	1.5	1.5	2.4	1.8	1.5	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
20	1.5	1.5	1.5	1.3	1.2	1.4	1.5	1.6	2.3	1.7	1.7	2.4	2.1	2.3	2.6	1.6	1.6	1.7	1.6	1.5	1.5	1.5	1.5	1.4
21	1.5	1.5	1.2	1.2	1.4	1.5	1.4	1.5	1.5	1.5	1.5	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.5	1.5
22	1.5	1.4	1.3	1.1	E	1.4	1.5	1.5	1.5	1.5	1.5	1.5	2.4	1.5	2.2	1.5	1.5	1.4	1.5	1.5	1.1	1.5	1.5	1.4
23	1.5	1.5	1.5	E	1.1	1.6	1.5	1.5	1.6	1.5	2.2	1.9	2.3	2.2	1.6	1.5	1.4	1.5	1.5	1.5	1.4	1.4	1.5	1.5
24	1.5	1.5	1.1	1.2	1.4	1.4	1.4	1.6	2.1	1.6	2.3	1.6	1.5	2.0	1.4	1.5	1.5	1.4	1.5	1.4	1.5	1.5	1.0	1.1
25	1.4	1.5	1.0	1.3	1.1	1.5	1.5	1.6	<1.9^{c}	2.4	2.3	2.4	2.5	2.5	2.4	1.5	1.5	1.5	1.5	1.4	1.5	1.5	1.5	1.5
26	1.5	1.5	1.2	1.3	1.3	1.5	1.4	1.5	1.6	1.5	1.9	2.3	2.4	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
27	1.5	1.5	1.2	1.5	1.2	1.5	1.4	1.4	1.5	1.5	1.5	1.6	2.4	1.5	1.5	1.5	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5
28	1.5	1.5	1.5	1.1	1.2	1.5	1.5	1.5	1.6	1.6	2.4	2.4	2.3	2.4	2.1	1.6	1.5	1.5	1.5	1.5	1.3	1.5	1.3	1.5
29	1.6	1.4	1.2	1.2	1.0	1.4	1.0	1.5	1.5	1.5	2.4	2.5	C	C	C	C	C	C	1.5	1.4	1.4	1.5	1.6	C
30	C	1.5	1.5	1.5	1.3	C	C	C	C	C	1.6	2.2	2.3	2.2	2.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	E	1.5
31	1.5	1.4	1.3	1.3	1.2	1.5	1.4	1.6	1.5	2.4	2.5	1.8	2.2	2.2	1.5	1.4	1.5	1.5	1.5	1.5	1.5	1.4	1.5	1.5
Mean Value	1.4	1.5	1.2	1.3	1.2	1.5	1.5	1.5	1.6	1.8	1.9	2.0	2.0	2.0	2.0	1.6	1.6	1.5	1.4	1.5	1.4	1.5	1.4	1.4
Median Value	1.5	1.5	1.2	1.2	1.2	1.5	1.5	1.5	1.5	1.6	1.9	2.0	2.2	2.2	2.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Count	30	31	31	30	29	30	30	30	28	30	31	31	30	30	30	30	29	29	30	30	30	30	30	29

foE

Sweep 1.0 Mc to 17.2 Mc in 2 min ☐ Manual ☒ Automatic

K 11

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

IONOSPHERIC DATA

Aug. 1955 | **ypF2** | **Kokubunji Tokyo** | Lat. 35° 42.4' N | Long. 139° 29.3' 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	80 F	50 F	70 F	80	[70] F	60	40	A	A	A	A	A	U	50	90	70	60 P	50	70	[70] AF	70 F	70 F	[80] AF	80 AF
2	[80] F	80 F	90 F	80 F	(50) F	50	U	60	50	A	A	A	B	40 P	A	B	80	70	[80] A	80 P	70	70	A	A
3	(50) B	(60) B	60 F	(70) JF	(90) F	70	60	50	[40] A	40	A	A	A	A	60	[60] A	(70) J	A	C	50	90	60	80	40
4	80 F	70 F	(60) F	60 F	110 F	60	60	30	60	60	90	U	B	50	70	A	U	90	C	C	C	C	C	C
5	60 F	90 F	80	60 F	60 F	50 F	60	70	70		40	60	70	130	60	50	50	40	[60] A	70	80	80 F	60 F	(60) F
6	70	F	80 F	110 F	60 F	80	80	U	60	70	U	U	U	U	B	U	40	70	90	60 P	60	120	60 F	[60] A
7	60 F	90 F	60 F	C	C	100	60	U	50	U	A	G	U	U	U	U	C	C	70	[80] A	90	80	60	60
8	90	60 F	50	60	[60] C	70	(50) J	50	[60] C	60	U	A	A	30	60	50	70	100	80	70	60	(90) J	60 F	50 F
9	(80) F	60 F	F	60 F	[60] AF	70 F	80	70	50	60	A	U	80	70	50	70	70	[60] A	60	50 P	40 P	80	80	(70) JF
10	90 F	(50) J	70	70	80 F	70 F	70	60	90	A	A	A	A	70	60	50	100	60	60	90	90	80	[60] A	50
11	[70] A	90	[80] A	80	(70) JF	80	50	A	A	A	A	A	U	U	U	A	50	70	[70] A	70	AF	A	A	A
12	90	90 F	60 F	80	90	100	50	50	40	U	60	U	50	60	70	60	90	120	80	40 P	40	90	80	50
13	70	60 F	(100) JF	70 F	70 F	70	50	A	A	A	40	50	50	60	70	30	60	80	60	30 P	60	70	70	90
14	(80) J	70 F	40 F	(50) F	50	120	60	50	70	[60] C	40	[60] A	90	A	40	90	80	[60] A	40	[60] B	70	100	70 F	70 F
15	60	80	90 F	50 F	50 F	60	40	C	C	A	A	B	50	U	B	70	70	[80] C	80	A	(80) F	A	A	A
16	50	50	A	90 F	80 F	80 F	40	B	A	A	B	A	A	B	40	70	100	70	50	[40] A	30 P	100	A	A
17	60	[80] A	90	A	80 F	[60] A	50	50	70	30	30	[30] A	30	U	60	40	(50) P	60	(70) J	(60) F	80	80	A	A
18	A	(70) F	[70] A	70 F	70 F	B	60	50	(70) B	B	B	B	B	B	(30) B	50	60 P	60	70	50	[40] B	30	A	A
19	A	40 P	F	60	40 F	A	A	A	A	40	A	C	B	C	C	C	C	A	A	A	A	A	C	C
20	C	C	C	C	C	50	C	A	C	A	A	A	50	[60] A	60	50	50	50	60	60	[60] A	(50) JF	50	(90) JF
21	A	(50) F	(80) J	(70) J	(50) J	70	50	40	50	20	U	U	A	A	40	B	70	(60) B	50	110	70	70	60	A
22	B	80	(60) J	(70) J	90 F	(70) J	B	70	50	60	A	A	A	40	A	A	70	70	80	80	90	60	(50) J	80
23	[70] A	(60) J	50 F	B	(60) J	(50) J	50	B	U	50	B	A	A	A	60	80	50	70	70	60 P	60	60	70	50
24	(50) J	AF	(60) JF	(60) JF	(60) JF	70 F	40 P	B	A	A	A	U	U	U	B	50	60	70	80	80 F	70	70 P	A	A
25	60	(70) J	80	50 F	60 F	A	70	(50) P	A	A	A	A	A	A	A	A	40	60	60	[40] A	(30) J	50	[60] A	70
26	110	50 F	50 F	80 F	80	50	(50) J	40	70	U	U	A	A	50	40	50	A	A	A	A	A	S	60	A
27	(60) J	B	60	70	(60) F	50 S	40	50	30	U	A	A	U	A	(70) J	60	50	50	60	50 P	40	F	C	70 F
28	80	60 FP	70	80 F	50 F	[60] AF	60	40	U	80	110	U	40	90	U	80	50	60	(90) P	B	A	A	A	50
29	A	C	C	C	(50) J	B	B	B	B	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
30	C	C	50 P	50 P	60	C	C	C	C	C	U	A	U	70	[60] A	40 P	70	(30) P	70	(90) J	70	60	60	70
31	(60) J	60	70	70	40 P	70	70	50	70	30	50	80	50	50	70	60	[60] A	50 P	A	BF	B	40	80	50
Mean Value	70	70	70	70	70	70	60	50	60	50	60	60	60	50	60	60	60	70	70	60	60	70	70	60
Median Value	70	60	70	70	60	70	50	50	60	60	40	60	50	60	60	60	60	60	70	60	70	70	60	60
Count	24	25	26	26	29	26	25	18	18	13	8	5	10	15	20	21	26	26	25	24	24	23	17	19

ypF2

Sweep 1.0 Mc to 12.2 Mc in 2 min ☐ Manual ☒ Automatic

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

IONOSPHERIC DATA

Aug. 1955 | foF2 | 135° E Mean Time | Yamagawa | 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	4.8	F	F	F	4.3	4.3	4.9	5.0	A	A	A	5.7	5.5	[6.8]^{A}	8.1	9.5	7.4	6.1	5.6	5.7	6.3	6.3	5.6	F
2	F	F	F	F	A	F	4.9	6.1	9.0	5.8	5.1	[5.4]^{A}	5.8	7.6	[8.0]^{A}	8.5	8.2	8.5	7.3	6.4	7.0	6.9	5.9^{H}	5.9
3	5.6	5.2	4.4	4.3^{F}	4.0	3.9^{F}	5.0	6.5	5.7	5.9^{H}	6.3	5.9	6.5	7.4	[8.2]^{A}	9.0	9.0	7.7	7.0	6.6	6.7	6.5	4.8	4.4
4	4.3$^{J}_{F}$	4.4$^{J}_{F}$	4.2	3.8^{F}	3.8	3.4^{F}	4.4	5.9	7.0	7.0	6.0	5.5	6.0^{J}	7.5	7.5	6.3	6.1	6.8	7.5	7.5	8.0^{x}	6.6	6.6	6.7^{H}
5	6.5	6.3^{F}	6.1	5.7^{J}	5.4^{F}	5.2	5.2^{F}	7.9	8.0	6.2	6.5	7.2	8.5	8.5	7.9	8.4	7.5	6.1	7.0	7.9	S	7.0	5.9	5.7
6	F	F	6.9	4.7$^{J}_{F}$	F	F	4.9^{F}	5.2	6.3	6.2	6.1	5.9	6.1	5.9	6.4	6.2	6.3	6.5	6.7	7.3	7.1	6.0	5.0	5.1 F
7	F	F	F	6.3^{F}	4.4	3.4^{F}	3.8	5.4	7.1	5.1	[5.0]^{A}	4.8	A	A	6.0	6.3	5.9	5.9	6.1	6.2	6.8^{H}	6.4	5.6^{F}	F
8	F	F	F	F	F	4.3	4.8	6.3	6.4	6.3	5.5	6.2	6.1	7.2	8.3	8.5	7.0	6.6	7.4	7.9	7.9	5.4	F	F
9	4.8^{F}	4.9^{F}	4.7	5.2^{V}	4.7	4.5	4.9	5.9	5.9	7.0	7.0	6.2	6.5	6.4	6.8	7.0	7.4	7.7	8.6	9.4	9.9^{S}	7.8	6.5	6.7^{F}
10	7.6	6.9	6.7^{F}	5.7	5.0^{F}	4.4$^{J}_{F}$	4.5	6.2	6.3	6.2	7.0	A	A	8.1	7.8	7.7	7.4	6.2	6.5	6.5	7.0	6.9^{F}	6.4$^{J}_{F}$	[6.4]^{F}
11	6.4$^{J}_{F}$	F	6.9$^{J}_{F}$	7.0	F	F	4.7	5.9	[6.1]^{A}	6.3	6.1	[6.2]^{A}	6.2$^{P}_{H}$	6.6	7.0	7.5	8.0	7.2	6.3	7.2	7.9	7.0	5.5	F
12	F	F	F	F	F	4.4$^{V}_{F}$	5.5	6.0	5.8	5.6	6.5	6.2	6.5	7.2	7.0	6.9	6.5	7.1	7.8^{P}	8.5	8.5	7.3	6.7	5.5^{x}
13	F	F	F	F	F	F	5.0	6.7	6.5	6.0	6.5	[6.8]^{A}	7.2	7.3	6.8	7.3	7.2	7.1	8.1	8.3	7.8	6.8	6.2	6.0
14	6.1$^{J}_{F}$	5.9^{J}	6.2^{F}	5.6	4.7	F	4.8	6.5	7.8^{P}	6.2^{J}	5.6	6.4	8.0	9.0	[8.8]^{A}	8.6	8.9	9.0	9.3	9.8^{P}	8.6	5.9^{H}	4.9^{V}	4.6
15	5.1	[4.8]^{A}	4.6	F	F	A	6.4^{F}	5.9	5.7	[6.2]^{A}	6.7	6.8	7.9	7.4	8.5	8.8	7.0	6.9	7.4	8.5	7.0	4.9	F	F
16	F	F	F	5.0$^{J}_{F}$	F	F	5.2	6.1	5.9	5.9	6.0	6.3	7.4	8.1	8.7	8.6	7.9	8.2	8.8	(9.9)^{P}	8.3	7.0	5.5$^{E}_{S}$	F
17	F	F	F	F	3.6$^{J}_{F}$	A	4.4^{J}	6.0	7.1	6.0	6.2	6.7	7.1	7.7	7.7^{P}	8.0	8.1	7.5	7.5	8.0	7.5	6.4	6.4^{F}	6.9
18	6.0^{F}	F	F	F	F	F	5.3^{F}	6.3	7.0	7.9	6.5	5.8	7.1	7.4^{P}	6.5	6.0	5.9	5.9	7.8	9.0	7.6	F	A	F
19	F	A	AF	F	3.7^{F}	3.4^{F}	[4.4]^{A}	5.3	[5.8]^{A}	6.3^{J}	A	A	7.5	8.3	9.7	7.9	5.5	5.0	5.9	7.1	6.9	FS	F	F
20	F	F	A	5.0^{F}	3.5^{F}	F	4.6	5.9	5.9	[6.8]^{A}	7.8	8.0	8.1	8.0^{H}	7.9	8.0$^{P}_{H}$	7.5	7.0^{H}	5.7	5.8	6.0	F	A	F
21	A	4.5$^{J}_{F}$	F	F	F	A	A	5.5	6.5	6.3	5.9	6.4	6.2	6.8	6.7	6.5	6.1	5.5	5.9	7.1	(9.4)^{P}	A	F	F
22	3.6^{F}	3.6^{F}	4.0$^{J}_{F}$	C	C	C	C	C	6.8	C	C	C	C	C	C	C	C	C	C	C	5.7	5.2^{F}	F	F
23	A	4.3^{J}	F	F	F	3.4^{F}	4.5	5.0^{V}	5.5	5.9	5.4	A	A	A	A	8.3	8.4	8.4	7.9	7.0	5.8	6.0	5.3	3.7^{H}
24	2.9^{H}	2.9	3.0	3.2	3.3^{F}	3.2^{F}	3.9^{J}	6.8	5.9	5.2	5.5	6.0	6.3	5.1	5.5	6.2	6.6	7.5	8.0	[7.1]^{A}	6.2	5.6	3.8^{H}	FSH
25	A	F	F	A	A	F	3.7	6.5	C	C	C	C	C	C	C	C	C	C	A	FS	3.8	A	AS	A
26	F	3.8^{F}	[3.7]^{F}	3.6^{F}	3.0$^{J}_{F}$	3.0^{F}	3.9	6.1	6.4	A	A	5.8^{x}	6.0	6.0	6.2	6.8	7.6	7.2	7.5	7.1	7.3	7.6^{J}	A	F
27	F	A	F	3.2^{F}	[3.3]^{A}	3.4	5.3^{F}	6.5	5.4	5.9	5.5	5.9	5.5	6.3	7.5	7.6	6.5	6.5	8.5	8.8	7.5	4.4	[4.6]$^{B}_{S}$	4.7^{V}
28	F	F	F	4.8^{F}	3.8	3.0^{F}	3.9	5.5	6.7	6.0	5.9^{V}	5.1	6.0^{J}	6.6	7.1	6.2	6.6	8.3	9.5	11.5	8.8	3.4^{V}	3.5	3.7
29	3.7^{F}	3.8^{F}	3.7^{F}	3.7	3.5	3.2^{F}	3.9^{J}	6.0	6.7	7.3	6.5	6.6	6.5	6.6	7.0	7.0	7.0	7.0	7.9^{H}	8.5	10.1	7.2	3.0	3.1^{F}
30	3.2^{F}	F	F	3.2^{F}	3.2^{F}	2.8	C	C	6.2	6.3	5.9	6.4	6.2	6.3	6.8	7.4	8.0	7.2	7.4	7.8^{P}	7.2	5.8^{F}	5.4^{F}	FH
31	F	F	4.5^{F}	4.2$^{J}_{F}$	[4.0]^{F}	3.9	4.7	7.2	6.4	6.5	7.8	7.4	6.8	7.2	6.6	7.4	[8.2]^{A}	9.0	10.0^{P}	9.9^{J}	A	A	A	3.4
Mean Value	5.0	4.7	5.0	4.7	4.0	3.7	4.7	6.1	6.5	6.2	6.2	6.2	6.7	7.2	7.4	7.5	7.2	7.1	7.5	7.9	7.4	6.3	5.4	5.2
Median Value	5.0	4.5	4.6	4.8	3.8	3.4	4.8	6.0	6.4	6.2	6.1	6.2	6.5	7.2	7.3	7.5	7.4	7.1	7.5	7.8	7.3	6.4	5.5	5.3
Count	14	13	14	18	18	18	28	29	29	27	26	26	26	27	28	29	29	29	29	29	29	25	21	16

foF2

Sweep 1.0 Mc to 22.0 Mc in 1 min ☐ Manual ☒ Automatic

Y 1

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

IONOSPHERIC DATA

Aug. 1955 | h'F2 | 135° E Mean Time | Yamagawa | 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	280	300F	280	280	260	240	240A	300	A	A	A	380	500	A	A	300A	270	310A	300	260	270	240	250	240
2	200	280F	270F	270F	A	A	290	300	230	300	330A	[390]A	450	340	[330]A	320	[300]A	290	260	290	270	250	210H	260
3	250	250	260	270	280	250	250	240	240	300H	250	(400)A	400	340	[320]A	300	280	280	290	270	250	240	(240)A	300
4	300	340A	340	300	290A	250	250	290	280	280	310	[370]L	430	320	300	340	390	330	270	260	280	250	330A	250H
5	320	290	250	270	280	300	400	300	240	380	360	390	330	300	330	320	290	300	310	300	230	210A	250	300
6	340	300	250	250	310	290	250	380	340	340	360	370	390	400	340	350	350	350	330	270	240	240	(350)A	(380)A
7	350F	320	340F	290	250	260	[300]A	350	280	300	[340]A	390	[380]A	360	400	350	350	360	300	(300)A	260H	280	290F	330A
8	310A	340	370F	290	270	270	260	290	270	290	410	380	390	350	320	290	300	330	300	260	230	220	300	310
9	310F	300F	290	290	250	260	250	240	370	290	290	340	330	370	340	350	340	350	300	290	240	220	290	310A
10	260	250	270	240A	300	280	250	290	280	310	340	A	A	320	330	320	290	300	300	250	250	290	340A	300
11	300A	350	320	250	210	250	250	290	[300]A	310	A	A	430H	(400)A	330	320	290A	280	310	280	290	220A	250	300A
12	350	330A	300	280	250	260	240	250	280	290	360	340	370	330	310	320	340	300	300	260	250	250	250	300A
13	350	270	250	250	260	280	250	260	250	270A	360	[320]A	290	340	390	340	320	320	290	240	250A	290A	280	270
14	300	290	250	250	[240]A	240	270	280A	270	240	(310)A	350	400	300	[310]A	320	300	300	300A	280A	200A	230H	300	350
15	350A	[320]A	290	300F	300	[270]A	240	230	A	A	310	360	310	360	330	290	300	310	290	240	210	250	330A	310
16	320A	270	280	210A	270	290	270	240	250	300	380	360	320	340	300	300	300	300	290	280A	250A	250	320A	240F
17	340AF	320	290	220A	270	A	A	260A	250	300	340	300	340	300	340	320	290	290	270	250	250	250	330A	250
18	250	250	290	240	250F	280	240	250	280	260	290	440	310	300	310	310	340	340	280	240	240	280A	[290]A	300
19	250	[280]A	310F	310A	250	250	[280]A	(310)A	A	A	A	A	320	340	270	250	270	220	330	260A	250	200	270	300
20	290	300	[290]A	280A	300	230	240A	270	A	A	300	330	300	310H	340	290H	290	270H	280A	240	240	290F	[300]A	300
21	[280]A	260	260	260	240	A	A	280	250	250	340	290	320	310	330	290	290	300	280	250	210	[260]A	310	340
22	320	310	280	C	C	C	C	C	240	270	C	C	C	C	C	C	C	C	C	C	300A	260	300	300
23	[300]A	300A	350	270	260	250	220	220	250	250	590	A	A	A	A	290	290	300	250	250	250	240	240	250H
24	300H	300	270	250	270	280	260	260	240	280	340	340	290	440	400	340	320	300	250	[240]A	220A	220A	230H	290H
25	[330]A	370A	290A	A	A	260	290	240	C	C	C	C	C	C	C	C	C	C	A	290	330A	[310]A	290	[260]A
26	240	270	290	240	240	290	250	220A	240A	A	A	350	330	340	340	340	300	290	270	300A	250	210	[240]A	260
27	290	[300]A	310	310	[280]A	260	250	230	240	270	290	280	350	370	330	290	320	300	270	240	200	200	290	290
28	290	300	270	250	210	270	250	240	250	240	250	320	350	300	290	370	390	330	300	250	210A	250	330	340A
29	300	300	280	250	240	230	240	240	250	270	290	300	360	340	320	300	290	290	300H	270	250	200	300	340
30	320	340	340	290	220	240	C	C	240	260	330	420	A	330	340	310	290	270	250	250	250	250	300	260H
31	270	300	280	250	270	280	250	240	240	300	290	300	330	310	340	340	[320]A	290	300A	250A	A	A	A	280
Mean Value	300	300	290	270	260	260	260	270	260	290	330	350	360	340	330	320	310	300	290	260	250	250	290	290
Median Value	300	300	290	270	260	260	250	260	250	290	330	350	340	340	330	320	300	300	290	260	250	250	290	300
Count	31	31	31	29	28	27	27	29	26	25	25	25	26	27	27	29	29	29	29	30	30	30	30	31

h'F2

Sweep 1.0 Mc to 22.0 Mc in 1 min ☐ Manual ☒ Automatic

Y 2

23

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

IONOSPHERIC DATA

Aug. 1955 | fEs | 135° E Mean Time | Yamagawa | 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	3.3	2.2	E	2.1	2.4	6.7	3.6	7.0	10.3	10.0	9.8	6.0	9.0	8.0	8.6	5.3	5.9	5.9	3.8F	3.4	3.1F	3.8	2.9
2	4.9	6.5F	3.0F	3.0	6.9	5.9	2.9	4.3	5.9	3.8	5.9	6.7	5.0	5.9	10.5	10.5F	8.5	8.9F	5.9	5.9	5.9	3.3	2.3	2.0
3	2.3	2.2	E	2.3	2.5	3.5	G	3.3	8.9Y	4.2	6.0	6.6	5.9	8.5	8.9	6.5	5.9	7.0	3.8	4.2	5.5	3.6	3.8F	6.0
4	2.4	7.0	4.2	3.8	6.7	3.6	3.2	5.9	5.9	3.8	5.9Y	G	3.8	G	5.5	5.6	G	5.9	3.8	5.2	4.9	5.9	5.8	3.6F
5	3.5	3.8	3.5	3.3	12.0	4.7	4.3	8.5Y	5.9	6.5	6.4	9.6	12.6	13.0	6.5	5.7	3.8	3.5	4.2	7.0	5.9	3.5	3.7	2.2
6	6.6	8.5Y	7.0	7.0	6.0	6.5	4.9F	3.4	4.0	5.8	6.3	5.0	6.0	3.8	G	G	G	G	3.2	2.4	2.3	2.7	5.9	6.4
7	8.8	5.9F	8.9F	5.8	5.8	3.5	5.9	4.1	8.5	7.0	12.5	11.5Y	13.7	9.7	G	5.9	5.9	3.8	3.5	6.5	8.9	12.2	3.8F	5.9
8	5.9	3.8	5.9	3.6	3.0F	3.8	3.5	5.9	5.8	6.5	G	5.9	5.9	G	5.1	G	3.8	5.9Y	G	2.3	2.1	1.8	3.0	8.9F
9	5.9	2.3F	E	E	2.1	E	3.0	3.2	3.8	9.5Y	6.8	5.9	G	G	G	G	3.8	4.3	3.8	2.3	2.4F	2.4	2.5	5.8
10	5.8	7.0	5.7F	3.7	5.1F	3.2	2.1	5.9	5.9	4.9	6.3	12.0	14.0	14.0	8.5	5.3	5.1	G	3.2	3.8	5.9	9.0F	6.5	7.0
11	5.9F	5.8F	4.3	5.8	3.5	3.0F	3.1	4.8	7.3	5.9	6.7	8.0	11.8	8.0	5.9	8.9	8.4	10.0	G	3.8	5.8	5.9	7.0F	11.4YF
12	3.8	3.5	6.3	5.9	5.9	3.4	2.9	G	G	5.9	5.9	6.5	5.6	4.8	5.9	5.9	5.9	5.1	3.8	3.4	5.9	5.8	5.7F	7.0F
13	7.0	8.9	3.7	3.6	2.4F	5.9	3.1	4.8	6.0	8.9	9.5	12.3	12.0	8.7	5.9Y	4.9	3.6	5.1	3.4	2.4	5.9	6.7	3.7	11.5YF
14	7.0F	5.9	5.9	10.0	5.9	3.2	3.8	5.9	5.9	5.3	5.9	6.6	9.2	7.2	11.0	6.6	4.5	4.2	8.9	7.8	7.0	5.0	6.8	3.5
15	6.9	11.5	11.5Y	13.6Y	5.9F	8.9F	3.7	3.8	5.9	7.6	6.5	6.2	G	5.9Y	5.9	4.8	5.1	4.7	3.5	3.2	3.6Y	5.9	7.0F	3.3
16	8.9	3.5	3.7	2.4	3.3	2.5	3.9	3.8	5.9	5.9	8.8Y	G	6.2	5.8	8.6	5.3	6.1	5.2	4.6	6.4	8.8	11.8Y	12.2F	5.9F
17	3.6	5.2	3.5	3.7	2.9	5.9	6.6	5.9	5.2	G	5.0Y	9.0	G	G	4.8	3.8	6.0	3.8	3.5	3.8	4.7	3.4	7.2	6.8
18	3.5	3.6	3.5	3.3F	2.6	8.0	6.5	3.8	5.9	6.5	6.9	5.9	5.9	5.9	6.0	6.1	5.8	5.5	4.9	3.7	6.8F	8.6F	5.9	6.5F
19	5.7	13.0	6.7	6.3F	5.9	5.0Y	5.5	4.8	9.0	8.8	7.2	9.5	8.8	6.1	6.2	4.6	4.4	G	3.4	4.5	8.8	8.6F	8.9F	8.9
20	8.8	5.9	6.0	5.9	5.9	3.8	3.6	5.9	6.7	8.0	6.5	6.6	6.2	4.8	7.0	G	4.2	4.4	5.9	3.6	3.1F	3.2	8.4	3.6
21	10.5	3.4	2.4	4.4	3.0	3.8	5.9	3.2	3.8	G	3.8	5.9	5.7	G	5.9	5.7Y	G	4.3	3.1	3.6	3.6	5.4	3.4	6.7
22	7.2	9.5	9.2F	C	C	C	C	C	7.2	5.3<	C	C	C	C	C	C	C	C	C	C	4.2	5.9F	5.9F	8.9
23	5.9	5.8	4.3	3.0	2.3	2.4	2.7	3.3	3.8	5.7	6.3	12.3	9.0	16.0	12.7	8.4	7.2	7.0	5.9	7.0	3.6	3.0	E	E
24	E	E	2.1	E	E	E	2.3	3.1	3.8	3.5	3.8	5.9	5.0	5.8	3.8	5.8	5.7	4.3	5.9	8.5	3.5	3.5	3.8	5.9
25	5.9F	6.5	5.9F	5.9F	3.6F	3.0	2.3F	3.3	C	C	C	C	C	C	C	C	C	C	9.3	13.5F	13.5F	7.3	7.0F	5.8F
26	6.8	2.9	2.9	2.3	E	2.3F	2.3	4.2	7.9	9.8	12.2	9.6	5.9	5.9	5.5	5.8	6.1	6.1F	5.0	7.0	5.0F	6.2	8.9	3.6
27	3.8	5.9	5.9	3.8	6.2	5.9	7.0	5.9	3.8	3.6	3.7	3.8	4.6	4.5	4.6	3.8	3.7	G	3.8	2.4	2.3F	3.2	3.4F	2.4
28	3.6	5.9	3.0	E	E	E	2.2	3.5	5.9	3.8	5.0Y	5.7	G	3.6	4.7	5.0	5.6	5.8	6.5	13.2	6.7F	3.5	3.0	3.7
29	2.7	2.3	2.3	2.2	2.1	2.3	2.4	3.7	3.8	5.9Y	5.9	4.9	3.8	3.8	G	G	4.6	4.5	4.2	3.6	4.3	3.7	5.9	3.0
30	2.4	3.0	3.5	3.0	E	2.3	C	C	4.0	5.7	6.4	5.9	6.7	G	5.3	6.4	4.9	3.8	4.5F	5.2	5.7	5.7	6.4	8.9
31	3.4	3.4	3.8	2.3	2.3	2.5	2.9	3.4F	4.5	4.5	4.4	G	4.7	5.6	G	G	8.9	8.5	9.0	8.0	9.5	14.0	12.7F	8.9
Mean Value	5.2	5.5	4.9	4.6	4.5	4.1	3.9	4.5	5.8	6.2	6.7	7.6	7.4	7.2	6.8	6.1	5.5	5.5	4.9	5.3	5.5	5.6	5.8	5.9
Median Value	5.7	5.8	3.8	3.6	3.2	3.4	3.2	3.8	5.9	5.9	6.3	6.5	5.9	5.8	5.9	5.6	5.1	4.7	4.0	4.0	5.5	5.4	5.9	5.9
Count	31	31	31	30	30	30	29	29	30	29	29	29	29	29	29	29	29	29	30	30	31	31	31	31

fEs

Sweep 1.0 Mc to 22.0 Mc in 1 min ☐ Manual ☒ Automatic

Y 3

SOLAR RADIO EMISSION

AUG., 1955

Observing Station: HIRAISO Frequency: 200 Mc/s.

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

Daily Data

Date	Steady Flux		
	00-03	03-06	Daily Averages
1	5	5	5
2	5	5	5
3	5	5	5
4	4	4	4
5	5	5	5
6	5	6	6
7	5	5	5
8	5	5	5
9	5	6	6
10	11	29	20
11	9	13	12
12	13	70	42
13	12	8	10
14	6	5	5
15	5	5	5
16	-	-	-
17	5	5	5
18	4	5	4
19	4	5	5
20	5	7	6
21	7	7	7
22	5	5	5
23	5	5	5
24	4	4	4
25	4	4	4
26	5	4	5
27	4	5	5
28	7	6	6
29	7	6	6
30	5	4	5
31	5	5	5

Outstanding Occurrences

Date	Starting Time	Duration	Type	Peak Flux	Time
9	0420130s	30s	SD	1000	-
	(a very small level increase of two minutes followed)				
11	2238-30s	40s	SA	320	-
	2240-40s	1m	CA	235	2241-20s...2nd peak
12	0020-20s	1m10s	CA	670	0020-20s...1st peak

Data for Active Day

Hourly Mean Flux

Date	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09
12	12	13	14	15	42	59	74	91	80
	Maximum level/Time: 126/0905.								

IONOSPHERIC DATA IN JAPAN FOR AUGUST 1955

電波観測報告　第7巻　第8号

1955年9月25日　印　刷
1955年9月30日　発　行
（不許複製非売品）

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発行所　郵政省電波研究所
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電話 国分寺 138, 139, 151

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