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## IONOSPHERIC DATA

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PREPARED BY CENTRAL RADIO PROPAGATION LABORATORY  
National Bureau of Standards  
Washington, D.C.

On July 1, 1946, the Interservice Radio Propagation Laboratory ceased to exist as such. At that time the duties and functions of the IRPL were absorbed by the Central Radio Propagation Laboratory, established at the National Bureau of Standards on May 1, 1946, to act as an organization for centralizing and coordinating basic research and prediction service in the field of radio wave propagation.

The IRPL-F series, "Ionospheric Data", commencing with the July 1946 issue, is known as the CRPL-F series.

## IONOSPHERIC DATA

## CONTENTS

TERMINOLOGY AND SCALING PRACTICES . . . . .	Page 5
MONTHLY AVERAGE AND MEDIAN VALUES OF IONOSPHERIC DATA . . . . .	Page 7

Provisional dataJuly 1946

Clyde, Baffin I. (Median values) . . . . .	Table 1
Fairbanks, Alaska (Median values) . . . . .	Table 2
Churchill, Canada (Median values) . . . . .	Table 3
Prince Rupert, Canada (Median values) . . . . .	Table 4
Adak, Alaska (Median values) . . . . .	Table 5
St. John's, Newfoundland (Median values) . . . . .	Table 6
Ottawa, Canada (Median values) . . . . .	Table 7
Boston, Massachusetts (Median values) . . . . .	Table 8
San Francisco, California (Median values) . . . . .	Table 9
Baton Rouge, Louisiana (Median values) . . . . .	Table 10
Trinidad, Brit. West Indies (Median values) . . . . .	Table 11
Brisbane, Australia (Median values) . . . . .	Table 12
Watheroo, W. Australia (Median values) . . . . .	Table 13
Canberra, Australia (Median values) . . . . .	Table 14

June 1946

Clyde, Baffin I. (Median values) . . . . .	Table 15
Churchill, Canada (Median values) . . . . .	Table 16
Okinawa I. (Median values) . . . . .	Table 17
Guam I. (Average values) . . . . .	Table 18
Leyte, Philippine Is. (Median values) . . . . .	Table 19
Brisbane, Australia (Median values) . . . . .	Table 20
Watheroo, W. Australia (Median values) . . . . .	Table 21

May 1946

Clyde, Baffin I. (Median values) . . . . .	Table 22
Leningrad (LDRS), U.S.S.R. (Average values) . . . . .	Table 23
Sverdlovsk, U.S.S.R. (Average values) . . . . .	Table 24
Alma Ata, U.S.S.R. (Average values) . . . . .	Table 25

April 1946

Clyde, Baffin I. (Median values) . . . . .	Table 26
Leningrad, (LDRS), U.S.S.R. (Average values) . . . . .	Table 27
Alma Ata, U.S.S.R. (Average values) . . . . .	Table 28

March 1946

Clyde, Baffin I. (Median values) . . . . .	Table 29
--	----------

Provisional data

February 1946

Clyde, Baffin I. (Median values) . . . . . Table 30

January 1946

Clyde, Baffin I. (Median values) . . . . . Table 31

December 1945

November 1945

Clyde, Baffin I. (Median values) . . . . . Table 33

### Final data

July 1946

June 1946

Prince Rupert, Canada (Median values) . . . . . Table 37  
Figs. 7 and 8

St. John's, Newfoundland (Median values) . . . . . Table 39  
 Ottawa, Canada (Median values) . . . . . Table 40  
 Figs. 11 and 12

Christchurch, New Zealand (Median values) . . . . . Table 41  
Figs. 13 and 14

Boston, Massachusetts (Median values) . . . . . Table 42  
Figs. 15 and 16

San Francisco, California (Median values) . . . . . Figs. 17 and 18  
Table 43

Baton Rouge, Louisiana (Median values) . . . . . Table 45

Figs. 25 and 26  
San Juan, Puerto Rico (Median values) . . . . . Table 46

Trinidad, Brit. West Indies (Median values) . . . . . Table 47  
Figs. 25 and 26  
Figs. 27 and 28

Final dataJune 1946 (continued)

Johannesburg, Union of S. Africa (Median values) . . . . . Table 50  
 Figs. 33 and 34

May 1946

The Pas, Manitoba (Median values) . . . . . Table 51  
 Figs. 35 and 36

Adak, Alaska (Median values) . . . . . Table 52  
 Figs. 37 and 38

St. John's, Newfoundland (Median values) . . . . . Table 53  
 Figs. 39 and 40

Chungking, China (Median values) . . . . . Table 54  
 Figs. 41 and 42

Maui, Hawaii (Median values) . . . . . Table 55  
 Figs. 43 and 44

Leyte, Philippine Is. (Median values) . . . . . Table 56  
 Figs. 45 and 46

Christmas I. (Median values) . . . . . Table 57  
 Figs. 47 and 48

Brisbane, Australia (Median values) . . . . . Table 58  
 Figs. 49 and 50

Canberra, Australia (Median values) . . . . . Table 59  
 Figs. 51 and 52

Hobart, Tasmania (Median values) . . . . . Table 60  
 Figs. 53 and 54

Christchurch, New Zealand (Median values) . . . . . Table 61  
 Figs. 55 and 56

April 1946

Churchill, Canada (Median values) . . . . . Table 62  
 Figs. 57 and 58

Peiping, China (Median values) . . . . . Table 63  
 Fig. 59

Leyte, Philippine Is. (Median values) . . . . . Table 64  
 Figs. 60 and 61

Singapore, Brit. Malaya (Median values) . . . . . Table 65  
 Fig. 62

Brisbane, Australia (Median values) . . . . . Table 66  
 Figs. 63 and 64

Falkland Is. (Median values) . . . . . Table 67  
 Figs. 65 and 66

March 1946

Peshawar, India (M 3000, average values; others,  
 median values) . . . . . Table 68  
 Figs. 67 and 68

Delhi, India (M 3000, average values; others,  
 median values) . . . . . Table 69  
 Figs. 69 and 70

Final dataMarch 1946 (continued)

Bombay, India (M 3000, average values; others, median values) . . . . .	Table 70 Figs. 71 and 72
Madras, India (M 3000, average values; others, median values) . . . . .	Table 71 Figs. 73 and 74
Singapore, Brit. Malaya (Median values) . . . . .	Table 72 Fig. 75

February 1946

Peshawar, India (M 3000, average values; others, median values) . . . . .	Table 73 Figs. 76 and 77
Delhi, India (M 3000, average values, others, median values) . . . . .	Table 74 Fig. 78
Bombay, India (M 3000, average values; others, median values) . . . . .	Table 75 Figs. 79 and 80
Madras, India (M 3000, average values; others, median values) . . . . .	Table 76 Fig. 81

IONOSPHERIC DATA FOR EVERY DAY AND HOUR . . . . .	Page 10
---	---------

July 1946

## Washington, D.C.

$h^{\circ}F2$ . . . . .	Table 77
$f^{\circ}F2$ . . . . .	Tables 78 and 79
$h^{\circ}F1$ . . . . .	Table 80
$f^{\circ}F1$ . . . . .	Table 81
$h^{\circ}D$ . . . . .	Table 82
$f^{\circ}E$ . . . . .	Table 83
E <sub>s</sub> . . . . .	Table 84
F2-M1500 . . . . .	Table 85
F2-M3000 . . . . .	Table 86
F1-M3000 . . . . .	Table 87
E-M1500 . . . . .	Table 88

IONOSPHERE DISTURBANCES . . . . .	Page 10
-----------------------------------	---------

<u>Ionospheric Storminess</u> . . . . .	Table 89
Ionospheric character and principal storms observed at Washington, D.C., July 1946.	

Sudden Ionosphere Disturbances

Sudden ionosphere disturbances observed at Washington, D.C., during July 1946. . . . .	Table 90
---	----------

<u>Radio Propagation Quality Figures, Compared with CRPL Warnings and CRPL Probable Disturbed Period Forecasts.</u>	
North Atlantic and North Pacific quality figures, June 1946, provisional . . . . .	Table 91
<u>AMERICAN RELATIVE SUNSPOT NUMBERS . . . . .</u>	Page 11
Daily Median Values of American Relative Sunspot Numbers, July 1946 . . . . .	Table 92
<u>SUNSPOT GROUP OF JULY 19 THROUGH AUGUST 2, 1946, AND ASSOC-     CIATED EFFECTS . . . . .</u>	Page 11
<u>ERRATA . . . . .</u>	Page 13

## TERMINOLOGY AND SCALING PRACTICES

The symbols and terminology used in this report are those adopted by the International Radio Propagation Conference, and given in detail on pages 24 to 26 of the report IRPL-C61, "Report of International Radio Propagation Conference," and in the section on "Terminology," in reports IRPL-F1, 2, 3, 4, 5.

In the past, ionospheric conditions were summarized on a monthly basis by using average or mean values, for each hour of the day, for each month. However, following the recommendations of the International Radio Propagation Conference, held in Washington 17 April to 5 May 1944, beginning with data for 1 Jan. 1945, median values were used by IRPL wherever possible. Thus, median values are given for Washington, for all stations reporting directly to the CRPL, for the Canadian stations, and for all others sending in detailed tabulations to the CRPL, from which medians can be computed.

Where averages are reported, they are, at any hour, the average for all the days during the month for which numerical data existed.

The monthly median values used here are the values equaled or exceeded on half the days of the month at the given hour. The following conventions are used in determining the medians for hours when no measured values are given because of equipment limitations and ionospheric irregularities. Symbols used are those given in the report referred to above, IRPL-C61.

a. For all ionospheric characteristics:

    Values missing because of A, B, C or F (see terminology referred to above) are omitted from the median count.

b. For critical frequencies and virtual heights:

Values missing because of E are counted as equal to or less than the lower limit of the recorder.

Values missing because of D are counted as equal to or greater than the upper limit of the recorder.

Values missing because of G are counted:

1. For  $f^0F_2$ , as equal to or less than  $f^0F_1$ .

2. For  $h^1F_2$ , as equal to or greater than the median.

Values missing for any other reason are omitted from the median count.

c. For mis factors (M-factors):

Values missing because of G are counted as equal to or less than the median.

Values missing for any other reason are omitted from the median count.

d. For sporadic E (Es):

Values of  $f^0E_s$  missing because no Es reflections appeared, the equipment functioning normally otherwise, are counted as equal to or less than the lower limit of the recorder.

Values of  $f^0E_s$  missing for any other reason, and values of  $h^1E_s$  missing for any reason at all, are omitted from the median count.

Beginning with data for November 1945, doubtful monthly median values for ionospheric observations at Washington, D.C., are indicated by parentheses, in accordance with the practice already in use for doubtful hourly values. The following are the conventions used to determine whether or not a median value is doubtful:

1. If only four values or less are available, no median value is computed, the data being considered insufficient.

2. For the F2 layer, if only five to nine values are available, the median is considered doubtful. The E and F1 layers are so regular in their characteristics that, so long as there are at least five values, the median is not considered as doubtful.

3. For all layers, if more than half of the values used to compute the median are doubtful (either doubtful or interpolated), the median is considered doubtful.

It is expected that this practice will be of assistance in evaluating the monthly median Washington data.

The same conventions are used by the CRPL in computing the medians from tabulations of daily and hourly data for stations other than Washington, beginning with the tables in IRPL-F18.

"Extent of E" is defined as follows: the highest value of  $f^0E$ . This is usually Es, but may include cases of normal E which were difficult to distinguish from Es owing to the absence of a definite cusp.

## MONTHLY AVERAGES AND MEDIAN VALUES OF IONOSPHERIC DATA

The ionospheric data given here in graphical and tabular form were assembled by the Central Radio Propagation Laboratory for analysis and correlation, incidental to CRPL predictions of radio propagation conditions. The following are the sources of the data:

Australian Council for Scientific and Industrial Research,  
Radio Research Board, Australia:

Brisbane, Australia  
Canberra, Australia  
Cape York, Australia  
Hobart, Tasmania

British Department of Scientific and Industrial Research  
(National Physical Laboratory):

Slough, England  
Great Baddow, England  
Burghead, Scotland  
Capetown, Union of S. Africa  
Colombo, Ceylon  
Oslo, Norway  
Cairo, Egypt  
Falkland Is.  
Tromso, Norway

Canadian Radio Wave Propagation Committee:

Churchill, Canada  
Ottawa, Canada  
St. John's, Newfoundland  
Prince Rupert, Canada  
Clyde, Baffin I.  
Swan River, Manitoba (Mobile unit)  
The Pas, Manitoba (Mobile unit)  
Gillam, Manitoba (Mobile unit)

New Zealand Radio Research Committee:

Kermadec Is.  
Christchurch (Canterbury University College Observatory)  
Campbell I.  
Pitcairn I.  
Rarotonga I.

South African Council for Scientific and Industrial Research:  
Johannesburg, Union of S. Africa.

Scientific Research Institute of Terrestrial Magnetism, Moscow, U.S.S.R.:

Bukhta Tikhaya, U.S.S.R.  
Tomsk, U.S.S.R.  
Sverdlovsk, U.S.S.R.  
Moscow, U.S.S.R.  
Leningrad, U.S.S.R.  
Alma Ata, U.S.S.R.

Carnegie Institution of Washington (Department of Terrestrial Magnetism):

Christmas I.  
Maui, Hawaii  
Trinidad, Brit. West Indies  
Huancayo, Peru  
Watheroo, W. Australia  
Adak, Alaska

United States Army Signal Corps:

Leyte, Philippine Is.  
Guam I.  
Tokyo, Japan  
Okinawa, I.

National Bureau of Standards (Central Radio Propagation Laboratory):

Washington, D. C.  
San Francisco, California (Stanford University)  
Baton Rouge, Louisiana (Louisiana State University)  
San Juan, Puerto Rico (University of Puerto Rico)  
Boston, Massachusetts (Harvard University)  
Fairbanks, Alaska (University of Alaska, College, Alaska)

All India Radio (Government of India), New Delhi, India:

Bombay, India  
Delhi, India  
Madras, India  
Peshawar, India

Radio Wave Research Laboratories, Central Broadcasting Administration:

Chungking, China  
Peiping, China

National Wuhan University:

Loshan, China

The tables of "provisional data" give values (1) as reported either to the CRPL or other central laboratory by telephone or telegraph; or (2) which are reported in summary form by stations from which monthly ionospheric data for every day and every hour may normally be expected at a later date.

The tables and graphs of "final data" are correct for the values reported to the CRPL, but, because of variations in practice in the interpretation of records and scaling and manner of reporting of values, may at times give an erroneous conception of typical ionospheric characteristics at the station. Some of these errors are due to:

- a. Differences in scaling records where spread echoes are present.
- b. Omission of values where  $f^0F2$  is less than or equal to  $f^0F1$ , leading to erroneously high values of monthly average or median values.
- c. Omission of values where critical frequencies are less than the lower frequency limit of the recorder, also leading to erroneously high values of monthly average or median values.

These effects were discussed on pages 6 and 7 of the previous F-series reports, IRFL-F1, 2, 3, 4, and 5.

The dashed-line prediction curves of the graphs of ionospheric data are obtained from the predicted zero-muf contour charts of the CRPL-D series publications. Predictions for individual stations used to construct the charts may be more accurate than the values read from the chart since some smoothing of the contours is necessary to allow for the longitude effect within a zone.

Discrepancies between predicted and observed values are often ascribable to these effects.

## IONOSPHERIC DATA FOR EVERY DAY AND HOUR

These data, observed at Washington, D. C., follow the scaling practices given in the report IRPL-C61, "Report of International Radio Propagation Conference," pages 36 to 39, and the median values are determined by the conventions given under "Terminology and Scaling Practices" above.

## IONOSPHERE DISTURBANCES

Table 89 presents ionosphere character figures for Washington, D. C., during July 1946, as determined by the criteria presented in the report IRPL-R5, "Criteria for Ionospheric Storminess," together with American magnetic K-figures which are usually covariant with them.

Table 91 gives provisional radio propagation quality figures for North Atlantic and North Pacific areas, for 01 to 12 and 13 to 24 GCT, June 1946, compared with the CRPL daily radio disturbance warnings, which are primarily for the North Atlantic paths, the CRPL weekly radio propagation forecasts of probable disturbed periods, and the half-day American geomagnetic K-figures.

The radio propagation quality figures for the North Atlantic were prepared from radio traffic and ionospheric data reported to the CRPL, in the manner described in detail in report IRPL-R31, "North Atlantic Radio Propagation Disturbances October 1943 through October 1945," issued 1 Feb. 1946.

The radio propagation quality figures for the North Pacific were prepared from radio traffic and ionospheric data reported to the CRPL, in a manner similar to that of IRPL-R31. The master scale of IRPL-R31 was used to formulate conversion scales for the North Pacific reports. Currently, beginning with CRPL-F23, issued July 1946, the North Pacific radio propagation quality figures reported are prepared from these revised conversion scales rather than, as hitherto, from the conversion scales of report IRPL-R13, "Ionospheric and Radio Propagation Disturbances, October 1943 through February 1945," issued 24 May 1945.

These radio propagation quality figures give a consensus of opinion of actual radio propagation conditions as reported by the half day over the two general areas. It should be borne in mind, however, that though the quality may be disturbed according to the CRPL scale, the cause of the disturbance is not necessarily known. There are many variables that must be considered. In addition to ionospheric storminess itself as the

cause, conditions may be reported as disturbed because of seasonal characteristics, such as are particularly evident in the pronounced day and night contrast over North Pacific paths during the winter months, or because of improper frequency usage for the path and time of day in question. Insofar as possible, frequency usage is included in rating the reports. Where the actual frequency usage is not shown in the report to the CRPL, it has been assumed that the report is made on the use of optimum working frequencies for the path and time of day in question. Since there is a possibility that all of the disturbance shown by the quality figures is not due to ionospheric storminess alone, care should be taken in using the quality figures in research correlations with solar, auroral, geomagnetic, or other data. Nevertheless, these quality figures do reflect a consensus of opinion of actual radio propagation conditions as found on any one half-day in either of the two general areas.

## AMERICAN RELATIVE SUNSPOT NUMBERS

Table 92 presents the daily median values of relative sunspot numbers as reported by American observers. The reports have been reduced, by appropriate constants, approximately to the Zurich scale of relative sunspot numbers. The monthly relative sunspot number is the mean of the daily median values listed in the table. This method was devised by Mr. A. E. Shapley of DTM, CIW. Details will be found in "Popular Astronomy," Vol. 54, No. 7, pp. 351 to 358, Aug. 1946; title: American Observations of Relative Sunspot Numbers in 1946 for Application to Ionospheric Prediction - by A. H. Shapley.

## SUNSPOT GROUP OF JULY 19 THROUGH AUGUST 2, 1946 AND ASSOCIATED TERRESTRIAL EFFECTS

The sunspot group crossing the solar disc July 19 through August 2, 1946, though only about two-thirds the size of the largest one on record on the disc January 29 to February 11, 1946, was rated as one of the five largest of all time by the Mt. Wilson Observatory. The average size of the group was 3500 millionths of the sun's visible disc, according to the reports of the U.S. Naval Observatory, or about 70 times the area of the earth. It was easily visible to the naked eye through smoked glass.

. As with the February group, many solar flares were observed which were accompanied by SID. Table 90 of this report presents the sudden

ionosphere disturbances for the whole month. The most severe and prolonged SID occurred on July 25, beginning about 1510 GCT, and resembled the one of Feb. 6, 1946, reported in CRPL-F21, "Ionospheric Data," issued May, 1946.

A moderate geomagnetic storm with no individual K-figure greater than four was recorded by the Cheltenham, Md. Observatory of the U. S. Coast and Geodetic Survey from 0200 GCT, July 25, to 0600 GCT, July 26. A storm of unusual severity was reported beginning with a sudden commencement at 1845 GCT, July 26, during the course of which two consecutive K figures of 9 (maximum geomagnetic disturbance) occurred. This sudden commencement would indicate a travel time for the corpuscular stream from the sun to the earth of about 27½ hours, if the stream started at the time of the flare that gave rise to the severe SID of July 25. The sunspot group was crossing the sun's central meridian on July 26, thus being in a favorable position for causing disturbance on that date and the days following.

The severe geomagnetic storm ended at 1700 GCT, July 27, but a moderate to severe storm followed at 2000 GCT, July 28, lasting until 1900 GCT, July 30. Though the trace was quiet after then, the general level of the horizontal geomagnetic intensity was depressed below normal through August 1.

Other evidence of the pronounced terrestrial effects associated with this sunspot group was the prevalence of brilliant aurora in the early Greenwich hours of July 27. A spectacular display of rays from horizon to beyond the zenith with changing form and color was observed at Washington, D.C.

Beginning with CRPL-J 159, "Radio Propagation Forecast," issued July 3, 1946, July 26-27 was listed as a probable disturbed period and the period was extended July 27-30 in CRPL-J 161, issued July 26. The North Atlantic radio propagation disturbance warning was broadcast continuously on WWV, Washington, D. C., from 2100 GCT, July 25, through 2100 GCT, July 31.

The radio propagation reports received by the CRPL have clearly indicated the correctness of the above forecasts. Fairbanks, Alaska, reported a blackout of vertical-incidence ionosphere records from 1800 GCT, July 26 to 0800 GCT, July 28, from 1200 GCT, July 28, to 0800 GCT, July 29, from 1200 GCT July 29 to 0400 GCT July 30, and 1200-1400 and 1800 GCT, July 30. Churchill, Canada, reported complete blackout from 1700 GCT July 25 into July 28 with conditions much below normal into July 31 and still moderately disturbed on August 1. Ottawa, Canada, Prince Rupert, B.C. and St. John's, Newfoundland, also reported a blackout of vertical-incidence reflections on July 26-27. Even the Washington, D.C., ionospheric records were blacked out from 0100 to 0900 GCT July 27. Table 91 of this report presents the ionospheric storminess character figures for Washington, D.C., for this period in detail.

Such radio traffic data thus far reported by the FCC, Army, Navy, and commercial networks indicated European stations to be unheard most of July 26-27 with at least moderate disturbance continuing into July 31.

## ERRATA

1. CRPL-F23, Table 52:

The asterisk (\*) in the heading of FEs column, referring to the note at the bottom of the page, was omitted.

2. CRPL-F23:

Table 39, for hours indicated, should read as follows:

f<sup>o</sup>F2

20	- - - - -	8.6
21	- - - - -	8.6
22	- - - - -	8.5
23	- - - - -	8.6

Table 42, for hours indicated, should read as follows:

fEs

01	- - - - -	2.7
02	- - - - -	2.7
03	- - - - -	2.6
04	- - - - -	2.6

Table 80, for date indicated, should read as follows:

<u>Date</u>	<u>No.</u>
10	36

3. The position of Cairo, Egypt, as given in IRPL-F18 through -F22, should have been 30.6°N, 31.9°E.

4. The position of Falkland Is., as given in IRPL-F19 through -F21, should have been 51.7°S, 57.7°W.

Table 1 (Provisional Data)

Glyde, Baffin I. (70.5°N, 68.6°W)							July 1946														July 1946									
Time	h <sup>1</sup> T <sub>2</sub>	F <sup>0</sup> T <sub>2</sub>	h <sup>1</sup> T <sub>1</sub>	F <sup>0</sup> T <sub>1</sub>	h <sup>1</sup> E	F <sup>0</sup> E	Time	h <sup>1</sup> T <sub>2</sub>	F <sup>0</sup> T <sub>2</sub>	h <sup>1</sup> T <sub>1</sub>	F <sup>0</sup> T <sub>1</sub>	h <sup>1</sup> E	F <sup>0</sup> E	Time	h <sup>1</sup> T <sub>2</sub>	F <sup>0</sup> T <sub>2</sub>	h <sup>1</sup> T <sub>1</sub>	F <sup>0</sup> T <sub>1</sub>	h <sup>1</sup> E	F <sup>0</sup> E	Time	h <sup>1</sup> T <sub>2</sub>	F <sup>0</sup> T <sub>2</sub>	h <sup>1</sup> T <sub>1</sub>	F <sup>0</sup> T <sub>1</sub>	h <sup>1</sup> E	F <sup>0</sup> E			
00	4.3		2.9		0.0		200	4.5		1.8		3.5		2.7																
01	4.5		3.0		0.1		310	4.4							5.5															
02	4.4		3.0		0.2		330	4.6							5.0															
03	4.4		3.0		0.3		380	4.8							2.1															
04	4.3		3.0		0.4		420	5.0							2.4															
05	4.4		2.8		0.5		420	5.4							2.6															
06	4.4		2.8		0.6		460	5.4							2.6															
07	4.5		2.5		0.7		470	5.2							2.4															
08	4.9		2.6		0.8		460	5.5							2.5															
09	5.0		2.7		0.9		480	5.7							2.5															
10	5.0		2.7		1.0		480	5.5							3.6															
11					1.1		460	5.4							3.6															
12	4.8		2.7		1.2		490	5.7							2.5															
13	4.9		2.8		1.3		490	5.6							2.5															
14	4.7		2.6		1.4		500	5.5							2.5															
15	4.9		2.7		1.5		440	5.6							2.5															
16	4.9		2.8		1.6		440	5.7							2.6															
17	4.7		2.7		1.7		400	5.6							2.6															
18	4.7		2.9		1.8		320	5.6							2.6															
19	4.6		2.9		1.9		270	5.6							2.7															
20	4.7		2.9		2.0		280	5.6							2.8															
21	4.5		2.9		2.1		290	5.2							2.8															
22	4.5		2.9		2.2		270	5.0							2.8															
23	4.4		3.0		2.3		280	5.0							2.8															

Time: 75.0°W.  
Sweep: 2.0 Mc to 16.0 Mc in one minute.  
Median values.

Table 3 (Provisional Data)

Churchill, Canada (58.8°N, 94.3°W)							July 1946							Prince Rupert, Canada (54.5°N, 120.3°W)							July 1946									
Time	h <sup>1</sup> T <sub>2</sub>	F <sup>0</sup> T <sub>2</sub>	h <sup>1</sup> T <sub>1</sub>	F <sup>0</sup> T <sub>1</sub>	h <sup>1</sup> E	F <sup>0</sup> E	Time	h <sup>1</sup> T <sub>2</sub>	F <sup>0</sup> T <sub>2</sub>	h <sup>1</sup> T <sub>1</sub>	F <sup>0</sup> T <sub>1</sub>	h <sup>1</sup> E	F <sup>0</sup> E	Time	h <sup>1</sup> T <sub>2</sub>	F <sup>0</sup> T <sub>2</sub>	h <sup>1</sup> T <sub>1</sub>	F <sup>0</sup> T <sub>1</sub>	h <sup>1</sup> E	F <sup>0</sup> E	Time	h <sup>1</sup> T <sub>2</sub>	F <sup>0</sup> T <sub>2</sub>	h <sup>1</sup> T <sub>1</sub>	F <sup>0</sup> T <sub>1</sub>	h <sup>1</sup> E	F <sup>0</sup> E			
00	5.6		4.6		2.7		200	4.5		0.0		4.1		3.1																
01	4.6		4.5		2.8		210	4.0		0.1		3.5		3.0																
02	4.5		4.5		2.9		220	4.0		0.2		3.5		2.9																
03	4.7		4.6		2.9		230	4.0		0.3		3.1		2.9																
04	4.6		4.6		2.8		240	4.0		0.4		3.2		3.0																
05	4.7		4.7		2.7		250	4.0		0.5		4.1		3.8																
06	5.1		5.1		2.8		260	4.0		0.6		4.8		2.8																
07	5.4		5.4		2.8		270	4.0		0.7		5.2		2.8																
08	5.4		5.4		2.6		280	4.0		0.8		5.1		2.8																
09	5.4		5.4		2.7		290	4.0		0.9		5.5		2.7																
10	5.5		5.7		2.6		300	4.0		1.0		5.6		2.6																
11	6.0		6.0		2.7		310	4.0		1.1		6.8		2.8																
12	6.1		6.1		2.7		320	4.0		1.2		6.8		2.8																
13	6.3		6.3		2.7		330	4.0		1.3		5.7		2.7																
14	6.4		6.4		2.6		340	4.0		1.4		6.7		2.7																
15	6.4		6.4		2.7		350	4.0		1.5		6.7		2.7																
16	5.5		5.5		2.7		360	4.0		1.6		6.6		2.7																
17	5.5		5.5		2.7		370	4.0		1.7		6.8		2.8																
18	5.6		5.6		2.6		380	4.0		1.8		6.8		2.8																
19	5.7		5.7		2.6		390	4.0		1.9		6.0		2.8																
20	5.5		5.5		2.6		400	4.0		2.0		6.9		2.7																
21	5.0		5.0		2.6		410	4.0		2.1		6.7		2.7																
22	4.9		4.9		2.7		420	4.0		2.2		6.8		2.8																
23	5.0		5.0		2.6		430	4.0		2.3		6.8		2.8																

Time: 90.0°W.  
Sweep: 2.0 Mc to 16.0 Mc in one minute.  
Median values.

Time: 90.0°W.  
Sweep: Manual operation.  
Median values.

Time: 120.0°W.  
Sweep: Manual operation.  
Median values.

Time: 150.0°W.  
Sweep: Manual operation.  
Median values.

Table 6 (Continued)

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do TÉSTERE: doASSAS: TÉSTERE:

1946 St. John's Newfoundland 47° 60' N 52° 20' W

10

Time: 52°50'N.

M1-106

卷之三

**Time:** 52.5°N.  
**Report:** Manual operation.  
**Model:** 1000.

Glossary 21

卷之三

Imm: 75.0°W.  
Weep: 1.93 Mc to 13.6 Mc. Manual operation.  
Median values.

T-1188 (Departmental Data)

Time: 75.00%  
Sweep: 0.85 Mc to 13.75 Mc in one minute.  
Median values.

Table 5 (Provisional Data)

San Francisco, California (37.8°N, 122.2°W)							July 1946										
Time	h'N	°P	h'N	°P	h'N	°P	h'N	°P	h'N	°P	h'N	°P	h'N	°P	h'N	°P	h'N
00	5.0		3.6		0.0		5.4		3.0		3.0		3.0		3.0		3.0
01	4.9		3.6		0.1		5.0		3.0		3.0		3.0		3.0		3.0
02	4.8		2.5		0.2		4.0		2.9		2.9		2.9		2.9		2.9
03	4.4		2.5		0.3		4.7		3.0		3.0		3.0		3.0		3.0
04	4.1		4.1		0.4		4.7		4.7		4.7		4.7		4.7		4.7
05	4.0		2.7		0.5		4.6		4.6		4.6		4.6		4.6		4.6
06	4.9		2.7		0.6		5.5		5.5		5.5		5.5		5.5		5.5
07	5.8		3.7		0.7		6.5		6.5		6.5		6.5		6.5		6.5
08	6.4		3.7		0.8		7.3		7.3		7.3		7.3		7.3		7.3
09	7.4		2.8		0.9		8.0		8.0		8.0		8.0		8.0		8.0
10	7.4		2.8		1.0		8.2		8.2		8.2		8.2		8.2		8.2
11	7.6		2.7		1.1		8.1		8.1		8.1		8.1		8.1		8.1
12	8.0		2.8		1.2		8.6		8.6		8.6		8.6		8.6		8.6
13	7.8		2.8		1.3		10.9		10.9		10.9		10.9		10.9		10.9
14	7.5		2.8		1.4		8.2		8.2		8.2		8.2		8.2		8.2
15	7.5		2.8		1.5		8.2		8.2		8.2		8.2		8.2		8.2
16	7.4		3.8		1.5		8.4		8.4		8.4		8.4		8.4		8.4
17	7.2		2.9		1.6		8.5		8.5		8.5		8.5		8.5		8.5
18	7.2		2.9		1.7		8.3		8.3		8.3		8.3		8.3		8.3
19	6.8		3.0		1.8		8.0		8.0		8.0		8.0		8.0		8.0
20	7.0		3.0		1.9		7.3		7.3		7.3		7.3		7.3		7.3
21	6.2		3.0		2.0		6.7		6.7		6.7		6.7		6.7		6.7
22	5.5		2.8		2.1		6.4		6.4		6.4		6.4		6.4		6.4
23	5.0		2.8		2.2		6.0		6.0		6.0		6.0		6.0		6.0
			2.6		2.3		5.8		5.8		5.8		5.8		5.8		5.8
			2.9														

Time: 120.0°W.  
Sweep: 0.6 Mc to 12.0 Mc in six minutes. Record centered on the hour.  
Median value.

Table 5 (Provisional Data)

British West Indies (10.6°N, 61.2°W)							July 1946										
Time	h'N	°P	h'N	°P	h'N	°P	h'N	°P	h'N	°P	h'N	°P	h'N	°P	h'N	°P	h'N
00	250	9.4	2.9		0.1		4.2		4.2		4.2		4.2		4.2		4.2
01	260	9.0	2.9		0.2		4.2		4.2		4.2		4.2		4.2		4.2
02	250	8.3	2.9		0.3		4.1		4.1		4.1		4.1		4.1		4.1
03	260	7.8	2.9		0.3		3.8		3.8		3.8		3.8		3.8		3.8
04	250	7.0	2.1		0.4		3.6		3.6		3.6		3.6		3.6		3.6
05	260	6.5	2.1		0.5		3.4		3.4		3.4		3.4		3.4		3.4
06	250	6.8	2.1		0.6		3.6		3.6		3.6		3.6		3.6		3.6
07	240	7.3	220	5.0	2.6	3.2	6.3		6.3		6.3		6.3		6.3		6.3
08	250	7.9	220	5.3	3.2	3.4	2.1		2.1		2.1		2.1		2.1		2.1
09	250	8.7	220	5.6	4.0	4.4	2.6		2.6		2.6		2.6		2.6		2.6
10	260	9.5	220	5.5	4.0	4.6	2.6		2.6		2.6		2.6		2.6		2.6
11	370	10.8	220	5.5	4.1	4.6	2.6		2.6		2.6		2.6		2.6		2.6
12	350	11.3	220	6.5	4.0	4.7	2.7		2.7		2.7		2.7		2.7		2.7
13	360	11.7	220	6.6	4.0	5.0	2.7		2.7		2.7		2.7		2.7		2.7
14	350	11.6	220	5.3	3.8	5.0	2.7		2.7		2.7		2.7		2.7		2.7
15	340	11.7	250	6.1	3.8	5.1	2.8		2.8		2.8		2.8		2.8		2.8
16	320	11.8	260	4.7	3.0	4.9	2.8		2.8		2.8		2.8		2.8		2.8
17	310	11.3	260	4.5	3.0	4.6	2.8		2.8		2.8		2.8		2.8		2.8
18	250	10.5	220	6.5	4.0	4.7	2.7		2.7		2.7		2.7		2.7		2.7
19	370	10.1	220	6.4	4.4	5.0	2.7		2.7		2.7		2.7		2.7		2.7
20	290	10.7	220	5.8	3.8	4.7	2.7		2.7		2.7		2.7		2.7		2.7
21	280	10.6	260	4.7	3.6	4.7	2.7		2.7		2.7		2.7		2.7		2.7
22	290	10.4	260	4.7	3.6	4.6	2.8		2.8		2.8		2.8		2.8		2.8
23	270	10.0	210	2.1	2.1	2.8	2.8		2.8		2.8		2.8		2.8		2.8

Time: 120.0°W.  
Sweep: 0.6 Mc to 12.0 Mc in six minutes. Record centered on the hour.  
Median value.

Table 11 (Provisional Data)

British West Indies (10.6°N, 61.2°W)							July 1946										
Time	h'N	°P	h'N	°P	h'N	°P	h'N	°P	h'N	°P	h'N	°P	h'N	°P	h'N	°P	h'N
00	250	9.4	2.9		0.1		4.2		4.2		4.2		4.2		4.2		4.2
01	260	9.0	2.9		0.2		4.2		4.2		4.2		4.2		4.2		4.2
02	250	8.3	2.9		0.3		4.1		4.1		4.1		4.1		4.1		4.1
03	260	7.8	2.9		0.3		3.8		3.8		3.8		3.8		3.8		3.8
04	250	7.0	2.1		0.4		3.6		3.6		3.6		3.6		3.6		3.6
05	260	6.5	2.1		0.5		3.4		3.4		3.4		3.4		3.4		3.4
06	250	6.8	2.1		0.6		3.6		3.6		3.6		3.6		3.6		3.6
07	240	7.3	220	5.0	2.6	3.2	6.3		6.3		6.3		6.3		6.3		6.3
08	250	7.9	220	5.3	3.2	3.4	2.1		2.1		2.1		2.1		2.1		2.1
09	250	8.7	220	5.6	4.0	4.4	2.6		2.6		2.6		2.6		2.6		2.6
10	260	9.5	220	5.5	4.0	4.6	2.6		2.6		2.6		2.6		2.6		2.6
11	370	10.8	220	6.5	4.1	4.6	2.6		2.6		2.6		2.6		2.6		2.6
12	350	11.3	220	6.5	4.0	4.7	2.7		2.7		2.7		2.7		2.7		2.7
13	360	11.7	220	6.6	4.0	5.0	2.7		2.7		2.7		2.7		2.7		2.7
14	350	11.6	250	6.1	3.8	5.0	2.7		2.7		2.7		2.7		2.7		2.7
15	340	11.7	260	4.7	3.0	4.9	2.8		2.8		2.8		2.8		2.8		2.8
16	320	11.8	260	4.7	3.0	4.7	2.8		2.8		2.8		2.8		2.8		2.8
17	310	11.3	260	4.5	3.0	4.6	2.8		2.8		2.8		2.8		2.8		2.8
18	250	10.5	220	6.5	4.0	4.7	2.7		2.7		2.7		2.7		2.7		2.7
19	370	10.1	220	6.4	4.4	5.0	2.7		2.7		2.7		2.7		2.7		2.7
20	290	10.7	220	5.8	3.8	4.7	2.7		2.7		2.7		2.7		2.7		2.7
21	280	10.6	260	4.7	3.6	4.7	2.7		2.7		2.7		2.7		2.7		2.7
22	290	10.4	260	4.7	3.6	4.6	2.8		2.8		2.8		2.8		2.8		2.8
23	270	10.0	210	2.1	2.1	2.8	2.8		2.8		2.8		2.8		2.8		2.8

Time: 120.0°W.  
Sweep: 0.6 Mc to 12.0 Mc in six minutes. Record centered on the hour.  
Median value.

Table 12 (Provisional Data)

British West Indies (27.5°S, 155.0°E)							July 1946										
Time</																	

Table 14 (Provisional Data)

Matheron, W. Australia (30.3°S, 116.9°E)							
Time	120°E						
00	3.6						
01	3.6						
02	3.8						
03	3.8						
04	3.6						
05	3.3						
06	3.2						
07	5.4						
08	7.6						
09	8.6						
10	9.2						
11	9.3						
12	9.2						
13	9.6						
14	9.5						
15	9.7						
16	9.4						
17	8.4						
18	6.6						
19	5.3						
20	4.3						
21	3.7						
22	3.7						
23	3.5						

Time: 120°E  
Sweep: 16.0 Mc to 0.6 Mc in fifteen minutes.  
Median values.

Time: Local.  
Sweep: 1.6 Mc to 12.5 Mc in two minutes.  
Median values.

Table 15 (Provisional Data) superimposed Table 1, CRPL-22)

Ogden, Bettin I. (70.6°W, 60.6°N)							
Time	120°E	120°E	120°E	120°E	120°E	120°E	120°E
00	2.0	4.4					
01	2.0	4.4					
02	2.0	4.4					
03	3.50	4.4					
04	3.90	4.3					
05	4.90	4.3					
06	4.60	4.4					
07	4.50	4.5					
08	4.75	4.6					
09	(4.00)	(5.0)					
10	(400)	(5.2)					
11	4.50	5.2					
12	4.00	5.3					
13	(400)	(5.2)					
14	4.50	5.0					
15	4.50	5.0					
16	4.50	4.9					
17	3.85	4.9					
18	3.70	4.7					
19	2.80	4.8					
20	2.80	4.7					
21	2.85	4.7					
22	3.00	4.6					
23	2.90	4.4					

Time: 120°E  
Sweep: 2.0 Mc to 16.0 Mc in one minute.  
Median values.

Table 15 (Provisional Data) superimposed Table 1, CRPL-22)

June 1946							
Time	120°E						
00	2.9						
01	2.8						
02	2.9						
03	3.0						
04	3.0						
05	3.0						
06	2.9						
07	3.1						
08	3.1						
09	3.0						
10	3.0						
11	2.9						
12	2.9						
13	2.9						
14	2.9						
15	2.7						
16	2.7						
17	2.8						
18	2.9						
19	2.9						
20	2.9						
21	2.9						
22	2.9						
23	2.9						

Time: Local.  
Sweep: 1.6 Mc to 12.5 Mc in two minutes.  
Median values.

Table 16 (Provisional Data)

June 1946							
Time	120°E						
00	4.0						
01	4.0						
02	4.0						
03	4.0						
04	4.0						
05	4.0						
06	4.0						
07	4.0						
08	4.0						
09	4.0						
10	4.0						
11	4.0						
12	4.0						
13	4.0						
14	4.0						
15	4.0						
16	4.0						
17	4.0						
18	4.0						
19	4.0						
20	4.0						
21	4.0						
22	4.0						
23	4.0						

Time: Local.  
Sweep: 1.6 Mc to 12.5 Mc in two minutes.  
Median values.

Table 16 (Provisional Data)

June 1946							
Time	120°E						
00	4.0						
01	4.0						
02	4.0						
03	4.0						
04	4.0						
05	4.0						
06	4.0						
07	4.0						
08	4.0						
09	4.0						
10	4.0						
11	4.0						
12	4.0						
13	4.0						
14	4.0						
15	4.0						
16	4.0						
17	4.0						
18	4.0						
19	4.0						
20	4.0						
21	4.0						
22	4.0						
23	4.0						

Time: Local.  
Sweep: 1.6 Mc to 12.5 Mc in two minutes.  
Median values.

Table 16 (Provisional Data)

June 1946							
Time	120°E						
00	4.0						
01	4.0						
02	4.0						
03	4.0						
04	4.0						
05	4.0						
06	4.0						
07	4.0						
08	4.0						
09	4.0						
10	4.0						
11	4.0						
12	4.0						
13	4.0						
14	4.0						
15	4.0						
16	4.0						
17	4.0						
18	4.0						
19	4.0						
20	4.0						
21	4.0						
22	4.0						
23	4.0						

Time: Local.  
Sweep: 1.6 Mc to 12.5 Mc in two minutes.  
Median values.

Table 16 (Provisional Data)

June 1946							
Time	120°E						
00	4.0						
01	4.0						
02	4.0						
03	4.0						
04	4.0						
05	4.0						
06	4.0						
07	4.0						
08	4.0						
09	4.0						
10	4.0						
11	4.0						
12	4.0						
13	4.0						
14	4.0						
15	4.0						
16	4.0						
17	4.0						
18	4.0						
19	4.0						
20	4.0						
21	4.0						
22	4.0						
23	4.0						

Time: Local.  
Sweep: 1.6 Mc to 12.5 Mc in two minutes.  
Median values.

Table 16 (Provisional Data)

June 1946							
Time	120°E						
00	4.0						
01	4.0				</		

Table 17 (Provisional Data)

Orinoco I. (186.3°N, 127.0°E)

Time	June 1946					June 1946				
	b'F2	F2F2	b'F1	F2F1	b'F1	F2F1	b'F2	F2F2	b'F1	F2F1
00	7.9		6.0	2.7			220	8.6		2.6
01	7.9		5.6	2.7	00		220	7.0		2.6
02	7.9		5.3	2.6	01		310	6.9		2.2
03	7.1		5.1	2.7	03		200	6.6		2.9
04	6.8		4.7	2.9	04		280	6.4		3.1
05	6.6		4.7	2.9	05		220	6.5		3.2
06	6.9		5.0	3.0	06		260	6.0		2.4
07	7.4		5.1	3.1	07		240	7.3		3.3
08	7.4		3.2	2.9	09		250	8.2		3.1
09	8.1		5.2	3.5	10		260	8.7		3.3
10	8.3		5.2	3.7	11		280	9.6		3.3
11	9.6		5.2	3.9	12		260	9.7		3.1
12	9.7		5.4	4.1	13		280	10.1		4.1
13	10.6		6.2	4.0	14		400	10.4		6.6
14	10.8		5.5	3.9	15		360	11.3		6.6
15	11.0		5.3	3.7	16		260	11.5		6.7
16	10.9		5.1	3.4	17		320	11.8		7.0
17	10.9		4.9	3.2	18		300	11.8		7.0
18	10.7		4.5	2.6	19		270	11.7		6.7
19	10.2		5.0	3.5	20		280	11.4		6.9
20	8.6		5.6	2.8	21		320	10.5		6.3
21	6.1		4.7	2.6	22		380	9.2		3.9
22	6.3		4.1	2.5	23		350	9.1		3.6
23	8.3		3.9	2.6			350	8.5		3.6

Time: 135.0°E.  
Median values.

Table 18 (Provisional Data)

Time	June 1946					June 1946				
	b'F2	F2F2	b'F1	F2F1	b'F1	F2F1	b'F2	F2F2	b'F1	F2F1
00	1.1		0.6	0.2			220	0.6		0.2
01	1.1		0.6	0.2	00		220	0.6		0.2
02	1.1		0.6	0.2	01		310	0.6		0.2
03	1.1		0.6	0.2	03		200	0.6		0.2
04	1.1		0.6	0.2	04		280	0.6		0.2
05	1.1		0.6	0.2	05		220	0.6		0.2
06	4.9		1.1	0.2	06		220	0.6		0.2
07	7.2		3.0	1.1	07		220	0.6		0.2
08	6.9		3.5	1.1	08		220	0.6		0.2
09	5.3		3.0	1.1	09		220	0.6		0.2
10	9.4		5.3	2.6	10		220	0.6		0.2
11	9.4		5.2	3.0	11		220	0.6		0.2
12	9.5		5.6	3.0	12		220	0.6		0.2
13	9.7		5.4	4.2	13		220	0.6		0.2
14	9.9		5.4	4.2	14		220	0.6		0.2
15	10.0		5.4	3.9	15		220	0.6		0.2
16	10.2		5.3	3.6	16		220	0.6		0.2
17	10.5		7.0	3.3	17		220	0.6		0.2
18	10.6		7.2	2.4	18		220	0.6		0.2
19	10.5		5.9	2.6	19		220	0.6		0.2
20	9.6		6.1	2.5	20		220	0.6		0.2
21	9.1		6.1	2.5	21		220	0.6		0.2
22	6.2		3.4	2.5	22		220	0.6		0.2
23	6.2		3.1	2.5	23		220	0.6		0.2

Time: 150.0°E.  
Sweep; Manual operation.  
Average values.

Table 19 (Provisional Data)

Time	June 1946					June 1946				
	b'F2	F2F2	b'F1	F2F1	b'F1	F2F1	b'F2	F2F2	b'F1	F2F1
00	8.5		2.2	0.6			220	0.6		0.2
01	7.6		1.6	0.6	00		220	0.6		0.2
02	7.4		<1.6	0.6	01		310	0.6		0.2
03	6.8		<1.6	0.6	02		200	0.6		0.2
04	6.3		<1.6	0.6	03		280	0.6		0.2
05	5.5		<1.6	0.6	04		220	0.6		0.2
06	4.9		<1.6	0.6	05		220	0.6		0.2
07	7.2		3.0	1.1	06		220	0.6		0.2
08	6.9		3.0	1.1	07		220	0.6		0.2
09	5.3		3.5	1.1	08		220	0.6		0.2
10	9.4		5.3	2.6	09		220	0.6		0.2
11	9.4		5.2	3.0	10		220	0.6		0.2
12	9.5		5.6	3.0	11		220	0.6		0.2
13	9.7		5.4	4.2	12		220	0.6		0.2
14	9.9		5.4	4.2	13		220	0.6		0.2
15	10.0		5.4	3.9	14		220	0.6		0.2
16	10.2		5.3	3.6	15		220	0.6		0.2
17	10.5		7.0	3.3	16		220	0.6		0.2
18	10.6		7.2	2.4	17		220	0.6		0.2
19	10.5		5.9	2.6	18		220	0.6		0.2
20	9.6		6.1	2.5	19		220	0.6		0.2
21	9.1		6.1	2.5	20		220	0.6		0.2
22	6.2		3.4	2.5	21		220	0.6		0.2
23	6.2		3.1	2.5	22		220	0.6		0.2

Time: 135.0°E.  
Sweep; Manual operation.  
Median values.

Table 20 (Provisional Data)

Time	June 1946					June 1946				
	b'F2	F2F2	b'F1	F2F1	b'F1	F2F1	b'F2	F2F2	b'F1	F2F1
00	8.5		2.6	0.6			220	0.6		0.2
01	7.6		1.6	0.6	00		220	0.6		0.2
02	7.4		<1.6	0.6	01		310	0.6		0.2
03	6.8		<1.6	0.6	02		200	0.6		0.2
04	6.3		<1.6	0.6	03		280	0.6		0.2
05	5.5		<1.6	0.6	04		220	0.6		0.2
06	4.9		<1.6	0.6	05		220	0.6		0.2
07	7.2		3.0	1.1	06		220	0.6		0.2
08	6.9		3.0	1.1	07		220	0.6		0.2
09	5.3		3.5	1.1	08		220	0.6		0.2
10	9.4		5.3	2.6	09		220	0.6		0.2
11	9.4		5.2	3.0	10		220	0.6		0.2
12	9.5		5.6	3.0	11		220	0.6		0.2
13	9.7		5.4	4.2	12		220	0.6		0.2
14	9.9		5.4	4.2	13		220	0.6		0.2
15	10.0		5.4	3.9	14		220	0.6		0.2
16	10.2		5.3	3.6	15		220	0.6		0.2
17	10.5		7.0	3.3	16		220	0.6		0.2
18	10.6		7.2	2.4	17		220	0.6		0.2
19	10.5		5.9	2.6	18		220	0.6		0.2
20	9.6		6.1	2.5	19		220	0.6		0.2
21	9.1		6.1	2.5	20		220	0.6		0.2
22	6.2		3.4	2.5	21		220	0.6		0.2
23	6.2		3.1	2.5	22		220	0.6		0.2

Time: Local.  
Sweep: 150.0°E. Mc in two minutes.  
Median values.

Table 21 (Provisional Data)

Bathym. of Australia (30.5°S, 115.0°E)											
Time	10'2	N'2	F'2	S'2	N'3	F'3	S'3	N'4	F'4	S'4	12-3000
00	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
01	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
02	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
03	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
04	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
05	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
06	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
07	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
08	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
09	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
10	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
11	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
12	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
13	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
14	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
15	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
16	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
17	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
18	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
19	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
20	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
21	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
22	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
23	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

Final Readings.  
Depth: 15.0 Km to 0.5 Km in fifteen minutes.  
Average values.

Table 22 (Provisional Data; supersedes Table 1, IRP-L-722)

Gulf. Morris I. (70.5°S, 60.0°W)											
Time	10'2	N'2	F'2	S'2	N'3	F'3	S'3	N'4	F'4	S'4	12-3000
00	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
01	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
02	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
03	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
04	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
05	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
06	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
07	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
08	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
09	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
10	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
11	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
12	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
13	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
14	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
15	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
16	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
17	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
18	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
19	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
20	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
21	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
22	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
23	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

Time: 75.0°W.  
Depth: 2.0 to 16.0 Km in one minute.  
Median values.

Table 23 (Provisional Data)

Leningrad (L-225), U.S.S.R. (59.9°N, 30.3°E)											
Time	10'2	N'2	F'2	S'2	N'3	F'3	S'3	N'4	F'4	S'4	12-3000
00	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
01	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
02	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
03	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
04	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
05	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
06	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
07	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
08	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
09	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
10	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
11	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
12	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
13	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
14	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
15	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
16	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
17	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
18	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
19	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
20	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
21	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
22	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
23	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0

Time: 32.0°E.  
Depth: 1.6 Km to 9.0 Km in five to ten minutes. Manual operation.  
Average values.

Table 24 (Provisional Data)

Sverdrup, U.S.S.R. (60.7°N, Q.1°E)											
Time	10'2	N'2	F'2	S'2	N'3	F'3	S'3	N'4	F'4	S'4	12-3000
00	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
01	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
02	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
03	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
04	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
05	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
06	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
07	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
08	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
09	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
10	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
11	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
12	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
13	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
14	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
15	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
16	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
17	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
18	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
19	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
20	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
21	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
22	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
23	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0

Time: 60.

Table 25 (Provisional Data)

Time	h'F2	h'F7	h'F1	h'E1	h'E7	h'E13	h'E20
00	6.0						
01	6.0						
02	6.0						
03	7.2						
04	7.2						
05	7.5						
06	8.4						
07	9.0						
08	9.6						
09	9.8						
10	9.1						
11	9.6						
12	6.7						
13	9.4						
14	9.6						
15	8.7						
16	8.5						
17	8.1						
18	7.3						
19	7.0						
20	6.7						
21	6.6						
22	6.2						
23	6.5						

Time: 76.0°F.  
Sweep: 2.0 Mc to 14.0 Mc in ten to twenty minutes. Manual operation.  
Average values.

Time: 76.0°F.  
Sweep: 2.0 Mc to 16.0 Mc in one minute.  
Median values.

Time: 76.0°F.  
Sweep: 2.0 Mc to 16.0 Mc in one minute.  
Median values.

Table 26 (Provisional Data; superseded Table 1, IFR-21)

Time	h'F2	h'F7	h'F1	h'E1	h'E7	h'E13	h'E20
00	4.4						
01	3.6						
02	3.6						
03	3.7						
04	4.0						
05	3.9						
06	4.1						
07	4.5						
08	4.6						
09	5.2						
10	5.1						
11	5.2						
12	5.2						
13	5.4						
14	4.9						
15	4.9						
16	5.2						
17	5.0						
18	5.0						
19	4.9						
20	4.5						
21	4.4						
22	4.6						
23	4.4						

Time: 76.0°F.  
Sweep: 2.0 Mc to 16.0 Mc in one minute.  
Median values.

Time: 76.0°F.  
Sweep: 2.0 Mc to 16.0 Mc in one minute.  
Median values.

Time: 76.0°F.  
Sweep: 2.0 Mc to 16.0 Mc in one minute.  
Median values.

Table 27 (Provisional Data)

Time	h'F2	h'F7	h'F1	h'E1	h'E7	h'E13	h'E20
00	4.0						
01	4.1						
02	3.9						
03	4.2						
04	5.0						
05	6.5						
06	6.3						
07	7.0						
08	7.4						
09	7.6						
10	7.8						
11	7.8						
12	7.8						
13	7.9						
14	7.6						
15	7.4						
16	7.2						
17	7.0						
18	6.9						
19	6.4						
20	6.8						
21	6.2						
22	6.8						
23	6.4						

Time: 76.0°F.  
Sweep: 1.0 Mc to 9.0 Mc in five to ten minutes. Manual operation.  
Average values.

Time: 76.0°F.  
Sweep: 1.0 Mc to 9.0 Mc in ten to twenty minutes. Manual operation.  
Average values.

Time: 76.0°F.  
Sweep: 1.0 Mc to 9.0 Mc in ten to twenty minutes. Manual operation.  
Average values.

Table 28 (Provisional Data)

Time	h'F2	h'F7	h'F1	h'E1	h'E7	h'E13	h'E20
00	5.5						
01	5.1						
02	5.1						
03	5.3						
04	7.0						
05	6.1						
06	6.7						
07	9.4						
08	9.4						
09	10.0						
10	10.6						
11	10.6						
12	10.2						
13	10.3						
14	10.2						
15	9.6						
16	9.7						
17	7.6						
18	7.1						
19	7.0						
20	6.1						
21	6.0						
22	5.8						
23	5.6						
24	5.5						

Time: 76.0°F.  
Sweep: 2.0 Mc to 16.0 Mc in one minute. Manual operation.  
Average values.

Time: 76.0°F.  
Sweep: 2.0 Mc to 16.0 Mc in one minute. Manual operation.  
Average values.

Time: 76.0°F.  
Sweep: 2.0 Mc to 16.0 Mc in one minute. Manual operation.  
Average values.

Time: 76.0°F.  
Sweep: 1.0 Mc to 9.0 Mc in five to ten minutes. Manual operation.  
Average values.

Time: 76.0°F.  
Sweep: 1.0 Mc to 9.0 Mc in ten to twenty minutes. Manual operation.  
Average values.

Time: 76.0°F.  
Sweep: 1.0 Mc to 9.0 Mc in ten to twenty minutes. Manual operation.  
Average values.

**Table 28** (Provisional Data; supersedes Table 1, IRPL-F20)

Table 30 (Provisional Data): superseded Table 12. (IEI-FF20)

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Time: 75.0<sup>9</sup>%  
Speed: 2.0 Mo to 16.0 Mo in one minute.  
Medium: *Escherichia coli*

Table 3 = [Provisional] Data: Sundarban [1970-1971] (BGB-F19)

Line: 75.00 V.  
Sleep: 2.0 ms to 16.0 ms in one minute.

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Clyde, Section I. (70.8°N., 65.6°W.)	December 1945					
	b7c	f7c	b7f	f7f	b15	f15
00	2.6	2.6	2.1	2.1	3.1	3.1
01	2.6	2.6	3.1	3.1	3.1	3.1
02	2.3	2.3	3.1	3.1	3.1	3.1
03	2.4	2.4	3.1	3.1	3.1	3.1
04	2.4	2.4	3.1	3.1	3.1	3.1
05	2.6	2.6	3.2	3.2	3.2	3.2
06	2.4	2.4	3.2	3.2	3.2	3.2
07	2.6	2.6	3.1	3.1	3.1	3.1
08	3.0	3.0	3.2	3.2	3.2	3.2
09	3.4	3.4	3.2	3.2	3.2	3.2
10	3.6	3.6	3.3	3.3	3.3	3.3
11	4.2	4.2	3.2	3.2	3.2	3.2
12	4.2	4.2	3.2	3.2	3.2	3.2
13	4.0	4.0	3.2	3.2	3.2	3.2
14	4.6	4.6	3.3	3.3	3.3	3.3
15	4.5	4.5	3.2	3.2	3.2	3.2
16	3.8	3.8	3.2	3.2	3.2	3.2
17	2.6	2.6	3.1	3.1	3.1	3.1
18	3.4	3.4	3.2	3.2	3.2	3.2
19	3.0	3.0	3.0	3.0	3.0	3.0
20	2.8	2.8	3.2	3.2	3.2	3.2
21	2.9	2.9	3.1	3.1	3.1	3.1
22	2.7	2.7	3.1	3.1	3.1	3.1
23	2.5	2.5	3.1	3.1	3.1	3.1

Time: 75.0%  
Streep: 2.0 Mc to 15.0 Mc in one minute.

Table 22 (Provisional Data; supersedes Table 11, IRPL-F17)

Olde, Bassia L. (70.5°N, 63.6°W)

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March 1964

Fine! 75.0%.  
Sleep: 2.0 hrs to 16.0 hrs in one minute.  
Median values.

Table 25 (Supersedes Table 2, CRPL-F23)

Fairbanks, Alaska (66.9°N, 147.8°W)

Time: 150.00%. Sweep: 16.0 Mc to 0.5 Mc in fifteen minutes.

Table 36

Churchill, Canada (58°8'N, 94°2'W)

Year	1972	1973	1974	1975	1976	1977	1978	1979	1980
00	285	4.8							
01	295	4.9							
02	290	4.4							
03	290	4.4							
04	315								
05	420	4.9							
06	430								
07	470								
08	460								
09	475	5.4							
10	475	5.4							
11	445	5.8							
12	420	5.8							
13	440	6.0							
14	440	6.0							
15	435								
16	420	6.3							
17	400	6.4							
18	370	6.2							
19	350	6.1							
20	310	5.6							
21	290	5.4							
22	290	5.2							
23	310	5.0							

Time: 90.00%.  
Season: 2.0 ms to 16.0 ms in one minute.

June 1946

<u>2-24000</u>	2.8	2.8	2.9	2.9	2.9	2.8	2.8	2.6	2.7	2.7	2.7	2.6	2.6	2.7	2.7	2.7	2.8	2.8	2.8
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Table 41

Christchurch, New Zealand (43°50'S., 172°50'E.)  
Sweep: 100 Mc. Frequency (43.403, 73.200)  
Time: 1946  
Median values.

Time	b1F2	F2F2	b1F1	F2F1	b1E	F2E	b1W	F2W
00	280	2.4			2.6		2.6	
01	270	2.3			2.2		2.2	
02	280	2.4			2.9		2.9	
03	285	3.0			2.6		2.6	
04	250	2.6			2.8		2.8	
05	260	2.5			2.1		2.1	
06	250	2.4			3.0		3.0	
07	240	5.0			3.6		3.6	
08	230	6.0			1.0		1.0	
09	230	7.6			2.9		2.9	
10	230	7.7	220	4.0	2.8	3.6	3.6	3.6
11	230	8.0	220	4.2	2.9	3.4	3.4	3.4
12	210	8.1	210	4.3	3.0	4.3	4.3	4.3
13	240	8.3	230	4.3	2.9	4.9	4.9	4.9
14	240	8.8	230	4.0	2.9	4.1	4.1	4.1
15	220	8.1	230	3.6	3.4	3.6	3.6	3.6
16	220	7.7			1.8	3.1	3.1	3.1
17	220	6.6			3.0	2.6	2.6	2.6
18	220	5.3			2.6	2.1	2.1	2.1
19	240	4.9			4.0	2.1	2.1	2.1
20	230	4.0			3.7	2.0	2.0	2.0
21	250				1.8	2.8	2.8	2.8
22	270	3.7			2.8	2.1	2.1	2.1
23	280	3.6			3.6	2.8	2.8	2.8
24					3.8	2.8	2.8	2.8

Time: 172.6°W.  
Sweep: 1.0 Mc to 13.0 Mc. Automatic.  
Median values.

Time: 76.0°W.  
Sweep: 9.85 Mc to 13.75 Mc in one minute.  
Median values.

Table 42 (Supersedes Table 7, CRPL-F23)

San Francisco, California (37.42°N., 122.20°E.)  
Sweep: 100 Mc. Frequency (35.803, 139.602)  
Time: 1946  
Median values.

Time	b1F2	F2F2	b1F1	F2F1	b1E	F2E	b1W	F2W
00	290	5.3			3.4	2.6	2.6	2.6
01	310	5.0			3.4	2.6	2.6	2.6
02	300	4.5			2.2	2.6	2.6	2.6
03	310	4.7			2.5	2.6	2.6	2.6
04	300	4.3			2.5	2.6	2.6	2.6
05	290	4.2	295	2.9	2.9	2.6	2.6	2.6
06	310	5.2	260	3.8	120	2.4	2.4	2.4
07	360	5.6	220	2.4	110	2.9	2.9	2.9
08	360	6.5	220	4.8	100	2.2	2.2	2.2
09	385	6.5	200	4.9	100	3.6	3.6	3.6
10	400	6.6	200	5.1	100	3.6	3.6	3.6
11	400	7.0	200	5.1	100	3.7	3.7	3.7
12	400	7.2	200	5.0	100	3.7	3.7	3.7
13	380	6.9	205	5.0	100	3.7	3.7	3.7
14	380	7.1	220	5.0	100	3.7	3.7	3.7
15	380	7.0	220	4.9	100	3.5	3.5	3.5
16	355	6.6	220	4.7	100	3.4	3.4	3.4
17	320	6.6	230	4.5	100	3.1	3.1	3.1
18	300	6.4	240	4.0	115	2.5	2.6	2.6
19	260	7.0			3.8	3.0	3.0	3.0
20	250	6.7			3.4	3.0	3.0	3.0
21	260	6.6			3.6	2.8	2.8	2.8
22	280	6.0			3.6	2.6	2.6	2.6
23	300	5.2			3.6	2.6	2.6	2.6

Time: 120.0°W.  
Sweep: 0.8 Mc to 12.0 Mc in six minutes. Record centered on the hour.  
Median values.

Table 43 (Supersedes Table 7, CRPL-F23)

Time	b1F2	F2F2	b1F1	F2F1	b1E	F2E	b1W	F2W
00	(280)	7.6			0.0	(280)	7.6	6.1
01	270	6.1			0.1	270	6.1	2.9
02	280	7.1			0.3	260	7.1	4.3
03	285	6.8			0.5	260	6.8	3.0
04	295	6.0			0.4	260	6.6	3.5
05	290	6.6			0.5	230	6.9	3.9
06	290	7.5			0.6	230	7.5	3.9
07	290	7.5			0.7	260	7.5	3.9
08	295	7.5			0.8	245	7.8	3.9
09	310	7.4			0.8	295	7.4	3.9
10	300	7.4			1.0	300	7.4	3.9
11	310	7.0			1.1	300	7.4	3.9
12	400	7.2			1.2	340	7.9	5.4
13	380	6.9			1.3	320	8.4	100
14	380	7.1			1.3	320	8.6	100
15	380	7.0			1.3	320	8.6	100
16	355	6.6			1.5	296	8.0	100
17	320	6.6			1.7	276	8.1	100
18	300	6.4			1.8	260	8.1	100
19	260	7.0			1.9	250	8.1	100
20	250	6.7			2.0	260	7.7	100
21	260	6.6			2.1	280	7.6	100
22	280	6.0			2.2	280	7.8	100
23	300	5.2			2.3	290	7.6	100

Time: 120.0°W.  
Sweep: 0.8 Mc to 12.0 Mc in six minutes. Record centered on the hour.  
Median values.

Time: 136.0°E.  
Sweep: Lower limit of frequency, 2.0 Mc.  
Median values.

Time: 136.0°E.

Time: 136.0°E.

Table 65 (Supersedes Table 9, CRPL-F-23)

Time	H	F	P	H	F	H	F	P	H	F	P	H	F	P	H	F	P
20	31C	5.6		3.0	2.8				0.0	7.6		2.7					
C1	260	5.6		2.9					0.1	7.6		2.6					
C2	260	5.1		2.9					0.2	7.6		2.6					
C3	310	4.9		2.8					0.3	7.6		2.6					
C4	310	4.6		2.8					0.4	6.4		2.5					
C5	260	4.7		2.8					0.5	6.0		2.5					
C6	250	5.5		2.8					0.6	7.0		2.6					
C7	250	4.3		2.7					0.7	7.5		2.6					
C8	240	4.6		2.7					0.8	7.8		2.6					
C9	230	4.5		2.7					0.9	7.8		2.6					
C10	230	4.7		2.8					1.0	7.8		2.6					
C11	400	5.0		2.8					1.1	7.8		2.6					
C12	400	7.1		2.8					1.2	7.5		2.6					
C13	400	7.4		2.8					1.3	7.5		2.6					
C14	360	7.5		2.8					1.4	7.5		2.6					
C15	360	7.5		2.8					1.5	7.5		2.6					
C16	360	7.5		2.8					1.6	7.5		2.6					
C17	360	7.5		2.8					1.7	7.5		2.6					
C18	320	7.3		2.8					1.8	7.5		2.6					
C19	290	7.5		2.8					1.9	7.5		2.6					
C20	270	6.6		2.8					2.0	7.5		2.6					
C21	270	6.4		2.8					2.1	7.5		2.6					
C22	250	6.9		2.8					2.2	7.5		2.6					
C23	250	5.7		2.9					2.3	8.9		2.7					

Time: 00.00.  
Speed: 1.6 kc to 9.8 kc in three minutes, thirty seconds.  
Median values.

Time: 60.00.  
Speed: Record centered on the hour.  
Median values.

Time: 60.00.  
Speed: Record centered on the hour.  
Median values.

Table 67 (Supersedes Table 11, CRPL-F-23)

Time	H	F	P	H	F	P	H	F	P	H	F	P	H	F	P	H	F	P
00	255	9.3		2.1			0.0	260		7.8			2.4					
C1	255	9.5		3.0			0.1	260		7.8			2.4					
C2	260	8.2		3.0			0.2	265		7.8			2.4					
C3	260	7.6		3.0			0.3	260		7.6			2.2					
C4	250	7.0		3.1			0.4	245		6.8			2.1					
C5	250	6.5		2.6			0.5	230		6.5			2.1					
C6	250	6.6		2.6			0.6	240		6.6			2.1					
C7	240	7.2		2.5			0.7	250		6.3			2.1					
C8	240	7.2		2.5			0.8	230		7.8			2.3					
C9	220	4.9		2.6			0.9	220		8.3			2.0					
C10	210	4.4		3.4			0.9	220		8.3			2.0					
C11	220	5.2		4.8			1.0	220		8.3			2.0					
C12	220	5.3		4.8			1.1	240		9.0			2.1					
C13	210	4.0		5.0			1.2	360		9.2			2.1					
C14	220	5.2		4.0			1.3	350		9.4			2.1					
C15	220	5.2		4.0			1.4	350		9.6			2.1					
C16	210	11.4		5.2			1.5	360		10.0			2.0					
C17	295	10.7		5.0			1.6	360		9.8			2.0					
C18	270	10.3		4.5			1.7	220		9.6			2.0					
C19	290	10.2		4.0			1.8	360		9.4			2.0					
C20	300	10.4		3.1			1.9	360		9.0			2.0					
C21	255	10.5		4.4			2.0	365		8.4			2.0					
C22	270	10.4		4.2			2.1	350		8.1			2.0					
C23	260	10.4		2.0			2.2	325		8.3			2.0					

Time: 00.00.  
Speed: Initial orientation.  
Median values.

Table 68 (Supersedes Table 12, CRPL-F-23)

Time	H	F	P	H	F	P	H	F	P	H	F	P	H	F	P	H	F	P
00	00	7.6		2.4			0.0	260		7.8			2.4					
C1	02	7.6		3.0			0.1	260		7.8			2.4					
C2	03	7.6		3.0			0.2	265		7.8			2.4					
C3	04	7.0		3.0			0.3	260		7.6			2.2					
C4	05	6.5		3.1			0.4	245		6.8			2.1					
C5	06	6.6		3.0			0.5	230		6.5			2.1					
C6	07	7.2		2.5			0.6	240		6.6			2.1					
C7	240	7.2		2.5			0.7	250		6.3			2.1					
C8	220	4.9		2.6			0.8	230		7.8			2.3					
C9	210	4.4		3.4			0.9	220		8.3			2.0					
C10	220	5.2		4.8			1.0	240		9.0			2.1					
C11	220	5.3		4.8			1.1	340		9.0			2.1					
C12	210	4.0		5.0			1.2	360		9.2			2.1					
C13	220	5.2		4.0			1.3	350		9.4			2.1					
C14	220	5.2		4.0			1.4	350		9.6			2.1					
C15	330	11.6		5.2			1.5	360		10.0			2.0					
C16	210	11.4		5.0			1.6	360		9.8			2.0					
C17	295	10.7		4.5			1.7	360		9.6			2.0					
C18	270	10.3		4.0			1.8	220		9.5			2.0					
C19	290	10.2		4.2			1.9	360		9.4			2.0					
C20	300	10.4		3.1			2.0	360		9.0			2.0					
C21	255	10.5		4.4			2.1	365		8.4			2.0					
C22	270	10.4		4.2			2.2	350		8.1			2.0					
C23	260	10.4		2.0			2.3	325		8.3			2.0					

Time: 150.00.  
Speed: 1.6 kc to 13.0 kc in one minute, thirty seconds.  
Median values.

Time: 150.00.  
Speed: 1.6 kc to 13.0 kc in one minute, thirty seconds.  
Median values.

Tabelle 40

Table 3C

Time: 75.00V.  
Sweep: 16.0 Mc to 0.5 Mc in fifteen minutes.  
Median values.

BRIEFING: DRAFT OF BOUNDARY BILL (26 APRIL 1947)

/ १०८२ (१९७६) विजयलक्ष्मी

Time: 30.0° E.  
Sweep: 2.0 Mc to 15.0 Mc in eight seconds.

Table 51 (Supersedes table 5, TRPL-F22)

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Time: 0.05<sup>1</sup>  
Sweep: 1.2 sec to 16.0 Mc in approximately 2 minutes.  
Load: 1.2 ohms  
Tuning: 1.2 ohms

Table 52

Rise: 180.0°W.  
Sleep: Manual operation.

Table 52 (Supersedes Table 6, EPFL-F22)

May 1946

St. John's Newfoundland (47.6°N, 52.7°E.)

Time	h <sup>o</sup> P2	F <sup>o</sup> P2	H <sup>o</sup> P1	F <sup>o</sup> P1	H <sup>o</sup> E	F <sup>o</sup> E	h <sup>o</sup> G5000	F <sup>o</sup> G5000
00	260	5.4	2.9	0.0	24.0	9.0	4.4	2.9
01	270	5.0	3.1	0.1	24.5	9.5	3.8	2.9
02	270	4.8	3.0	0.2	24.0	7.4	3.4	2.8
02	270	4.4	3.0	0.3	24.0	6.7	3.0	3.0
04	260	4.1	3.1	0.4	25.0	6.2	2.8	2.8
05	240	4.3	3.2	0.5	27.0	6.0	2.8	2.9
06	220	4.9	3.2	0.6	24.0	7.6	2.9	2.9
07	210	4.8	3.5	0.7	25.5	8.3	3.1	3.1
08	200	5.0	3.4	0.8	28.0	9.2	3.5	3.4
09	210	5.6	3.4	0.9	29.0	10.0	3.5	3.0
10	240	6.1	4.0	1.0	32.0	10.8	3.8	3.0
11	250	6.2	4.0	1.1	32.0	11.9	4.0	3.0
12	250	6.4	4.2	1.2	32.5	13.0	4.2	3.0
13	260	6.5	4.4	1.3	32.0	13.5	4.4	3.1
14	295	6.5	4.6	1.4	29.0	14.0	5.2	3.1
15	275	6.8	4.7	1.5	28.5	14.5	5.0	3.1
16	260	7.1	4.0	1.6	27.5	13.8	4.8	2.9
17	260	7.2	4.0	1.7	26.0	12.4	4.7	3.0
18	260	7.4	4.0	1.8	21.0	12.2	4.6	3.2
19	250	7.3	3.6	1.9	22.0	10.5	4.1	3.1
20	235	7.4	3.9	2.0	22.0	9.2	5.2	3.0
21	225	6.2	3.2	2.1	24.5	9.2	4.8	3.0
22	245	6.1	3.1	2.2	26.0	8.8	5.9	2.9
23	250	5.7	3.1	2.2	26.5	8.3	4.6	2.9

Time: 52.5%  
Sweep: Internal orientation.  
Median values.

May 1946

Churking, China (20.4°N, 106.8°E.)

Table 54

Time	h <sup>o</sup> P2	F <sup>o</sup> P2	H <sup>o</sup> P1	F <sup>o</sup> P1	H <sup>o</sup> E	F <sup>o</sup> E	h <sup>o</sup> G5000	F <sup>o</sup> G5000
00	210	2.9	0.0	24.0	9.0	4.4	2.9	2.9
01	210	3.1	0.1	24.5	9.5	3.8	2.9	2.8
02	210	3.0	0.2	24.0	7.4	3.4	2.9	2.8
02	210	3.0	0.3	24.0	6.7	3.0	3.0	3.0
04	210	3.1	0.4	25.0	6.2	2.8	2.8	2.8
05	210	3.2	0.5	27.0	6.0	2.8	2.8	2.8
06	210	3.4	0.6	24.0	7.6	2.9	2.9	2.9
07	210	3.4	0.7	24.0	9.0	3.0	3.0	3.0
08	210	3.5	0.8	24.0	10.4	3.0	3.0	3.0
09	210	3.5	0.9	24.0	11.8	3.0	3.0	3.0
10	210	3.6	1.0	24.0	13.2	3.0	3.0	3.0
11	210	3.6	1.1	24.0	14.6	3.0	3.0	3.0
12	210	3.6	1.2	24.0	16.0	3.0	3.0	3.0
13	210	3.6	1.3	24.0	17.4	3.0	3.0	3.0
14	210	3.6	1.4	24.0	18.8	3.0	3.0	3.0
15	210	3.6	1.5	24.0	20.2	3.0	3.0	3.0
16	210	3.6	1.6	24.0	21.6	3.0	3.0	3.0
17	210	3.6	1.7	24.0	23.0	3.0	3.0	3.0
18	210	3.6	1.8	24.0	24.4	3.0	3.0	3.0
19	210	3.6	1.9	24.0	25.8	3.0	3.0	3.0
20	210	3.6	2.0	24.0	27.2	3.0	3.0	3.0
21	210	3.6	2.1	24.0	28.6	3.0	3.0	3.0
22	210	3.6	2.2	24.0	30.0	3.0	3.0	3.0
23	210	3.6	2.3	24.0	31.4	3.0	3.0	3.0

Time: 105.0°E.  
Sweep: 2.1 Lc to 16.1 Mc in fifteen minutes.  
Median values.

Time	h <sup>o</sup> P2	F <sup>o</sup> P2	H <sup>o</sup> P1	F <sup>o</sup> P1	H <sup>o</sup> E	F <sup>o</sup> E	h <sup>o</sup> G5000	F <sup>o</sup> G5000
00	295	7.8	3.1	2.8	00	10.0	3.6	2.8
01	290	7.6	3.4	2.9	01	9.8	3.6	2.8
02	270	7.4	3.0	2.8	02	8.6	3.6	3.2
03	280	6.2	2.9	2.9	03	7.4	2.8	3.2
04	300	5.9	2.6	2.9	04	6.0	<2.6	3.2
05	290	5.5	2.6	2.8	05	4.8	<2.6	3.1
06	265	5.6	2.6	2.8	06	4.2	<2.6	3.0
07	250	6.7	2.6	2.9	07	7.6	2.3	3.0
08	270	8.0	3.6	2.6	08	9.6	4.2	3.0
09	300	9.0	2.20	2.6	09	10.3	5.4	3.0
10	350	10.1	2.20	2.5	10	9.8	5.4	3.0
11	360	10.9	2.20	2.6	11	10.2	5.5	3.0
12	360	11.6	2.25	2.6	12	10.3	5.8	3.0
13	360	12.1	2.20	2.6	13	10.5	5.6	3.0
14	350	12.2	2.30	2.7	14	10.7	5.5	3.0
15	335	12.6	2.25	2.6	15	10.8	5.3	3.0
16	310	13.1	2.30	2.9	16	11.1	5.1	3.0
17	290	12.9	2.50	4.5	17	10.8	4.4	3.0
18	250	11.8	2.40	3.9	18	11.6	4.0	3.0
19	250	11.4	-	3.2	19	11.2	4.7	3.0
20	250	9.9	-	3.4	20	9.9	<4.1	3.0
21	270	8.9	-	2.8	21	9.3	3.1	2.4
22	270	8.4	-	2.8	22	9.3	2.8	2.6
23	300	8.0	-	2.7	23	9.3	3.4	2.8

Time: 150.0°W.  
Sweep: 2.2 Mc to 16.0 Mc in one minute.  
Median values.

Time	h <sup>o</sup> P2	F <sup>o</sup> P2	H <sup>o</sup> P1	F <sup>o</sup> P1	H <sup>o</sup> E	F <sup>o</sup> E	h <sup>o</sup> G5000	F <sup>o</sup> G5000
00	210	2.9	0.0	24.0	9.0	4.4	2.9	2.9
01	210	3.1	0.1	24.5	9.5	3.8	2.9	2.8
02	210	3.0	0.2	24.0	7.4	3.4	2.9	2.8
02	210	3.0	0.3	24.0	6.7	3.0	3.0	3.0
04	210	3.1	0.4	25.0	6.2	2.8	2.8	2.8
05	210	3.2	0.5	27.0	6.0	2.8	2.8	2.8
06	210	3.4	0.6	24.0	7.6	2.9	2.9	2.9
07	210	3.4	0.7	24.0	9.0	3.0	3.0	3.0
08	210	3.5	0.8	24.0	10.4	3.0	3.0	3.0
09	210	3.5	0.9	24.0	11.8	3.0	3.0	3.0
10	210	3.6	1.0	24.0	13.2	3.0	3.0	3.0
11	210	3.6	1.1	24.0	14.6	3.0	3.0	3.0
12	210	3.6	1.2	24.0	16.0	3.0	3.0	3.0
13	210	3.6	1.3	24.0	17.4	3.0	3.0	3.0
14	210	3.6	1.4	24.0	18.8	3.0	3.0	3.0
15	210	3.6	1.5	24.0	20.2	3.0	3.0	3.0
16	210	3.6	1.6	24.0	21.6	3.0	3.0	3.0
17	210	3.6	1.7	24.0	23.0	3.0	3.0	3.0
18	210	3.6	1.8	24.0	24.4	3.0	3.0	3.0
19	210	3.6	1.9	24.0	25.8	3.0	3.0	3.0
20	210	3.6	2.0	24.0	27.2	3.0	3.0	3.0
21	210	3.6	2.1	24.0	28.6	3.0	3.0	3.0
22	210	3.6	2.2	24.0	30.0	3.0	3.0	3.0
23	210	3.6	2.3	24.0	31.4	3.0	3.0	3.0

Time: 150.0°W.  
Sweep: Manual operation.  
Median values.

Time	h <sup>o</sup> P2	F <sup>o</sup> P2	H <sup>o</sup> P1	F <sup>o</sup> P1	H <sup>o</sup> E	F <sup>o</sup> E	h <sup>o</sup> G5000	F <sup>o</sup> G5000
00	210	2.9	0.0	24.0	9.0	4.4	2.9	2.9
01	210	3.1	0.1	24.5	9.5	3.8	2.9	2.8
02	210	3.0	0.2	24.0	7.4	3.4	2.9	2.8
02	210	3.0	0.3	24.0	6.7	3.0	3.0	3.0
04	210	3.1	0.4	25.0	6.2	2.8	2.8	2.8
05	210	3.2	0.5	27.0	6.0	2.8	2.8	2.8
06	210	3.4	0.6	24.0	7.6	2.9	2.9	2.9
07	210	3.4	0.7	24.0	9.0	3.0	3.0	3.0
08	210	3.5	0.8	24.0	10.4	3.0	3.0	3.0
09	210	3.5	0.9	24.0	11.8	3.0	3.0	3.0
10	210	3.6	1.0	24.0	13.2	3.0	3.0	3.0
11	210	3.6	1.1	24.0	14.6	3.0	3.0	3.0
12	210	3.6	1.2	24.0	16.0	3.0	3.0	3.0
13	210	3.6	1.3	24.0	17.4	3.0	3.0	3.0
14	210	3.6	1.4	24.0	18.8	3.0	3.0	3.0
15	210	3.6	1.5	24.0	20.2	3.0	3.0	3.0
16	210	3.6	1.6	24.0	21.6	3.0	3.0	3.0
17	210	3.6	1.7	24.0	23.0	3.0	3.0	3.0
18	210	3.6	1.8	24.0	24.4	3.0	3.0	3.0
19	210	3.6	1.9	24.0	25.8	3.0	3.0	3.0
20	210	3.6	2.0	24.0	27.2	3.0	3.0	3.0
21	210	3.6	2.1	24.0	28.6	3.0	3.0	3.0
22	210	3.6	2.2	24.0	30.0	3.0	3.0	3.0
23	210	3.6	2.3	24.0	31.4	3.0	3.0	3.0

Time: 150.0°W.  
Sweep: Manual operation.  
Median values.

Time	h<sup>o</sup>P2	F<sup>o</sup>P2	H<sup>o</sup>P1	F<sup>o</sup>P1	H<sup>o</sup>E	F<sup>o</sup>E	h<sup>o</sup>G5000	F<sup>o</sup>G5000



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Table 57 (Supersedes Table 15, CRPL-P-23)

Table 58

Christmas Island (1.90°N, 157.3°E)

May 1946

Brisbane, Australia (27°50'S, 153.0°E)

May 1946

Time	h 152	f 152	h 151	f 151	h 150	f 150	h 149	f 149	h 148	f 148	h 147	f 147	h 146	f 146
00	250	9.6			2.7	3.0			00	290	4.3			2.9
01	250	9.4			2.5	2.0			01	290	4.3			3.0
02	250	9.2			2.6	3.2			02	290	4.4			3.0
03	230	8.6			2.6	3.2			03	270	4.6			2.0
04	220	7.6			2.3	3.2			04	260	4.2			3.0
05	220	6.2			2.1	3.2			05	265	3.7			3.1
06	250	5.6			2.1	3.0			06	250	4.3			3.2
07	260	6.7			3.7	2.9			07	220	7.5			2.5
08	240	8.6			2.4	3.7			08	220	9.0			2.5
09	220	9.5			3.1	6.2			09	230	10.2			3.5
10	290	9.9	215	5.0	7.0	2.6	09	230	10.3	210	10.5	3.1	3.4	3.4
11	310	9.8	220	5.0	7.7	2.5	10	240	10.2	200	5.0	3.4	3.0	3.3
12	220	10.2	210	5.1	8.4	2.4	11	240	10.2	200	5.0	3.4	3.2	3.2
13	320	10.5	210	5.1	8.5	2.4	12	260	10.2	200	5.0	3.4	3.2	3.2
14	240	10.5	210	5.1	8.6	2.4	13	260	10.0	200	5.0	3.4	3.2	3.2
15	220	10.6	210	5.0	8.7	2.3	14	250	10.5	205	4.7	3.2	3.2	3.2
16	220	10.8	215	4.5	8.8	2.3	15	260	10.4	205	120	3.0	3.2	3.2
17	220	10.1	110	3.0	3.4	2.2	16	230	9.9	120	2.7	2.7	3.2	3.2
18	260	9.9	242	5.2	7.5	2.4	17	220	9.5	120	2.7	2.7	3.2	3.2
19	310	9.5	214	5.2	5.2	2.4	18	220	6.5	220	6.5	2.2	2.2	2.2
20	345	9.0	210	5.0	3.0	2.4	19	240	6.5	220	6.5	2.2	2.2	2.2
21	330	8.8	222	5.5	1.8	2.4	20	260	5.1	220	5.1	2.1	2.1	2.1
22	300	9.2	230	5.2	2.5	2.4	21	270	5.2	220	5.2	3.0	3.0	3.0
23	280	9.6	240	5.6	2.6	2.6	22	255	5.0	220	5.2	2.9	2.9	2.9

Time: 150.0°E.  
Sweep: 1.5 Mc to 13.0 Mc in one minute, thirty seconds.  
Median values.

Table 59

Canberra, Australia (35.3°S, 149.0°E)

May 1946

Brisbane, Australia (27°50'S, 153.0°E)

May 1946

Time	h 152	f 152	h 151	f 151	h 150	f 150	h 149	f 149	h 148	f 148	h 147	f 147	h 146	f 146
00	(300)	4.0			4.0		00	270	3.2			3.2	3.1	3.1
01	(305)	4.2			3.6		01	280	3.2			3.0	3.0	3.0
02	315	4.0			4.0		02	275	4.0			3.4	3.4	3.2
03	(300)	4.4			3.7		03	275	4.4			2.8	2.8	2.8
04	(280)	4.4			2.8		04	260	4.4			3.0	3.0	3.0
05	(260)	3.8			2.4		05	245	4.4			3.0	3.0	3.0
06	(280)	3.6			2.4		06	245	3.3			3.2	3.2	3.2
07	250	4.8			2.6		07	250	3.5			3.2	3.2	3.2
08	250	7.4			2.6		08	225	6.1			2.8	2.8	2.8
09	(250)	6.5			3.1		09	229	7.5			3.5	3.5	3.5
10	(270)	8.8	250	4.6	3.2		10	245	8.6			2.9	2.9	2.9
11	(260)	6.9	230	4.5	3.1		11	250	8.8			3.4	3.4	3.4
12	265	8.8	230	4.5	3.4		12	250	9.7			3.2	3.2	3.2
13	265	9.0	230	4.6	3.4		13	250	9.8			3.1	3.1	3.1
14	270	9.2	250	4.6	105		14	250	10.2			3.0	3.0	3.0
15	250	9.2	245	3.9	105		15	230	9.6			2.6	2.6	2.6
16	250	9.0			100	2.5	16	225	9.5			2.3	2.3	2.3
17	240	8.0			2.7		17	220	8.5			2.8	2.8	2.8
18	250	6.4			3.1	3.0	18	220	6.9			2.6	2.6	2.6
19	260	5.7			2.6	2.6	19	225	5.5			3.2	3.2	3.2
20	265	4.8			2.6	2.6	20	240	4.5			2.5	2.5	2.5
21	285	4.5			2.7		21	250	3.6			3.2	3.2	3.2
22	300	4.2			2.7		22	250	3.4			2.6	2.6	2.6
23	300	4.0			2.8		23	260	3.2			2.6	2.6	2.6

Time: 150.0°E.  
Sweep: 2.2 Mc to 12.5 Mc in two minutes, thirty seconds.  
Median values.

Table 60

Rotterdam, "Heslania (42.5°S, 147.4°E)

May 1946

Brisbane, Australia (27°50'S, 153.0°E)

May 1946

Time	h 152	f 152	h 151	f 151	h 150	f 150	h 149	f 149	h 148	f 148	h 147	f 147	h 146	f 146
00	00	270	3.2				00	270	3.2			3.2	3.1	3.1
01	01	280	3.2				01	280	3.2			3.0	3.0	3.0
02	02	275	4.0				02	275	4.0			3.4	3.4	3.2
03	03	275	4.4				03	275	4.4			2.8	2.8	2.8
04	04	260	4.4				04	260	4.4			3.0	3.0	3.0
05	05	245	4.4				05	245	4.4			3.0	3.0	3.0
06	06	245	3.3				06	245	3.3			3.2	3.2	3.2
07	07	250	3.5				07	250	3.5			3.2	3.2	3.2
08	08	225	6.1				08	225	6.1			2.8	2.8	2.8
09	09	229	7.5				09	229	7.5			3.5	3.5	3.5
10	10	245	8.6				10	245	8.6			2.9	2.9	2.9
11	11	250	8.8				11	250	8.8			3.4	3.4	3.4
12	12	250	9.7				12	250	9.7			3.2	3.2	3.2
13	13	250	10.5				13	250	10.5			3.0	3.0	3.0
14	14	250	10.5				14	250	10.5			3.0	3.0	3.0
15	15	230	9.4				15	230	9.4			2.6	2.6	2.6
16	16	250	9.0				16	225	9.5			2.3	2.3	2.3
17	17	240	8.0				17	220	8.5			2.8	2.8	2.8
18	18	250	6.4				18	220	6.9			2.6	2.6	2.6
19	19	260	5.7				19	225	5.5			3.2	3.2	3.2
20	20	265	4.8				20	240	4.5			2.5	2.5	2.5
21	21	285	4.5				21	250	3.6			3.2	3.2	3.2
22	22	300	4.2				22	250	3.4			2.6	2.6	2.6
23	23	300	4.0				23	260	3.2			2.6	2.6	2.6

Time: 150.0°E.  
Sweep: 1.6 Mc to 12.5 Mc in two minutes.  
Median values.

Time: 150.0°E.  
Sweep: 1.0 Mc to 13.0 Mc in one minute, fifty-five seconds.  
Median values.

Christiansburg, W. Va. (40.5°N, 172.6°E)		May 1943	
Time	IRP <sub>2</sub>	IRP <sub>1</sub>	IRP <sub>3</sub>
00	290	3.6	3.0
01	290	3.7	3.0
02	280	3.7	3.0
03	280	3.4	3.0
04	270	3.4	3.0
05	250	3.2	2.6
06	265	2.8	2.0
07	250	4.4	2.0
08	235	6.4	2.0
09	235	7.0	2.0
10	240	8.8	2.0
11	250	8.6	2.0
12	260	9.0	2.0
13	260	9.9	2.0
14	250	9.7	2.0
15	240	9.4	2.0
16	235	8.9	2.0
17	230	7.6	2.0
18	240	6.6	2.0
19	250	5.8	2.0
20	260	5.0	2.0
21	250	4.4	2.0
22	270	4.0	2.0
23	280	3.6	2.0

Time: 172.5°E.  
Sweep: 1.0 Mc to 13.0 Mc. Automatic.  
Median values.

Time: 90.0°E.  
Sweep: 2.0 Mc to 16.0 Mc in one minute.  
Median values.

Table 62 (Supersedes Table 17, IRP-172)

Peiping, China (39.5°E, 116.5°E)		May 1943	
Time	IRP <sub>2</sub>	IRP <sub>1</sub>	IRP <sub>3</sub>
00	(6.3)	(6.3)	(6.3)
01	(5.5)	(5.5)	(5.5)
03	(6.0)	(6.0)	(6.0)
04	(4.5)	(4.5)	(4.5)
05	(4.6)	(4.6)	(4.6)
06	(7.0)	(7.0)	(7.0)
07	8.1	8.1	8.1
08	(6.8)	(6.8)	(6.8)
09			
10	(11.0)	(11.0)	(11.0)
11	(11.0)	(11.0)	(11.0)
12	11.0	11.0	11.0
13	11.0	11.0	11.0
14	(11.0)	(11.0)	(11.0)
15	9.3	9.3	9.3
16	9.0	9.0	9.0
17	(9.0)	(9.0)	(9.0)
18	8.5	8.5	8.5
19	6.0	6.0	6.0
20	(7.5)	(7.5)	(7.5)
21			
22			
23	(6.3)	(6.3)	(6.3)

Table 62 (Supersedes Table 16, IRP-172)

Ilocos, Philippines (11.0°N, 125.0°E)		May 1945	
Time	IRP <sub>2</sub>	IRP <sub>1</sub>	IRP <sub>3</sub>
00	(13.0)	(13.0)	(13.0)
01	(11.1)	(11.1)	(11.1)
02	6.5	6.5	6.5
03	7.5	7.5	7.5
04	6.0	6.0	6.0
05	5.1	5.1	5.1
06	4.5	4.5	4.5
07	7.3	7.3	7.3
08	10.1	10.1	10.1
09	11.4	11.4	11.4
10	11.0	11.0	11.0
11	10.3	10.3	10.3
12	10.2	10.2	10.2
13	10.9	10.9	10.9
14	10.4	10.4	10.4
15	11.3	11.3	11.3
16	12.1	12.1	12.1
17	12.6	12.6	12.6
18	12.5	12.5	12.5
19	12.5	12.5	12.5
20	10.6	10.6	10.6
21	(10.7)	(10.7)	(10.7)
22			
23	(6.3)	(6.3)	(6.3)

Time: 120.0°E.  
Median values.

Time: 135.0°E.  
Steep's Manual operation.  
Median values.

Table 66

Singapore, Brit. Malaya (1°35' S., 103° E.) April 1946

Brisbane, Australia (37°55' S., 153°07' E.) April 1944

Table 66

Time	h 112	102	91	81	71	61	51	41	31	21	11
00	11.1										
01	10.3										
02	9.4										
03	8.4										
04	7.9										
05	7.1										
06	6.6										
07	6.3										
08	11.6										
09	12.0										
10	11.9										
11	11.0										
12	11.1										
13	11.9										
14	12.1										
15	12.0										
16	12.0										
17	12.0										
18	12.0										
19	11.9										
20	11.8										
21	11.9										
22	11.8										
23	11.5										

Time: 112.5° E.  
Sweep: 1.1 Mc to 15.0 Mc in ten to fifteen minutes. Manual operation.  
Median values.

Table 67

Time	h 112	102	91	81	71	61	51	41	31	21	11
00	4.3										
01	4.3										
02	4.2										
03	3.9										
04	4.0										
05	4.0										
06	4.2										
07	6.5										
08	8.2										
09	9.5										
10	10.9										
11	12.2										
12	11.4										
13	11.0										
14	9.3										
15	9.4										
16	8.8										
17	8.0										
18	7.2										
19	5.5										
20	4.7										
21	4.4										
22	4.2										
23	4.1										

Time: 60.0° E.  
Median values.  
• Data sheet labeled "Extent of E." See this issue, page 6, last paragraph.

Time: 112.5° E.  
Sweep: 1.1 Mc to 15.0 Mc in ten to fifteen minutes. Manual operation.  
Median values.

Table 68

Time	h 112	102	91	81	71	61	51	41	31	21	11
00	270	6.3									
01	270	6.2									
02	260	5.8									
03	240	5.4									
04	260	4.5									
05	270	4.4									
06	240	5.2									
07	210	8.5									
08	220	9.4									
09	210	11.0									
10	230	11.5									
11	245	11.5									
12	240	11.4									
13	265	11.6									
14	225	11.9									
15	230	11.5									
16	230	11.0									
17	220	10.2									
18	230	8.6									
19	230	7.4									
20	260	7.2									
21	255	7.0									
22	260	6.2									
23	270	6.2									

Time: 160.0° E.  
Sweep: 2.2 Mc to 12.5 Mc in two minutes, thirty seconds.  
Median values.

Table 69

Time	h 112	102	91	81	71	61	51	41	31	21	11
00	0.0										
01	0.1										
02	0.2										
03	0.3										
04	0.4										
05	0.5										
06	0.6										
07	0.7										
08	0.8										
09	0.9										
10	10.9										
11	12.2										
12	11.4										
13	11.0										
14	9.3										
15	9.4										
16	8.8										
17	8.0										
18	7.2										
19	5.5										
20	4.7										
21	4.4										
22	4.2										
23	4.1										

Time: Local.  
Sweep: Manual operation.  
• W3000, average values; other columns, median values.  
\* Height at 0.83 Mc/2.

Time: Local.  
Sweep: Manual operation.  
• W3000, average values; other columns, median values.  
\* Height at 0.83 Mc/2.

Table 69

Delhi, India (28.6°N, 77.1°E)

March 1946

Bombay, India (19.0°N, 72.8°E)

March 1946

Table 70

Time  $\sigma_{\text{R}(\text{F})}$   $\sigma_{\text{R}(\text{T})}$   $\sigma_{\text{R}(\text{F})}$   $\sigma_{\text{R}(\text{T})}$   $\sigma_{\text{R}(\text{F})}$   $\sigma_{\text{R}(\text{T})}$   $\sigma_{\text{R}(\text{F})}$   $\sigma_{\text{R}(\text{T})}$ Time  $\sigma_{\text{R}(\text{F})}$   $\sigma_{\text{R}(\text{T})}$   $\sigma_{\text{R}(\text{F})}$   $\sigma_{\text{R}(\text{T})}$   $\sigma_{\text{R}(\text{F})}$   $\sigma_{\text{R}(\text{T})}$   $\sigma_{\text{R}(\text{F})}$   $\sigma_{\text{R}(\text{T})}$ 

Time	$\sigma_{\text{R}(\text{F})}$	$\sigma_{\text{R}(\text{T})}$	$\sigma_{\text{R}(\text{F})}$	$\sigma_{\text{R}(\text{T})}$	$\sigma_{\text{R}(\text{F})}$	$\sigma_{\text{R}(\text{T})}$	$\sigma_{\text{R}(\text{F})}$	$\sigma_{\text{R}(\text{T})}$
00	280	6.0			2.6		50	
01	290	5.2			61			
02	270	6.2			62			
03	220	4.4			63			
04	220	4.4			64			
05	370	4.5			65			
06	240	5.6			70		4.8	
07	350	8.2			70		5.6	
08	360	9.6			70		11.0	
09	320	11.2			70		12.7	
10	260	12.2			70		13.7	
11	350	12.6			70		14.3	
12	350	13.1			70		14.6	
13	350	(13.0)			70		14.4	
14	350	(13.0)			70		14.3	
15	350	12.9			70		14.4	
16	350	12.6			70		14.6	
17	360	12.6			70		14.3	
18	350	11.8			70		14.2	
19	350	12.0			70		14.1	
20	350	12.0			70		14.0	
21	375	13.6			70		13.6	
22	350	6.8			70		11.9	
23	350	6.8			70			

Place: Local.

Stop: Manual operation.

RGOO, average values; other columns, median values.

e Height at 0.83  $\sigma^2\text{TF}_2$ .

Place: Local.

Stop:

RGOO, average values; other columns, median values.

e Height at 0.83  $\sigma^2\text{TF}_2$ .

Table 71

Madras, India (13.6°N, 80.3°E)

March 1946

Singapore, Malaya (1.35°N, 103.6°E)

March 1946

Table 71

Time  $\sigma_{\text{R}(\text{F})}$   $\sigma_{\text{R}(\text{T})}$   $\sigma_{\text{R}(\text{F})}$   $\sigma_{\text{R}(\text{T})}$   $\sigma_{\text{R}(\text{F})}$   $\sigma_{\text{R}(\text{T})}$   $\sigma_{\text{R}(\text{F})}$   $\sigma_{\text{R}(\text{T})}$ Time  $\sigma_{\text{R}(\text{F})}$   $\sigma_{\text{R}(\text{T})}$   $\sigma_{\text{R}(\text{F})}$   $\sigma_{\text{R}(\text{T})}$   $\sigma_{\text{R}(\text{F})}$   $\sigma_{\text{R}(\text{T})}$   $\sigma_{\text{R}(\text{F})}$   $\sigma_{\text{R}(\text{T})}$ 

Time	$\sigma_{\text{R}(\text{F})}$	$\sigma_{\text{R}(\text{T})}$	$\sigma_{\text{R}(\text{F})}$	$\sigma_{\text{R}(\text{T})}$	$\sigma_{\text{R}(\text{F})}$	$\sigma_{\text{R}(\text{T})}$	$\sigma_{\text{R}(\text{F})}$	$\sigma_{\text{R}(\text{T})}$
00	200	9.2			2.9		10.2	
01					62		6.9	
02					62		7.9	
03					63		7.3	
04					64		6.7	
05					65		6.2	
06					65		6.6	
07					67		6.0	
08	260	10.0			68		10.4	
09	300	16.6			69		11.2	
10	420	11.6			10		11.4	
11	420	18.0			11		11.4	
12	420	10.3			12		10.6	
13	420	10.5			13		11.4	
14	420	10.8			14		11.9	
15	420	11.6			15		12.0	
16	420	12.8			16		12.0	
17	420	12.8			17		12.0	
18	420	12.4			18		11.6	
19	420	13.2			19		11.5	
20	320	11.4			20		11.6	
21	350	11.6			21		11.3	
22	350	11.0			22		11.3	
23	350	10.8			23		10.7	

Place: Local.

Stop:

RGOO, average values; other columns, median values.

e Height at 0.83  $\sigma^2\text{TF}_2$ .

Place: Local.

Stop: Manual operation.

RGOO, average values; other columns, median values.

e Height at 0.83  $\sigma^2\text{TF}_2$ .

Place: Local.

Stop: Manual operation.

RGOO, average values; other columns, median values.

e Height at 0.83  $\sigma^2\text{TF}_2$ .

Place: Local.

Stop: Manual operation.

RGOO, average values; other columns, median values.

e Height at 0.83  $\sigma^2\text{TF}_2$ .

Place: Local.

Stop: Manual operation.

RGOO, average values; other columns, median values.

e Height at 0.83  $\sigma^2\text{TF}_2$ .

Table 7

Pondicherry, India (36°N, 71°E)

February 1946

Time	h <sub>1/2</sub>	f <sub>1/2</sub>	h <sub>1</sub>	f <sub>1</sub>	h <sub>3</sub>	f <sub>3</sub>	h <sub>5</sub>	f <sub>5</sub>	h <sub>7</sub>	f <sub>7</sub>	h <sub>9</sub>	f <sub>9</sub>	h <sub>11</sub>	f <sub>11</sub>	h <sub>13</sub>	f <sub>13</sub>	h <sub>15</sub>	f <sub>15</sub>	h <sub>17</sub>	f <sub>17</sub>	h <sub>19</sub>	f <sub>19</sub>	h <sub>21</sub>	f <sub>21</sub>	h <sub>23</sub>	f <sub>23</sub>
00																										
01																										
02																										
03																										
04																										
05																										
06																										
07	6.5																									
08	7.0	6.5																								
09	7.0	8.4																								
10	300	9.5																								
11	300	10.4																								
12	300	10.3																								
13	300	9.3																								
14	300	9.4																								
15	300	9.2																								
16	300	8.7																								
17	300	8.4																								
18	300	7.5																								
19	300	6.4																								
20	300	5.1																								
21	300	4.0																								
22	315	3.7																								
23	330	3.4																								

Time: Local.  
 Sweep: Manual operation.  
 M3000, average values; other columns, median values.  
 \* Height at 0.83 f<sub>1/2</sub>.  
 \*\* Height at 0.83 f<sub>17</sub>.

Name: Local  
 Cover: Manual operation.  
 Position value.  
 \* Height at 0.83 f<sub>1/2</sub>.

Hedras, India (30°N, 60°E)

February 1946

Time	h <sub>1/2</sub>	f <sub>1/2</sub>	h <sub>1</sub>	f <sub>1</sub>	h <sub>3</sub>	f <sub>3</sub>	h <sub>5</sub>	f <sub>5</sub>	h <sub>7</sub>	f <sub>7</sub>	h <sub>9</sub>	f <sub>9</sub>	h <sub>11</sub>	f <sub>11</sub>	h <sub>13</sub>	f <sub>13</sub>	h <sub>15</sub>	f <sub>15</sub>	h <sub>17</sub>	f <sub>17</sub>	h <sub>19</sub>	f <sub>19</sub>	h <sub>21</sub>	f <sub>21</sub>	h <sub>23</sub>	f <sub>23</sub>
00																										
01	323	11.1																								
02	315	10.5																								
03	300	9.0																								
04	300	8.3																								
05	370	5.5																								
06	280	5.0																								
07	300	5.6																								
08	300	7.1																								
09	300	9.8																								
10	300	11.2																								
11	300	12.6																								
12	360	13.0																								
13	390	13.4																								
14	390	13.9																								
15	360	13.7																								
16	350	13.9																								
17	350	14.2																								
18	350	13.9																								
19	350	13.7																								
20	350	13.1																								
21	350	13.2																								
22	315	12.1																								
23	338	11.4																								

Time: Local.  
 Sweep: Manual operation.  
 M3000, average values; other columns, median values.  
 \* Height at 0.83 f<sub>1/2</sub>.  
 \*\* Height at 0.83 f<sub>17</sub>.

Name: Local  
 Cover: Manual operation.  
 Position value.  
 \* Height at 0.83 f<sub>1/2</sub>.

Bombay, India (19°N, 73°E)

February 1946

Time	h <sub>1/2</sub>	f <sub>1/2</sub>	h <sub>1</sub>	f <sub>1</sub>	h <sub>3</sub>	f <sub>3</sub>	h <sub>5</sub>	f <sub>5</sub>	h <sub>7</sub>	f <sub>7</sub>	h <sub>9</sub>	f <sub>9</sub>	h <sub>11</sub>	f <sub>11</sub>	h <sub>13</sub>	f <sub>13</sub>	h <sub>15</sub>	f <sub>15</sub>	h <sub>17</sub>	f <sub>17</sub>	h <sub>19</sub>	f <sub>19</sub>	h <sub>21</sub>	f <sub>21</sub>	h <sub>23</sub>	f <sub>23</sub>
00																										
01	323	11.1																								
02	300	10.5																								
03	300	9.0																								
04	300	8.3																								
05	370	5.5																								
06	280	5.0																								
07	300	5.6																								
08	300	7.1																								
09	300	9.8																								
10	300	11.2																								
11	300	12.6																								
12	360	13.0																								
13	390	13.4																								
14	390	13.9																								
15	360	13.7																								
16	350	13.9																								
17	350	14.2																								
18	350	13.9																								
19	350	13.7																								
20	350	13.1																								
21	350	13.2																								
22	315	12.1																								
23	338	11.4																								

Time: Local.  
 Sweep: Manual operation.  
 M3000, average values; other columns, median values.  
 \* Height at 0.8

TABLE 77  
IONOSPHERE DATA—I  
*Washington D. C.*

Ionosphere Section

Washington, D.C.

Ionosphere Section

IONOSPHERE DATA - I

National Bureau Of Standards

Hourly values of  $F_E$  for July 196

Records measured by: J. M. C.

**TABLE 78**  
**IONOSPHERE DATA-2**

Washington, D.C. Ionosphere Station  
 (Institution)

National Bureau Of Standards

hourly values of  $f_0 F_{2,10}$  for July 1946  
 (Month)

TIME: 75°W MERIDIAN

Record measured by: J.M.C.  
 J.L.S.

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	6.1	5.5	5.2	4.7	4.9	4.5	5.4	(6.3)	6.5	[6.2]K	C	<5.3	5.5	5.7	(5.4)K	A	6.2	6.1	6.4	6.5	6.4	6.5	(6.4)		
2	5.7	5.6	(5.6)	[4.9]A	3.7F	3.9	4.9	5	5.5	[6.0]C	C	?	6.5	6.6	6.9	7.0	7.0	6.9	(7.2)	7.7	7.3	(7.8)	6.6		
3	(6.0)F	(5.8)	5.6	(5.2)	(4.5)	(3.9)F	(4.0)	4.4	<4.4	<4.5	<4.7	5.0	5.0	5.4	5.7	[5.7]K	(6.0)K	6.2	6.1	6.1	6.1	6.1	6.2	(5.8)	
4	5.6	[5.1]C	4.7	4.3F	3.6F	4.6	6.4	6.4	8.3	8.0	7.8	7.9	7.2	7.8	7.6	7.6	7.3	7.3	7.3	7.3	7.3	7.3	6.6		
5	6.3	6.0	5.6	5.0	4.6F	(4.8)	6.0	[7.0]C	7.8	3.4	(8.9)F	8.4	8.3	8.1	8.5	8.6	8.6	8.5	(8.3)	8.4	8.4	8.4	6.7		
6	(5.9)F	(5.5)	5.3	5.0	4.5F	(5.7)	6.4	6.8	7.0	8.0	7.7	7.7	7.8	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	6.7		
7	(6.0)F	4.7F	5.0F	4.9F	4.9F	(4.9)K	4.1F	4.5F	5.0F	5.3F	(6.1)F	[5.5]K	[5.8]F	[5.8]F	[5.7]F	(5.9)F	[5.9]F	6.6	7.0	7.4F	8.0	8.4	8.0	7.6	
8	(5.8)	5.5	4.3	3.6	3.5	3.6	(4)	<4.3	6.0	[5.0]F	(4.9)K	(5.5)K	(5.5)K	(5.5)K	(5.5)K	(5.7)F	(5.8)F	(5.8)F	(6.1)F	(6.3)K	6.5	6.2	(6.0)F		
9	5.7	5.5	(4.2)	3.0	3.5	3.8	7.7	5.0	[5.1]F	(5.4)F	(5.3)F	(5.4)F	(5.9)K	6.0	K	(6.0)F	(6.1)F								
10	(5.5)F	(4.9)	4.2	(3.8)	2.9F	3.4	(4.2)	4.7	(5.3)	(5.5)	[5.9]C	(6.3)F	(6.4)	(6.1)	(6.1)	(6.2)F	(6.2)F								
11	(5.8)F	(5.5)	5.3	++	4.0	3.9	4.7	(5.7)F	7.1	6.8	(6.7)F	(6.8)	(6.8)	(6.8)	(6.8)	(6.8)	(6.8)	(6.8)	(6.8)	(6.8)	(6.8)	(6.8)	(6.8)	6.0	
12	4.9	(4.7)F	3.8	3.5F	(3.6)F	(3.6)F	(3.6)F	3.5	4.3	7.9	5.4	(6.5)F	(6.2)	(6.0)F	(5.5)										
13	(5.3)	(5.2)	5.2F	(3.9)F	(3.6)F	(3.7)	4.7	5.0	5.3	5.7	[5.7]C	5.7	[5.7]C	5.7	[5.7]C	(6.0)F	(5.8)F								
14	(5.3)	4.6F	4.4	3.9F	3.6F	4.2	4.9	(5.6)F	5.7	[5.9]C	(6.3)F	(6.4)	(6.4)	(6.4)	(6.4)	(6.4)									
15	4.6F	4.3F	4.4	4.2F	3.9F	4.0	4.6	4.9	(5.5)	5.8	6	6	6	6	6	6	6	6	6	6	6	6	6	6.0	
16	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C		
17	6.6	5.7	5.7	4.8	(4.7)	3.7	3.6	4.5	5.2	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.6	
18	(5.0)F	5.0F	(4.9)	(3.6)F	(3.5)F	4.0	4.7	5.0	[5.8]A	6.0	[5.9]A	(5.6)F	(5.6)												
19	6.6	F	(5.3)F	(3.3)F	(2.5)F	(2.1)F	3.2F	<3.6	6.8	<4.0	<4.3	<4.5	<4.5	<4.5	<4.5	(4.7)F	4.3K								
20	(3.5)F	3.4F	3.3F	(2.4)F	(2.3)F	3.6F	5.4F	5.2F	5.3F	5.2F	(5.6)F	C	C	C	C	C	C	C	C	C	C	C	C	C	
21	5.2	4.9	7.7	4.4	4.3	4.5	5.0	5.4	(5.7)	(5.6)	(6.0)	B	B	B	B	B	B	B	B	B	B	B	B	B	
22	(5.4)	5.0	4.6F	4.2	4.3	5.0	5.6	(6.0)F	6.0	[6.3]C	[6.1]C	[6.0]C	[6.2]C												
23	4.7	4.3	+2	3.5	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	
24	5.7	5.4	5.0	4.5F	4.5F	(4.5)F	(6.2)	7.1	(8.2)	9.0	8.7	8.9	8.6	8.8	8.7	8.7	8.9	8.9	9.0	(8.8)F	(8.5)	C	C	C	
25	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	
26	6.0	5.4F	5.0F	(5.1)F	(4.8)F	(4.5)F	4.9F	(4.7)F	5.7F	(5.9)F	(6.0)C	C	C	C	C	C	C	C	C	C	C	C	C	C	
27	B	K	B	K	B	K	B	K	2.8	K	(3.8)F														
28	3.3	F	(2.8)F	2.5F	2.3F	(2.1)F	(3.2)F	5.0	5.5	5.1	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	
29	(5.8)F	(4.9)	3.5F	(2.4)F	(2.3)F	3.2F	4.3	<4.7	5.0	(5.6)	C	C	C	C	C	C	C	C	C	C	C	C	C	C	
30	5.0F	4.4F	3.7F	2.8F	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	
31	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	
Sum	Median	5.7	5.1	4.7	4.2	3.7	3.9	4.7	5.0	5.6	6.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	
Count	27	27	27	27	25	25	26	26	26	31	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27

Median 5.7  
 Count 27

6.7  
 27



TABLE 80  
IONOSPHERE DATA - 4

Washington, D.C. Ionosphere Station  
(Established)

National Bureau Of Standards  
(Established)

TIME: 75° W MERIDIAN  
Hourly values of  $h_{F_1}$  in km for July 1946  
(Month)

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																								
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23																								
24																								
25																								
26																								
27																								
28																								
29																								
30																								
31																								
Sum																								
Median																								
Count	22	23	24	25	26	27	28	29	27	26	27	25	24	24	22	22	22	22	22	19				

Recd. at Bureau July 1, 1946  
J. M. G.

Recd. at Bureau July 1, 1946  
J. L. S.

TABLE 81  
IONOSPHERE DATA - 5

Washington, D.C.

National Bureau Of Standards

TIME: 75°W MERIDIAN

ପ୍ରକାଶନ କମିଶନ୍ସ ପତ୍ର, ପ୍ରକାଶନ କମିଶନ୍ସ

July 1946  
(Month)



TABLE 83  
NOOSPHERE DATA - T

Washington, D.C. Longshore section  
(Instituted)

National Bureau Of Standards \_\_\_\_\_  
(Institutional)

BIBLIOGRAPHY OF STANDARDS 1946

Records measured by: J. R. C.  
J. L. S.

TABLE 84  
IONOSPHERE DATA - 8

Washington, D.C. Ionosphere station

Washington, D.C.  
[Location]      National Bureau Of Standards

TABLE 85  
IONOSPHERE DATA - 9

Washington, D.C.  
(Institution)  
National Bureau of Standards  
(Institution)

Ionosphere Station

TIME: 75°W MERIDIAN  
Location

Sunspot number or F2 = 14150000  
(KELVIN)

Periods measured by J. M. G.  
J. L. S.

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	1.3	1.9	1.8	1.7	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	
2	1.7	1.7	1.6	A	1.7	1.7	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
3	1.7	1.7	1.7	1.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
4	1.8	C	1.8	1.9F	1.8F	2.0	2.0	1.9	1.8	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
5	1.8	1.9	1.9	1.9	1.9F	2.0	2.1	C	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
6	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
7	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
8	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
9	1.8	2.0	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
10	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
11	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
12	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
13	1.9	1.8F																							
14	1.9	2.0	2.0F																						
15	1.7	1.6F	1.8	1.7F	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
16	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	
17	1.8	1.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
18	1.8	1.8F																							
19	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
20	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
21	1.7	1.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
22	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
23	1.9	1.7	1.8	1.8	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	
24	1.8	1.8	1.7	1.8F																					
25	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	
26	1.8	1.7	1.7	1.7	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
27	B	K	B	K	B	K	B	K	B	K	B	K	B	K	B	K	B	K	B	K	B	K	B	K	
28	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
29	1.8	1.7	1.7	1.6F																					
30	1.9	1.7F	1.8F	1.7F	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	
31	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	
Median	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
Count	27	26	27	26	25	26	26	25	26	26	25	26	26	25	26	26	25	26	26	25	26	25	26	25	26

TABLE 86  
IONOSPHERE DATA - 10  
National Bureau Of Standards

(Transmission) (Location)

TIME: 75°W MERIDIAN

Bulletin values of F2-M3000 for July 1946  
(bonita)

Record measured by: J. R. G.  
W.L. S.

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	2.8	2.9	2.8	2.7	2.7	2.7	2.8	(2.8) <sup>x</sup>	2.8	C	C	G	x	(2.4) <sup>x</sup>	(2.6) <sup>x</sup>	A	x	2.7	2.6	2.7	2.8	2.6	(2.7)	(2.7)	
2	2.7	2.6	(2.6)	A	(2.6)	2.6	2.7	2.7	2.7	(2.9)	C	C	C	2.6	2.5	2.6	2.7	2.8	2.6	(2.7)	2.7	2.7	(2.7)		
3	(2.6) <sup>x</sup>	(2.7)	2.6	(2.7)	(2.5)	(2.5) <sup>x</sup>	(2.5)	2.5	G	K	G	K	G	x	2.4	2.6	K	(3.0) <sup>x</sup>	2.9	2.8	2.8	2.8	2.7	(2.8) <sup>x</sup>	(2.7)
4	2.7	C	2.8	2.7	2.7	3.0	3.0	2.9	2.8	2.9	(3.0)	3.0	2.7	2.7	2.7	2.6	2.7	2.8	2.8	2.7	2.9	2.8	(2.6)	2.7	
5	2.8	2.8	2.8	2.9	2.8	2.8 <sup>x</sup>	(3.0)	3.1	C	2.9	2.7	(3.0) <sup>y</sup>	2.7	2.7	2.6	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	(2.8)	
6	(2.8) <sup>y</sup>	(2.8)	2.7	2.7	2.7	2.8 <sup>x</sup>	(2.9)	2.9	2.6	2.6	2.6	2.6	2.6	2.7	2.7	2.7	2.8	2.7	2.8	2.8	2.8	2.8	2.8	(2.7) <sup>y</sup>	
7	(2.7) <sup>x</sup>	2.5 <sup>x</sup>	2.6	K	2.5 <sup>x</sup>	2.6 <sup>x</sup>	2.4 <sup>x</sup>	2.4 <sup>x</sup>	2.5 <sup>x</sup>	(2.7) <sup>y</sup>	(2.2) <sup>x</sup>	2.5 <sup>x</sup>	C	x	(2.5) <sup>x</sup>	(2.2) <sup>x</sup>	2.5 <sup>x</sup>	2.5 <sup>x</sup>	2.5 <sup>x</sup>	2.6	K	C	2.5 <sup>x</sup>	2.7	
8	(2.6)	2.6	2.5	2.5	2.5	2.7	(2.7)	G	C	K	(2.3) <sup>x</sup>	(2.6) <sup>x</sup>	(2.6) <sup>x</sup>	(2.9) <sup>x</sup>	(2.2) <sup>x</sup>	(2.3) <sup>x</sup>	(2.6) <sup>x</sup>	(2.4) <sup>x</sup>	(2.7) <sup>x</sup>	(2.8) <sup>x</sup>	(2.9) <sup>x</sup>	(2.8) <sup>y</sup>	(2.7)		
9	2.7	3.0	(2.8)	2.7	2.6	2.7	2.6	2.7	C	K	(2.5) <sup>x</sup>	C	x	(2.4) <sup>x</sup>	(2.6) <sup>x</sup>	B	K	(2.6) <sup>x</sup>	(2.5) <sup>x</sup>	2.4	K	(2.7) <sup>x</sup>	(2.7) <sup>x</sup>	(2.7)	
10	(2.7)	(2.6)	(2.7)	(2.6)	(2.6)	(2.7)	(2.6)	(2.7)	2.3	(2.4) <sup>x</sup>	(2.7)	(2.4) <sup>x</sup>													
11	(2.8) <sup>y</sup>	(2.9)	2.8	2.8	2.5	2.6	2.6	2.6	(2.8) <sup>y</sup>	3.0	2.5	C	(2.5)	(2.5)	(2.7)	C	(2.8)	2.8	2.8	2.7	(2.9) <sup>y</sup>	(2.8)	2.8	(2.8)	
12	2.7	(2.7) <sup>x</sup>	2.6	2.6	2.6	2.8	2.8	2.7	(2.7)	(2.8)	(2.9)	(2.8)	(2.8)	(2.8)	(2.8)	(2.8)	C	(2.8)	2.8	2.8	2.9	(2.9) <sup>y</sup>	(2.8)	(2.7)	
13	(2.8)	(2.8)	2.8	2.8	2.8	(2.8)	(3.0)	3.1	2.5	2.7	2.8	C	2.6	(2.6)	C	2.6	(2.7)	2.8	2.8	(3.0)	(3.0)	(3.0)	(3.0)	(2.9) <sup>y</sup>	
14	(2.8)	2.8 <sup>x</sup>	2.9	3.0 <sup>x</sup>	2.7 <sup>x</sup>	3.0	3.0	(3.0) <sup>x</sup>	(2.5)	(2.5)	(2.8)	C	(2.9) <sup>y</sup>	(2.4)	(2.4)	(2.4)	2.6	2.6	2.7	2.5	2.7	2.7	2.8	(2.7) <sup>y</sup>	
15	2.5 <sup>x</sup>	2.5 <sup>x</sup>	2.8	2.6 <sup>x</sup>	2.8 <sup>x</sup>	3.0	2.9	2.8	(2.8)	2.6	(2.9)	C	(2.9)	(2.9)	(2.9)	C	(2.9)	(2.9)	(2.9)	(2.9)	(2.9)	(2.9)	(2.9)		
16	C	C	C	C	C	C	C	C	C	C	3.1	2.7	2.8	2.8	2.5	2.6	2.7	2.8	2.8	2.8	2.8	2.8	C		
17	2.7	2.9	2.6	(2.8)	2.7	2.9	2.9	2.9	3.0	2.7	(2.8)	2.8	2.8	2.8	2.7	2.8	2.7	2.8	2.9	2.9	2.9	2.9	(2.8)		
18	(2.7)	2.7 <sup>x</sup>	(2.7)	(2.8)	2.8 <sup>x</sup>	3.0	2.9	2.9	2.9	A	2.9	A	(2.3) <sup>x</sup>	G	(2.5)	2.5	2.7	C	C	C	C	C	C	(2.9)	
19	2.7 <sup>x</sup>	(2.8) <sup>x</sup>	2.5 <sup>x</sup>	(2.5) <sup>x</sup>	(2.5) <sup>x</sup>	2.9 <sup>x</sup>	G	K	G	K	G	K	G	K	G	A	K	(2.5) <sup>x</sup>	2.7 <sup>x</sup>	2.9 <sup>x</sup>	2.8 <sup>x</sup>	(2.7) <sup>x</sup>	2.9 <sup>x</sup>	(2.8) <sup>x</sup>	
20	(2.6) <sup>x</sup>	2.8 <sup>x</sup>	2.8 <sup>x</sup>	(3.0) <sup>x</sup>	(2.7) <sup>x</sup>	2.9 <sup>x</sup>	3.0 <sup>x</sup>	2.8 <sup>x</sup>	3.0 <sup>x</sup>	2.8 <sup>x</sup>	(2.4) <sup>x</sup>	C	K	A	K	B	K	C	C	2.8 <sup>x</sup>	2.8 <sup>x</sup>	2.8 <sup>x</sup>	(2.8) <sup>x</sup>		
21	2.6	2.8	2.6	2.6	2.8	3.1	3.1	2.8	(2.8)	(2.9)	(2.4)	(2.7)	B	B	B	(2.7)	2.6	A	2.8	2.8	2.7	(2.7)	(2.7)	(2.7)	
22	(2.7)	(2.5)	2.7	(2.8)	2.7	3.0	2.7	2.8	(2.8) <sup>y</sup>	2.5	C	C	C	C	C	C	C	2.5	2.5	2.5	(2.6)	2.6	2.8	(2.8)	
23	2.7	2.5	2.7	2.7	C	C	C	C	C	2.6	C	(2.3)	C	B	(2.6)	2.5	2.7	2.6	2.9	2.8	2.8	2.7	(2.7) <sup>y</sup>		
24	2.8	2.8	2.7	2.7	2.7	2.8	(3.0) <sup>x</sup>	3.1	(2.8)	2.9	2.7	2.7	2.7	2.8	2.7	2.7	2.8	2.8	2.8	2.9	(2.8) <sup>y</sup>	C	C		
25	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C		
26	2.7 <sup>x</sup>	2.5 <sup>x</sup>	2.5 <sup>x</sup>	(2.6)	(2.8)	2.7	3.1	K	(2.6) <sup>x</sup>	2.6	C	K	2.5 <sup>x</sup>	(2.6) <sup>x</sup>	2.6	C	K	2.4 <sup>x</sup>	2.5 <sup>x</sup>						
27	B	K	B	K	B	K	2.4 <sup>x</sup>	(2.7)	K	G	K	B	K	2.5 <sup>x</sup>	2.7	B	K	B	K	B	K	B	K	B	
28	2.7 <sup>x</sup>	(2.7)	2.6	K	2.6	K	(2.9)	3.1	3.0	2.6	2.7	2.9	2.4	2.7	2.6	(2.6)	2.7	2.7	2.7	2.7	2.7	2.7	2.7	(2.7)	
29	(2.7) <sup>x</sup>	(2.6)	2.5 <sup>x</sup>	(2.5)	(2.7)	(2.7)	(2.7)	G	2.2	(2.5)	C	C	G	C	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
30	2.9 <sup>x</sup>	2.6 <sup>x</sup>	2.7	2.6	C	C	C	C	C	C	G	G	G	G	G	G	G	2.7	2.7	2.7	2.7	2.7	2.7	2.7	
31	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C		
Mean	2.7	2.7	2.7	2.7	2.7	2.7	2.8	2.9	2.7	2.8	2.6	2.7	2.6	2.5	2.6	2.6	2.7	2.7	2.8	2.8	2.8	2.8	2.8	(2.7)	
Count	27	26	27	26	25	25	26	26	25	23	30	18	30	24	24	20	24	27	26	29	28	26	27	27	27

TABLE 87  
IONOSPHERE DATA - I

Long-distance Station  
Washington, D. C.

## National Bureau of Standards

TIME: 75°W MERIDIAN

Revised 24<sup>th</sup> January 08 FI-M3000gtr 10/11/07 2345

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Table 89

Ionospheric Storminess, July 1946

Day	Ionosphere		Characters*		Principal Storms		Geomagnetic Characters**	
	00-12 GCT	12-24 GCT	12-24 GCT	Beginning GCT	End GCT	00-12 GCT	12-24 GCT	
July								
1	2	4		1200	2300	0	1	
2	2	1				2	2	
3	2	4		1100	-----	3	2	
4	1	3		-----	0100	1	1	
5	1	3				1	1	
6	2	3				1	1	
7	3	4		0300	-----	4	3	
8	2	4			0400	2	2	
				1300	-----			
9	1	4		-----	0300	3	2	
				1300	-----			
10	1	0		-----	0400	2	2	
11	2	1				2	2	
12	2	2				1	1	
13	2	1				1	1	
14	1	3				2	3	
15	2	3				3	1	
16	***	1				1	3	
17	2	1				3	2	
18	1	3				2	4	
19	3	5		0000	-----	4	2	
20	4	***		-----	-----	1	1	
21	2	***		-----	0100	2	2	
22	2	3				2	2	
23	2	2				3	3	
24	2	3				1	1	
25	***	***		1500	-----	2	3	
26	3	3		-----	-----	3	5	
27	***	3		-----	-----	7	3	
28	5	1		-----	1100	2	3	
29	3	3				4	4	
30	3	3				4	3	
31	***	3				2	1	

\*Ionosphere character figure (I-figure) for ionospheric storminess at Washington, D.C., during 12-hour period, on an arbitrary scale of 0 to 9, 9 representing the greatest disturbance.

\*\*Average for 12 hours of American magnetic K-figure, determined by a number of observatories, on an arbitrary scale of 0 to 9, 9 representing the greatest disturbance.

\*\*\*No readable record. Users are referred to Table 78 for detailed explanation.

/Dashes indicate continuing storm.

Table 90

## Sudden Ionosphere Disturbances Observed at Washington, D.C.

Tables 90 &amp; 91 (Continued)

Day	GCT Beginning End	Location of Transmitters	Relative intensity at minimum*	Other Phenomena	Day	GCT Beginning End	Location of Transmitter	Relative intensity at minimum*	Other Phenomena
July 4	1643	1750	Ohio, D.C., Mexico, Ontario, Surinam	0.1	July 23	1428	1550	Ohio, D.C., Mexico, Ontario, Canada	0.0
17	1921	2000	Ohio, D.C., Chile, Eng- land, Hawaii, Mexico, Surinam	0.01	23	1712	2040	Ohio, D.C., Mexico, England, Canada	0.01
18	2309	2325	Ohio, D.C., Chile, Hawaii, Mexico, Ontario, Surinam	0.5	24	0312	0400	Ohio, D.C., Mexico, England, Canada	0.02
19	1207	1220	D.C., England	0.1	24	1344	1420	Ohio, D.C., Mexico, England, Canada	0.03
19	1619	1630	England	0.3	24	2204	2235	Ohio, D.C., Mexico, England	0.3
19	1849	1935	Ohio, D.C., Chile, Eng- land, Hawaii, Mexico, Ontario	0.05	25	1509	0400	Ohio, D.C., Mexico, England, Canada	0.05
19	2052	2130	Ohio, D.C., Chile, Eng- land, Hawaii, Mexico, Ontario, Surinam	0.06	25	1559	0400	Ohio, D.C., Mexico, England, Canada	0.0
20	1048	1110	England	0.1	29	0039	0100	England	0.1
20	1346	1415	England	0.1	29	2011	2040	England	0.1
20	1623	1650	Ohio, D.C., England, Hawaii, Mexico	0.2	30	1556	1540	Ohio, D.C., Mexico, England, Canada	0.0
20	1823	1850	Ohio, D.C., Chile, England, Hawaii, Mexico, New Brus- wick, Surinam	0.3	30	2149	2230	Ohio, D.C., Mexico, England, Canada	0.05
20	2208	2230	Ohio, D.C., Chile, Mexico, Ontario, Surinam	0.2					
21	1243	1320	Ohio, D.C., England, Mexico	0.1					
21	1506	1715	Ohio, D.C., Chile, Eng- land, Mexico, New Brun- wick, Ontario	0.0					

\*Ratio of received field intensity during SID to average field intensity before and after, for station WIAL, 6000 kilowatts, 200 kilometers distant. For all SID except the following: Station KFH, 13535 kilowatts, received in New York, 5340 kilometers distant, was used for the SID on July 19 at 1207 and at 1619, on July 20 at 1048 and at 1346, and on July 29. Station KQF, 13495 kilowatts, 7710 kilometers distant, was used for the SID on July 24 at 0312.

\*\*As observed on Cheltenham magnetograph or the United States Coast and Geodetic Survey.

\*\*\*Incomplete recovery of SID

Table 91

Provisional Radio Propagation Quality Figures  
June 1946

Compared with CRPL Warnings and CRPL Probable Disturbed Period Forecasts

Day	North Atlantic					North Pacific							
	Quality Figure	CRPL* Warning	CRPL** Probable Disturbed Period	Geo- mag- netic Index $K_A$ Forecast		Quality Figure	CRPL* Warning	CRPL** Probable Disturbed Period	Geo- mag- netic Index $K_A$ Forecast				
	01-12 GCT	13-24 GCT	01-12 GCT	13-24 GCT		01-12 GCT	13-24 GCT	01-12 GCT	13-24 GCT		01-12 GCT	13-24 GCT	
1	6	6			2	1	6	7			2	1	
2	6	7			1	1	8	7			1	1	
3	6	7			1	0	9	7			1	0	
4	6	6			1	1	7	6			1	1	
5	6	7			1	2	8	8			1	2	
6	5	7			3	2	6	6			3	2	
7	5	6	X		2	4	5	7	X		2	4	
8	(4)	5	XX		X	3	4	6	5	XX	X	3	4
9	(4)	5	XX		X	3	2	5	5	XX	X	3	2
10	6	6			1	2	5	8			1	2	
11	5	6			3	2	7	7			3	2	
12	5	5			3	3	6	7			3	3	
13	(4)	5	XX		3	2	6	6	XX		3	2	
14	5	6	X		2	1	6	7	X		2	1	
15	5	5			2	2	6	6			2	2	
16	6	6			2	3	6	6			2	3	
17	(4)	6	XX		X	3	2	6	7	XX	X	3	2
18	6	5	XX		X	3	3	6	8	XX	X	3	3
19	(4)(4)	X	XX		X	4	3	6	5	XX	X	4	3
20	(4)	6	X		X	2	2	7	8	X	X	2	2
21	(4)	5			3	2	6	7			3	2	
22	5	6			2	2	6	5			2	2	
23	6	6			2	0	7	7			2	0	
24	6	6			1	1	7	8			1	1	
25	6	6			2	2	7	8			2	2	
26	6	6			2	2	6	8			2	2	
27	6	5	X		X	2	3	7	7	X	X	2	3
28	6	5	X		X	3	3	6	7	X	X	3	3
29	5	5	X		3	4	5	6	X		3	4	
30	5	6	XX		1	1	(4)	(4)	X	X	1	1	

## Score:

H	6	5				1	0
M	1	2				0	1
G	16	20				17	21
(S)	5	3				3	3
S	2	0				9	5

\*Broadcast on WWV, Washington, D. C. Times of warnings recorded to nearest half-day as broadcast.

\*\*In addition to dates marked X, the following were designated as probable disturbed days on forecasts more than eight days in advance of said dates:  
June 2-7, 21.

Quality Figure Scale:

- 1 = Useless
- 2 = Very poor
- 3 = Poor
- 4 = Poor to fair
- 5 = Fair
- 6 = Fair to good
- 7 = Good
- 8 = Very good
- 9 = Excellent

Symbols

X = Warning given or probable disturbed date.

H = Quality 4 or worse on day or half day of warning.

M = Quality 4 or worse on day or half day of no warning.

G = Quality 5 or better on day of no warning.

(S) = Quality 5 on day of warning.

S = Quality 6 or better on day of warning.

(-) = Quality 4 or worse (disturbed).

Geomagnetic  $K_A$  on the standard scale of 0 to 9, 9 representing the greatest disturbance.

Table 92

Daily Median Values of American Relative Sunspot Numbers\*July 1946

Date	No.	Date	No.
1	82	16	107
2	96	17	119
3	91	18	131
4	87	19	130
5	117	20	92
6	125	21	121
7	114	22	128
8	80	23	108
9	76	24	90
10	70	25	83
11	89	26	127
12	78	27	158
13	80	28	146
14	94	29	143
15	91	30	160
		31	126

No. Days . . . 31 . . . . . Mean . . . 107.9

\* Median of data from 21 observers.

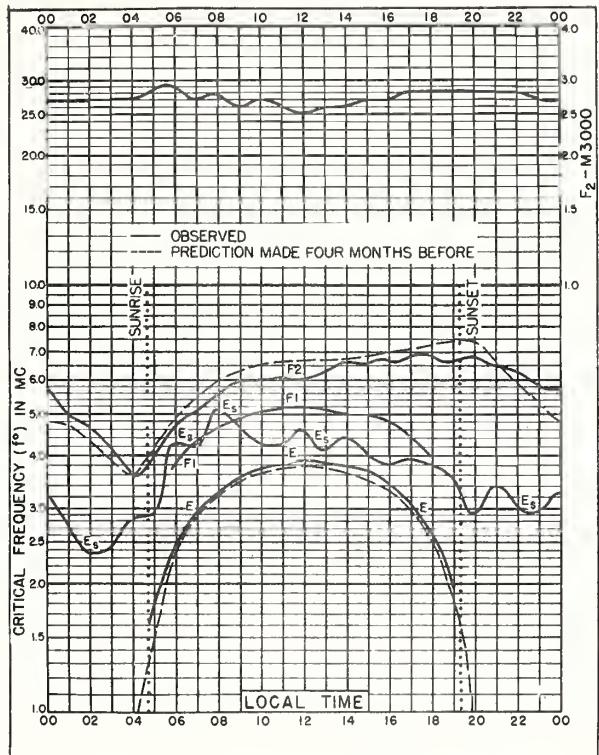


Fig. 1. WASHINGTON, D.C.  
39.0°N, 77.5°W JULY, 1946

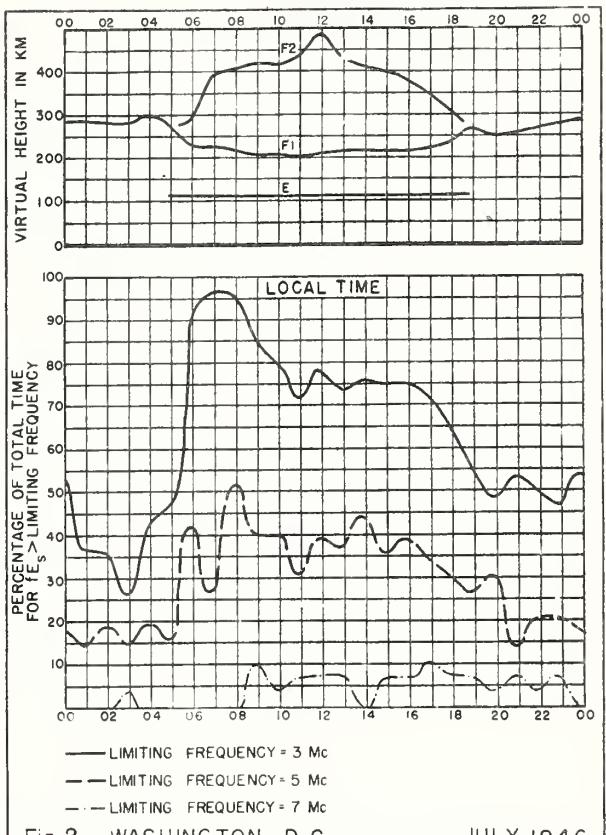


Fig. 2. WASHINGTON, D.C. JULY, 1946

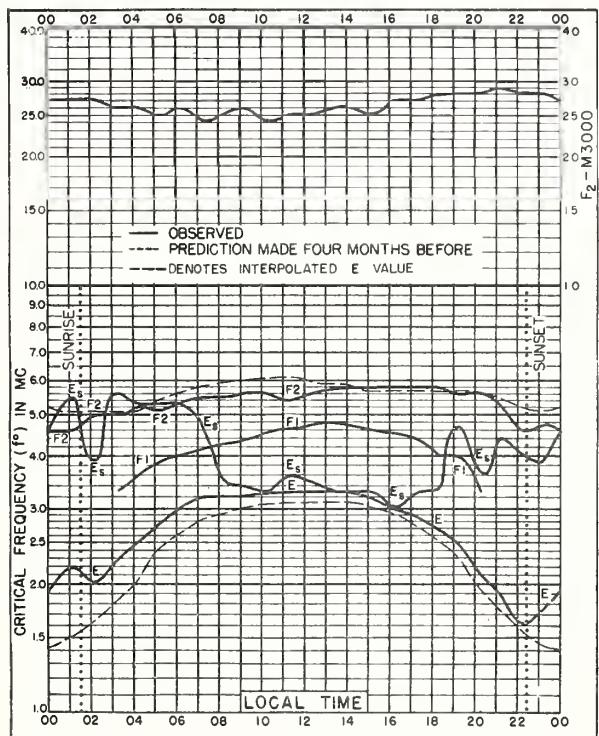


Fig. 3. FAIRBANKS, ALASKA  
64.9°N, 147.8°W JUNE, 1946

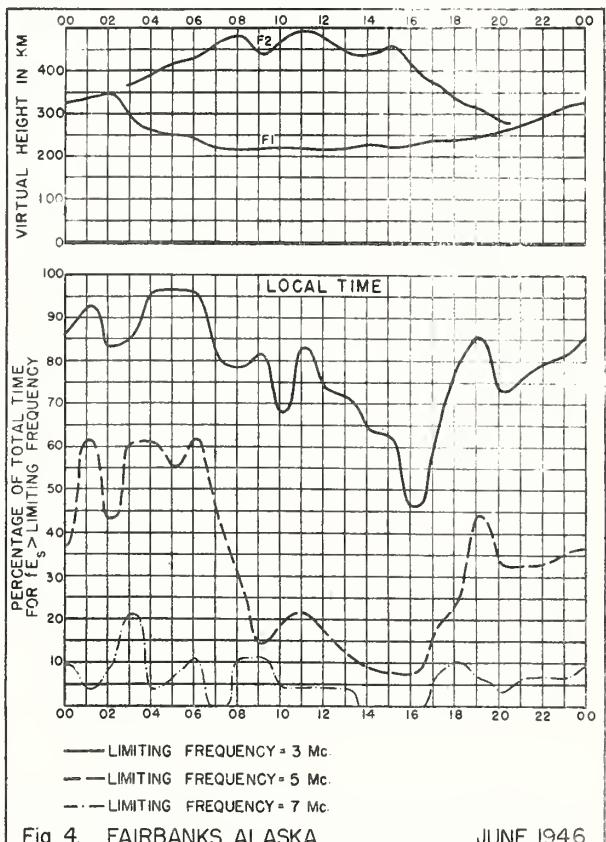
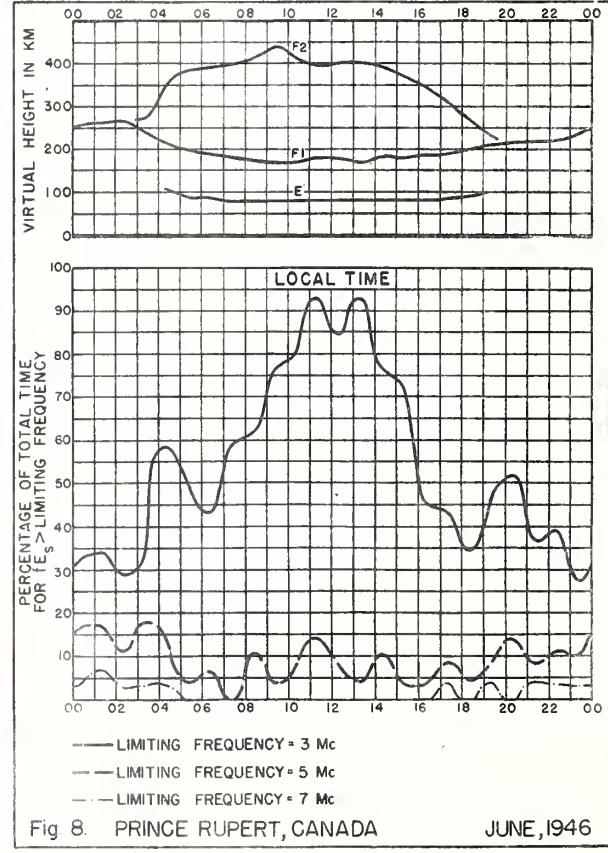
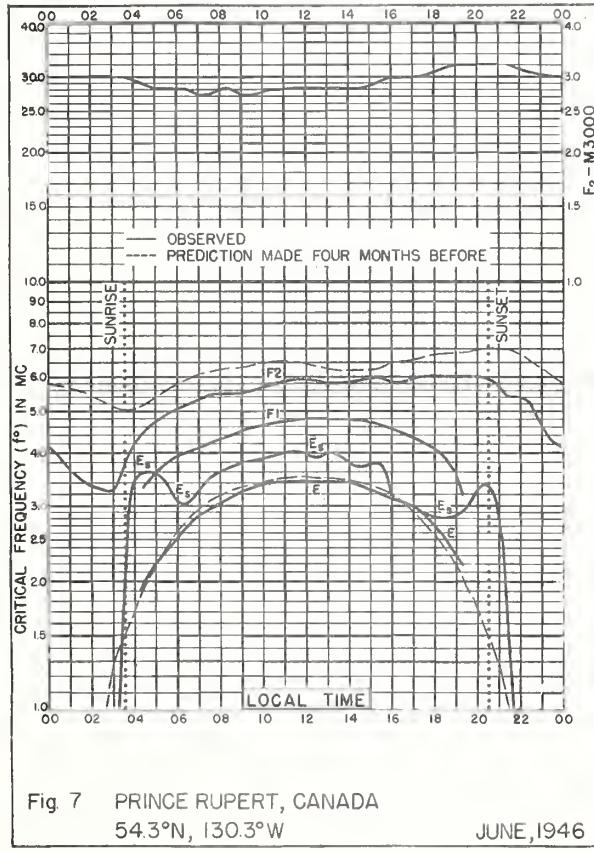
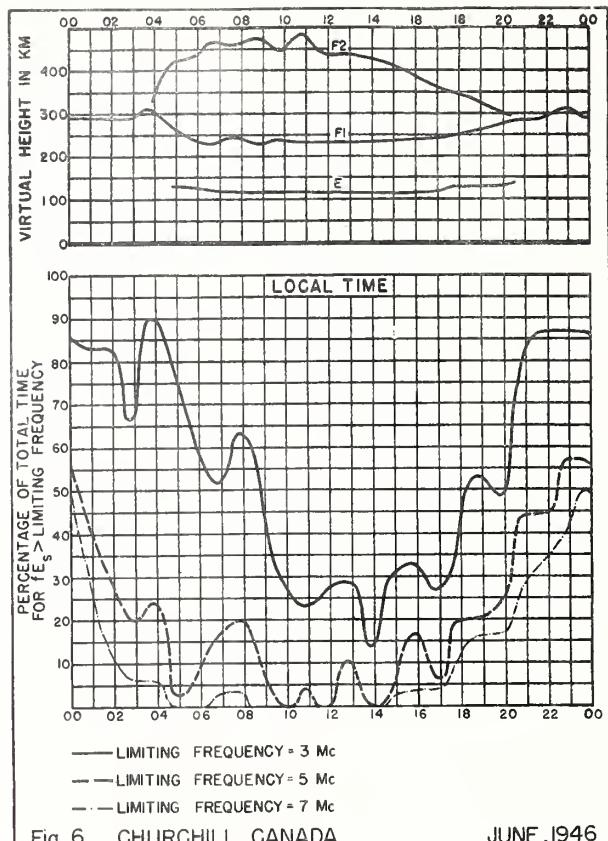
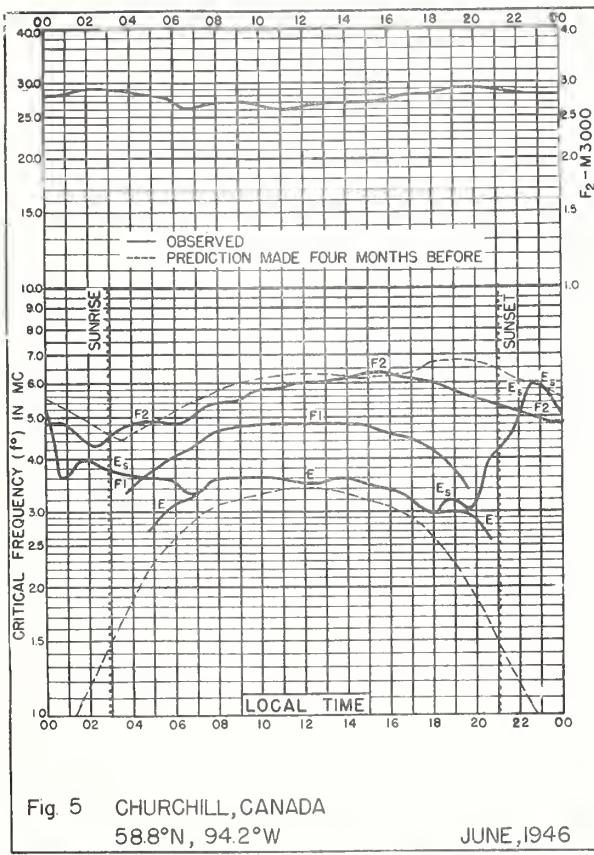


Fig. 4. FAIRBANKS, ALASKA JUNE, 1946



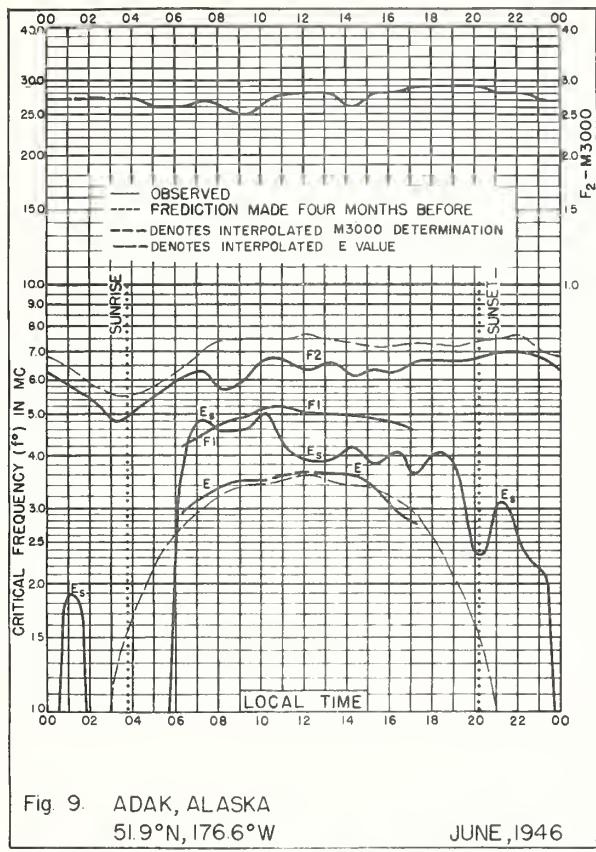


Fig. 9. ADAK, ALASKA  
51.9°N, 176.6°W

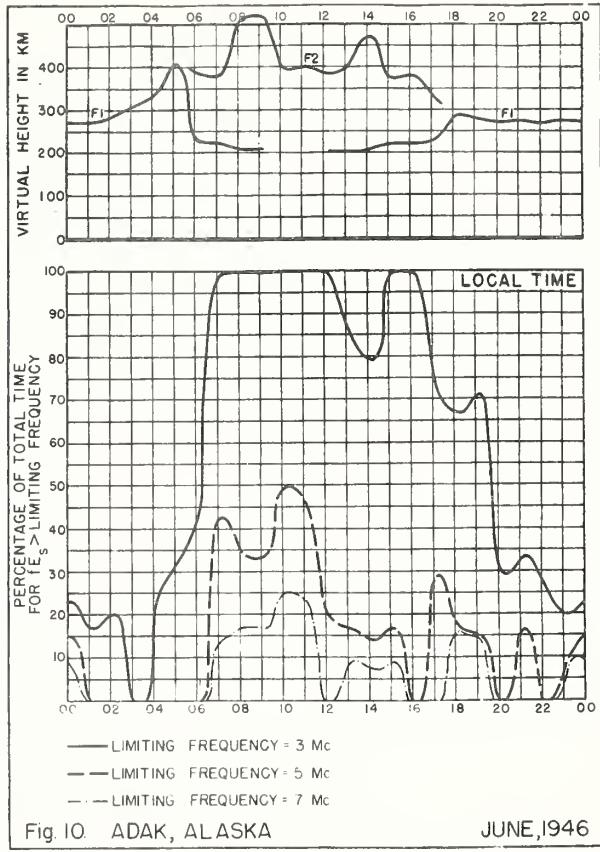


Fig. 10. ADAK, ALASKA JUNE, 1946

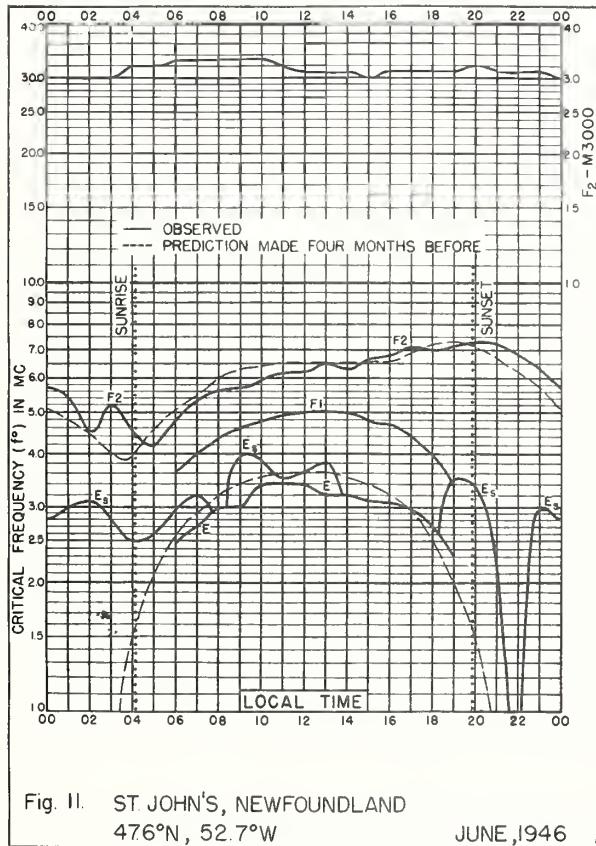


Fig. 11. ST. JOHN'S, NEWFOUNDLAND  
47.6°N, 52.7°W JUNE, 1946

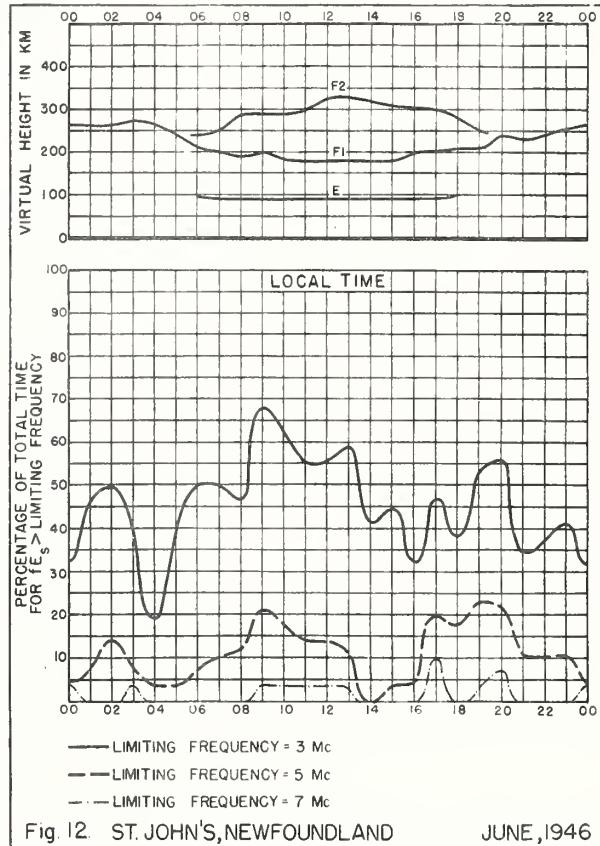
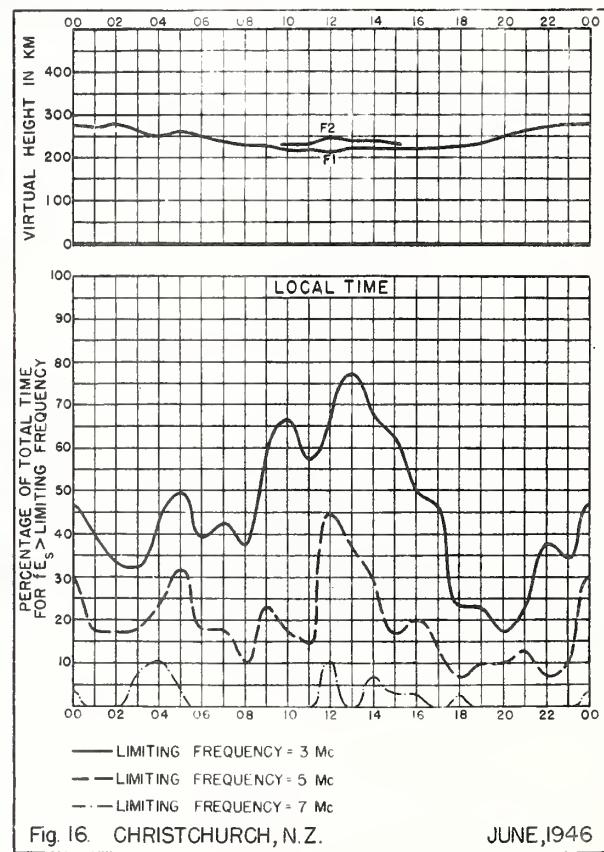
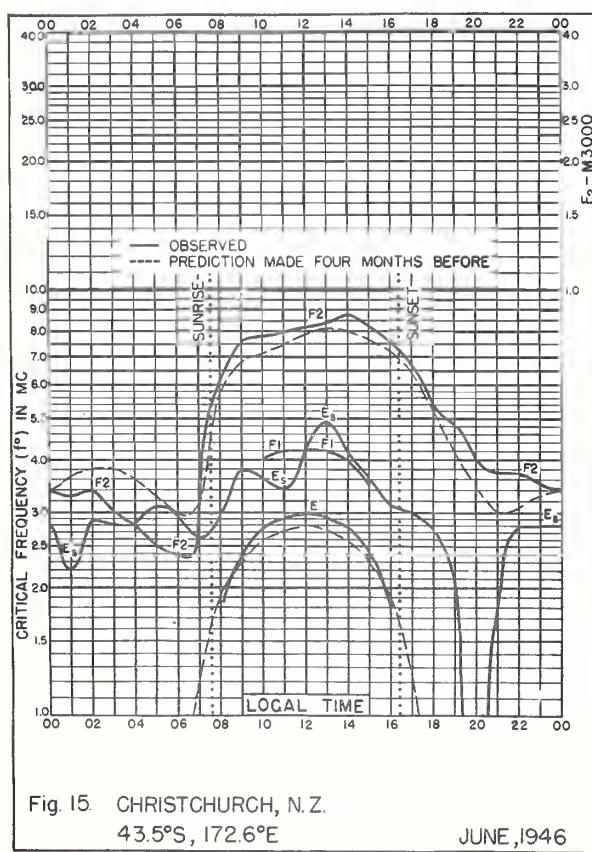
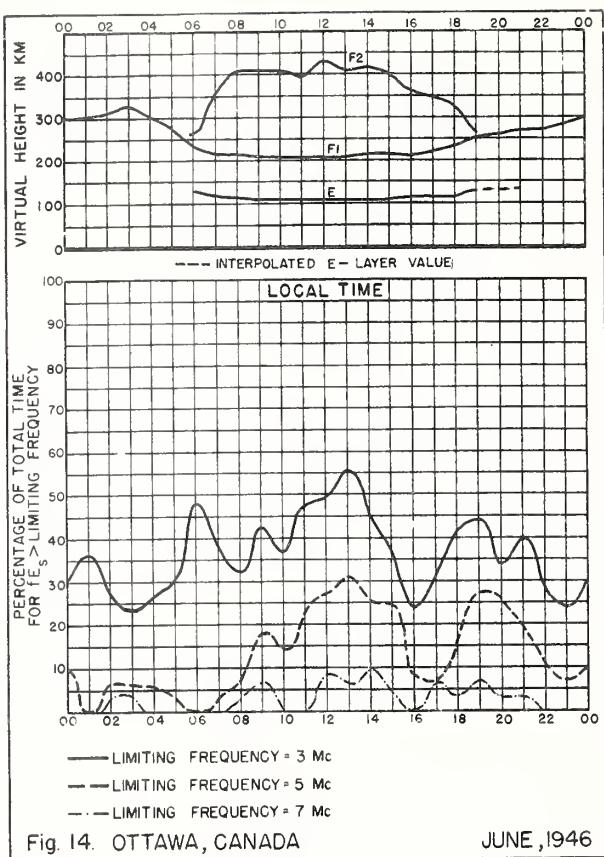
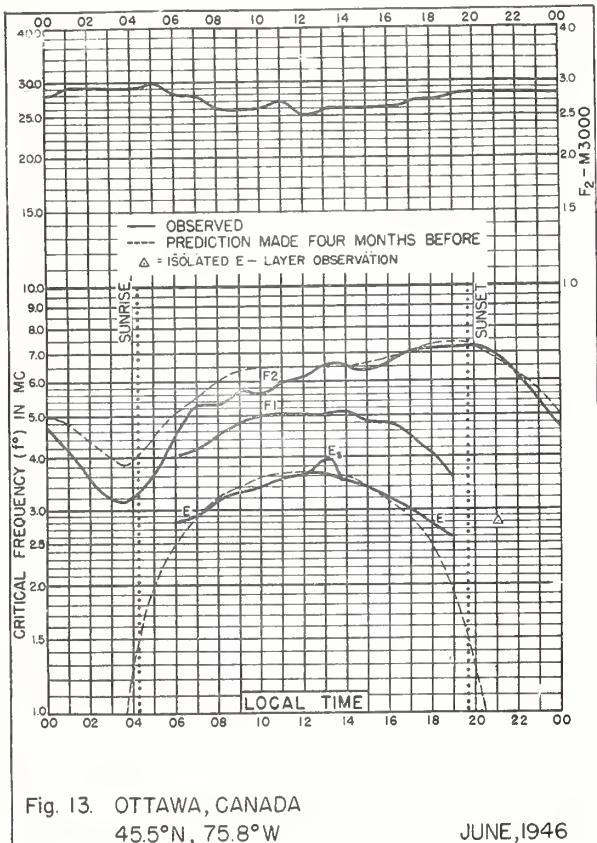
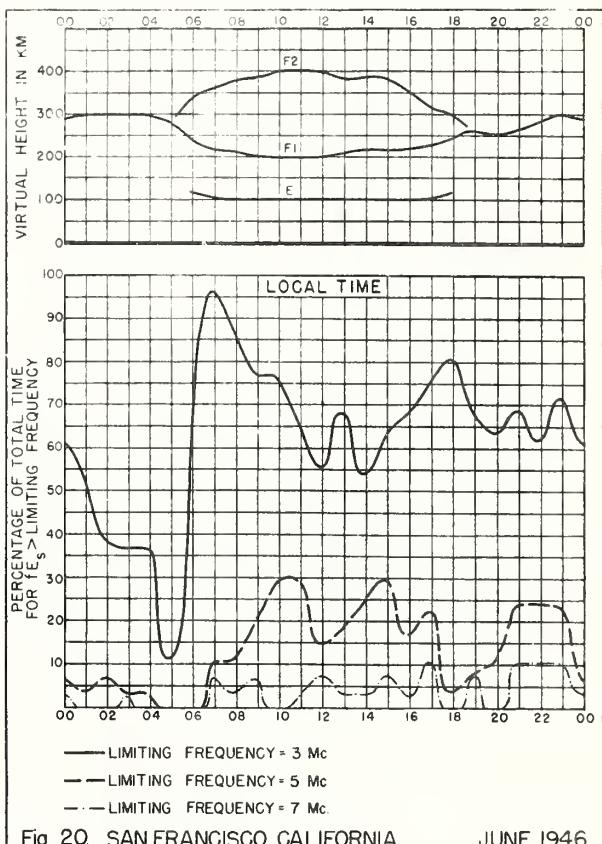
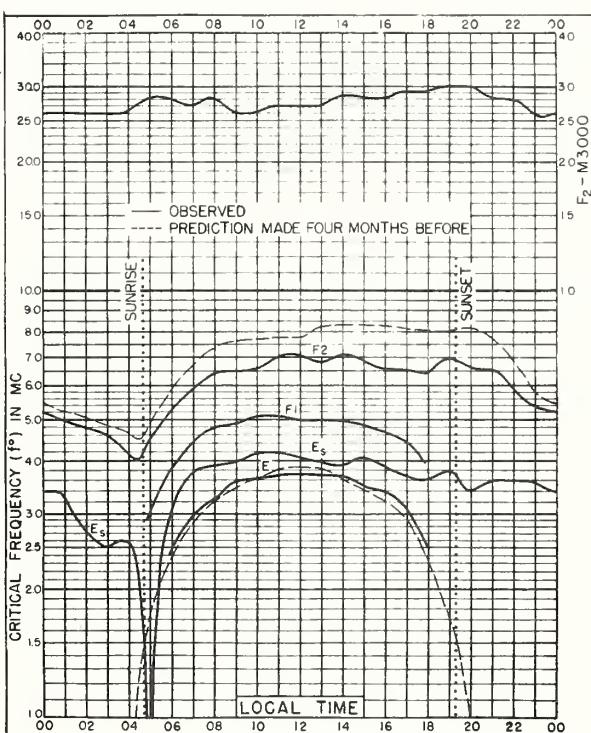
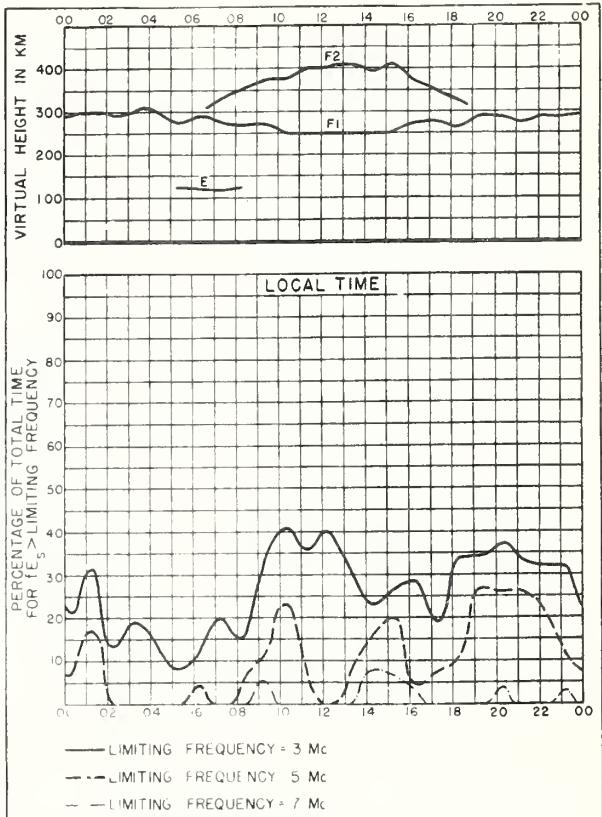
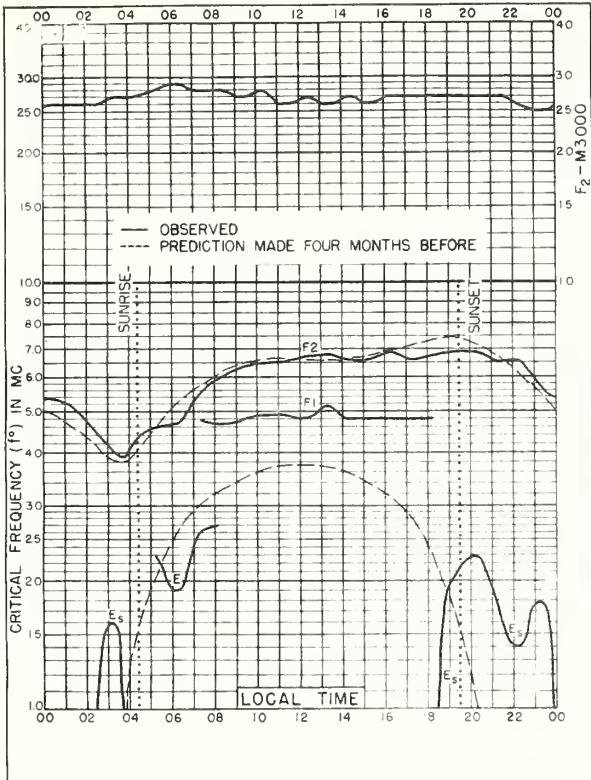
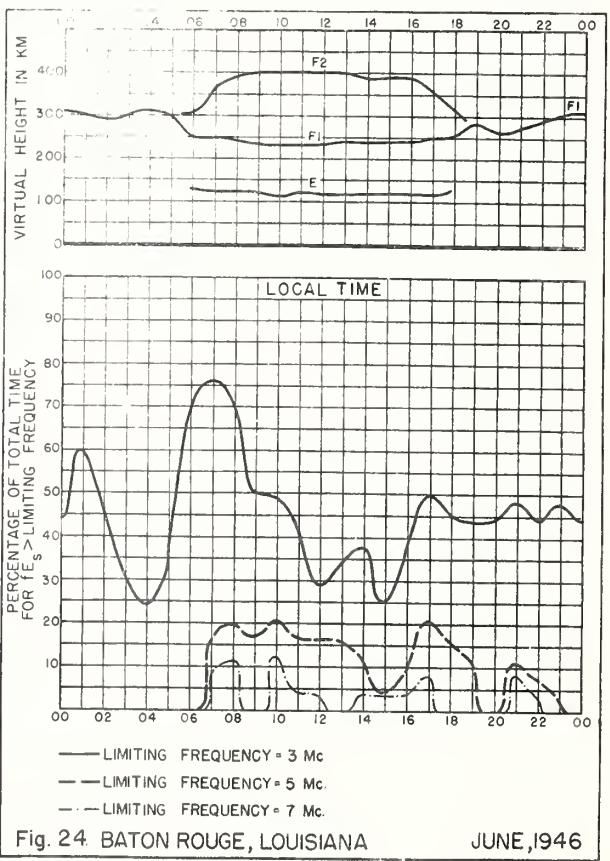
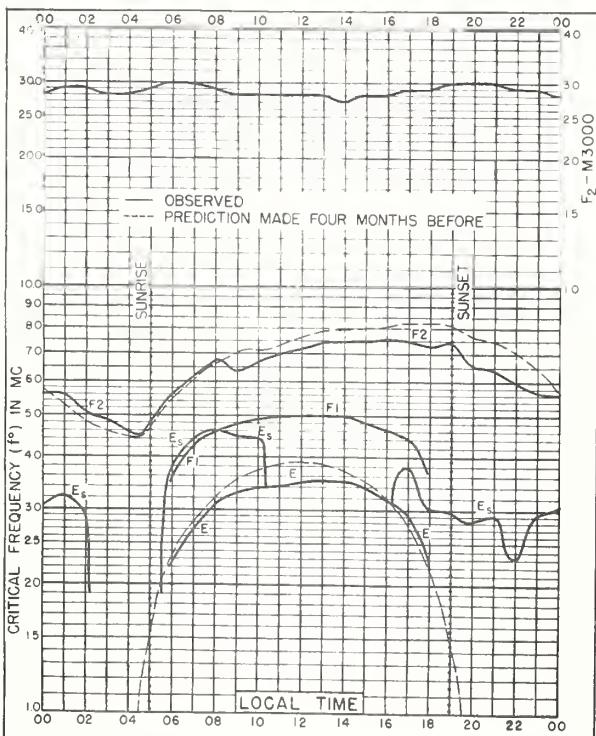
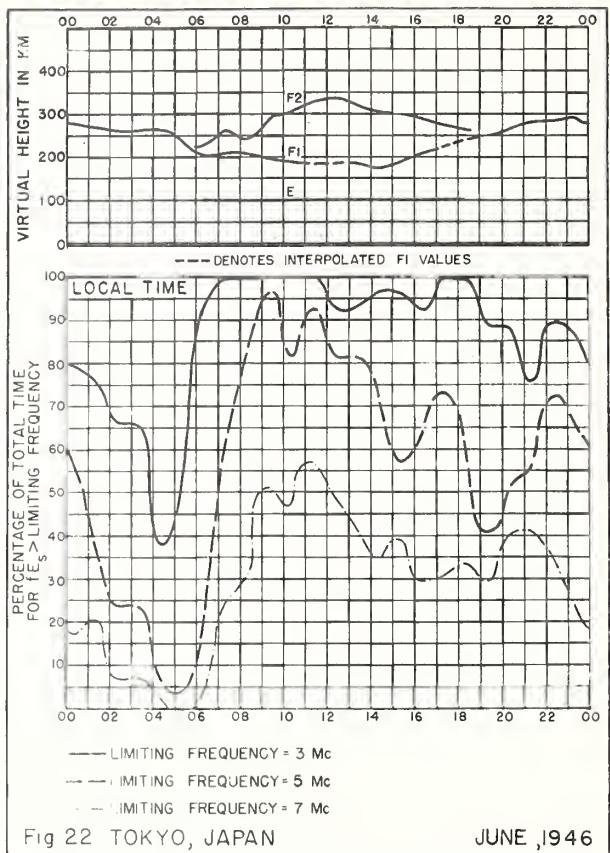
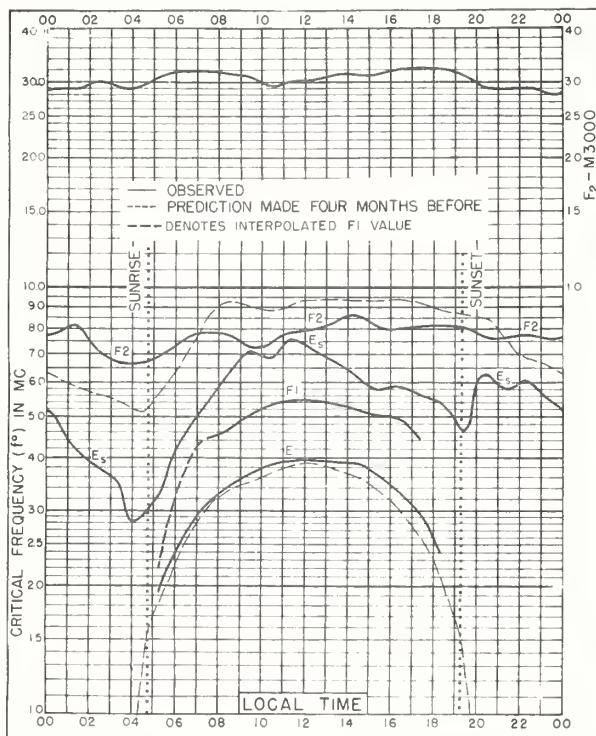
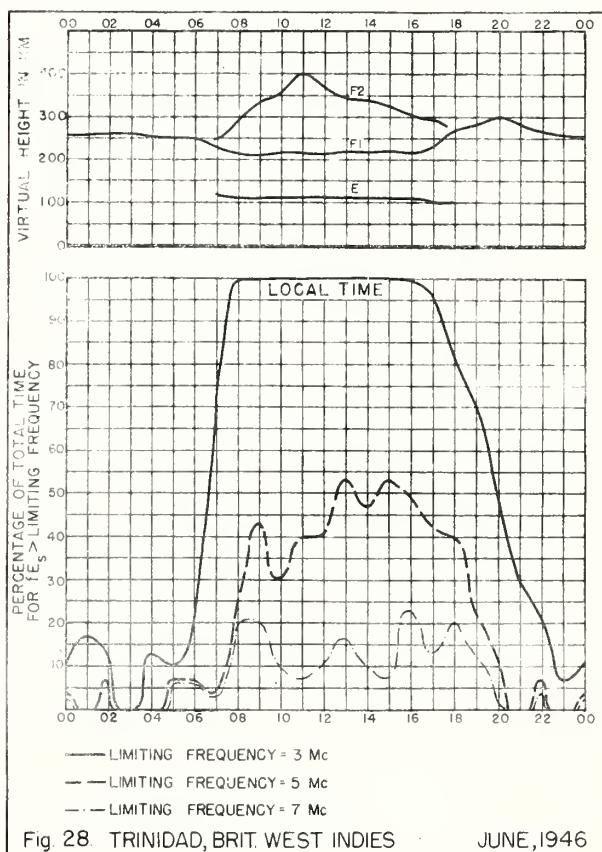
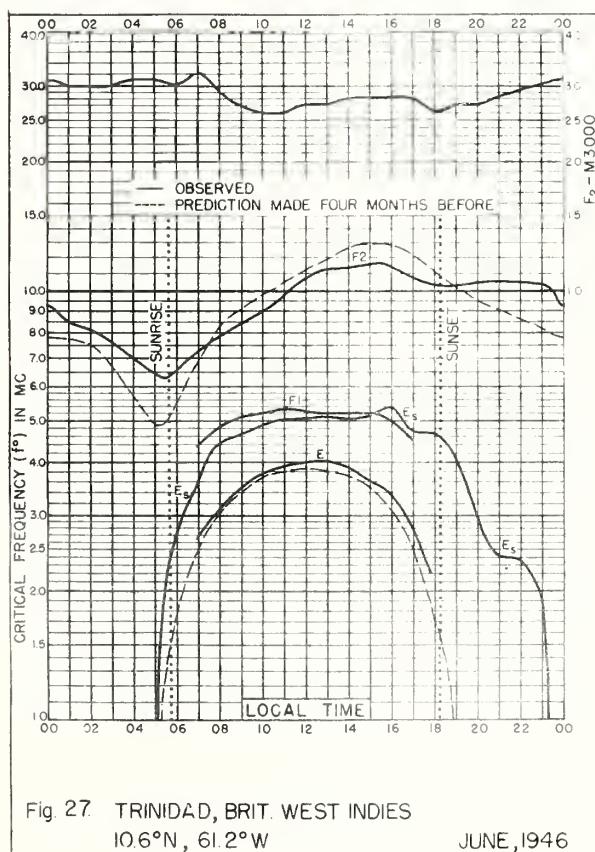
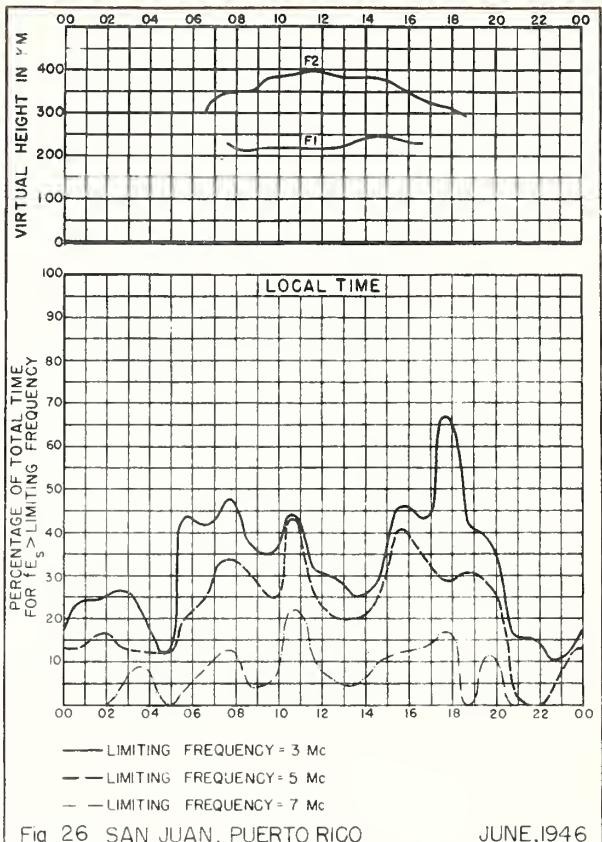
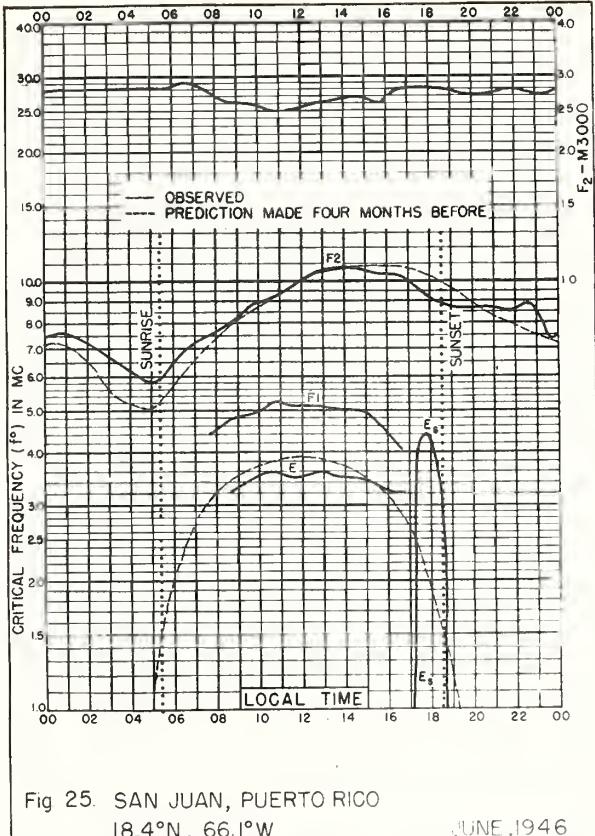


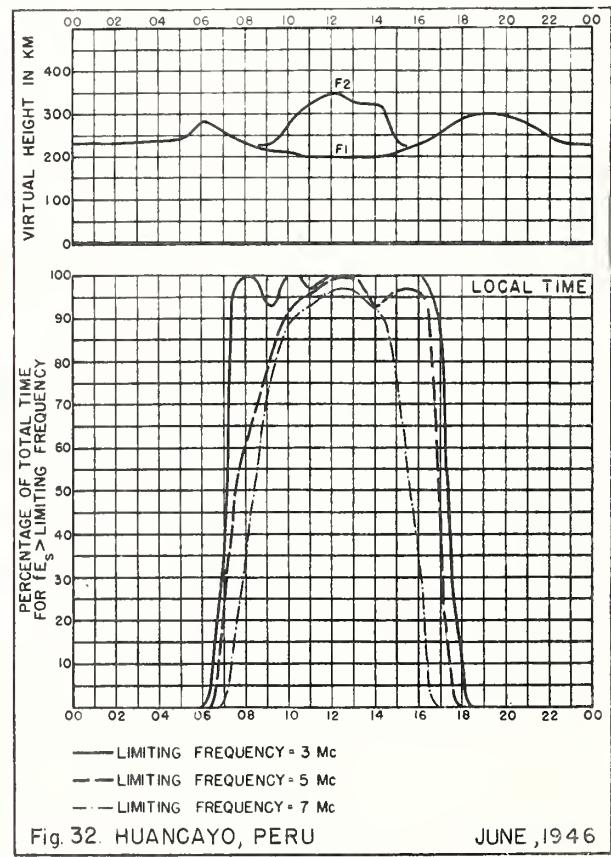
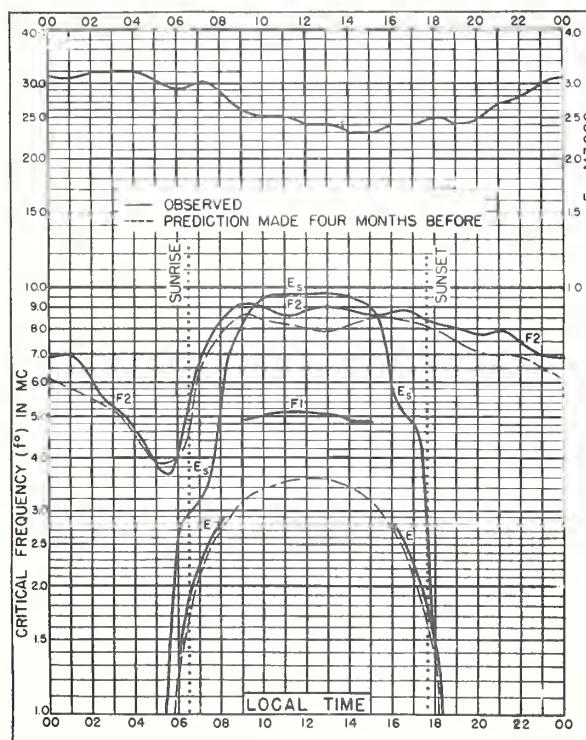
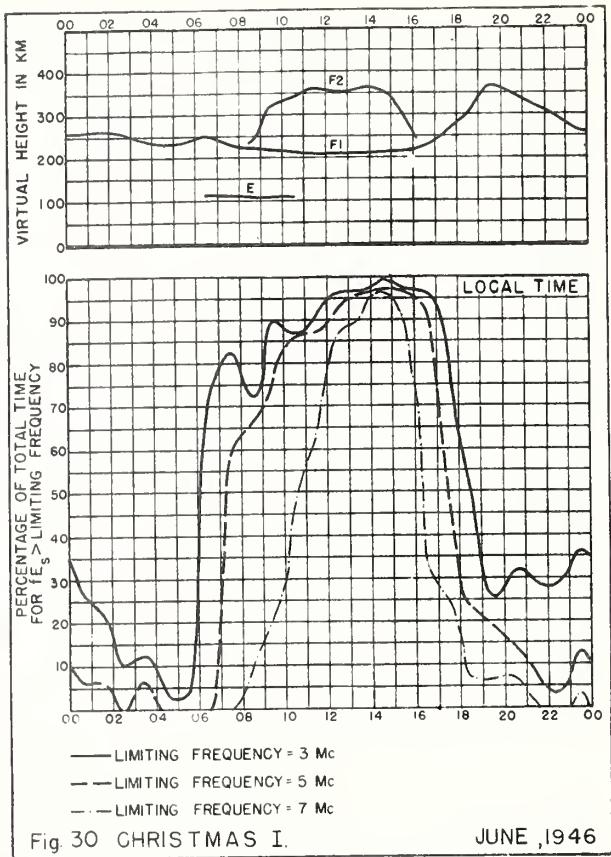
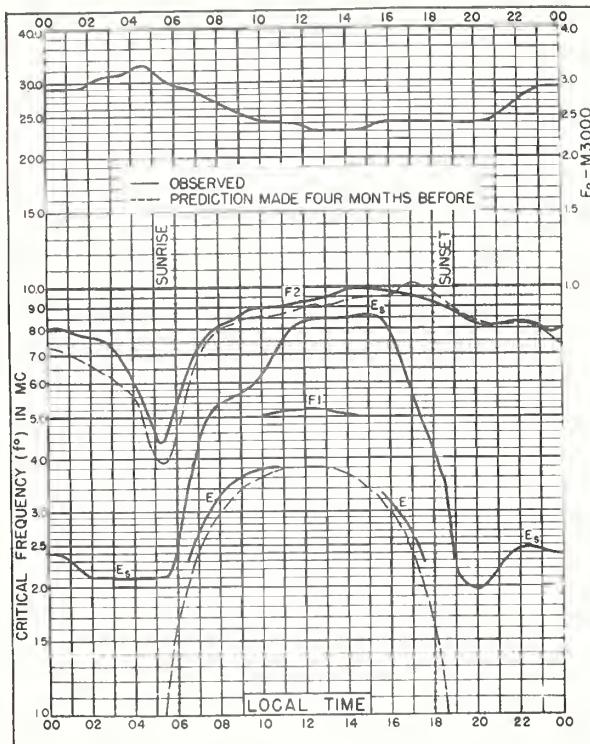
Fig. 12. ST. JOHN'S, NEWFOUNDLAND JUNE, 1946

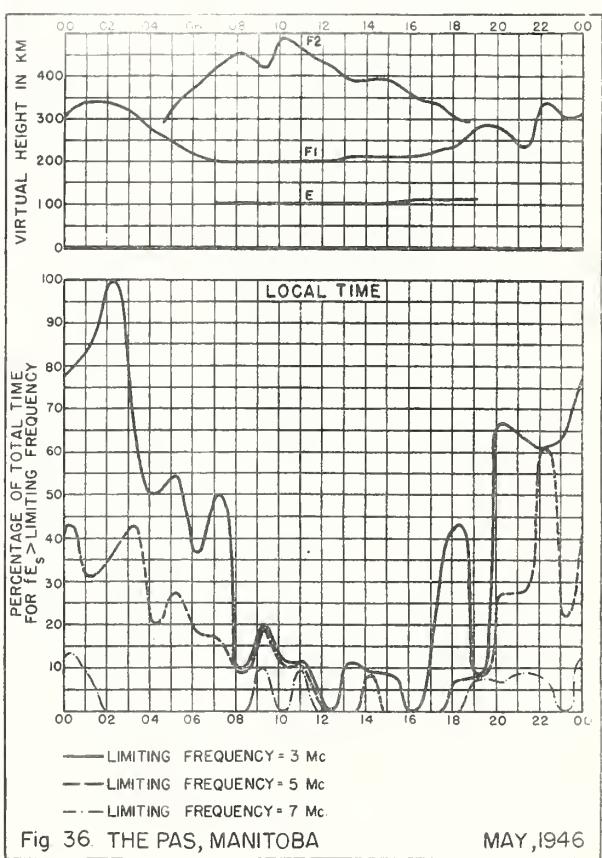
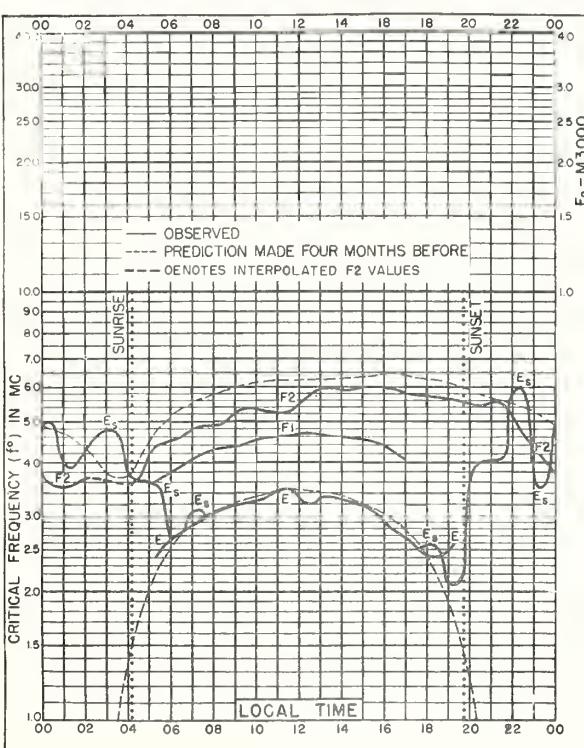
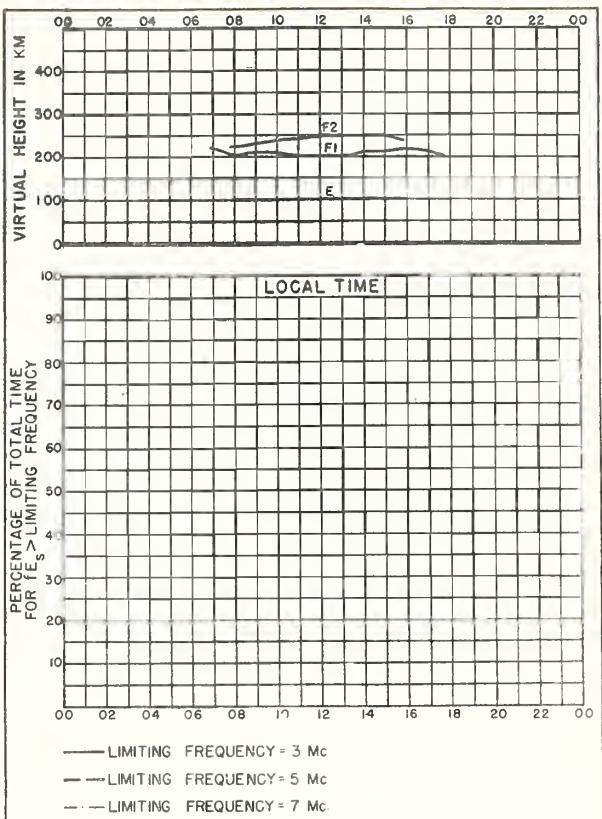
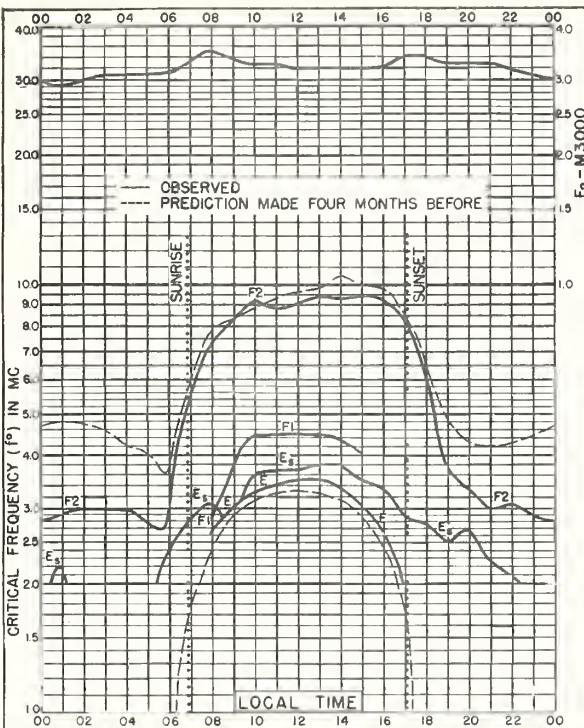


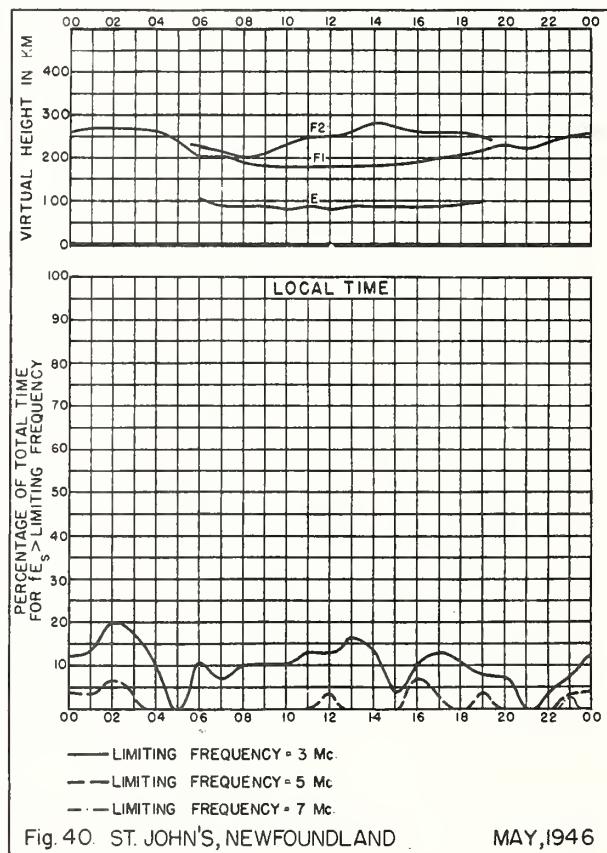
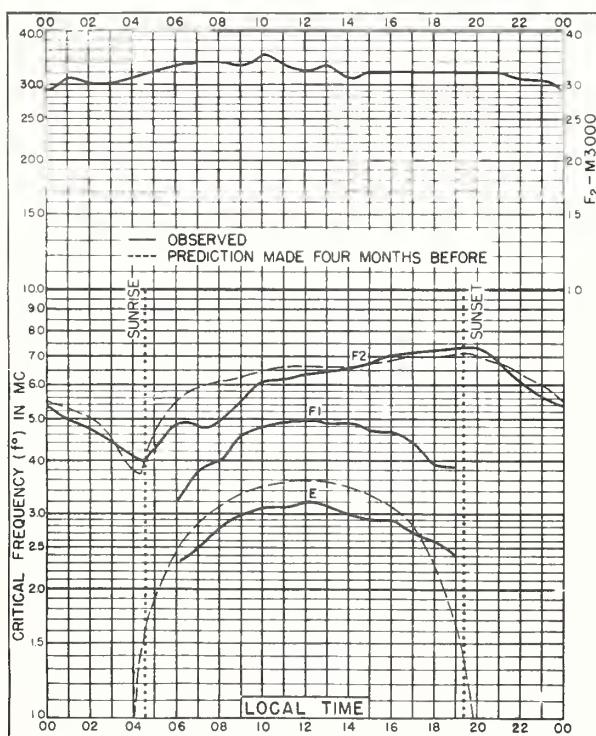
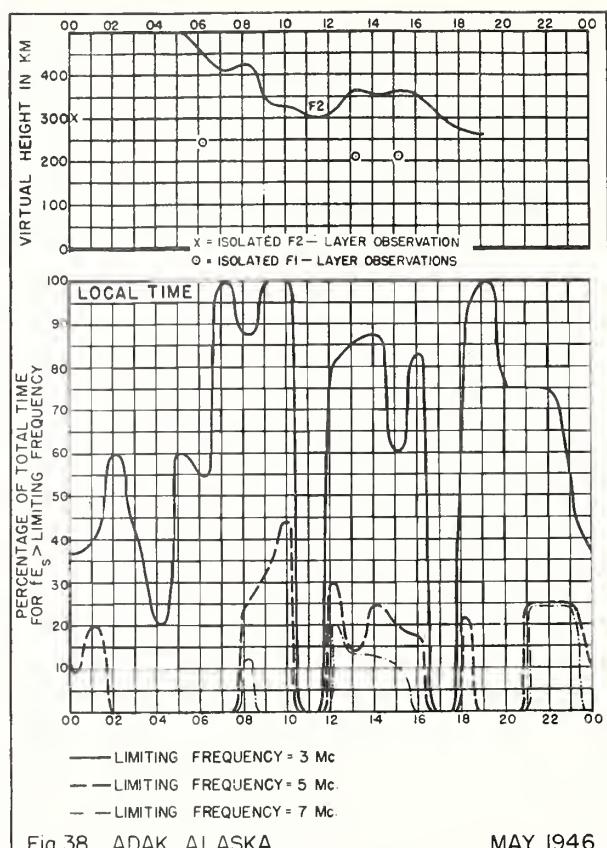
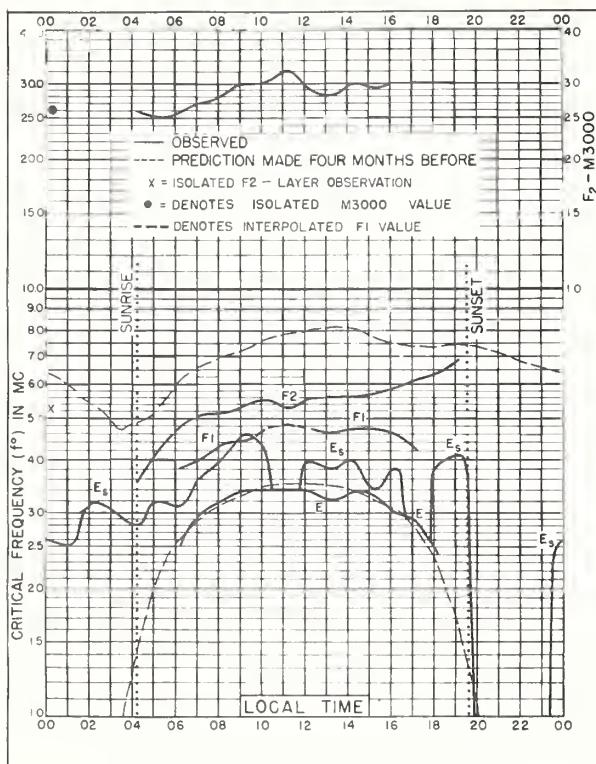












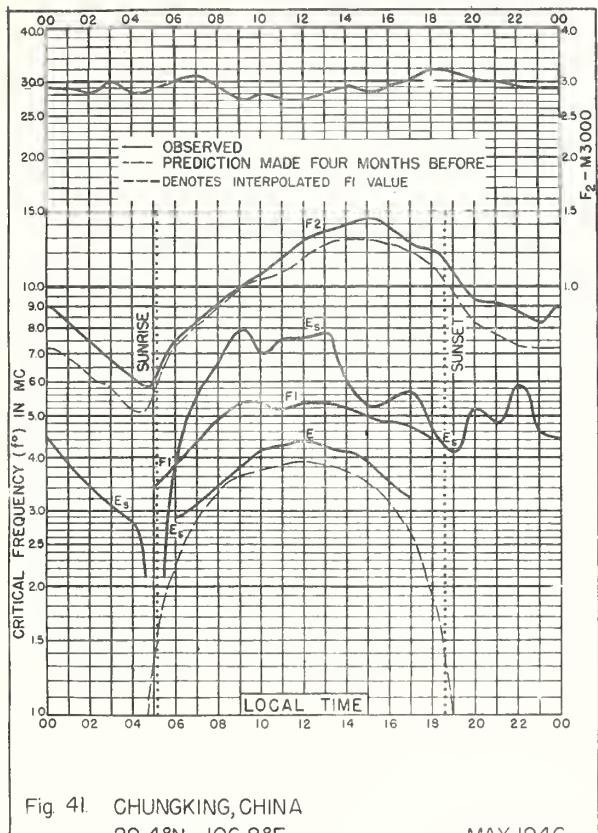


Fig. 41. CHUNGKING, CHINA  
29.4°N, 106.8°E MAY, 1946

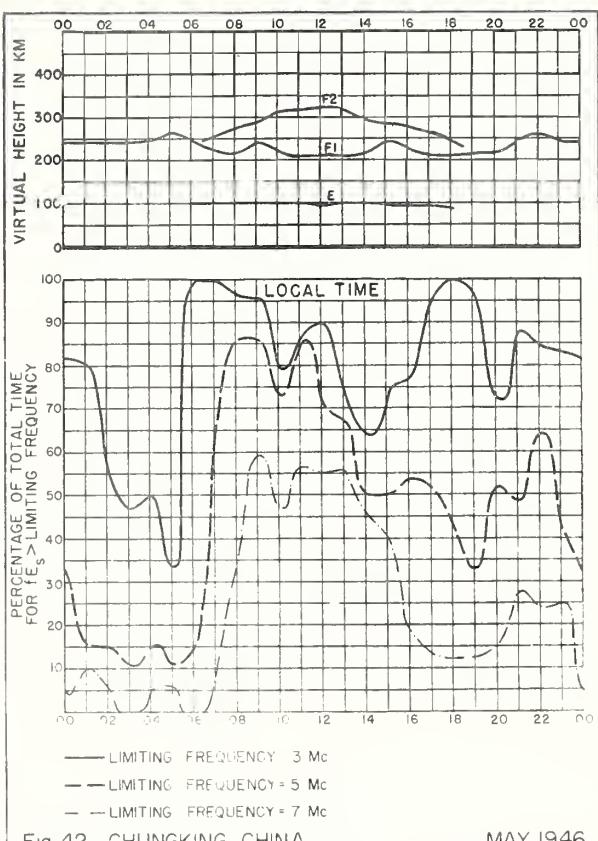


Fig. 42. CHUNGKING, CHINA MAY, 1946

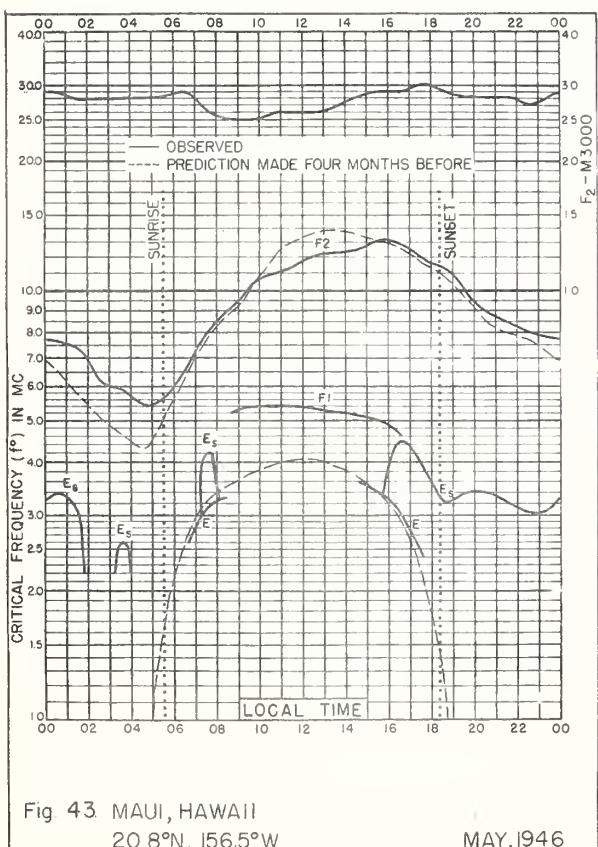


Fig. 43. MAUI, HAWAII  
20.8°N, 156.5°W MAY, 1946

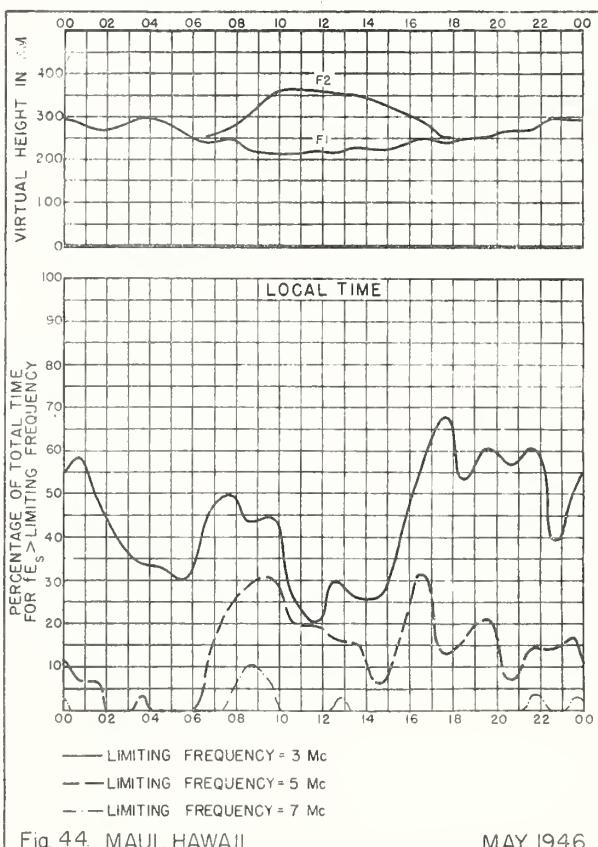
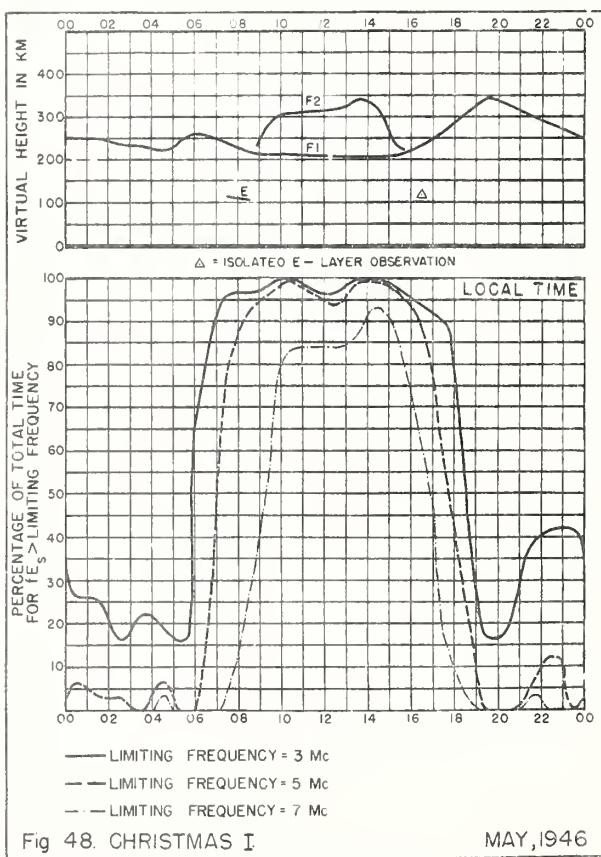
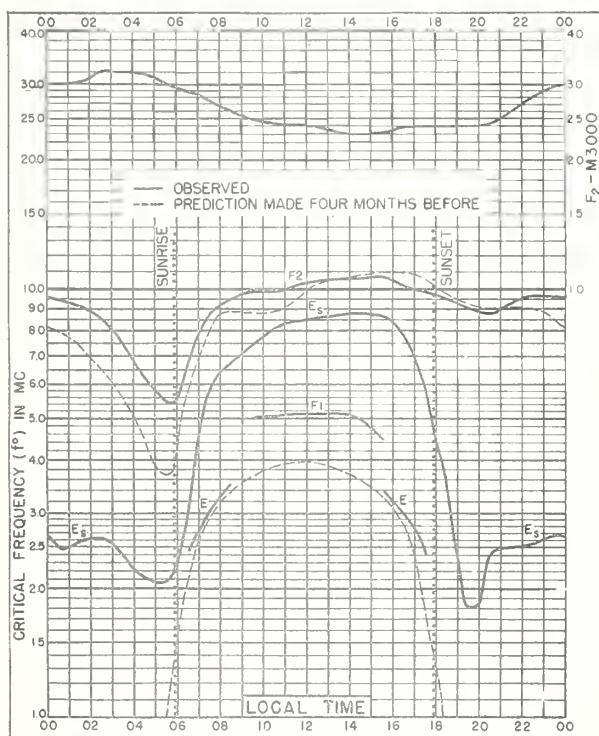
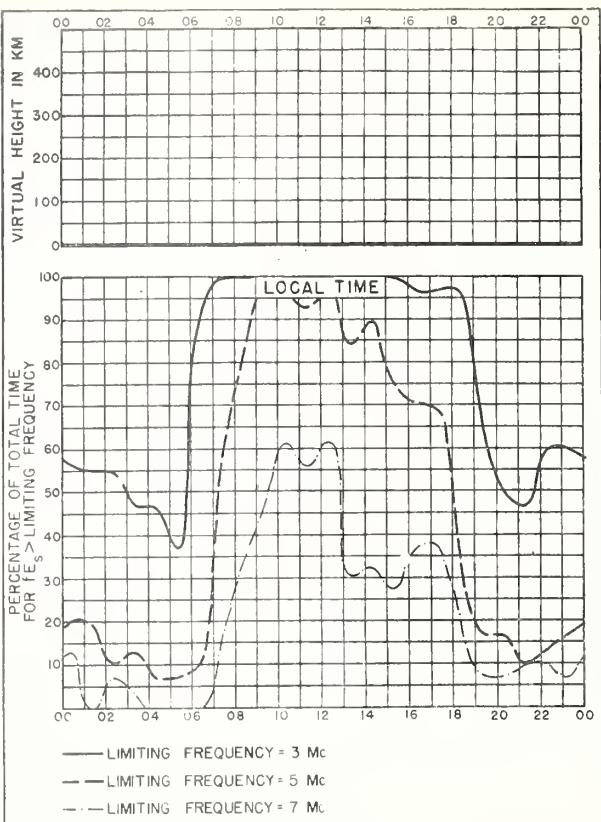
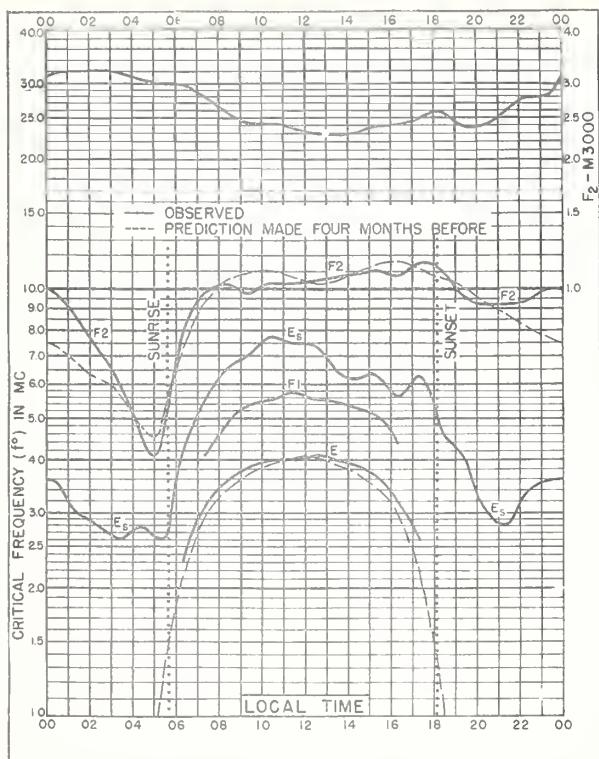


Fig. 44. MAUI, HAWAII MAY, 1946



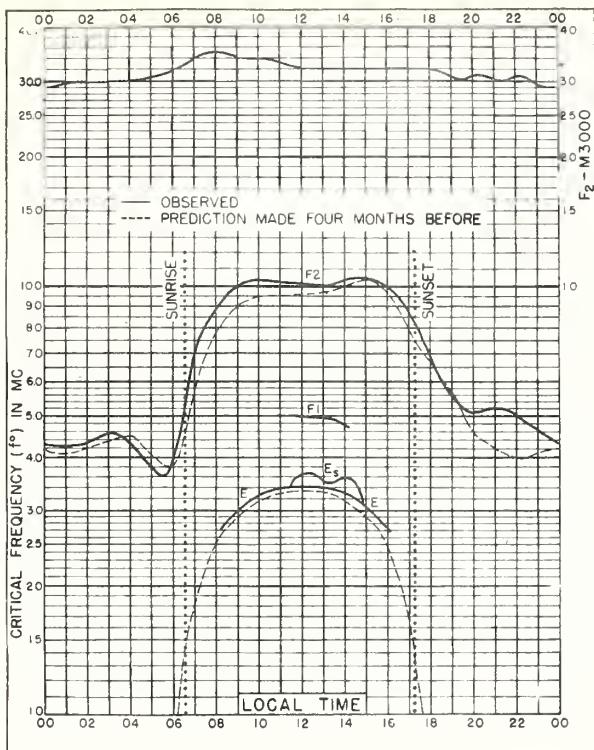


Fig. 49 BRISBANE, AUSTRALIA  
27.5°S, 153.0°E MAY, 1946

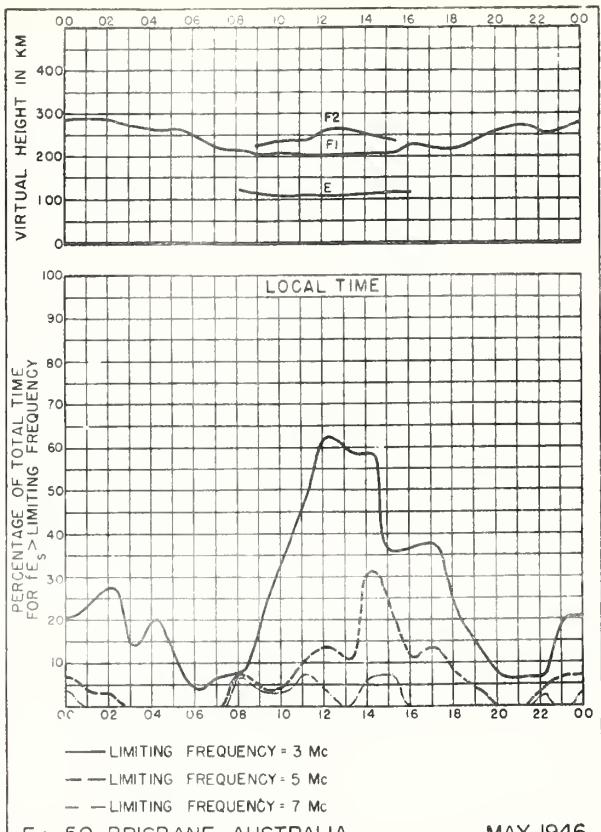


Fig. 50. BRISBANE, AUSTRALIA MAY, 1946

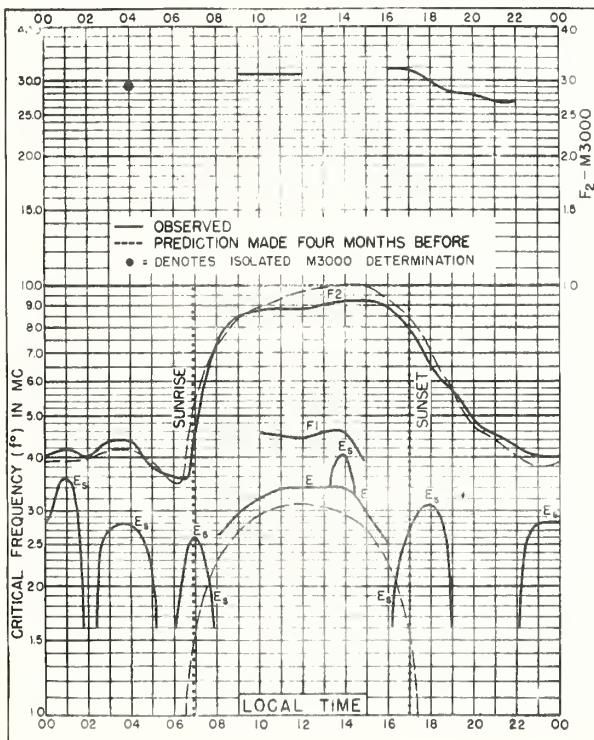


Fig. 51. CANBERRA, AUSTRALIA  
35.3°S, 149.0°E MAY, 1946

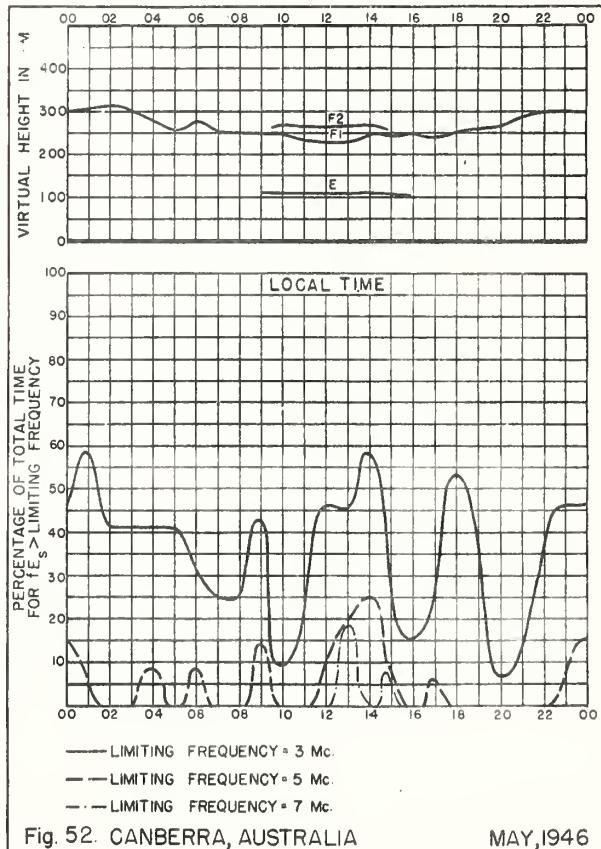
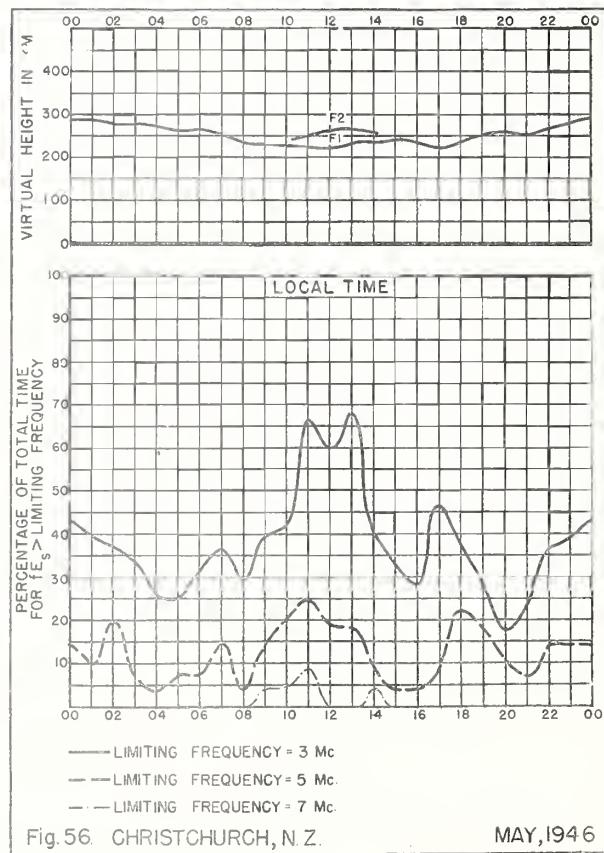
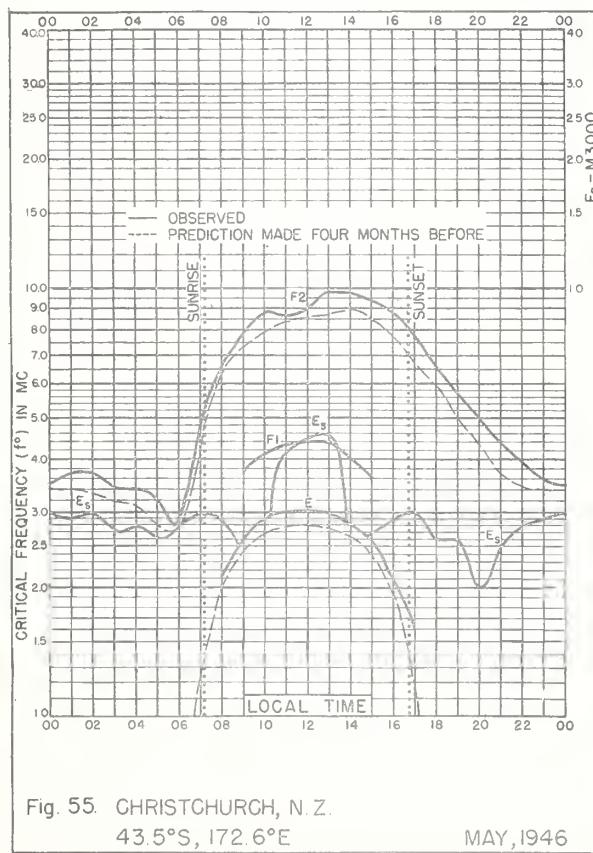
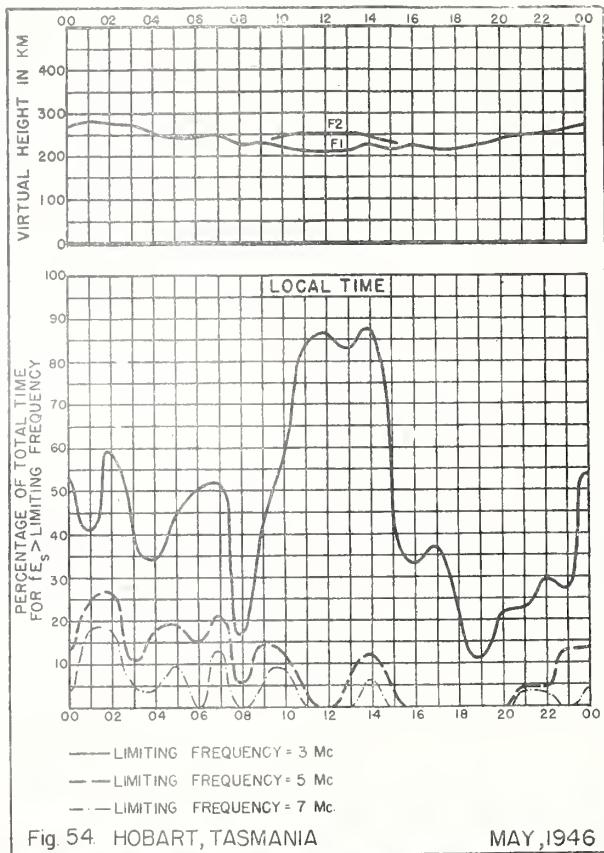
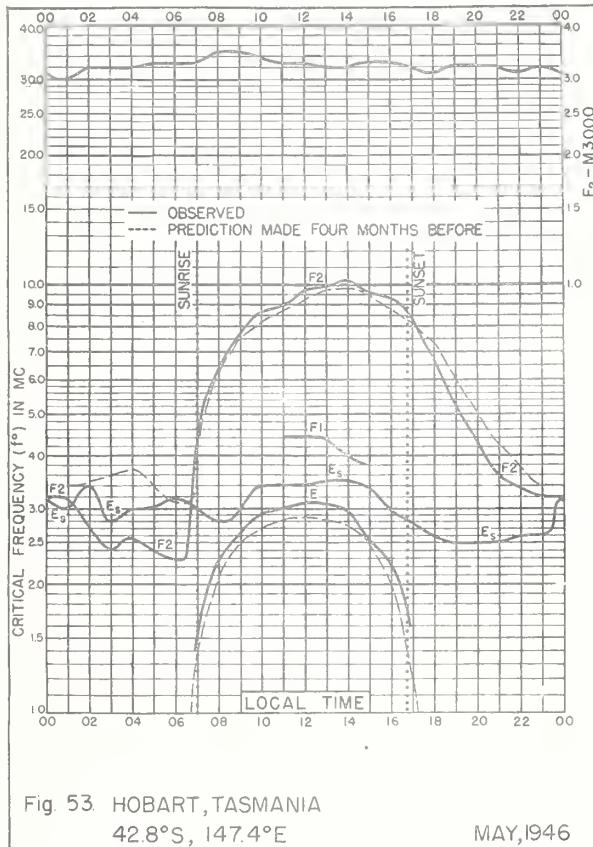
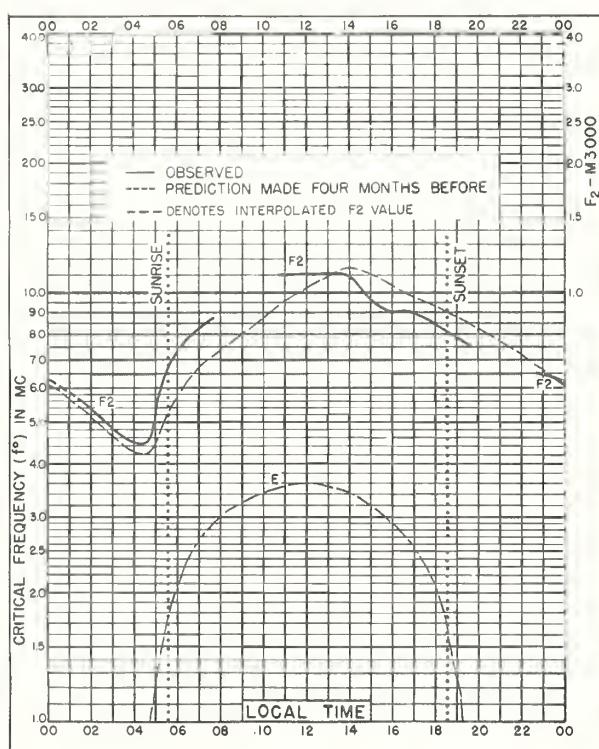
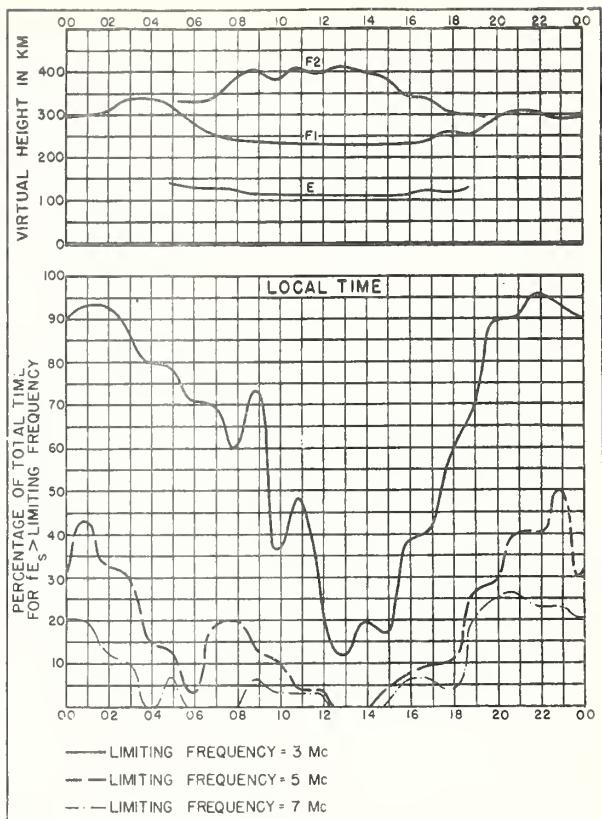
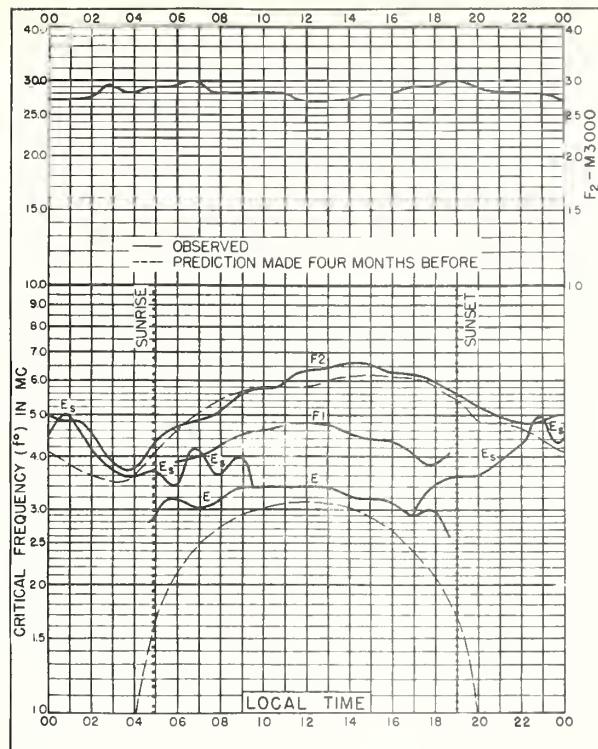


Fig. 52. CANBERRA, AUSTRALIA MAY, 1946





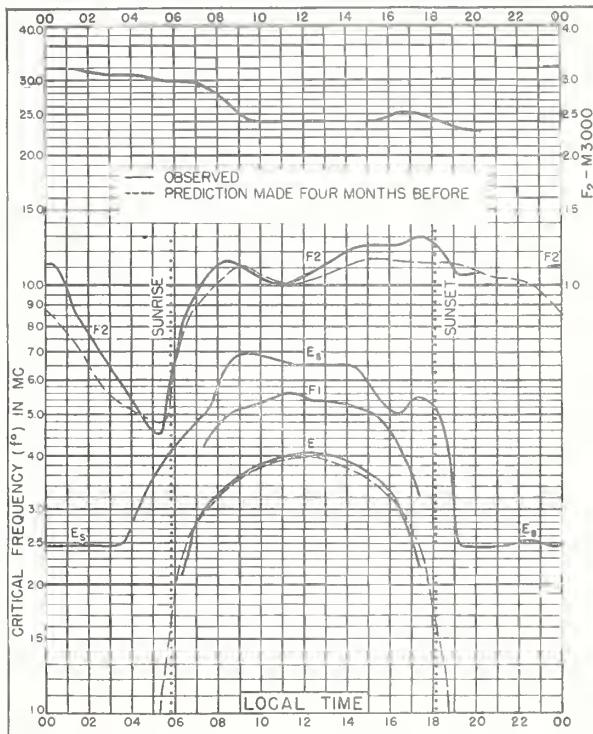


Fig. 60. LEYTE, PHILIPPINE IS

11.0°N, 125.0°E

APRIL, 1946

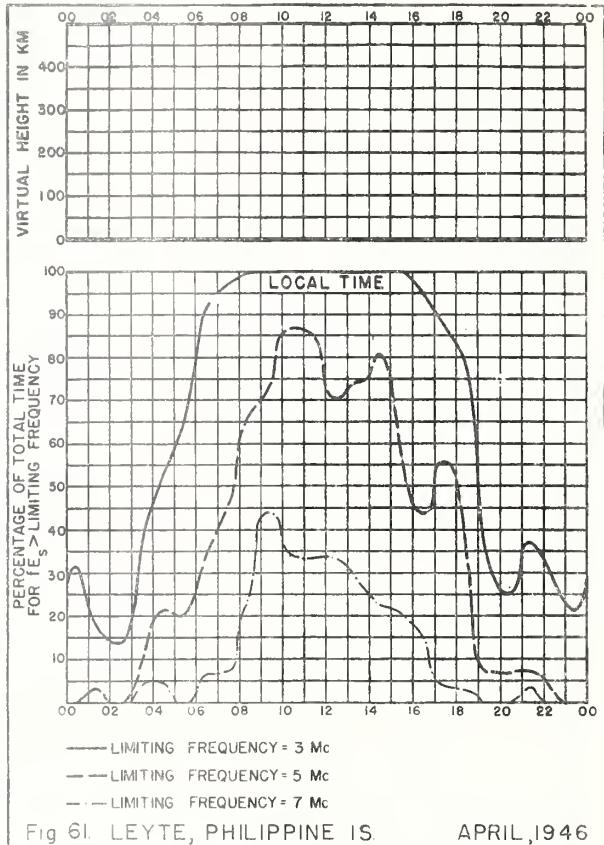


Fig. 61. LEYTE, PHILIPPINE IS

APRIL, 1946

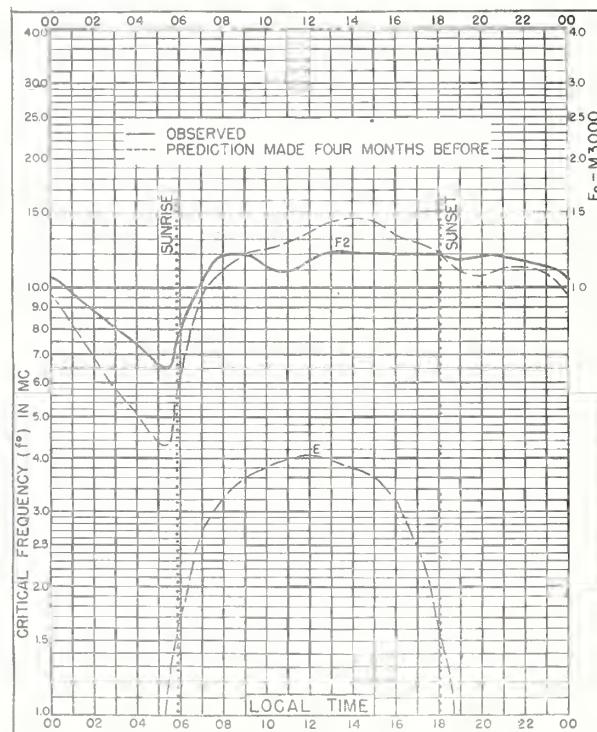
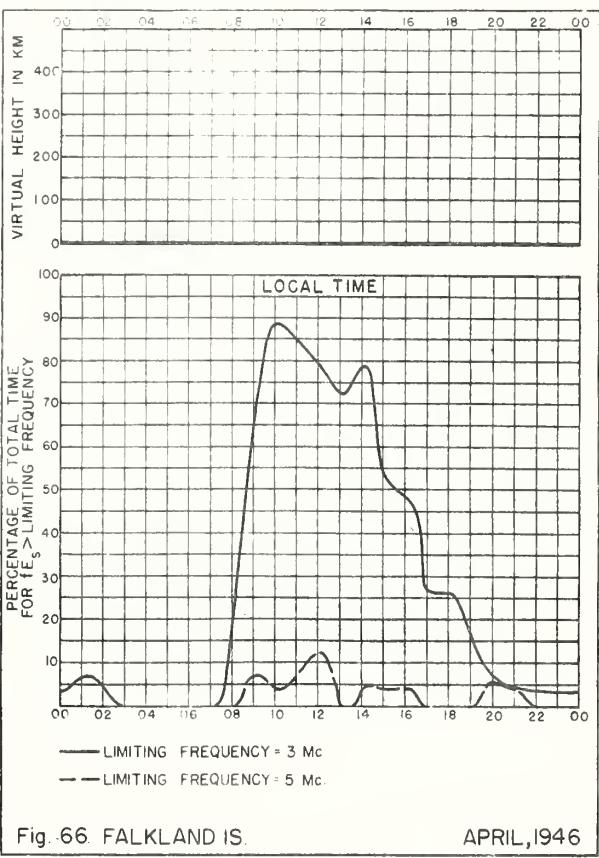
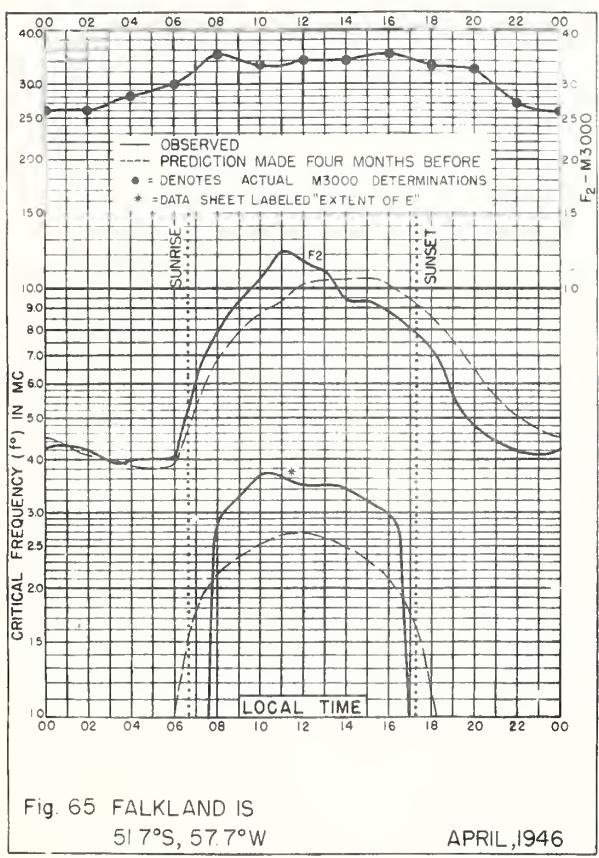
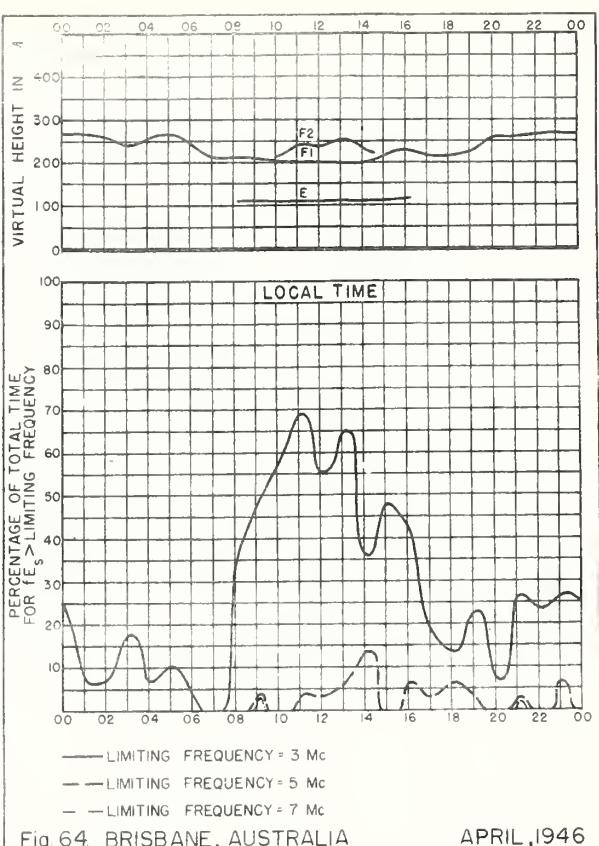
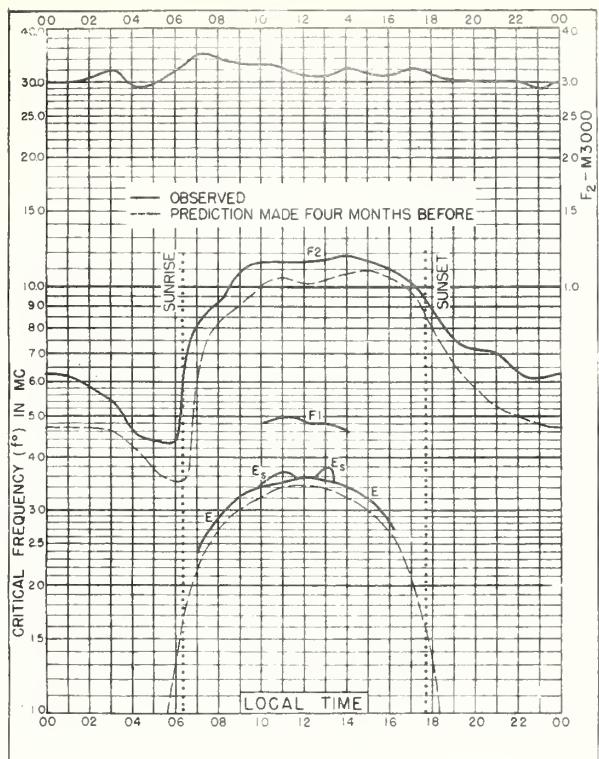
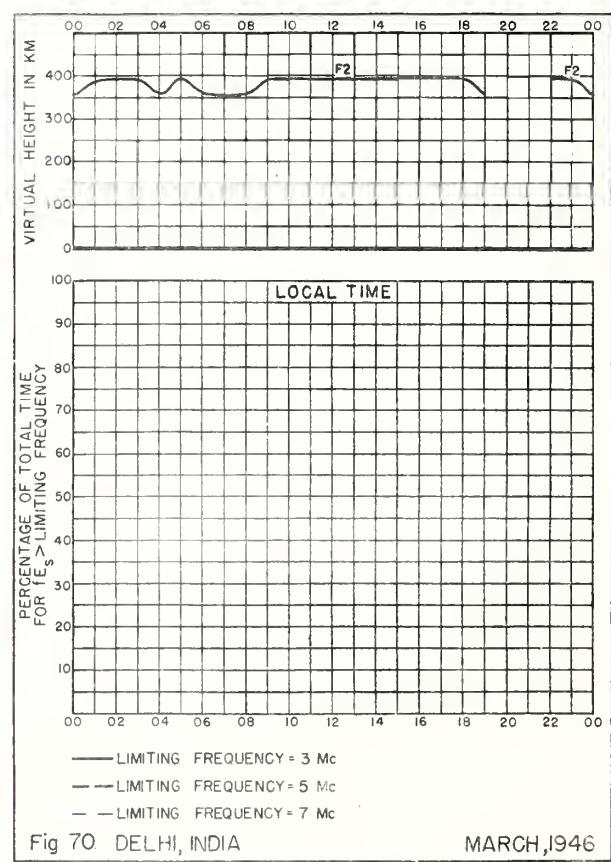
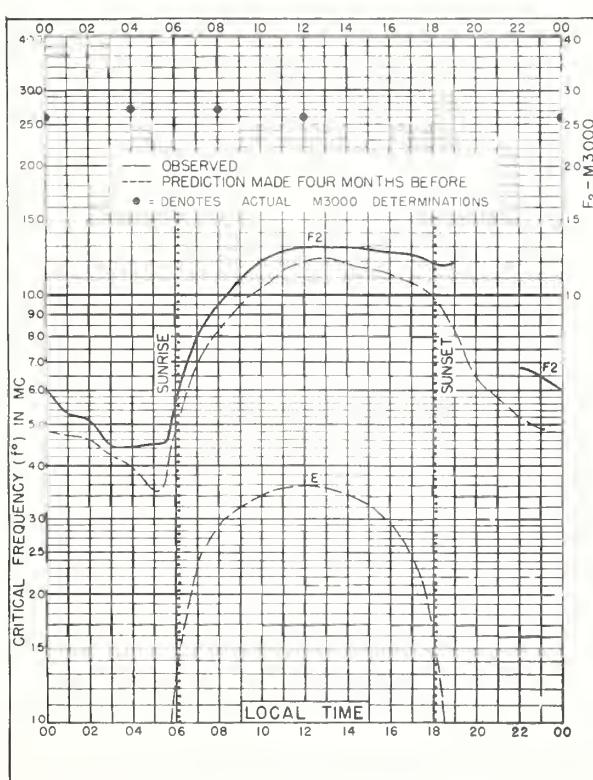
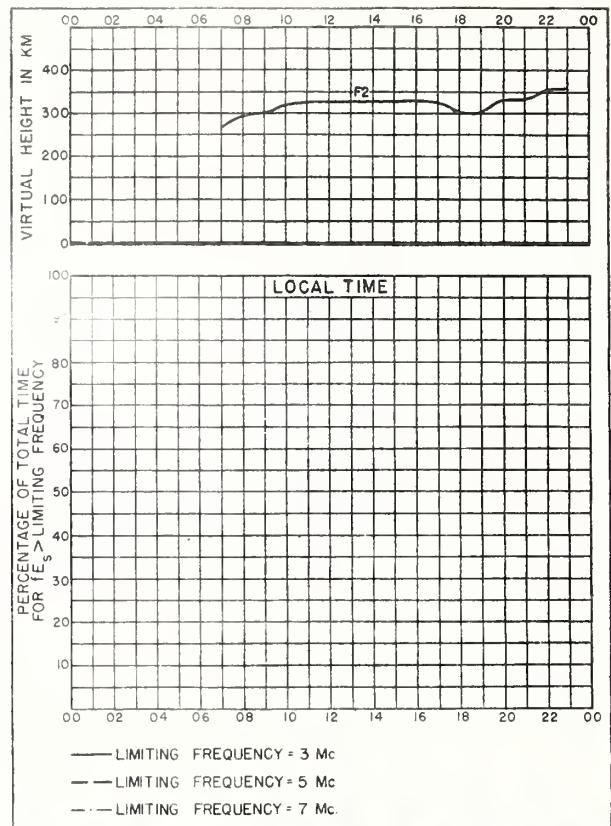
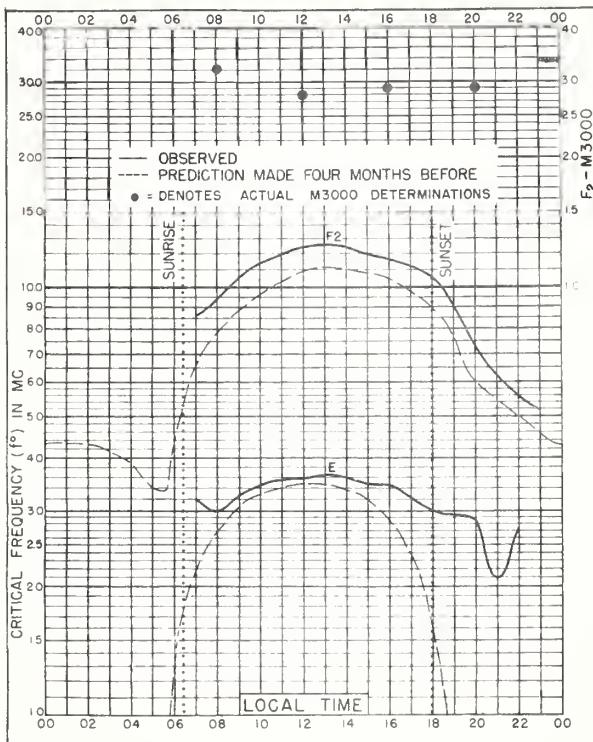


Fig. 62. SINGAPORE, BRITISH MALAYA

1.35°N, 103.8°E

APRIL, 1946





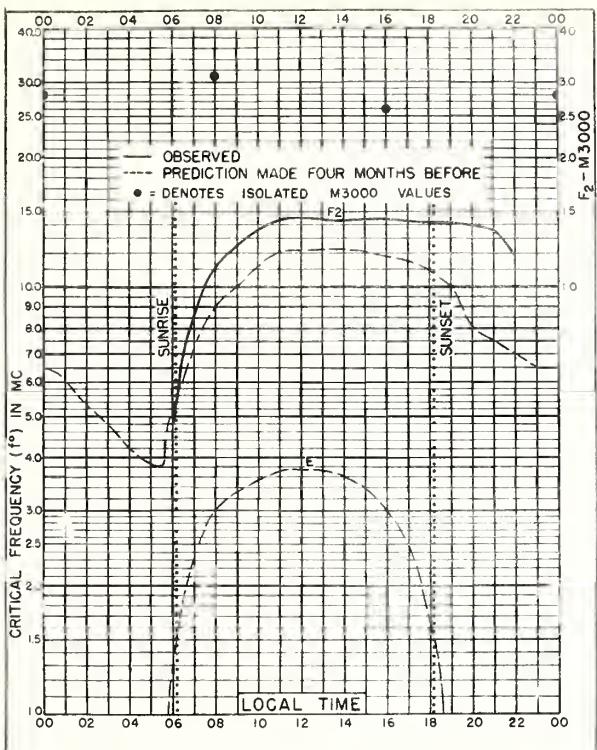


Fig. 71. BOMBAY, INDIA  
19.0°N, 73.0°E

MARCH, 1946

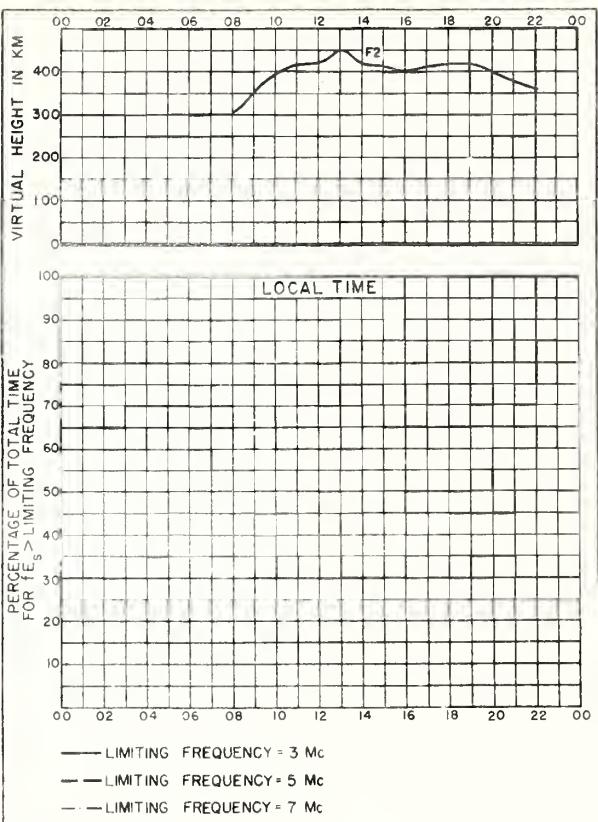


Fig. 72 BOMBAY, INDIA

MARCH, 1946

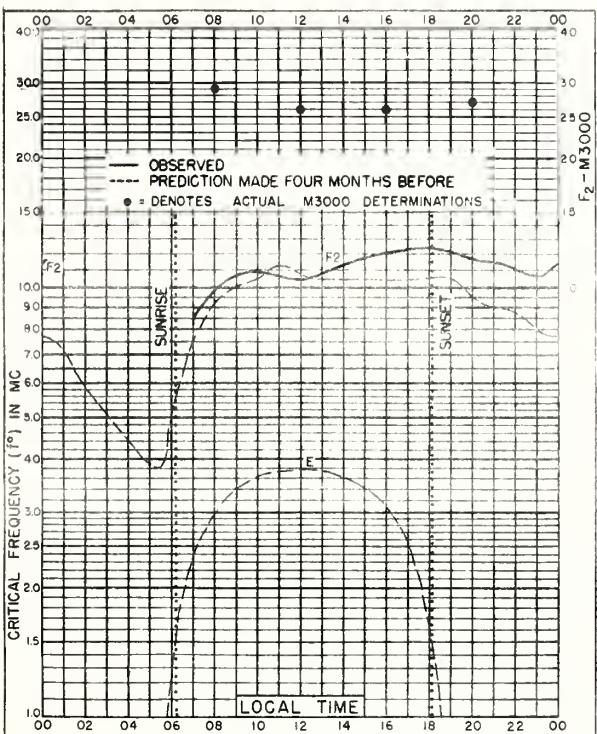


Fig. 73. MADRAS, INDIA  
13.0°N, 80.2°E

MARCH, 1946

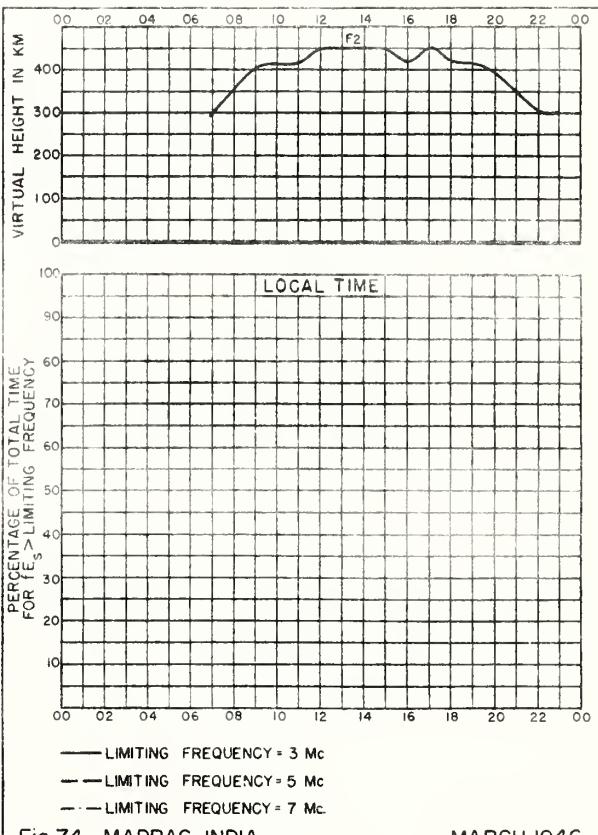


Fig. 74 MADRAS, INDIA

MARCH, 1946

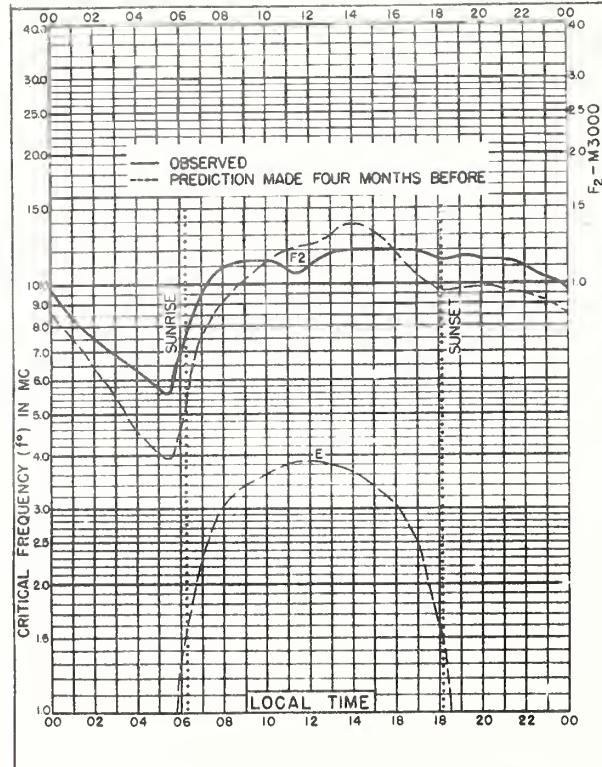


Fig 75 SINGAPORE, BRITISH MALAYA  
1.35°N, 103.8°E      MARCH, 1946

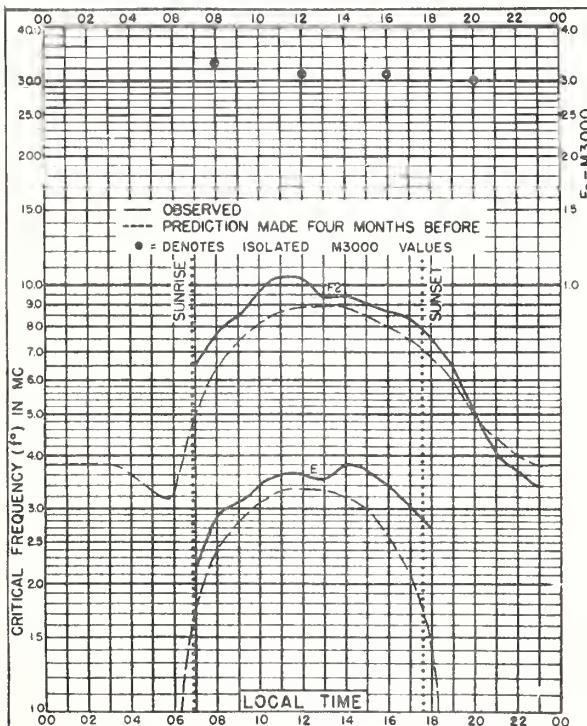
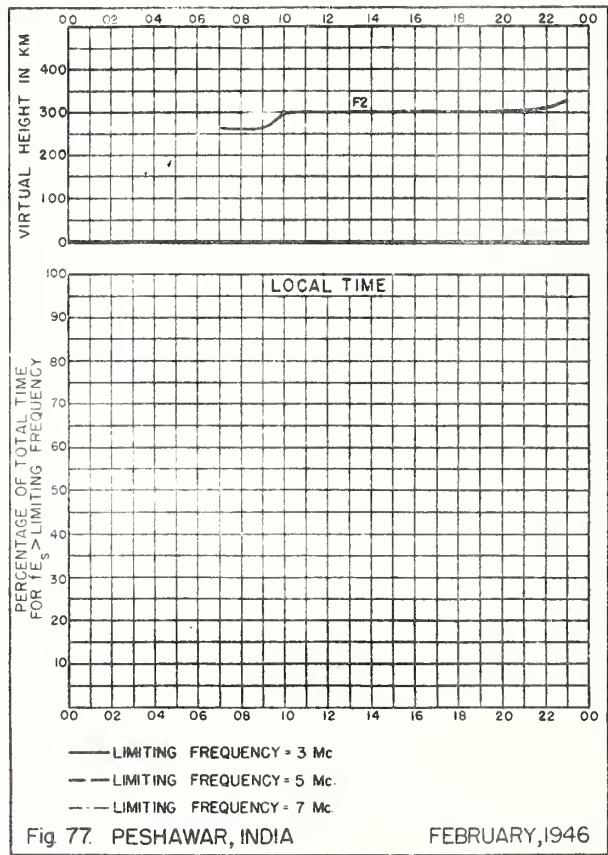


Fig 76 PESHAWAR, INDIA  
34.0°N 71.5°E      FEBRUARY, 1946



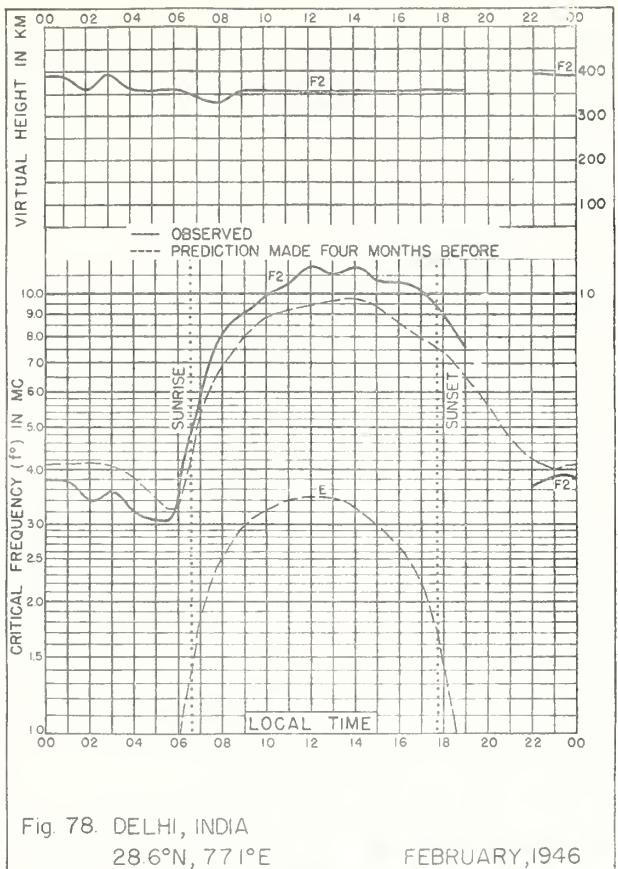


Fig. 78. DELHI, INDIA  
28.6°N, 77.1°E

FEBRUARY, 1946

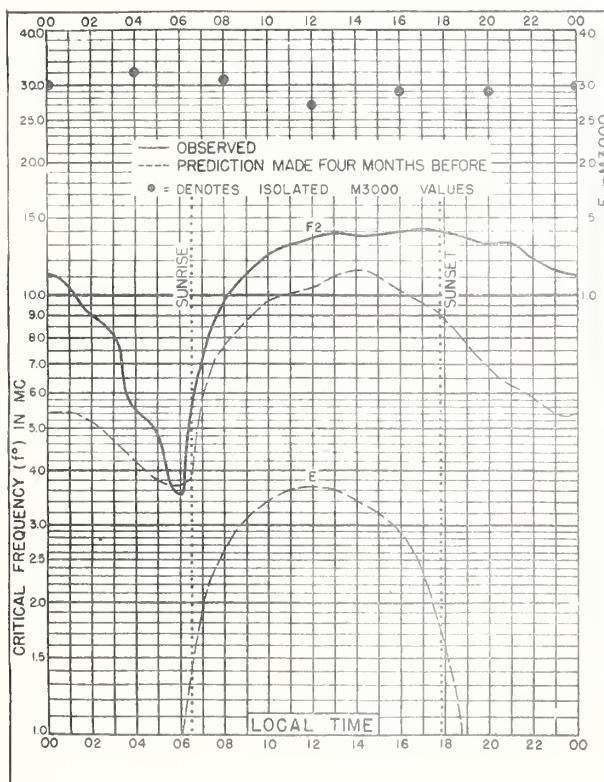


Fig. 79. BOMBAY, INDIA  
19.0°N, 73.0°E

FEBRUARY, 1946

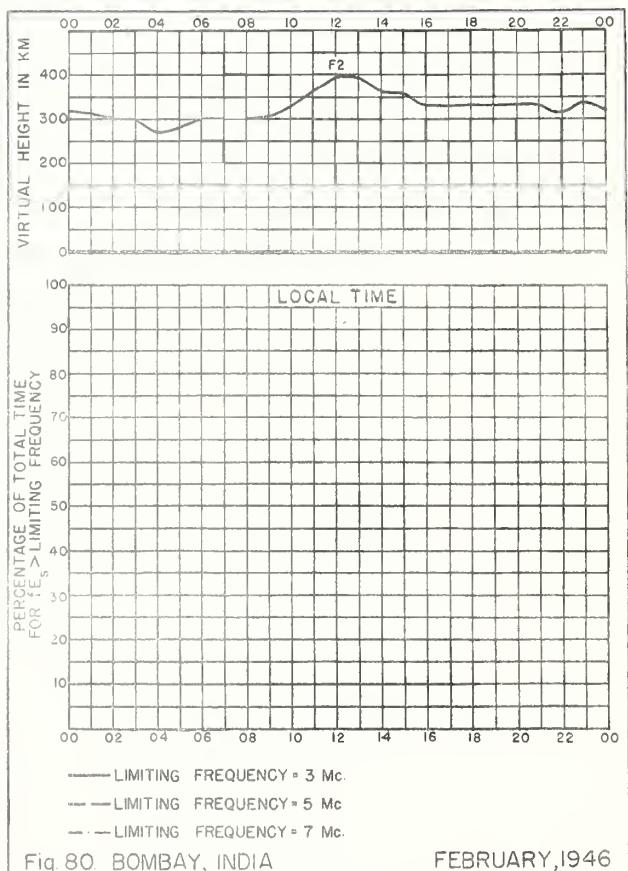
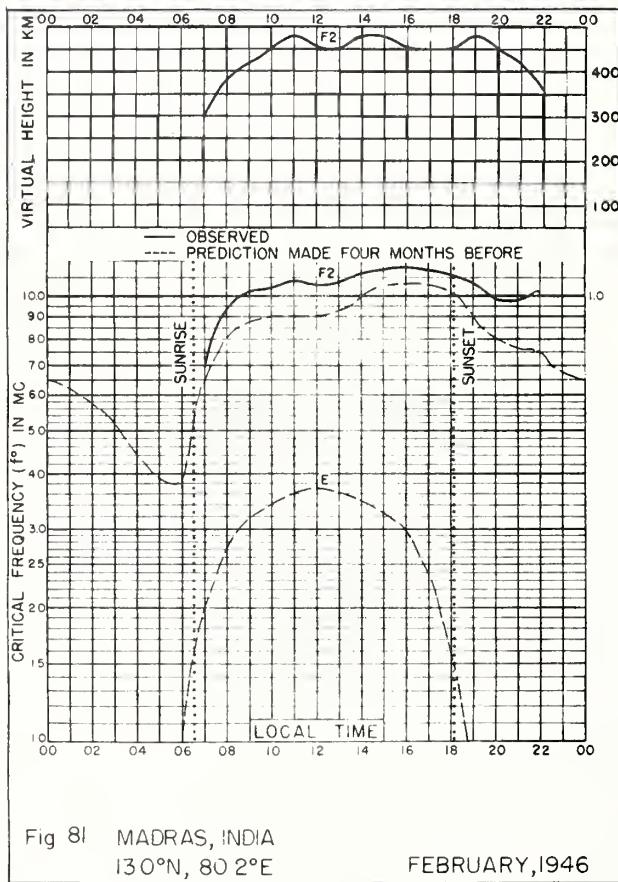


Fig. 80. BOMBAY, INDIA

FEBRUARY, 1946



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- R30. Disturbance Rating in Values of IRPL Quality - Figure Scale From A. T. & T. Co. Transmission Disturbance Reports to Replace T.D. Figures as Reported.
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