N.Z. DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH

APIA OBSERVATORY,

APIA, WESTERN SAMOA

ANNUAL REPORT

FOR

1944

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APIA OBSERVATORY

Annual Report for the Year 1944

Contents

Resident Staff, 1944

Acting Director	H.B. Sapsford B.Sc.
Professional Assistants	J. Finkelstein M.Sc. (until January 13th) A. Nicol M.A. R.O. Davies (from January 7th)
R.N.Z.A.F. Personnel at Observatory in connection with war work	G. Barber L.A.C. (until May 17th); F.T. Gilman L.A.C. (until January 13th); R.R. McPherson L.A.C. (until October 4th); Cpl. L.H.E. Mollring (until February 24th); C.N. Dickson L.A.C. (from January 7th) (until October 4th) Cpl. C.O. Scott (from February 19th); M.D. Clark A.C.I. (from May 14th)
Locally recruited staff	Miss H.M. Sasse; Siaosi Sumeo; Lafo Laulauga Alaiva'a Sio (until March 20th) Iosua (until August 31st) Paulo (until 31st January) Nofoa (from March 24th until May 12th) Otinelu (from May 30th) Ioane (from September 4th)

Co-ordinates of Transit Pier

Latitude	13° 48' 26"	South
Longitude	171° 46' 30"	West or 11h 27m 6s west of Greenwich
Altitude	Two metres above mean sea level	

Standards of Time

Greenwich Mean Time is used in terrestrial magnetism and seismology (12h = Greenwich midday). Zone Time (165° west of Greenwich) is used in meteorology.

Apia Observatory, Samoa

Report of the Director for the year 1944

The geophysical programme comprised observations in terrestrial magnetism, seismology, meteorology and tides. Details of instruments and other relevant information will be found in the preliminary remarks which introduce the respective sections of the report.

Staff:

Mr. H.B.Sapsford, who was Acting-Director, controlled the Observatory throughout the year. Changes in the professional assistants and locally recruited staff are given on the first page of this report.

Time Service:

The standard clock, Strasser and Rohde No. 381, which was controlled by daily wireless time signals was used to maintain an accurate time service. The time marks for the magnetographs and seismographs were provided by the Synchronome clock No. C 603. The control of this clock was such that it generally had an error of less than half a second. The Davison chronometer was used for magnetic work.

Tides:

The automatic recording of the tides was continued with the portable tide gauge No. 11664. Hourly scalings of heights of the tide together with times and heights of high and low water were forwarded to the United States Coast and Geodetic Survey in Washington.

Terrestrial Magnetism, 1944

This branch of the work consists of the continuous photographic recording of horizontal intensity (H), declination (D) and vertical intensity (Z), together with the usual observational programme for the control and reduction of the continuous records. The results are presented in this report in the form of tables.

Eschenhagen variometers record horizontal intensity and declination while vertical intensity is recorded by a Godhavn balance. These instruments are still in the concrete building, the Gauss Haus, in which they have been for many years. The H and D variometers are in the eastern room and the Z instrument is in the western room. The lenses of the H and D variometers are at distances of 128 and 174 centimetres respectively from the recording drum and the lens of the God-

havn balance is distant 162 centimetres from its drum.

The photographic papers are changed once a day at approximately 1900 hours G.M.T. and the temperature inside the variometer house is read at the same time. It has been found that the diurnal variation of temperature in the Gauss Haus is negligible and the variation throughout the year is also small. The highest temperature recorded during 1944 was 27.9°C and the lowest 25.1°C.

In 1937 the temperature coefficient of the H variometer was reduced to 0.25γ/°C. At the same time the Godhavn balance was adjusted to give the maximum compensation for temperature, the final temperature coefficient being 1.8γ/°C. With these coefficients the variation of temperature in the Gauss Haus is not considered to be large enough to warrant the application of temperature corrections to the ordinates measured from the magnetograms.

The sensitivity of the instruments was such that the H variometer had a scale value of about $2\frac{1}{2}$ gammas per millimetre, the Godhavn balance a little less than $1\frac{1}{2}$ gammas per millimetre, and the D variometer 1 minute of arc per millimetre. Accurate determinations of the scale values of the H and Z variometers were made about once a week and the values adopted are given at the end of this description. The scale values of the instruments were obtained by the electrical method using Helmholtz Gaugain coils.

Regular absolute observations were made of horizontal intensity, declination and inclination (I), the number of observations being 60 of H, 55 of D and 53 of I. The observation of H and D were made with C.I.W. magnetometer No. 9 which is on loan from the Department of Terrestrial Magnetism, Carnegie Institute, Washington. Inclination measurements were made with Schulze earth inductor No.2.

The method of observation with C.I.W. Magnetometer No. 9 is the same as that described by D.L.Hazard in "Directions for Magnetic Measurements" (United States Department of Commerce, Serial Number 166). The measurements have been reduced to International Magnetic Standard by applying a correction of -28γ, (-0.00079H) to Horizontal force and -0.2 of a minute of arc to declination. These corrections which are based on comparisons with the standard C.I.W. magnetometer No.3 at Washington, D.C., Nov. 6-10, 1934, have been applied since January 1937. The instrument was re-standardized in June 1937 by Mr. Parkinson of the Car-

negie Institute and Mr. Dyer of the Observatory staff. When the results of this intercomparison are available some amendments may be necessary to the values of H, D and Z in this report. The measurements of inclination have been reduced by applying a correction of -0.2 of a minute (reckoning southerly inclination negative). This correction was determined by the Department of Terrestrial Magnetism after comparison of Schulze earth inductor No. 2 with C.I.W. inductor No. 48 at Cheltenham in August 1939.

The base-line values of the records, which are computed from the absolute observations, are plotted on a graph. The adopted base-line values are read from a smooth curve drawn through the computed values. These are given at the end of this introduction.

The practice of measuring the ordinates on the magnetograms of H and D from the centre of the trace to the nearer edge of the base-line, and of Z from the centre of the trace to the further edge of the base-line, has been continued.

The hourly values of horizontal intensity and vertical intensity have been obtained by scaling the ordinates in millimetres and converting to gammas. The values of declination have been scaled in millimetres and converted to minutes of arc. The results have been presented in the form of departures of the hourly means from the mean value of the day. The daily mean is given under the column headed "Mean". The departures are based on mean values of the elements over periods of one hour between exact hours of Greenwich Mean Time. The column heading specifies the commencement of the hourly period: Thus column 0 refers to the period 0 to 1 hour G.M.T. and so on.

In both horizontal and vertical intensity the tabular values are in gammas while in declination the values are in tenths of a minute of arc. The values of vertical intensity shown in the tables are numerical values of the field strength the sense of the vertical force being given by the fact that in Samoa the south pole of the magnet dips.

International Quiet Days are indicated by a plus sign, thus:- +

The values of the diurnal variations of the magnetic elements have not been corrected for non-cyclic change. Values of the correction (N) have been computed and are given at the foot of the appropriate tables. The non-cyclic change N is the difference be-

tween the first and second midnights ($\bar{a}_{24} - \bar{a}_{o}$) of the mean day. Since hourly means are used and not instantaneous values, the midnight values have been estimated by taking the means of the two hourly periods centered at the midnights.

In the diurnal variation tables of declination and of the component Y it will be noticed that significant maxima usually occur within an hour or two of 03 hours and 17 hours G.M.T. The corresponding minima occur within an hour or two of 12 hours and 22 hours G.M.T. At the foot of these tables ranges A-a, B-a, A-b and B-b have been given where A and B refer to the first and second maxima respectively and a and b refer to the first and second minima respectively. There is occasionally a small fluctuation about 06 hours G.M.T. which introduces a third minimum and a corresponding maximum but ranges based on these are not given.

Tabulations of the three-hour range index "K" have been made and are given in this report. The method of determining "K" is the same as that described in the "Journal of Terrestrial Magnetism and Atmospheric Electricity", Volume 44 (1939), "K", as it has been found that at times of magnetic disturbance the range at this station is always greatest in H.

Adopted Scale Values:

Horizontal Intensity:

The values of the terms A and B occurring in the scale value equation $d\gamma/dn = A + Bn$ (where n = ordinate in millimetres) which were adopted during 1944 are as follows:

Date		A	B
January	1st - 31st	2.21	0.0038
February	1st - 29th	2.18	0.0038
March	1st - 31st	2.20	0.0036
April	1st - 30th	2.21	0.0038
May	1st - 31st	2.18	0.0038
June	1st - 30th	2.17	0.0036
July	1st - 31st	2.15	0.0036
August	1st - 31st	2.21	0.0034
September	1st - 30th	2.23	0.0038
October	1st - 31st	2.24	0.0036
November	1st - 30th	2.21	0.0040
December	1st - 31st	2.24	0.0040

Vertical Intensity:

The scale value was assumed to be linear, the following values being adopted.

January	1.43
February	1.42
March	1.43
April	1.43
May	1.44
June	1.47
July	1.46
August	1.48
September	1.50
October	1.50
November	1.49
December	1.51

Declination:

The scale value remained constant and equal to one minute of arc per millimetre.

Adopted Base Line Values:

The base line values of the magnetograms may be read from the following list in which the dates are given on which the base line assumes a new value.

Horizontal Intensity:

January	1st	34715,	5th	34716,	23rd	34717.		
February	1st	34717,	7th	34718,	18th	34719,	29th	34720.
March	1st	34720.						
April	1st	34721.						
May	1st	34721.						
June	1st	34721.						
July	1st	34721,	5th	34722,	14th	34723,	23rd	34724.
August	1st	34725,	10th	34726,	19th	34727,	28th	34728.
September	1st	34728,	6th	34729,	15th	34730,	24th	34731.
October	1st	34731,	3rd	34732,	12th	34733,	21st	34734,
	30th	34735.						
November	1st	34735,	8th	34736,	17th	34737,	26th	34738.
December	1st	34738.						

Vertical Intensity:

January	20591

February		20592				
March	1st	20592,	10th	20593,	19th	20594,
	28th	20595.				
April	1st	20595,	6th	20596,	15th	20597,
	24th	20598.				
May	1st	20598,	3rd	20599,	11th	20600.
June		20600.				
July		20600.				
August		20602.				
September		20602.				
October		20602.				
November		20602.				
December		20602.				

Declination:

		10°+....E				
January		27.5				
February		27.6				
March		27.6				
April		27.6				
May	1st	27.6,	6th	27.5,	14th	27.4,
	22nd	27.3,	30th	27.2.		
June	1st	27.2,	7th	27.1.		
July		27.1				
August		27.0				
September	1st	27.1,	11th	27.2,	19th	27.3,
	27th	27.4.				
October	1st	27.4,	5th	27.5,	13th	27.6,
	21st	27.7.				
November	1st	27.8				
December	1st	27.9				

Mean Values of Magnetic Elements, 1944

All Days

	D East	H gamma	X gamma	Y gamma	Z gamma
January	11°06.6'	34855	34203	6717	20655
February	06.9'	34855	34203	6719	20655
March	07.1'	34850	34196	6721	20654
April	07.5'	34844	34189	6723	20658
May	07.6'	34855	34201	6726	20658
June	07.7'	34857	34203	6727	20656
July	08.0'	34859	34204	6731	20652
August	08.4'	34856	34200	6735	20651
September	08.1'	34864	34209	6733	20651
October	09.1'	34860	34203	6742	20652
November	09.4'	34873	34215	6748	20651
December	09.6'	34857	34199	6747	20656
YEAR	11°08.0'	34857	34202	6731	20654

International Quiet Days

	D East	H gamma	X gamma	Y gamma	Z gamma
January	11°06!5	34864	34212	6717	20651
February	06.9	34863	34211	6721	29654
March	07.1	34864	34211	6723	20654
April	07.4	34857	34203	6725	20656
May	07.7	34865	34211	6729	20655
June	07.6	34862	34208	6728	20656
July	08.3	34866	34210	6735	20649
August	08.5	34856	34200	6736	20652
September	08.2	34872	34216	6736	20652
October	09.1	34866	34208	6743	20652
November	09.3	34879	34222	6748	20652
December	09.6	34873	34216	6750	20653
YEAR	11°08'.0	34866	34211	6733	20653

DIURNAL VARIATION OF HORIZONTAL INTENSITY
International Quiet Days, 1944
Not corrected for non-cyclic change. Unit: One gamma

G.M.T.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
0- 1	+23	+25	+23	+15	+ 8	+ 2	+12	+12	+10	+28	+20	+23	+17
1- 2	+17	+17	+17	+ 5	+ 4	0	+ 9	+ 3	+ 7	+19	+11	+13	+10
2- 3	+ 7	+ 5	+ 6	+ 1	- 1	0	+ 1	- 4	- 1	+ 7	+ 1	+ 2	+ 2
3- 4	- 5	- 5	- 4	- 1	- 5	- 4	- 6	- 9	- 7	- 4	- 7	- 8	- 5
4- 5	-11	-13	-11	- 4	- 6	- 7	- 9	-11	-11	-10	-12	-13	-10
5- 6	-16	-13	-13	- 7	- 7	- 9	-10	- 9	-13	-11	-12	-13	-11
6- 7	-14	-12	-14	- 8	- 7	-10	-10	- 8	-13	-12	-10	-11	-11
7- 8	-13	-11	-12	-11	- 7	-11	- 9	- 9	-13	-11	- 8	-11	-11
8- 9	-13	-11	-12	-11	- 8	-11	- 9	-10	-14	-14	- 8	-12	-11
9-10	-15	-11	-11	-10	- 9	-11	- 9	-11	-13	-14	- 8	-11	-11
10-11	-15	-10	-10	- 9	-10	-10	- 9	-11	-12	-13	- 7	-11	-11
11-12	-14	- 9	-10	- 9	-10	- 9	- 7	-10	-14	-12	- 7	-12	-10
12-13	-14	- 9	-10	- 8	- 9	- 9	- 5	- 9	-12	-10	- 9	-12	-10
13-14	-11	- 8	- 9	- 7	- 9	- 6	- 3	- 9	-11	- 9	- 9	-11	- 9
14-15	- 8	- 6	- 7	- 8	- 7	- 5	- 3	- 7	-11	- 6	- 8	-10	- 7
15-16	- 7	- 5	- 5	- 7	- 4	- 4	- 3	- 6	- 7	- 5	- 8	- 9	- 6
16-17	- 6	- 5	- 3	- 5	- 1	- 2	- 2	- 4	- 5	- 4	- 8	- 7	- 4
17-18	- 6	- 4	- 1	- 3	+ 2	+ 1	+ 1	- 1	- 3	- 6	- 9	- 5	- 3
18-19	- 5	- 2	0	+ 1	+ 9	+ 7	+ 5	+ 6	+ 7	- 6	- 7	- 2	+ 1
19-20	+ 5	+ 3	+ 4	+ 5	+14	+15	+11	+13	+16	0	+ 1	+ 3	+ 7
20-21	+17	+10	+10	+12	+18	+19	+13	+19	+26	+ 9	+13	+12	+15
21-22	+29	+21	+18	+19	+19	+21	+14	+23	+33	+19	+24	+25	+22
22-23	+36	+29	+26	+25	+18	+23	+15	+25	+35	+28	+32	+35	+27
23-24	+37	+31	+27	+25	+12	+22	+14	+25	+32	+32	+30	+36	+27
R	53	44	41	35	29	34	25	36	49	46	44	49	38
N	+ 6	+ 4	+ 1	+ 5	- 1	+ 3	- 1	+ 6	+15	+ 1	+ 3	+ 4	
No. of days.	4	5	5	4	5	5	3	5	5	3	5	4	

DIURNAL VARIATION OF VERTICAL INTENSITY
International Quiet Days, 1944
Not corrected for non-cyclic change. Unit: One gamma

G.M.T.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
0- 1	+ 3	- 1	+ 2	- 3	- 3	- 4	- 2	- 5	- 3	- 4	+ 4	+ 3	- 1
1- 2	+ 2	- 1	0	- 4	- 3	- 4	- 3	- 6	- 1	- 6	+ 3	+ 1	- 2
2- 3	- 2	- 2	- 2	- 5	- 3	- 4	- 3	- 6	0	- 9	+ 2	- 1	- 3
3- 4	- 7	- 2	- 3	- 4	- 3	- 2	- 3	- 5	- 1	- 9	- 1	- 3	- 4
4- 5	- 7	- 3	- 4	- 3	- 2	- 2	- 2	- 3	- 1	- 7	- 2	- 2	- 3
5- 6	- 4	- 2	- 3	- 2	- 2	- 2	- 1	- 1	- 2	- 4	- 1	- 2	- 2
6- 7	- 3	- 1	- 2	- 2	- 2	- 1	- 1	0	- 1	- 2	- 2	- 1	- 1
7- 8	- 1	0	0	- 1	- 2	- 1	0	0	- 1	- 1	- 1	- 1	- 1
8- 9	0	+ 1	+ 1	- 1	- 1	- 1	0	+ 1	- 1	0	- 1	0	0
9-10	+ 1	+ 1	+ 1	- 1	- 1	- 1	0	+ 1	- 1	0	0	+ 1	0
10-11	+ 1	+ 1	+ 2	- 1	0	0	0	+ 1	- 1	+ 1	+ 1	+ 2	+ 1
11-12	0	+ 1	+ 2	+ 1	+ 1	0	0	+ 1	0	+ 1	+ 1	+ 2	+ 1
12-13	0	+ 1	+ 3	+ 2	+ 1	0	0	+ 2	0	+ 1	+ 2	+ 2	+ 1
13-14	0	+ 2	+ 3	+ 2	+ 2	+ 1	+ 1	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2
14-15	+ 1	+ 3	+ 3	+ 3	+ 3	+ 1	0	+ 2	+ 3	+ 3	+ 2	+ 2	+ 2
15-16	0	+ 3	+ 3	+ 3	+ 3	+ 2	+ 1	+ 3	+ 4	+ 5	+ 2	+ 2	+ 3
16-17	0	+ 4	+ 4	+ 3	+ 3	+ 2	+ 1	+ 4	+ 4	+ 5	+ 2	+ 1	+ 3
17-18	0	+ 3	+ 3	+ 3	+ 2	+ 3	+ 2	+ 4	+ 4	+ 5	0	+ 1	+ 3
18-19	+ 1	+ 2	+ 2	+ 4	+ 3	+ 3	+ 3	+ 4	+ 4	+ 5	-1	+ 1	+ 3
19-20	+ 3	0	0	+ 3	+ 3	+ 4	+ 4	+ 4	+ 2	+ 4	- 3	- 1	+ 2
20-21	+ 4	- 2	- 2	+ 1	+ 3	+ 3	+ 3	+ 2	0	+ 2	- 3	- 4	+ 1
21-22	+ 4	- 2	- 4	+ 1	+ 2	+ 3	+ 1	- 1	- 1	+ 1	- 3	- 4	0
22-23	+ 1	- 3	- 5	0	- 1	+ 2	0	- 1	- 3	+ 2	- 1	- 1	- 1
23-24	- 3	- 5	- 5	- 1	- 2	0	- 2	- 3	- 4	+ 3	0	+ 1	- 2
R	11	9	9	9	6	8	7	10	8	14	7	7	7
N	- 6	- 5	+ 3	+ 1	+ 1	+ 1	- 2	- 2	- 1	+ 5	- 4	- 2	
No. of days.	1	5	5	4	5	5	3	5	5	3	5	4	

DIURNAL VARIATION OF DECLINATION
International Quiet Days 1944
Not corrected for non-cyclic change
Unit: One tenth of a minute of arc.

G.M.T.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
0- 1	+11	+13	+12	0	- 5	-12	-15	-11	+ 1	+24	+16	+20	+ 5
1- 2	+15	+18	+16	+ 6	+ 4	- 2	- 1	0	+ 7	+28	+18	+20	+11
2- 3	+13	+16	+13	+10	+10	+ 5	+ 7	+ 8	+ 9	+25	+16	+16	+12
3- 4	+ 9	+12	+ 9	+ 9	+10	+ 6	+ 8	+11	+ 7	+16	+14	+12	+10
4- 5	+ 6	+ 6	+ 7	+ 5	+ 7	+ 5	+ 6	+ 8	+ 6	+ 8	+12	+ 8	+ 7
5- 6	+ 5	+ 5	+ 7	+ 5	+ 5	+ 2	+ 4	+ 5	+ 6	+ 6	+11	+ 7	+ 6
6- 7	+ 9	+ 8	+ 7	+ 3	+ 2	+ 2	+ 2	+ 4	+ 5	+ 7	+ 8	+ 7	+ 5
7- 8	+ 9	+ 8	+ 5	+ 3	+ 1	0	a	+ 3	+ 3	+ 5	+ 5	+ 5	+ 4
8- 9	+ 7	+ 6	+ 3	+ 1	- 2	- 2	- 1	0	+ 2	+ 2	+ 5	+ 3	+ 2
9-10	+ 4	+ 4	+ 3	+ 1	- 2	- 3	- 2	- 1	0	- 2	+ 4	+ 1	+ 1
10-11	+ 1	+ 1	+ 1	- 1	- 3	- 4	- 2	- 2	- 1	- 1	+ 2	+ 1	- 1
11-12	- 1	- 1	- 1	- 1	- 3	- 4	- 2	- 1	- 1	0	- 1	- 1	- 1
12-13	- 1	- 2	- 2	- 1	- 3	- 4	- 2	- 1	- 1	0	- 1	- 1	- 2
13-14	- 1	- 2	- 2	- 1	- 2	- 2	- 1	+ 1	0	+ 1	- 1	- 3	- 1
14-15	- 1	- 2	- 1	+ 1	0	0	+ 1	+ 4	+ 1	+ 1	- 2	- 5	0
15-16	- 1	- 2	0	+ 2	+ 1	+ 3	+ 5	+ 5	+ 2	+ 1	- 2	- 4	+ 1
16-17	- 4	- 2	0	+ 2	+ 2	+ 5	+ 7	+ 7	+ 3	- 1	- 3	- 5	+ 1
17-18	-11	- 6	- 2	+ 3	+ 4	+ 6	+ 8	+ 7	+ 4	- 6	-14	- 9	- 1
18-19	-17	-18	-11	0	+ 8	+ 9	+ 9	+10	+ 1	-17	-24	18	- 6
19-20	-22	-26	-22	- 8	+ 1	+ 8	+ 9	+ 1	- 8	-31	-28	-31	-13
20-21	-21	-24	-20	-15	- 4	+ 2	+ 2	- 8	-12	-33	-27	-28	-16
21-22	-12	-18	-15	-15	-11	- 3	- 7	-17	-13	-27	-16	-16	-14
22-23	- 2	- 4	- 4	-10	-14	- 8	-15	-20	-11	-14	- 1	+ 3	- 8
23-24	+ 7	+11	+ 3	- 5	-11	-12	-18	-19	- 7	+ 1	+14	+15	- 2
N	+ 3	+ 4	- 3	- 1	+ 1	+ 2	+ 3	0	+ 1	-11	+ 5	+ 3	
A-a			18	11	13	10	10	13	10	30			14
B-a			2	4	11	13	11	12	5	3			3
A-b	37	44	38	25	24	18	26	31	22	61	46	51	28
B-b			22	18	22	21	27	30	17	34			17
No. of days	4	5	5	4	5	5	3	5	5	3	5	4	

DIURNAL VARIATION OF X, 1944
International Quiet Days. Unit: One gamma
Not corrected for non-cyclic change.

G.M.T.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
0- 1	+21	+21	+21	+15	+ 8	+ 4	+15	+14	+10	+22	+17	+19	+16
1- 2	+14	+13	+14	+ 4	+ 3	0	+ 9	+ 3	+ 6	+13	+ 7	+ 9	+ 8
2- 3	+ 4	+ 2	+ 3	- 1	- 3	- 1	0	- 6	- 3	+ 2	- 2	- 1	- 1
3- 4	- 7	- 7	- 6	- 3	- 7	- 5	- 8	-11	- 8	- 7	-10	-10	- 7
4- 5	-12	-14	-12	- 5	- 7	- 8	-10	-13	-12	-12	-14	-15	-11
5- 6	-17	-14	-14	- 8	- 8	- 9	-11	-10	-14	-12	-14	-14	-12
6- 7	-16	-14	-15	- 9	- 7	-10	-10	- 9	-14	-13	-12	-12	-12
7- 8	-15	-13	-13	-12	- 7	-11	- 9	-10	-14	-12	- 9	-12	-11
8- 9	-14	-12	-13	-11	- 8	-11	- 9	-10	-14	-14	- 9	-13	-11
9-10	-16	-12	-12	-10	- 9	-10	- 9	-11	-13	-14	- 9	-11	-11
10-11	-15	-10	-10	- 9	- 9	- 9	- 9	-11	-12	-13	- 7	-11	-10
11-12	-14	- 9	-10	- 9	- 9	- 8	- 7	-10	-14	-12	- 7	-12	-10
12-13	-14	- 9	-10	- 8	- 8	- 8	- 5	- 9	-12	-10	- 9	-12	- 9
13-14	-11	- 8	- 9	- 7	- 9	- 6	- 3	- 9	-11	- 9	- 9	-10	- 8
14-15	- 8	- 6	- 7	- 8	- 7	- 5	- 3	- 8	-11	- 6	- 8	- 9	- 7
15-16	- 7	- 5	- 5	- 7	- 4	- 5	- 4	- 7	- 7	- 5	- 8	- 8	- 6
16-17	- 5	- 5	- 3	- 5	-1	- 3	- 3	- 5	- 6	- 4	- 7	- 6	- 4
17-18	- 4	- 3	- 1	- 4	+ 1	0	- 1	- 2	- 4	- 5	- 6	- 3	- 3
18-19	- 2	+ 2	+ 2	+ 1	+ 7	+ 5	+ 3	+ 4	+ 7	- 3	- 2	+ 2	+ 2
19-20	+ 9	+ 8	+ 8	+ 7	+14	+13	+ 9	+13	+18	+ 6	+ 7	+ 9	+10
20-21	+21	+15	+14	+15	+19	+19	+13	+17	+27	+16	+18	+18	+18
21-22	+30	+25	+21	+22	+21	+22	+15	+26	+35	+24	+27	+27	+25
22-23	+35	+29	+26	+26	+21	+25	+18	+28	+36	+30	+31	+33	+28
23-24	+35	+28	+25	+25	+14	+24	+18	+28	+32	+31	+32	+32	+27
R.	52	43	41	38	30	36	29	41	50	45	46	48	40

DIURNAL VARIATION OF Y, 1944
International Quiet Days
Not corrected for non-cyclic change
Unit: One gamma.

G.M.T.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
0- 1	+16	+18	+17	+ 3	- 3	-12	-13	- 9	+ 3	+30	+20	+25	+ 8
1- 2	+18	+21	+19	+ 7	+ 5	- 2	+ 1	+ 1	+ 8	+32	+20	+23	+13
2- 3	+14	+17	+14	+10	+10	+ 5	+ 7	+ 7	+ 9	+26	+16	+16	+13
3- 4	+ 8	+11	+ 8	+ 9	+ 9	+ 5	+ 7	+ 9	+ 6	+15	+13	+10	+ 9
4- 5	+ 4	+ 3	+ 5	+ 4	+ 6	+ 4	+ 4	+ 6	+ 4	+ 6	+10	+ 5	+ 5
5- 6	+ 2	+ 2	+ 4	+ 4	+ 4	0	+ 2	+ 3	+ 3	+ 4	+ 9	+ 4	+ 3
6- 7	+ 6	+ 6	+ 4	+ 1	+ 1	0	0	+ 2	+ 2	+ 5	+ 6	+ 5	+ 3
7- 8	+ 6	+ 6	+ 3	+ 1	0	- 2	- 2	+ 1	0	+ 3	+ 3	+ 3	+ 2
8- 9	+ 4	+ 4	+ 1	- 1	- 4	- 4	- 3	- 2	- 1	- 1	+ 3	+ 1	0
9-10	+ 1	+ 2	+ 1	- 1	- 4	- 5	- 4	- 3	- 3	- 5	+ 2	- 1	- 2
10-11	- 2	- 1	- 1	- 3	- 5	- 6	- 4	- 4	- 3	- 4	+ 1	- 1	- 3
11-12	- 4	- 3	- 3	- 3	- 5	- 6	- 3	- 3	- 4	- 2	- 2	- 3	- 3
12-13	- 4	- 4	- 4	- 3	- 5	- 6	- 3	- 3	- 3	- 2	- 3	- 3	- 4
13-14	- 3	- 4	- 4	- 2	- 4	- 3	- 2	- 1	- 2	- 1	- 3	5	- 3
14-15	- 3	- 3	- 2	- 1	- 1	- 1	0	+ 3	- 1	0	- 4	- 7	- 2
15-16	- 2	- 3	- 1	+ 1	0	+ 2	+ 4	+ 4	+ 1	0	- 4	- 6	0
16-17	- 5	- 3	- 1	+ 1	+ 2	+ 5	+ 7	+ 6	+ 2	- 1	- 5	- 6	0
17-18	-12	- 7	- 2	+ 2	+ 4	+ 6	+ 8	+ 7	+ 3	- 7	-16	-10	- 2
18-19	-18	-18	-11	0	+10	+10	+10	+11	+ 2	-18	-25	-18	- 5
19-20	-21	-25	-21	- 7	+ 4	+11	+11	+ 4	- 5	-31	-28	-30	-11
20-21	-18	-22	-18	-13	0	+ 6	+ 5	- 4	- 7	-31	-24	-26	-13
21-22	- 6	-14	-11	-11	- 7	+ 1	- 4	-12	- 6	-23	-11	-11	- 9
22-23	+ 5	+ 2	+ 1	- 5	-10	- 3	-12	-15	- 4	- 8	+ 5	+10	- 3
23-24	+14	+17	+ 8	0	- 9	- 8	-15	-14	- 1	+ 7	+20	+22	+ 3
A-a			23	13	15	11	11	13	13	37			17
3-a			3	5	15	17	15	15	7	5			4
A-b	39	46	40	23	20	17	22	24	16	63	48	55	26
3-b			20	15	20	17	26	26	10	31			13

DIURNAL VARIATION OF HORIZONTAL INTENSITY
All Days, 1944.
Not corrected for non-cyclic change. Unit: One gamma

G.M.T.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
0- 1	+23	+25	+20	+17	+ 6	+ 6	+15	+17	+15	+17	+25	+24	+17
1- 2	+16	+18	+12	+ 8	+ 1	+ 2	+ 9	+ 8	+ 7	+ 9	+17	+16	+10
2- 3	+ 7	+ 8	+ 2	0	- 3	- 1	+ 2	0	- 1	0	+ 6	+ 5	+ 2
3- 4	- 4	- 1	- 7	- 3	- 5	- 5	- 6	- 5	- 6	- 7	- 4	- 4	- 5
4- 5	-10	- 8	-13	- 5	- 8	- 7	-10	- 8	- 9	-11	-10	- 9	- 9
5- 6	-12	-10	-15	- 9	- 9	- 7	-10	- 9	-11	-12	-12	-11	-11
6- 7	-11	-12	-13	-12	-10	- 8	-10	- 9	-12	-11	-12	-12	-11
7- 8	-10	-12	-12	-15	-10	- 9	-11	-12	-12	- 9	-12	-12	-11
8- 9	-10	-11	-11	-16	- 9	- 9	-11	-13	-12	-10	-12	-11	-11
9-10	- 9	-10	-10	-14	-10	- 9	-11	-13	-13	-10	-13	-10	-11
10-11	- 9	-10	- 9	-11	- 8	-10	-10	-14	-11	- 8	-12	- 8	-10
11-12	- 9	-11	- 8	-10	- 5	- 9	- 9	-13	-10	- 7	-11	- 7	- 9
12-13	- 8	- 8	- 4	- 9	- 6	- 8	- 8	-12	- 9	- 6	- 9	- 7	- 7
13-14	- 7	- 5	- 4	- 7	- 6	- 6	- 7	-11	- 9	- 6	- 8	- 8	- 7
14-15	- 5	- 5	- 3	- 5	- 4	- 5	- 6	- 9	- 7	- 4	- 8	- 5	- 5
15-16	- 5	- 5	- 1	- 3	- 3	- 3	- 5	- 6	- 5	- 3	- 8	- 8	- 5
16-17	- 5	- 5	0	- 1	- 1	- 1	- 3	- 4	- 3	- 3	- 7	- 9	- 3
17-18	- 5	- 6	0	+ 2	+ 2	+ 1	0	0	0	- 2	- 6	- 7	- 2
18-19	- 5	- 6	0	+ 5	+ 8	+ 8	+ 6	+ 7	+ 7	0	- 4	- 6	+ 2
19-20	- 1	- 2	+ 3	+ 9	+13	+13	+12	+15	+14	+ 5	+ 3	- 1	+ 7
20-21	+ 7	+ 7	+ 9	+14	+16	+16	+16	+19	+20	+13	+13	+ 9	+13
21-22	+19	+17	+17	+20	+19	+18	+18	+23	+24	+19	+23	+21	+20
22-23	+27	+25	+23	+24	+19	+17	+21	+24	+24	+23	+30	+29	+24
23-24	+27	+28	+23	+23	+14	+14	+20	+23	+20	+24	+31	+30	+23
R	39	40	38	40	29	28	32	38	37	36	44	42	35
N	0	+ 1	- 1	0	0	+ 3	0	- 1	- 1	+ 2	0	0	

DIURNAL VARIATION OF DECLINATION
All Days, 1944
Not corrected for non-cyclic change. Unit: One tenth of a minute of arc

G.M.T.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
0- 1	+15	+18	+14	+ 1	- 7	-10	-10	- 7	+ 1	+15	+18	+20	+ 6
1- 2	+19	+21	+17	+ 4	+ 1	- 3	- 3	+ 3	+ 8	+20	+18	+21	+11
2- 3	+18	+18	+15	+ 9	+ 9	+ 5	+ 4	+10	+11	+18	+16	+19	+13
3- 4	+14	+13	+11	+10	+11	+ 8	+ 6	+10	+10	+12	+12	+15	+11
4- 5	+10	+ 8	+ 8	+ 7	+ 7	+ 6	+ 3	+ 7	+ 7	+ 8	+10	+12	+ 8
5- 6	+10	+ 6	+ 8	+ 5	+ 4	+ 3	+ 2	+ 4	+ 5	+ 7	+ 9	+11	+ 6
6- 7	+10	+ 8	+ 7	+ 4	+ 2	+ 2	+ 1	+ 4	+ 4	+ 6	+ 9	+11	+ 6
7- 8	+ 9	+ 7	+ 4	+ 1	0	0	+ 1	+ 2	+ 2	+ 4	+ 6	+ 9	+ 4
8- 9	+ 7	+ 5	+ 1	- 1	- 1	- 2	- 1	0	0	+ 3	+ 4	+ 5	+ 2
9-10	+ 3	+ 2	- 1	- 2	- 2	- 3	- 3	- 1	- 2	0	+ 1	+ 1	- 1
10-11	0	- 1	- 3	- 3	- 3	- 4	- 3	- 3	- 2	- 1	0	- 1	- 2
11-12	- 2	- 3	- 3	- 3	- 3	- 4	- 3	- 2	- 2	- 1	- 2	- 4	- 3
12-13	- 4	- 4	- 3	- 2	- 3	- 3	- 3	- 2	- 2	0	- 2	- 6	- 3
13-14	- 4	- 4	- 3	- 1	- 1	- 1	0	0	0	+ 1	- 3	- 7	- 2
14-15	- 5	- 3	- 2	+ 1	+ 1	+ 1	+ 2	+ 2	+ 2	+ 2	- 2	- 8	- 1
15-16	- 5	- 3	- 1	+ 2	+ 3	+ 3	+ 4	+ 4	+ 5	+ 3	- 1	- 6	- 1
16-17	- 5	- 4	0	+ 3	+ 4	+ 5	+ 5	+ 6	+ 5	+ 2	- 2	- 5	+ 1
17-18	-10	-10	- 3	+ 4	+ 6	+ 6	+ 7	+ 7	+ 5	- 5	-10	-12	- 1
18-19	-17	-21	-11	+ 2	+ 8	-10	+11	+ 9	+ 1	-15	-20	-22	- 5
19-20	-24	-27	-21	- 5	+ 4	+ 9	+ 9	+ 2	- 8	-26	-27	-28	-12
20-21	-23	-23	-21	-11	- 4	+ 2	+ 2	- 8	-13	-28	-26	-24	-15
21-22	-17	-14	-14	-12	-10	- 5	- 6	-16	-15	-22	-16	-14	-13
22-23	- 5	0	- 4	- 8	-13	-11	-12	-18	-13	- 9	- 2	+ 1	- 8
23-24	+ 7	+12	+ 7	- 3	-12	-13	-14	-15	- 8	+ 6	+11	+13	- 1
N	0	+ 1	0	0	0	0	0	+ 1	- 1	+ 1	0	- 1	
A-a		25	20	13	14	12	9	13	13	21	21		16
B-a		1	3	7	11	14	14	12	7	4	2		4
A-b	43	48	38	22	24	21	20	28	26	48	45	49	28
B-b		24	21	16	21	23	25	27	20	31	26		16

DIURNAL VARIATION OF VERTICAL INTENSITY
All Days, 1944.
Not corrected for non-cyclic change. Unit: One gamma.

G.M.T.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
0- 1	- 1	- 1	- 3	- 2	- 4	- 3	- 3	- 4	- 5	- 3	0	+ 1	- 2
1- 2	- 1	- 1	- 4	- 3	- 5	- 4	- 3	- 5	- 5	- 3	- 1	+ 1	- 3
2- 3	- 2	- 2	- 4	- 4	- 4	- 3	- 3	- 5	- 5	- 3	- 3	- 1	- 3
3- 4	- 3	- 2	- 5	- 4	- 3	- 2	- 3	- 4	- 3	- 4	- 4	- 2	- 3
4- 5	- 3	- 2	- 4	- 3	- 2	- 1	- 2	- 3	- 2	- 3	- 4	- 1	- 3
5- 6	- 2	- 2	- 3	- 3	- 2	- 2	- 2	- 2	- 2	- 2	- 2	- 1	- 2
6- 7	- 1	- 1	- 2	- 3	- 2	- 2	- 2	- 1	- 1	- 1	- 2	- 1	- 2
7- 8	0	- 1	- 1	- 2	- 1	- 2	- 1	- 1	- 1	- 1	- 1	0	- 1
8- 9	+ 1	0	0	- 2	- 1	- 2	- 1	- 1	0	0	0	0	- 1
9-10	+ 1	+ 1	+ 1	- 1	0	- 1	- 1	- 1	0	0	0	0	0
10-11	+ 1	+ 1	+ 1	0	0	- 1	0	0	+ 1	+ 1	+ 1	0	0
11-12	+ 1	+ 1	+ 2	+ 1	+ 1	0	0	0	+ 2	+ 2	+ 1	+ 1	+ 1
12-13	+ 2	+ 2	+ 3	+ 2	+ 1	+ 1	+ 1	+ 1	+ 2	+ 3	+ 2	+ 1	+ 2
13-14	+ 2	+ 3	+ 4	+ 3	+ 2	+ 1	+ 1	+ 2	+ 3	+ 4	+ 3	+ 1	+ 2
14-15	+ 3	+ 4	+ 4	+ 3	+ 2	+ 2	+ 1	+ 3	+ 4	+ 5	+ 3	+ 1	+ 3
15-16	+ 3	+ 4	+ 5	+ 4	+ 3	+ 2	+ 2	+ 4	+ 5	+ 5	+ 3	+ 2	+ 3
16-17	+ 3	+ 3	+ 5	+ 3	+ 3	+ 2	+ 2	+ 4	+ 5	+ 5	+ 3	+ 2	+ 3
17-18	+ 3	+ 2	+ 4	+ 3	+ 3	+ 2	+ 2	+ 4	+ 5	+ 4	+ 3	+ 1	+ 3
18-19	+ 2	0	+ 3	+ 3	+ 3	+ 3	+ 3	+ 5	+ 5	+ 2	+ 1	0	+ 3
19-20	- 1	- 2	0	+ 2	+ 4	+ 3	+ 4	+ 4	+ 2	- 1	0	- 2	+ 1
20-21	- 2	- 3	- 1	+ 1	+ 3	+ 3	+ 3	+ 2	0	- 3	- 1	- 2	0
21-22	- 2	- 3	- 2	+ 1	+ 2	+ 3	+ 2	+ 1	- 2	- 4	- 2	- 1	- 1
22-23	- 2	- 2	- 2	0	0	+ 2	+ 1	- 1	- 4	- 3	- 1	0	- 1
23-24	- 2	0	- 2	- 1	- 2	- 1	- 1	- 3	- 5	- 2	0	+ 2	- 1
R	6	7	10	8	9	7	7	10	10	9	7	4	6
N	0	0	0	-1	0	0	0	- 1	- 1	+ 1	0	+ 1	

VALUES OF "K" AT APIA FOR JANUARY 1944

HOUR	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24
DATE								
1st.	3	3	3	3	3	3	4	2
2nd.	3	2	2	2	1	2	1	2
3rd.	3	3	1	1	2	1	1	2
4th.	2	0	1	0	2	1	2	2
5th.	4	3	2	2	1	3	-	-
6th.	-	-	-	-	-	-	-	4
7th.	2	1	2	2	1	0	2	2
8th.	3	2	1	3	1	1	0	2
9th.	3	3	1	2	2	2	2	3
10th.	1	3	3	2	2	2	3	5
11th.	3	3	2	4	2	4	4	2
12th.	3	3	2	3	3	3	2	3
13th.	4	3	4	3	2	2	3	3
14th.	3	3	3	3	3	3	3	3
15th.	2	3	3	1	2	3	4	4
16th.	3	2	3	4	1	2	2	3
17th.	3	3	3	2	2	2	3	2
18th.	3	3	2	3	3	2	3	2
19th.	2	2	2	1	0	2	3	2
20th.	2	2	2	2	1	3	4	3
21st.	3	2	1	2	2	0	3	2
22nd.	2	2	2	1	1	0	1	2
23rd.	1	1	1	2	0	1	2	3
24th.	2	2	2	1	1	3	2	1
25th.	2	3	1	2	2	2	2	3
26th.	2	1	1	2	4	4	3	3
27th.	2	3	3	3	3	0	4	2
28th.	3	3	2	2	2	1	2	1
29th.	2	2	2	2	2	1	2	3
30th.	2	2	0	1	3	1	1	1
31st.	2	1	1	1	2	1	4	3

VALUES OF "K" AT APIA FOR FEBRUARY 1944

HOUR	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24
DATE								
1st.	3	2	1	1	2	2	3	3
2nd.	2	3	3	0	2	2	3	3
3rd.	2	2	0	0	1	0	3	3
4th.	2	2	2	2	2	3	2	3
5th.	3	1	2	1	1	1	2	2
6th.	1	2	0	0	2	1	3	0
7th.	3	3	4	3	4	3	3	3
8th.	3	3	3	2	3	3	4	3
9th.	3	2	3	4	3	2	3	2
10th.	3	3	3	3	2	2	3	2
11th.	-	-	-	-	-	-	-	1
12th.	3	2	1	2	3	2	3	1
13th.	1	1	2	0	2	2	2	3
14th.	4	6	5	5	4	2	3	3
15th.	3	2	2	3	2	2	3	3
16th.	1	3	3	3	2	2	2	3
17th.	2	2	2	1	2	0	3	3
18th.	2	2	0	2	1	0	3	1
19th.	2	2	2	1	0	1	3	1
20th.	2	3	3	4	4	2	2	2
21st.	2	2	2	2	2	1	2	2
22nd.	2	2	1	1	1	0	2	2
23rd.	1	1	0	0	1	0	3	2
24th.	1	2	1	1	1	0	2	0
25th.	2	2	0	2	0	0	0	0
26th.	0	3	1	2	2	1	0	0
27th.	2	2	0	0	2	0	3	2
28th.	3	1	2	2	2	0	2	3
29th.	2	3	3	2	3	2	3	3

VALUES OF "K" AT APIA FOR MARCH 1944

HOUR	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24
DATE								
1st.	3	3	3	1	1	0	3	3
2nd.	2	2	1	2	2	1	3	1
3rd.	1	2	2	1	0	0	0	1
4th.	4	4	2	4	4	1	1	2
5th.	2	1	0	1	2	2	2	3
6th.	3	3	3	3	3	2	4	2
7th.	4	3	3	3	3	3	2	3
8th.	3	2	3	2	4	2	3	2
9th.	4	3	2	4	4	2	1	3
10th.	3	3	4	4	4	4	2	3
11th.	3	2	2	3	1	1	2	2
12th.	2	3	3	2	1	4	3	2
13th.	3	3	2	3	2	1	2	3
14th.	4	2	2	3	2	1	2	2
15th.	2	1	1	0	1	0	3	2
16th.	2	3	1	2	2	0	0	1
17th.	1	1	1	0	0	0	1	2
18th.	1	2	3	1	1	1	4	5
19th.	5	4	3	3	3	1	3	4
20th.	3	0	1	3	1	0	2	2
21st.	2	1	2	0	1	0	1	2
22nd.	3	3	3	4	3	2	0	2
23rd.	2	3	2	2	2	0	1	3
24th.	2	1	1	1	2	2	1	3
25th.	1	2	1	3	3	2	4	3
26th.	3	4	4	5	4	2	2	5
27th.	6	4	5	4	1	2	3	2
28th.	3	2	1	2	1	1	2	4
29th.	3	4	4	4	2	0	3	2
30th.	3	2	3	1	2	2	0	4
31st.	3	2	3	3	2	0	1	2

VALUES OF "K" AT APIA FOR APRIL 1944

0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24
2	3	2	2	2	1	4	3
4	5	8	6	5	4	2	3
4	5	2	1	1	0	3	3
3	3	4	5	3	1	2	2
2	3	2	4	3	1	2	3
2	3	3	4	1	2	2	2
4	3	2	2	2	0	3	3
2	2	2	2	4	0	2	2
3	2	1	1	1	2	4	2
1	4	4	4	3	1	2	3
3	2	2	2	2	2	3	3
3	3	2	3	1	0	2	2
2	2	0	0	0	0	2	1
1	2	-	-	-	-	-	-
-	-	1	1	3	3	4	4
5	3	4	3	2	3	2	3
2	3	1	2	2	1	0	4
2	1	1	2	0	1	2	2
3	2	0	1	1	1	2	0
0	2	2	1	0	0	2	3
2	2	1	1	2	1	1	3
2	0	0	0	0	0	1	2
2	2	2	0	0	0	0	1
4	5	3	4	2	0	2	3
4	2	1	2	1	0	3	2
2	3	2	2	0	2	2	3
3	2	0	2	3	3	3	3
2	2	3	2	0	1	3	2
3	4	2	3	3	1	3	3
3	2	5	4	2	2	2	4

VALUES OF "K" AT APIA FOR MAY 1944

HOUR	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24
DATE								
1st.	4	4	3	3	3	2	2	3
2nd.	3	3	3	4	4	2	0	2
3rd.	2	2	2	2	3	2	0	2
4th.	2	3	0	2	3	2	4	3
5th.	4	3	3	3	3	1	2	2
6th.	4	3	2	4	2	1	1	1
7th.	2	2	3	3	2	2	3	3
8th.	3	3	3	2	2	0	2	0
9th.	2	1	1	2	0	0	2	2
10th.	2	2	1	1	0	1	3	4
11th.	2	1	0	1	1	1	1	3
12th.	2	2	1	0	1	2	2	2
13th.	2	1	1	0	1	0	0	1
14th.	1	3	2	1	0	1	1	3
15th.	2	2	3	0	0	1	1	2
16th.	0	1	1	0	0	0	1	2
17th.	2	1	2	0	0	2	2	3
18th.	1	2	0	0	0	1	1	2
19th.	1	1	2	1	2	1	2	2
20th.	0	1	0	0	0	0	2	2
21st.	2	0	2	1	0	1	0	3
22nd.	1	2	0	1	1	0	2	0
23rd.	2	3	1	3	2	1	1	3
24th.	3	3	4	3	2	1	3	2
25th.	2	2	3	2	2	0	3	2
26th.	3	2	3	2	2	0	2	3
27th.	2	4	3	3	2	1	2	2
28th.	2	0	2	2	1	1	0	3
29th.	3	2	3	3	1	2	2	4
30th.	2	3	2	3	3	0	2	2
31st.	2	0	2	2	2	3	2	3

VALUES OF "K" AT APIA FOR JUNE 1944

HOUR	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24
DATE								
1st.	2	2	1	2	0	1	1	1
2nd.	2	2	2	2	1	1	2	3
3rd.	2	2	1	0	0	0	1	1
4th.	2	1	2	1	2	2	3	3
5th.	2	2	3	2	2	2	1	3
6th.	2	1	2	1	1	1	1	2
7th.	2	0	1	1	1	1	1	2
8th.	2	1	0	0	0	0	1	1
9th.	3	2	2	1	2	2	3	2
10th.	2	2	1	1	1	0	0	1
11th.	1	2	1	0	2	2	2	2
12th.	3	2	1	0	0	1	0	0
13th.	1	0	1	0	3	2	2	2
14th.	2	3	1	2	2	0	2	3
15th.	3	3	-	-	2	1	-	-
16th.	3	2	3	4	3	2	2	3
17th.	3	2	3	1	1	1	1	3
18th.	2	2	3	2	1	2	2	2
19th.	3	2	2	2	0	2	0	2
20th.	3	2	3	2	1	2	1	3
21st.	3	3	3	3	2	2	2	2
22nd.	2	4	3	2	1	3	-	-
23rd.	-	2	3	2	2	2	1	-
24th.	-	2	1	1	1	2	0	0
25th.	2	1	1	1	1	1	2	2
26th.	3	2	1	1	3	3	3	3
27th.	2	3	2	3	1	2	-	-
28th.	1	2	2	2	0	1	1	2
29th.	3	4	3	2	-	-	-	-
30th.	-	2	3	2	2	1	1	2

VALUES OF "K" AT APIA FOR JULY 1944

HOUR	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24
DATE								
1st.	1	1	2	1	1	1	2	2
2nd.	2	1	2	2	1	1	2	2
3rd.	2	2	2	3	3	1	2	3
4th.	3	2	0	0	0	2	2	2
5th.	3	1	2	0	0	1	1	2
6th.	2	2	2	1	1	0	1	2
7th.	5	2	2	3	2	1	0	2
8th.	1	2	0	2	0	0	-	2
9th.	2	4	3	3	2	1	2	2
10th.	3	2	0	2	1	1	3	2
11th.	2	2	1	1	1	0	2	2
12th.	2	1	1	1	0	0	2	2
13th.	1	2	2	2	0	1	1	1
14th.	1	2	3	2	2	2	2	2
15th.	3	2	3	2	1	2	2	2
16th.	2	2	3	0	3	1	2	0
17th.	2	5	3	2	1	0	2	2
18th.	2	1	0	1	0	1	2	3
19th.	3	2	3	2	3	0	3	2
20th.	3	2	5	5	2	1	2	3
21st.	1	2	3	3	3	1	0	2
22nd.	2	1	3	2	0	1	3	2
23rd.	3	2	2	2	1	0	1	2
24th.	2	0	0	1	0	0	1	1
25th.	2	1	2	0	0	0	2	1
26th.	1	1	2	2	2	0	2	1
27th.	1	2	0	0	2	3	-	-
28th.	2	2	0	0	0	3	2	-
29th.	-	1	2	2	2	2	1	2
30th.	1	3	2	2	0	0	1	2
31st.	2	2	2	2	1	1	2	-

VALUES OF "K" AT APIA FOR AUGUST 1944

HOUR	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24
DATE								
1st.	-	2	2	3	2	0	1	0
2nd.	2	3	1	2	3	2	3	5
3rd.	6	4	5	5	4	2	-	-
4th.	-	2	2	2	2	1	-	-
5th.	2	1	0	2	1	1	0	3
6th.	4	3	3	1	1	1	2	3
7th.	4	1	1	1	0	0	3	2
8th.	3	2	1	1	1	2	-	-
9th.	-	1	1	1	0	1	0	1
10th.	2	4	3	3	2	1	1	2
11th.	3	2	1	1	1	1	-	-
12th.	4	2	2	2	1	1	1	3
13th.	2	2	3	1	0	1	2	2
14th.	1	1	0	0	1	2	2	2
15th.	3	3	2	3	1	1	2	3
16th.	2	3	1	3	2	2	1	2
17th.	3	2	1	0	0	0	1	3
18th.	2	1	5	4	2	1	3	1
19th.	4	4	4	2	1	2	3	2
20th.	3	2	2	1	1	0	3	0
21st.	3	2	1	1	2	1	0	0
22nd.	2	1	2	1	2	1	1	2
23rd.	2	3	4	2	3	3	1	3
24th.	3	2	3	3	3	2	2	1
25th.	2	2	2	1	1	0	0	3
26th.	3	2	0	0	0	1	1	1
27th.	2	3	2	0	1	0	2	1
28th.	3	4	5	4	2	2	-	-
29th.	2	2	0	1	1	2	2	1
30th.	4	2	2	1	2	2	3	2
31st.	4	3	2	3	1	2	-	-

VALUES OF "K" AT APIA FOR SEPTEMBER 1944

HOUR	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24
DATE								
1st.	-	-	2	1	2	3	2	4
2nd.	4	4	4	4	2	2	2	4
3rd.	3	2	1	3	0	0	1	1
4th.	2	2	2	1	1	1	2	3
5th.	3	2	1	1	2	1	2	3
6th.	3	2	0	3	-	-	-	-
7th.	1	3	3	3	1	1	1	0
8th.	2	1	3	2	2	3	3	2
9th.	3	1	1	1	1	0	2	3
10th.	1	2	3	1	1	3	2	3
11th.	1	2	2	1	1	2	2	2
12th.	2	2	3	3	2	1	2	1
13th.	2	2	1	2	1	2	2	4
14th.	2	2	2	2	2	2	2	3
15th.	3	1	2	2	1	1	2	3
16th.	2	2	2	0	1	1	2	2
17th.	2	1	1	1	1	3	3	3
18th.	4	2	2	2	2	1	2	3
19th.	2	1	1	1	2	1	3	2
20th.	3	0	1	1	1	3	4	5
21st.	5	4	3	3	1	2	2	2
22nd.	2	1	1	1	1	2	2	4
23rd.	2	2	2	3	2	3	3	5
24th.	4	1	4	4	2	-	-	3
25th.	2	2	2	2	2	0	3	2
26th.	4	2	3	2	1	2	2	1
27th.	3	3	3	2	1	1	3	2
28th.	1	2	2	1	2	1	2	3
29th.	1	3	3	2	2	2	1	2
30th.	1	1	1	3	3	2	4	4

VALUES OF "K" AT APIA FOR OCTOBER 1944

HOUR	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24
DATE								
1st.	3	2	2	4	3	3	2	3
2nd.	2	2	1	2	2	2	1	2
3rd.	3	3	2	2	2	2	3	2
4th.	3	2	1	2	0	1	1	3
5th.	3	1	1	2	2	0	1	0
6th.	2	3	0	0	2	3	4	2
7th.	2	1	0	0	2	1	2	-
8th.	-	-	-	-	-	-	-	-
9th.	-	-	-	-	-	-	-	2
10th.	2	2	2	2	1	2	2	3
11th.	5	4	3	2	3	5	4	2
12th.	3	3	1	3	2	1	2	2
13th.	3	0	0	0	2	1	1	1
14th.	2	1	3	3	1	2	3	5
15th.	3	5	2	3	2	3	3	4
16th.	2	1	3	1	2	2	2	2
17th.	2	2	2	3	3	2	2	4
18th.	2	3	3	3	2	2	2	2
19th.	2	2	1	2	0	1	1	0
20th.	2	1	1	1	1	3	2	2
21st.	2	1	2	0	2	3	1	3
22nd.	2	0	2	1	2	2	-	-
23rd.	-	-	-	-	-	-	-	3
24th.	2	2	4	3	2	2	2	3
25th.	2	1	1	1	2	1	2	3
26th.	2	3	3	3	1	2	2	2
27th.	1	0	1	1	0	2	3	3
28th.	3	2	2	3	2	0	2	2
29th.	2	1	0	1	1	2	2	3
30th.	2	3	2	1	0	0	3	2
31st.	3	3	3	3	1	3	3	3

VALUES OF "K" AT APIA FOR NOVEMBER 1944

HOUR	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24
DATE								
1st.	2	1	2	0	2	1	2	2
2nd.	2	2	1	2	2	0	2	2
3rd.	2	3	2	3	3	2	2	1
4th.	1	3	3	3	2	2	1	2
5th.	3	3	3	4	2	2	3	4
6th.	3	3	5	2	3	2	3	3
7th.	3	0	1	0	2	1	2	2
8th.	2	3	3	2	3	2	1	2
9th.	2	2	3	3	2	1	3	2
10th.	2	3	3	3	3	3	3	2
11th.	3	2	2	2	1	2	2	3
12th.	2	0	2	0	0	0	2	2
13th.	0	0	1	1	0	1	2	1
14th.	2	1	0	0	2	0	2	3
15th.	2	2	1	1	0	2	2	2
16th.	2	2	2	2	2	2	0	3
17th.	2	1	1	2	1	0	2	1
18th.	2	3	0	1	3	1	2	3
19th.	3	3	1	3	1	2	3	2
20th.	2	4	2	3	4	3	2	2
21st.	1	1	2	1	2	1	0	1
22nd.	2	2	0	1	2	2	3	2
23rd.	2	1	2	1	2	2	1	1
24th.	2	2	1	1	0	1	1	2
25th.	2	2	0	1	1	0	3	3
26th.	3	2	1	2	2	2	2	2
27th.	2	1	2	2	2	1	1	1
28th.	3	1	2	1	0	1	3	2
29th.	1	1	1	2	1	0	1	2
30th.	1	1	1	1	1	2	2	2

VALUES OF "K" AT APIA FOR DECEMBER 1944

HOUR	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24
DATE								
1st.	2	1	2	2	3	3	3	3
2nd.	3	3	3	2	3	0	2	2
3rd.	3	2	2	2	2	1	2	2
4th.	1	1	1	1	2	0	1	2
5th.	2	2	2	1	1	2	3	3
6th.	2	1	1	2	1	2	2	2
7th.	0	0	0	1	2	1	2	2
8th.	1	1	1	1	1	2	2	3
9th.	2	2	2	1	0	2	3	3
10th.	1	0	2	0	2	2	2	1
11th.	2	2	1	2	2	1	1	2
12th.	3	2	2	2	1	2	2	2
13th.	2	3	3	3	2	3	2	2
14th.	3	5	4	4	2	1	2	3
15th.	3	2	2	2	0	2	4	3
16th.	5	4	5	4	6	6	3	3
17th.	3	4	3	5	4	4	6	4
18th.	5	4	3	3	2	1	3	3
19th.	3	3	2	2	1	1	2	2
20th.	2	3	2	2	2	1	2	3
21st.	3	1	2	2	1	1	2	3
22nd.	3	3	1	2	2	1	3	3
23rd.	3	1	1	1	1	2	2	-
24th.	-	-	1	0	1	1	2	2
25th.	2	1	1	1	0	1	0	3
26th.	3	2	0	3	2	3	2	3
27th.	4	3	3	3	3	2	3	5
28th.	4	3	2	3	3	3	2	3
29th.	2	3	2	3	2	2	4	3
30th.	4	3	2	3	3	2	3	2
31st.	2	1	2	2	2	0	2	2

HORIZONTAL INTENSITY

G.M.T. (H = 34000γ + Mean + ...) January 1944

DAY.		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H.	M.	γ	Minimum. H.	M.	γ	Range.
1		+40	+42	+33	+18	+ 3	- 4	- 4	- 9	-19	-20	-13	-10	- 7	- 5	+ 7	- 8	- 4	-11	-16	-16	-15	+ 1	+ 8	+ 9	844	00	59	+44	09	18	-23	67
2		+ 6	+ 4	- 8	-18	-21	-20	-15	-18	-15	-13	-13	-11	- 8	- 7	- 8	- 6	- 3	- 2	+ 4	+14	+26	+37	+50	+47	848	23	01	+53	04	06	-23	76
+ 3		+33	+31	+19	+ 4	- 5	-13	-13	-12	-13	-18	-19	-18	-21	-16	-12	-11	- 8	- 8	- 7	+ 1	+11	+24	+31	+31	858	00	49	+35	10	01	-22	57
+ 4		+18	+ 8	- 3	-12	-16	-19	-16	-14	-14	-16	-19	-16	-15	-14	-12	- 7	- 4	- 4	- 2	+14	+27	+40	+44	+43	866	23	02	+48	05	57	-19	67
5																																
+ 6																																
+ 7		+12	+ 5	- 3	-10	-12	-15	-12	- 8	- 8	- 9	- 8	- 8	- 4	- 4	- 5	- 5	- 3	- 3	- 3	+ 2	+12	+23	+36	+39	863	22	46	+42	06	06	-15	57
8		+30	+17	+ 3	- 5	- 2	- 4	- 4	- 5	- 6	- 4	- 6	-12	-18	-17	-16	-16	-13	-15	-13	- 6	+ 6	+23	+36	+38	864	22	58	+40	12	40	-19	59
9		+28	+11	- 7	-14	-12	- 9	- 4	0	+ 1	+ 1	- 2	- 4	- 7	- 7	- 9	-12	-16	-12	- 9	- 4	+ 6	+23	+34	+25	867	22	46	+38	16	36	-19	57
10		+13	+ 4	- 5	-12	-19	- 9	- 4	0	+ 6	+ 3	+ 1	- 7	- 5	- 4	- 8	- 9	- 9	- 4	+ 1	+12	+13	+30	+23	+ 1	867	21	57	+44	04	12	-15	59
11		+32	+27	+12	- 9	-18	-15	-14	-17	-17	-18	0	- 2	0	0	+ 4	+11	+15	+ 2	- 5	- 7	- 5	+ 5	+15	+14	843	00	27	+35	09	30	-31	66
12		+ 4	+ 1	- 5	- 8	-15	- 9	-10	- 8	- 8	- 8	-13	- 3	+ 4	+ 3	- 8	+ 1	+ 2	- 8	-10	- 2	+ 9	+30	+38	+32	851	23	15	+39	04	30	-20	59
13		+16	- 1	+ 7	- 1	- 6	-13	- 6	-12	-16	- 1	-10	- 9	- 4	- 4	- 5	- 1	- 1	+ 1	- 1	- 9	+ 4	+20	+26	+26	847	00	28	+29	08	24	-24	53
14		+26	+11	- 4	- 9	-10	-11	- 9	-16	-13	- 9	+ 1	-10	-13	- 1	+ 1	-11	-13	- 6	- 4	+ 4	+ 4	+23	+43	+38	847	22	26	+45	07	17	-22	67
15		+31	+26	+15	- 1	- 8	-11	- 6	-11	-11	- 7	- 7	- 6	- 4	- 4	- 6	+ 1	+ 7	+ 5	- 2	- 6	0	+ 6	- 4	+ 4	842	00	00	+38	06	02	-17	55
16		+ 9	- 3	- 5	-10	-10	-10	-17	- 3	- 3	- 1	+ 6	- 5	- 9	-11	-10	- 5	- 8	- 8	- 1	+ 7	+16	+25	+24	+24	846	21	40	+29	06	39	-22	51
17		+19	+18	+14	+ 1	-11	-23	-15	-17	-15	- 9	- 5	- 8	- 2	- 7	- 3	+ 1	- 3	- 4	- 2	+ 1	+ 4	+15	+23	+20	845	00	01	+23	06	01	-25	48
18		+19	+17	+10	0	-10	-14	- 7	- 5	-10	-12	-11	-18	-11	- 3	- 2	- 7	- 7	0	0	- 6	+ 5	+11	+31	+30	848	22	54	+32	11	13	-22	54
19		+26	+20	+ 7	0	- 2	-10	-10	- 7	- 2	- 5	- 7	- 6	- 7	- 8	- 7	- 8	- 8	- 3	- 7	- 3	+ 3	+15	+20	+17	848	00	04	+28	05	56	-12	40
20		+22	+17	+ 7	+ 1	0	0	- 1	0	- 5	-10	- 8	- 5	-10	-10	- 9	- 6	- 4	+ 3	+ 2	0	0	- 5	+ 7	+18	846	00	15	+23	13	49	-12	35
21		+17	+17	+ 9	- 3	- 5	- 5	- 5	- 5	- 5	- 8	- 8	-12	-14	-12	- 8	- 3	- 3	- 3	- 3	+ 1	+ 7	+17	+22	+19	846	22	29	+24	13	00	-14	38
22		+11	+ 5	+ 1	- 6	- 9	- 6	- 7	- 9	- 4	- 4	- 6	- 7	- 7	- 9	- 6	- 9	-11	-10	- 7	0	+10	+26	+35	+33	852	22	57	+37	16	33	-11	48
23		+26	+19	+ 7	- 6	-13	-13	-14	-13	-10	-11	- 8	- 8	- 8	- 8	- 8	- 8	- 5	- 3	0	+ 2	+12	+22	+34	+24	852	22	21	+41	09	58	-14	55
24		+ 6	+ 4	- 7	-18	-19	-19	-17	-16	-12	-16	-13	-13	-12	-13	-13	-12	- 7	+ 1	+ 1	+14	+26	+43	+54	+56	865	23	06	+59	15	51	-16	75
25		+46	+38	+27	+12	0	-11	-10	- 8	- 8	- 5	- 8	-10	- 6	- 9	-10	-13	-17	-20	-20	-15	- 5	+ 5	+17	+24	869	00	03	+52	17	58	-22	74
26		+23	+14	+ 2	- 9	-14	-14	-10	- 7	- 7	- 4	- 5	- 4	- 4	+ 8	+16	+14	+ 1	- 7	- 9	- 9	- 2	+ 6	+ 3	+11	868	00	00	+25	04	49	-15	40
27		+31	+16	+ 8	0	- 9	-17	-23	-21	-13	- 2	-11	-13	- 1	+ 1	+ 1	0	+ 1	+ 1	+ 1	- 7	- 1	+11	+23	+27	848	00	24	+34	06	42	-24	58
28		+20	+15	+11	- 5	-15	-22	-27	-20	-18	-15	-15	-13	-10	- 8	- 5	- 5	- 5	- 5	- 7	+ 2	+18	+34	+41	+44	857	22	57	+44	06	24	-30	74
29		+36	+30	+17	+ 2	- 8	-10	-10	-12	-18	-20	-20	-15	- 6	-10	-10	- 8	- 7	- 8	- 8	+ 1	+ 4	+17	+31	+38	862	23	42	+39	10	16	-23	62
+ 30		+30	+25	+13	- 4	-12	-16	-16	-16	-16	-16	-15	-15	-15	-12	- 4	- 7	- 9	-10	- 8	+ 1	+17	+28	+34	+37	868	23	06	+39	09	00	-19	58
31		+32	+27	+19	+ 8	+ 3	- 2	- 4	- 7	- 7	- 7	- 7	- 5	- 3	- 2	+ 1	- 2	+ 1	+ 1	- 4	-10	-12	-12	- 7	+ 2	868	00	00	+35	21	24	-14	49
MEAN.		+23	+16	+ 7	- 4	-10	-12	-11	-10	-10	- 9	- 9	- 9	- 8	- 7	- 5	- 5	- 5	- 5	- 5	- 1	+ 7	+19	+27	+27	855							

2253/42—18267

HORIZONTAL INTENSITY

G.M.T. (H = 34000γ + Mean + ...) February 1944

DAY.		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H.	M.	γ	Minimum. H.	M.	γ	Range.
1		+19	+17	+ 7	- 3	-10	-12	-12	-10	-10	-10	-10	-10	-10	- 7	- 7	- 5	- 3	0	0	- 1	+ 6	+17	+27	+37	857	23	59	+40	06	22	-12	52
2		+37	+34	+26	+ 9	- 3	- 6	-13	-17	-17	-17	-17	-17	-15	-13	-10	- 6	- 1	- 1	- 1	+ 4	+ 9	+13	+12	+13	860	00	14	+39	08	16	-21	60
+ 3		+14	+10	- 1	- 8	-11	- 8	- 7	- 6	- 6	- 6	- 8	- 7	- 7	- 6	- 4	- 4	- 4	- 4	- 1	- 1	+ 4	+16	+28	+36	858	23	48	+38	04	30	-11	49
4		+26	+22	+14	+ 3	+ 1	- 2	- 5	0	- 2	- 2	- 7	-10	-12	-16	-12	- 2	- 3	-11	-13	- 5	+ 1	+ 7	+ 7	+10	869	00	03	+27	13	48	-18	45
5		+ 4	+ 2	- 1	- 6	- 9	- 8	- 9	- 8	- 6	- 2	- 1	- 1	- 1	- 3	- 1	- 1	- 3	- 3	- 6	- 6	+ 4	+21	+24	+22	870	22	15	+26	07	06	-11	37
6		+22	+14	+ 9	0	- 8	-10	- 7	- 5	- 5	- 3	- 2	- 5	- 3	- 5	- 8	- 8	- 7	- 7	-11	-12	- 1	+12	+19	+22	864	00	03	+27	19	33	-14	41
7		+36	+32	+27	+25	+28	+33	+16	+ 2	+ 3	-12	-21	-13	-12	+ 2	-12	-31	-28	-33	-31	-28	- 1	- 3	+ 6	+11	849	00	00	+38	18	03	-40	78
8		+13	0	- 7	-11	-23	-17	-11	-15	- 4	- 2	+ 3	- 2	+ 3	+13	+15	+10	+ 5	0	0	- 2	- 4	- 1	+19	+24	829	00	03	+28	04	49	-29	57
9		+ 9	+11	+ 9	+ 2	- 3	- 7	-19	-29	-23	- 7	+ 4	- 3	-3	+ 6	- 5	-10	-10	-10	-15	- 5	+14	+32	+38	+36	844	23	06	+41	07	15	-33	74
10		+33	+20	+ 4	-13	-14	-13	-13	- 6	- 6	- 7	+ 1	- 6	0	+ 4	+ 3	0	- 1	- 6	-13	-18	- 3	+13	+25	+27	840	00	00	+37	06	04	-20	57
11																																	
12		+22	+12	- 2	-14	-16	-12	-11	-11	-11	-11	-11	-11	- 2	+ 3	+ 5	- 2	- 3	- 4	- 2	- 2	+ 3	+17	+27	+29	848	23	25	+31	04	01	-19	50
13		+24	+17	+ 7	- 1	- 7	- 9	-12	-12	-13	- 8	-12	-12	- 7	0	- 2	- 6	- 5	- 5	- 7	- 5	+ 6	+20	+26	+16	853	23	57	+29	08	30	-15	44
14		+76	+58	+31	+ 6	-37	-62	-75	-71	-46	-19	-12	-20	+ 9	+14	- 1	+ 5	+ 2	0	+ 3	+ 6	+12	+27	+40	+45	813	00	20	+79	07	04	-77	156
15		+14	+ 2	-13	-12	-16	-16	-11	- 7	- 5	+ 2	0	+ 3	0	+ 3	- 5	- 6	- 2	- 7	- 6	0	+ 3	+13	+26	+39	834	23	37	+41	04	51	-21	62
16		+25	+15	+ 5	- 4	-16	-21	-23	-14	-16	-16	- 8	-12	-14	-11	-10	- 6	- 2	- 3	0	+ 7	+14	+26	+42	+47	848	23	07	+50	06	23	-28	78
17		+36	+25	+15	+ 4	- 2	- 7	- 9	-11	-13	-14	-11	-11	-10	- 9	- 7	- 7	- 7	- 4	- 4	- 4	0	+ 8	+18	+27	855	00	04	+40	09	07	-14	54
+ 18		+31	+26	+13	- 2	-11	-11	-10	-10	-11	- 9	- 7	- 7	- 9	-11	- 8	- 4	- 4	- 3	- 3	0	+ 4	+10	+18	+20	856	00	54	+32	05	09	-14	46
19		+17	+12	+ 6	+ 2	+ 1	- 2	- 2	- 2	- 4	-11	-16	-13	-11	-11	- 9	- 6	- 5	- 4	- 4	0	+ 6	+14	+20	+22	858	23	12	+23	10	27	-18	41
20		+22	+19	+11	+ 6	+ 6	+11	+19	+19	+11	+ 3	-16	-25	-26	- 8	- 3	- 1	-14	-15	-18	-17	- 3	+ 4	+14	+ 9	855	00	18	+23	11	21	-34	57
21		+10	+ 7	- 1	- 7	-16	-16	-16	-11	-12	-12	- 7	- 9	-11	- 9	- 7	- 6	- 7	- 6	- 3	+ 8	+23	+35	+39	+36	846	21	58	+42	06	16	-20	62
22		+27	+18	+ 5	- 6	-10	-14	-13	-16	-13	-11	-10	-10	-11	-10	- 8	- 6	- 6	- 4	- 2	+ 4	+13	+27	+32	+34	851	23	57	+35	07	27	-16	51
23		+28	+23	+11	- 2	- 9	-10	-11	- 9	-10	- 7	- 6	- 7	- 4	- 4	- 6	- 6	- 5	- 4	- 7	- 9	- 2	+ 8	+16	+22	858	00	25	+29	08	12	- 9	38
+24		+12	0	- 8	-12	-16	-15	-12	-10	-10	-10	- 9	- 8	- 8	- 5	- 4	- 3	- 3	- 3	0	+ 7	+17	+29	+37	+38	864	23	47	+39	04	34	-17	56
+25		+30	+21	+ 7	- 7	-18	-20	-18	-18	-16	-15	-13	- 9	- 8	- 6	- 6	- 6	- 6	- 6	- 3	+ 5	+15	+29	+36	+39	867	23	09	+41	05	05	-20	61
26		+28	+20	+ 9	- 2	- 9	-15	-22	-24	-24	-22	-20	-15	- 9	- 4	- 2	- 2	- 3	- 5	- 7	+ 1	+13	+28	+36	+39	873	23	49	+40	08	08	-24	64
+27		+38	+27	+14	+ 2	- 8	-13	-14	-13	-13	-13	-15	-16	-13	-10	-10	- 8	- 8	- 6	- 3	+ 5	+12	+19	+24	+24	869	00	08	+42	11	59	-16	58
28		+15	+11	+ 6	+ 2	- 3	- 5	- 9	-12	-16	-17	-14	-14	-11	- 9	- 6	- 5	- 4	- 4	- 4	+ 7	+18	+23	+24	+31	875	23	58	+34	09	08	-19	53
29		+42	+32	+25	+18	+ 8	+ 2	- 9	-13	-17	-20	-24	-28	-24	-17	-10	0	- 5	- 5	- 8	0	+ 2	+ 8	+17	+24	870	00	24	+42	11	35	-29	71
30																																	
31																																	
MEAN.		+25	+18	+ 8	- 1	- 8	-10	-12	-12	-11	-10	-10	-11	- 8	- 5	- 5	- 5	- 5	- 6	- 6	- 2	+ 7	+17	+25	+28	855							

HORIZONTAL INTENSITY

G.M.T. (H = 34000γ + Mean + ...) March 1944

DAY.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H.	M.	γ	Minimum. H.	M.	γ	Range.
+ 1	+32	+27	+12	- 5	-19	-23	-24	-17	-19	-17	-13	-12	- 7	- 5	- 2	- 1	0	+ 3	+ 3	+ 5	+10	+20	+30	+20	868	00	30	+37	06	30	-26	63
2	+19	+15	+ 9	+ 1	- 9	- 8	- 3	- 3	- 4	- 5	- 8	-13	-15	-10	- 8	- 9	- 7	- 4	- 4	- 2	+ 1	+18	+24	+26	859	23	37	+28	12	36	-16	44
+ 3	+14	+ 5	- 4	-11	-13	-13	-13	-12	- 9	- 8	- 9	- 7	- 6	- 4	- 3	- 2	- 1	- 1	+ 4	+ 9	+16	+21	+26	+31	869	23	46	+32	06	51	-15	47
4	+43	+49	+48	+25	+13	0	- 4	- 4	- 5	- 2	-28	-28	+ 3	-17	-21	-23	-21	-18	-18	-15	- 6	+ 6	+13	+18	860	02	42	+55	11	48	-35	90
5	+17	+12	+ 2	-11	-16	-15	-12	-12	-13	-13	-12	-12	-12	-12	- 7	0	0	- 5	- 3	+ 4	+17	+28	+37	+34	861	23	03	+45	04	48	-16	61
6	+35	+23	+ 9	-13	-13	-13	- 8	- 4	- 8	0	- 6	- 1	- 3	- 8	- 3	- 1	- 1	- 2	- 3	-10	- 8	+13	+14	+20	852	00	00	+46	03	38	-17	63
7	+23	+18	- 9	-16	-15	-13	-10	- 4	- 2	-13	- 4	- 4	+ 6	- 2	+ 1	+ 4	0	- 4	- 4	+ 3	+ 7	+12	+15	+ 7	848	00	06	+30	02	55	-19	49
8	+ 4	+ 2	- 1	- 6	-10	-13	- 8	-10	- 4	- 4	- 1	- 1	+14	+ 2	- 3	- 3	- 1	- 3	- 3	- 6	+ 3	+11	+16	+21	852	23	43	+23	05	11	-16	39
9	+25	+ 1	-11	- 6	-12	-16	-10	- 9	- 6	- 6	- 6	+13	+10	- 4	+ 1	- 4	- 4	- 4	- 6	+ 3	+ 8	+13	+23	+15	848	00	15	+29	05	02	-23	52
10	+25	+23	+ 7	-13	-19	-24	-12	+ 7	- 6	-15	- 6	+ 9	+19	+ 7	+ 6	0	- 5	-10	-16	-10	+ 2	+10	+ 7	+ 9	842	00	38	+27	05	19	-30	57
11	+ 9	+ 9	- 1	- 8	-12	-17	- 5	- 8	-12	- 9	+ 2	-10	-10	- 5	- 3	- 1	+ 1	- 1	- 3	+ 2	+13	+21	+25	+26	847	23	12	+31	05	41	-22	53
12	+19	+ 7	+ 4	- 3	-20	-20	-16	- 8	- 5	- 1	- 3	- 5	- 3	- 1	+ 1	+16	+ 7	- 1	- 1	- 3	+ 2	+10	+14	+19	847	00	01	+25	05	07	-24	49
13	+15	+10	- 9	-12	-11	- 7	- 7	-12	-16	-12	- 5	- 7	- 5	+ 1	- 6	- 5	- 6	- 3	- 2	0	+ 9	+18	+29	+37	851	23	46	+39	09	20	-16	55
14	+40	+28	+ 7	- 8	-13	-19	-14	-15	-15	- 7	- 2	-12	-13	- 8	- 4	- 5	- 4	- 4	- 7	- 4	+ 6	+16	+25	+29	850	00	08	+40	05	50	-23	63
+15	+22	+17	+ 8	- 1	- 6	- 9	-11	-11	- 9	- 9	- 9	- 9	- 6	- 6	- 4	- 1	- 1	+ 1	+ 1	+ 2	+ 3	+ 8	+ 8	+11	855	00	13	+23	05	11	-11	34
16	+ 5	+ 3	- 3	-16	-23	-14	- 7	- 5	- 4	- 7	-11	-14	-13	- 7	- 4	- 3	- 2	+ 1	+ 2	+ 7	+15	+25	+34	+35	853	23	10	+37	04	21	-24	61
+17	+23	+17	+ 6	- 1	- 6	- 6	- 7	- 8	-10	-11	-11	-11	-12	-11	-10	- 8	- 6	- 4	- 5	- 1	+ 6	+16	+23	+27	862	23	50	+27	11	00	-13	40
18	+14	+ 8	+ 1	- 3	- 3	- 1	+ 1	- 6	- 6	- 6	- 8	- 7	- 3	- 1	+ 1	+ 4	+ 6	+ 9	+14	+ 4	- 2	+ 1	+ 1	-17	874	00	17	+16	23	46	-28	44
19	+24	- 2	-32	-37	-32	-25	-21	-15	-13	- 7	- 7	+ 5	- 2	- 2	+ 6	+ 9	+12	+17	+15	+17	+22	+22	+24	+17	827	00	08	+31	02	55	-49	80
20	+ 3	+ 3	+ 3	- 2	- 6	- 6	- 9	- 9	-11	-15	-16	- 8	- 3	- 4	- 2	- 2	- 2	+ 1	+ 1	+ 5	+ 9	+17	+28	+25	841	22	57	+30	10	20	-18	48
21	+14	+ 9	+ 1	-10	-18	-16	-11	- 9	- 6	- 5	- 4	- 4	- 5	- 6	- 3	- 2	+ 1	+ 1	+ 1	+ 6	+10	+15	+20	+23	848	23	54	+25	04	37	-21	46
22	+22	+17	+ 2	-20	-33	-35	-39	-33	-29	-23	-19	- 9	+ 6	+ 2	+ 2	+ 6	+14	+14	+11	+19	+26	+30	+31	+31	852	22	36	+31	06	13	-43	74
23	+22	+13	+ 3	- 2	- 7	-16	-16	-16	-14	-13	-10	- 4	- 7	- 7	- 9	- 7	- 4	- 2	- 2	+ 5	+15	+20	+26	+35	858	23	47	+37	05	43	-21	58
+24	+26	+19	+ 7	- 3	- 9	-12	-13	-10	-12	-12	-10	-13	-18	-18	-16	-13	- 8	- 6	- 3	+ 7	+14	+26	+41	+45	864	23	21	+46	12	54	-20	66
25	+36	+25	+15	+ 6	- 2	- 9	-13	-15	-15	-17	-23	-20	-14	- 8	+ 2	+ 9	+11	+ 9	+ 6	- 6	- 3	+ 2	+14	+21	869	00	00	+40	10	30	-27	67
26	+43	+35	+31	- 2	-24	-17	-20	-33	-35	-39	-42	-23	+ 5	+ 4	- 9	- 9	- 5	- 7	- 5	+ 2	+13	+27	+49	+51	844	23	10	+76	10	20	-53	129
27	+32	- 4	0	-22	-33	-32	-10	-19	- 4	+18	+21	+ 4	- 3	- 2	- 1	- 1	+ 2	- 1	- 4	- 1	- 1	+ 9	+19	+21	814	00	00	+102	06	00	-46	148
28	0	+ 2	- 1	- 3	- 6	- 9	-13	-13	-10	-14	-15	-10	- 1	- 1	- 1	+ 4	+ 4	+ 4	+ 6	+18	+18	+11	+16	+11	833	22	51	+19	11	07	-15	34
29	+ 8	-10	-15	- 6	-10	-29	-41	-41	-17	-22	+ 2	- 1	+ 1	+ 4	+10	+14	+16	+18	+14	+ 8	+11	+23	+27	+25	819	23	12	+27	06	27	-44	71
30	- 2	-18	-17	-10	-13	-17	-12	-10	-12	-13	-12	-10	- 7	0	+ 3	+ 5	+ 2	+ 5	+ 9	+18	+24	+34	+34	+14	837	21	46	+38	01	46	-26	64
31	+ 7	+ 7	+ 1	- 2	- 4	-10	-14	-16	- 7	- 7	-14	-14	-16	- 9	- 4	- 2	0	+ 3	+ 5	+12	+17	+21	+26	+22	839	22	45	+28	08	16	-19	47
MEAN.	+20	+12	+ 2	- 7	-13	-15	-13	-12	-11	-10	- 9	- 8	- 4	- 4	- 3	- 1	0	0	0	+ 3	+ 9	+17	+23	+23	850							

HORIZONTAL INTENSITY

G.M.T. (H = 34000γ + Mean + ...) April 1944

DAY.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H.	M.	γ	Minimum. H.	M.	γ	Range.
1	+11	- 2	- 9	- 8	- 8	- 6	- 8	- 9	- 9	- 6	- 4	+ 1	+ 5	+ 5	+ 6	+ 8	+ 8	+11	+ 8	- 2	- 4	0	+ 3	+ 8	845	23	32	+18	08	23	-10	28
2	+80	+59	+38	+39	+64	+71	+40	-32	-117	-96	-64	-91	-75	-46	-28	-23	-10	+ 3	+14	+19	+29	+36	+40	+50	765	05	41	+91	08	46	-130	221
3	- 9	-23	-37	-33	-18	- 7	- 9	- 6	- 4	- 2	- 4	- 4	- 3	0	+ 3	+ 4	+ 5	+10	+15	+17	+21	+28	+29	+23	812	22	14	+33	02	22	-41	74
4	+ 5	+ 3	- 3	- 7	- 8	-17	-32	-20	-16	-13	+ 3	+14	- 4	- 8	- 5	- 3	- 3	+ 1	+ 3	+11	+15	+22	+29	+30	828	23	03	+35	06	39	-32	67
5	+16	+ 5	- 7	-21	-16	-19	- 5	- 6	- 7	+ 5	- 5	+11	- 1	- 3	- 5	- 2	- 2	+ 1	0	+ 7	+17	+20	+12	+15	836	21	16	+22	03	36	-28	50
6	+15	+ 6	- 4	- 7	- 4	+ 3	- 7	- 7	-11	- 9	+ 3	- 7	- 9	- 7	- 7	- 8	- 9	- 4	- 2	- 2	+ 8	+17	+22	+27	831	23	56	+29	09	14	-23	52
7	+25	+13	-15	-11	- 8	-10	- 8	-10	- 8	- 8	- 8	- 4	- 1	0	- 4	- 1	- 1	+ 2	+ 1	+ 7	+11	+10	+11	+23	835	00	23	+28	02	30	-20	48
8	+12	+ 5	- 8	-12	-14	-14	-13	-11	-10	- 7	- 7	- 7	+ 2	0	-10	-10	- 7	- 6	- 2	+ 4	+11	+23	+33	+39	841	23	04	+39	04	42	-18	57
9	+26	+ 8	- 4	- 6	-11	-18	-19	-19	-18	-16	-15	-13	- 9	- 6	- 2	0	+ 2	+ 5	+16	+21	+21	+18	+21	+26	852	00	04	+29	06	18	-21	50
10	+26	+20	+14	+ 4	- 3	-21	-28	-22	-13	-30	-25	-13	-13	- 8	- 3	- 6	- 3	- 1	+ 3	+10	+20	+31	+36	+27	842	22	07	+39	10	11	-34	73
11	+ 8	- 6	- 9	- 6	- 7	-12	-12	- 8	- 5	- 5	- 5	- 3	- 3	0	+ 2	+ 3	- 1	- 2	+ 3	+ 5	+10	+12	+20	+15	848	22	33	+22	06	19	-17	39
12	+10	- 7	- 7	- 3	- 5	-12	-15	-12	-12	-15	-10	- 5	- 3	- 3	- 1	0	- 1	0	+ 2	+ 5	+ 7	+16	+27	+32	846	23	52	+33	06	17	-17	50
13	+17	+ 4	- 2	- 3	- 4	- 8	- 8	-10	-10	-11	-10	- 9	- 8	- 8	- 8	- 5	- 3	0	+ 2	+ 4	+11	+19	+27	+27	856	23	12	+29	08	42	-11	40
14																																
15																																
16	+52	+40	+12	0	0	- 4	-13	-28	-28	-17	-26	-19	-18	-17	-17	- 9	- 9	- 7	+ 6	+12	+17	+24	+27	+18	829	00	27	+66	10	37	-33	99
17	+ 2	- 5	-17	-17	-14	-14	-12	-10	-12	- 8	-10	-15	-12	-10	- 3	+ 4	+ 2	+ 4	+13	+19	+26	+34	+31	+20	839	21	52	+56	02	51	-24	60
18	+10	- 5	- 8	- 6	- 7	-11	-13	-16	-14	-12	-10	- 7	- 6	- 5	- 4	0	+ 4	+ 5	+ 7	+ 9	+13	+22	+29	+29	841	22	27	+52	07	21	-17	49
19	+10	+ 4	+ 5	+ 4	- 3	- 9	-12	-12	-12	- 9	- 7	- 7	- 7	- 7	- 9	- 4	- 2	- 1	+ 3	+ 5	+10	+13	+20	+25	855	23	48	+25	06	01	-12	37
20	+16	+ 9	0	- 8	-13	-18	-18	-13	-13	-13	-13	-13	-11	-11	- 8	- 3	- 3	- 1	+ 4	+13	+22	+29	+30	+25	859	22	34	+51	06	00	-20	51
21	+ 9	+ 1	- 6	- 8	- 8	- 8	- 7	- 9	-10	-10	-10	-10	-10	-13	-10	- 4	- 3	+ 2	+ 4	+ 9	+19	+29	+31	+26	866	22	00	+34	12	57	-15	49
22	+17	+ 5	0	- 4	- 7	- 7	- 7	-10	-10	-11	-12	-12	-10	-10	-10	-10	- 7	- 5	0	+ 5	+15	+27	+32	+28	865	22	15	+33	11	01	-13	46
23	+15	+ 7	+ 1	0	- 1	- 3	- 6	-10	-10	-10	- 9	- 8	- 8	- 5	- 6	- 8	- 8	- 5	0	+ 5	+11	+20	+23	+22	868	22	48	+25	08	52	-11	54
24	+39	+45	+48	+37	+14	-13	-33	-41	-46	-35	-20	- 9	- 8	- 8	- 6	- 3	- 2	- 2	- 1	+ 4	+ 8	+13	+14	+ 9	849	01	28	+51	08	18	-48	99
25	- 7	0	+ 5	- 7	-12	-15	-12	-12	-10	-10	- 7	- 5	- 2	- 2	- 2	+ 1	+ 5	+ 7	+10	+11	+11	+17	+20	+17	858	22	55	+21	05	01	-15	56
26	+13	+ 6	+ 4	- 3	- 8	-18	-24	-23	-15	-11	- 8	- 7	- 3	- 2	- 1	+ 2	+ 6	+ 3	+10	+11	+19	+21	+21	+16	854	22	16	+24	06	23	-25	49
27	+ 7	+ 7	+ 5	- 7	-17	-17	-19	-19	-19	-17	-16	-17	-15	- 7	- 2	- 2	+ 4	+12	+20	+25	+25	+25	+27	+18	858	22	00	+32	11	33	-22	54
28	+14	0	- 8	-12	-15	-18	-12	-15	0	- 5	- 3	- 3	0	+ 2	+ 5	+ 2	+ 5	+ 5	+ 2	+ 3	+ 7	+12	+21	+24	851	23	59	+27	05	18	-20	47
29	+24	+20	+17	+10	- 9	-19	-19	-19	-14	-12	- 5	+ 1	- 2	- 7	- 4	+ 1	+ 1	+ 3	+ 1	+ 2	+ 5	+ 9	+ 8	+ 3	855	01	03	+25	07	17	-22	47
30	+ 1	- 3	- 4	+ 2	- 3	- 4	- 9	-21	- 4	+ 1	-11	-15	-13	-11	- 4	- 2	0	+ 6	+10	+13	+15	+20	+20	+ 9	850	21	56	+23	07	56	-26	49
31																																
MEAN.	+17	+ 8	0	- 3	- 5	- 9	-12	-15	-16	-14	-11	-10	- 9	- 7	- 5	- 3	- 1	+ 2	+ 5	+ 9	+14	+20	+24	+25	844							

HORIZONTAL INTENSITY

G.M.T. (H = 34000Y + Mean + ...) May 1944

DAY.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H. M. γ	Minimum. H. M. γ	Range.
1	+ 8	+16	+20	+20	+13	+ 1	-11	-13	-10	-15	-10	+ 2	- 1	- 4	- 1	- 4	+ 1	- 6	- 4	- 1	+ 1	- 1	- 1	-11	841	03 28 +22	10 30 -16	38
2	-12	-23	-20	-17	-19	-13	-24	-17	- 7	- 7	+ 5	+20	+ 5	+14	+ 2	+ 5	0	+ 5	+14	+16	+20	+23	+21	+19	835	21 27 +23	06 45 -26	49
3	+11	+11	+ 2	-10	-17	-17	-11	- 9	- 5	- 8	- 1	0	- 3	- 3	- 8	- 8	- 5	- 1	+ 6	+10	+13	+17	+23	+22	845	22 28 +25	04 59 -21	46
4	+10	+ 1	- 6	- 6	- 2	- 1	- 1	- 1	- 1	- 1	- 3	- 5	-10	-13	- 6	- 1	- 1	- 1	+ 6	+11	+ 1	+ 5	+16	+11	850	22 09 +18	12 42 -15	33
5	+ 7	-12	-17	-10	- 5	- 5	-12	-12	- 5	- 1	+ 4	+11	- 3	- 5	- 3	- 3	0	+ 3	+ 4	+ 9	+11	+16	+21	+15	840	22 42 +21	01 54 -22	43
6	+ 1	-18	-15	-11	-11	- 7	- 4	- 4	- 2	- 2	- 7	+ 9	+ 1	- 3	- 2	0	+ 3	+ 5	+ 3	+ 6	+12	+17	+19	+17	839	22 06 +19	01 39 -21	40
7	+16	+14	+ 4	- 8	-15	-10	-24	-25	-18	- 5	- 4	+ 1	+ 1	- 3	0	0	0	+ 4	+11	+11	+10	+14	+21	+14	840	22 12 +20	07 12 -31	51
8	- 7	-19	-19	-15	-17	- 7	-10	- 7	+ 1	+ 1	- 4	- 4	- 3	- 2	- 5	- 4	- 3	0	+ 6	+15	+21	+24	+26	+24	847	22 12 +26	01 32 -24	50
9	+ 9	+ 3	- 3	-10	-10	-10	-10	-10	-10	-12	- 7	- 6	- 4	- 3	- 3	- 3	0	+ 2	+ 4	+ 9	+16	+20	+19	+14	854	21 33 +22	09 09 -12	34
10	+ 6	- 1	- 8	-10	-10	- 9	-10	-14	-15	-15	-15	-12	- 9	- 6	- 5	- 3	- 1	+ 4	+11	+19	+28	+30	+24	+12	859	21 31 +31	10 36 -15	46
11	- 3	- 8	- 8	- 8	-10	-10	-12	-12	-12	-12	- 9	- 7	- 5	0	0	0	+ 4	+ 9	+13	+20	+22	+25	+21	+14	863	21 04 +27	09 39 -12	39
12	+ 5	- 4	- 6	- 6	- 6	- 6	- 6	- 8	- 8	- 7	- 8	- 8	- 9	- 7	- 4	- 1	0	- 1	+ 4	+10	+18	+23	+23	+22	862	21 57 +26	12 38 -11	37
13	+18	+14	+ 4	- 2	- 8	-10	-10	-13	-15	-13	-13	-13	-13	- 8	- 3	- 1	+ 3	+ 9	+13	+16	+18	+16	+14		864	21 09 +19	09 27 -15	34
14	+14	+13	+ 8	+ 6	+ 1	- 7	-16	-18	-16	-12	- 9	-11	-11	- 9	- 6	- 4	- 2	+ 3	+ 8	+12	+13	+18	+18	+ 8	860	22 09 +20	07 09 -19	39
15	+ 3	- 4	- 6	-11	-16	-21	-19	-11	- 9	- 7	- 4	- 7	- 4	- 4	- 3	- 2	+ 2	+ 5	+10	+12	+17	+25	+25	+21	851	21 51 +26	06 06 -22	48
16	+ 5	0	- 5	- 7	- 7	- 5	- 5	- 4	- 4	- 5	- 6	- 7	- 6	- 5	- 5	- 3	- 1	0	+10	+13	+15	+17	+17	+10	861	21 46 +18	12 45 - 7	25
17	0	- 3	- 5	- 9	-14	-12	- 8	- 5	- 5	- 5	- 5	- 6	- 7	- 7	- 5	- 1	+ 5	+10	+14	+15	+19	+20	+17	+ 5	863	20 58 +21	04 42 -16	37
18	- 5	- 9	-12	-12	- 9	- 9	- 7	- 7	- 7	- 7	- 9	- 7	- 6	- 5	- 5	- 2	0	+ 4	+13	+17	+22	+26	+25	+20	863	21 52 +27	05 06 -12	39
19	+10	+ 7	+ 1	- 7	-10	-12	-12	-10	- 9	- 3	- 3	- 4	- 9	-10	- 9	- 5	- 4	- 2	+ 4	+ 8	+14	+22	+25	+20	870	22 54 +25	05 12 -13	38
20	+14	+10	+ 4	- 4	- 9	-11	-11	-11	-11	- 9	-11	-11	-11	- 9	- 8	- 4	- 2	+ 1	+ 7	+14	+19	+21	+19	+14	869	20 45 +21	11 27 -11	32
21	+10	+ 7	+ 6	+ 2	+ 1	- 2	- 2	- 4	- 7	- 9	-13	-12	-10	-10	- 9	- 7	- 2	+ 1	+ 7	+12	+17	+15	+13	+ 4	870	20 41 +18	10 00 -13	31
22	- 1	- 6	- 9	- 9	- 7	- 4	- 5	- 6	- 4	- 4	- 6	- 6	- 5	- 5	- 4	- 4	- 2	+ 1	+ 9	+16	+13	+15	+16	+17	867	22 34 +17	11 15 - 9	26
23	+18	+12	+ 6	- 4	-13	-19	-19	-18	-13	-13	- 8	- 2	- 1	+ 1	- 4	- 7	- 6	- 8	+ 5	+ 9	+16	+21	+26	+21	862	22 38 +28	05 45 -20	48
24	+23	+11	+ 9	+10	+ 3	- 4	-10	-22	-29	-30	-22	-13	- 8	- 3	- 3	0	+ 4	+ 6	+10	+12	+ 9	+15	+17	+13	845	00 01 +23	09 41 -31	54
25	+ 7	+ 4	- 3	-12	-19	-19	-21	-15	-15	-16	-13	-12	-13	- 9	- 2	- 2	- 2	+ 2	+ 6	+22	+34	+36	+37	+32	856	20 48 +38	06 33 -24	62
26	+15	0	- 4	- 5	- 4	- 8	- 9	- 9	-16	-19	-17	-14	-10	- 8	- 4	- 2	0	+ 3	+ 8	+15	+15	+18	+26	+30	858	23 33 +30	09 36 -21	51
27	+25	+21	+14	+ 7	-10	-17	-10	-10	-12	-20	-17	-14	-10	-14	-11	- 9	- 5	- 1	+ 4	+ 8	+14	+21	+24	+19	859	00 03 +26	09 15 -24	50
28	+ 4	+ 1	+ 1	- 1	- 3	- 3	- 7	- 9	-10	-10	- 7	-10	-10	-10	- 9	- 6	- 2	+ 2	+ 6	+12	+18	+19	+18	+ 9	864	21 54 +20	08 52 -14	34
29	+ 5	+ 7	+ 8	+ 7	+ 5	+ 1	+ 4	- 4	- 9	-12	- 7	-12	- 9	- 9	- 5	- 1	- 2	+ 2	+ 8	+14	+14	+ 7	- 5	-12	849	20 09 +17	09 03 -19	36
30	-14	-17	-19	-13	- 5	- 3	- 4	- 4	- 5	- 5	- 5	+ 2	+ 4	- 2	+ 2	+ 3	+ 3	+ 6	+12	+16	+16	+16	+15	+ 9	845	19 31 +18	08 15 -20	38
31	0	- 5	- 7	- 6	- 9	- 9	- 6	- 2	- 5	- 8	- 9	- 6	- 5	- 2	+ 2	+ 2	0	+ 9	+14	+19	+19	+14	+ 9	+ 2	849	20 19 +22	10 00 -14	36
MEAN.	+ 6	+ 1	- 3	- 5	- 8	- 9	-10	-10	- 9	-10	- 8	- 5	- 6	- 6	- 4	- 3	- 1	+ 2	+ 8	+13	+16	+19	+19	+14	855			

HORIZONTAL INTENSITY

G.M.T. (H = 34000γ + Mean + ...) June 1944

DAY.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H.	M.	γ	Minimum. H.	M.	γ	Range.
1	+ 1	- 3	- 8	- 4	- 3	- 5	- 4	- 5	- 5	- 3	- 6	- 8	- 6	- 5	- 4	- 5	- 5	0	+ 9	+15	+16	+14	+14	+11	851	19	24	+16	02	01	- 8	24
2	+ 8	+ 8	+ 4	+ 1	- 1	+ 1	- 1	- 4	- 6	-10	-16	-17	-16	-12	-11	- 9	- 5	- 1	+ 6	+12	+18	+22	+20	+12	852	21	47	+24	11	00	-18	42
3	- 3	- 8	- 5	- 5	- 3	- 8	-13	-13	-10	-10	- 9	- 8	- 8	- 5	- 5	- 5	- 3	0	+ 6	+15	+21	+23	+26	+23	856	22	54	+26	06	50	-15	41
4	+ 3	- 9	-12	-11	-11	-12	-12	- 9	- 7	- 5	- 3	- 5	- 7	- 9	- 9	- 9	- 7	- 1	+12	+20	+29	+37	+27	+21	867	21	06	+45	05	26	-14	59
5	+30	+23	+13	+ 8	+ 4	+ 5	+ 2	- 6	-11	-14	-19	-19	-17	-13	-12	- 9	- 5	0	+ 2	+10	+10	+13	+11	+ 4	860	00	22	+34	10	57	-20	54
6	- 6	- 8	- 8	- 9	-13	-12	- 8	- 3	- 1	- 1	- 2	- 2	- 1	- 1	- 1	- 2	- 3	0	+ 5	+10	+15I	+21I	+16	+11	861	21	54	+21	04	54	-15	36
7	+ 2	- 1	0	- 5	- 7	- 9	-10	-12	-13	-16	-14	-12	-12	- 7	- 7	- 5	- 3	0	+ 9	+22I	+24	+24	+24	+22	865	21	31	+26	10	09	-16	42
8	+13	+ 8	- 1	- 8	-10	-10	-10	-11	-11	- 8	- 7	- 7	- 8	- 7	- 6	- 6	- 6	- 4	+ 5	+ 8I	+17	+23	+25	+23	866	22	27	+25	08	16	-11	36
9	+22	+20	+ 7	- 1	- 5	- 2	0	- 2	- 2	- 7	- 9	- 7	- 7	- 7	- 9	- 9	- 5	- 1	+ 4	+ 5	+ 1	+ 5	+ 5	+ 3	867	01	13	+24	15	27	-12	36
10	+ 5	+ 3	+ 4	- 2	- 8	- 9	-11	-11	-11	-11	- 9	- 9	- 8	- 4	- 2	- 1	0	+ 2	+ 8	+12	+15	+17	+20	+22	862	23	16	+23	08	39	-14	37
11	+16	+10	+ 6	+ 4	- 1	- 5	- 8	- 9	- 8	- 7	- 8	- 6	- 2	+ 1	+ 4	0	+ 3	+ 1	+ 1	+ 4	+ 3	+ 3	+ 3	+ 3	861	00	01	+21	07	44	-10	31
12	- 6	- 2	+ 1	- 2	- 6	- 8	- 8	- 8	- 9	-10	-10	- 9	- 8	- 7	- 6	- 2	+ 1	+ 5	+ 9	+16	+16	+17	+21	+20	861	21	45	+22	09	51	-13	35
13	+ 6	- 1	- 4	- 7	-10	-11	-11	-11	-13	-13	-15	-13	- 5	- 1	+ 1	+ 8	+10	+ 8	+11	+13	+12	+13	+16	+11	871	21	54	+16	10	48	-16	32
14	+12	+ 9	+ 9	+ 2	- 7	-10	-10	- 9	- 7	- 7	-11	-11	-10	-10	- 7	- 6	- 5	0	+ 7	+12	+12	+16	+12	+ 8	858	21	51	+19	12	57	-17	36
15																																
16	- 7	- 8	- 4	- 1	+ 3	+ 3	- 2	- 7	-14	-21	-16	- 4	- 1	- 5	- 4	- 1	+ 3	+ 6	+15	+22	+18	+17	+12	+ 5	843	19	36	+22	09	44	-24	46
17	- 1	- 1	- 1	- 6	-10	-14	-13	- 7	- 1	- 6	- 6	- 4	- 4	- 4	- 1	+ 4	+ 5	+ 9	+13	+15	+16	+16	+ 9	0	849	20	36	+16	05	30	-15	31
18	- 6	-11	-11	-15	-15	-11	-11	- 9	- 3	- 1	- 3	- 7	-11	-11	- 9	- 7	- 3	+ 2	+11	+22	+28	+33	+31	+28	854	22	09	+34	03	55	-20	54
19	+15	+ 3	- 5	-12	-16	-12	-11	-10	- 5	-10	-12	- 7	- 9	- 7	- 5	- 5	0	+ 4	+12	+15	+19	+18	+19	+15	858	21	03	+21	04	54	-17	38
20	+ 8	- 5	-11	-11	- 7	-10	- 6	- 7	-14	- 7	- 6	- 8	- 8	-11	-11	- 7	- 4	0	+11	+15	+20	+22	+20	+28	859	23	18	+34	08	09	-18	52
21	+22	+13	+15	+ 3	- 11	-11	-22	-30	-24	-15	-11	-11	-16	- 9	- 5	- 2	- 4	- 5	+ 5	+13	+20	+24	+26	+27	857	23	09	+32	07	36	-32	64
22																																
23																																
24	+ 8I	+ 5	- 2	- 2	- 3	- 7	- 7	- 7	- 7	- 7	- 5	- 4	- 2	- 2	- 3	- 4	- 4	- 2	+ 1	+ 5	+10	+12	+14	+12	850	23	19	+15	09	27	- 9	24
25	+ 1	+ 1	- 1	- 4	-10	-11	-11	-13	-13	-13	-12	-11	- 7	- 4	0	+ 3	+ 2	+ 3	+11	+13	+18	+22	+23	+18	859	22	26	+24	07	57	-16	40
26	+19	+18	+ 4	-10	-11	- 6	- 8	- 7	- 8	-10	-11	-10	- 6	- 1	+ 6	+17	+10	+ 6	+ 6	+ 2	+ 2	+ 6	- 1	-10	849	00	00	+23	03	52	-14	37
27	- 1	- 4	- 8	- 7	- 3	- 3	- 3	- 6	- 7	-13	-10	- 3	- 4	- 2	+ 1	+ 4	+ 4	+ 6	+10	(+13)	+13I	(+12)	+11	+10	842							
28	- 3	- 6	- 9	-11	- 7	- 3	- 4	- 7	-12	-11	- 9	-10	- 9	- 6	- 4	- 4	- 1	+ 3	+10	+20	+21	+25	+22	+20	852	21	48	+25	09	04	-14	39
29																																
30	+ 2I	- 1	- 2	- 3	0	+ 2	+ 2	- 8	-10	-10	-15	-13	- 5	- 5	- 9	- 8	- 4	- 1	+ 6	+14	+18	+21	+18	+14	856	21	37	+22	11	09	-18	40
31																																
MEAN.	+ 6	+ 2	- 1	- 5	- 7	- 7	- 8	- 9	- 9	- 9	-10	- 9	- 8	- 6	- 5	- 3	- 1	+ 1	+ 8	+13	+16	+18	+17	+14	857							

HORIZONTAL INTENSITY

G.M.T. (H = 34000γ + Mean + ...) July 1944

DAY.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H.	M.	γ	Minimum. H.	M.	γ	Range.
1	+ 7	+ 1	- 3	- 8	-12	-10	- 8	- 5	- 3	- 5	- 8	- 8	- 8	- 5	- 5	- 5	- 3	+ 4	+11	+14	+15	+15	+11	+ 8	857	20	15	+16	04	15	-12	28
2	+ 1	- 6	-10	-17	-20	-17	-17	-13	- 9	- 9	-10	- 7	- 4	- 6	- 3	- 1	+ 1	+ 6	+11	+21	+28	+31	+28	+25	855	21	37	+33	04	09	-21	54
3	+11	+11	+ 7	+ 1	- 4	- 8	- 9	- 8	-11	-16	-12	- 4	- 8	-11	-14	-14	-10	- 5	+ 3	+ 8	+15	+29	+32	+20	863	22	14	+38	09	53	-17	55
4	+16	+ 6	- 6	-13	-14	-10	- 9	- 9	-10	- 9	-10	-10	-10	- 9	- 8	- 7	- 3	+ 4	+14	+12	+16	+21	+26	+23	862	22	27	+27	04	08	-16	43
5	+14	+ 1	- 9	-12	-15	-15	-15	-10	- 8	- 8	- 5	- 5	- 8	- 5	- 5	- 5	- 3	+ 1	+ 7	+14	+19	+21	+26	+28	865	23	15	+31	04	39	-15	46
6	+21	+13	+ 4	- 6	- 9	- 6	- 8	-11	-13	-11	-11	-11	-12	-13	-12	-11	- 8	- 3	+ 4	+11	+18	+24	+30	+30	868	22	48	+33	13	45	-14	47
7	+38	+19	- 6	-19	-19	-13	-17	-18	-18	-12	- 6	- 5	- 7	-10	-12	-10	- 7	- 4	+ 4	+10	+26	+21	+26	+28	853	00	05	+44	04	01	-21	65
8	+16	+11	+ 4	- 1	- 8	-13	-15	-15	-15	-13	- 7	- 6	- 8	- 6	- 7	- 6	- 6	- 4	+ 5	(+12)	+12I	+16	+23	+25	861	23	29	+28	07	54	-18	46
9	+36	+29	+22	+ 9	- 8	-18	-12	-18	-20	-30	-32	-23	-12	-10	- 9	- 5	- 2	+ 1	+ 5	+15	+17	+20	+23	+24	845	00	03	+42	10	48	-34	76
10	+ 7	- 1	-10	-17	-16	-12	-10	-10	-10	-10	- 7	- 5	- 4	0	+ 2	+ 4	+ 8	+ 9	+ 9	+10	+ 9	+15	+21	+21	853	23	51	+24	03	07	-18	42
11	+16	+ 8	0	- 9	-14	-12	-13	-16	-15	-12	- 9	- 7	- 6	- 3	0	+ 1	+ 2	+ 6	+11	+14	+13	+14	+19	+24	855	23	57	+24	07	27	-16	40
12	+14	+12	+ 2	- 4	- 9	- 9	- 6	- 4	- 4	- 5	- 4	- 6	- 6	- 6	- 5	- 3	- 1	+ 1	+ 5	+ 1	+ 5	+ 9	+13	+12	866	22	52	+15	05	09	-11	26
13	+11	+ 8	+ 5	- 1	- 4	- 9	-11	-10	- 9	-10	-14	-13	-10	-10	- 9	- 8	- 6	- 1	+ 6	+ 9	+16	+20	+23	+21	863	22	39	+26	10	57	-15	41
14	+19	+14	+10	- 2	- 7	- 8	-11	-14	-18	-16	-21	-19	-17	-14	- 9	- 7	- 2	+ 1	+9	+16	+20	+22	+27	+22	865	22	52	+28	09	02	-23	51
15	+28	+18	+10	+ 4	0	- 6	- 2	-12	-16	-20	-24	-25	-22	-18	-16	-13	- 8	- 3	+ 1	+16	+18	+24	+29	+28	850	00	01	+32	11	30	-27	59
16	+18	+11	+ 6	+ 4	+ 1	- 5	- 9	-16	-10	-11	-12	-11	-10	- 1	- 1	- 3	- 2	+ 2	+ 4	+9	+ 9	+10	+10	+11	852	00	01	+23	07	19	-18	41
17	+20	+23	+17	- 2	-25	-34	-34	-23	-18	-14	- 9	- 9	- 9	- 7	- 3	- 2	- 2	0	+ 5	(+17)	+25	+25	+25	+22	844	21	40	+28	06	30	-37	65
18	+ 4	- 1	- 1	- 5	- 8	- 5	- 4	- 5	- 3	- 1	- 1	- 4	- 5	- 6	- 5	- 5	- 3	- 3	+ 4	+14	+11	+11	+11	+ 4	852	20	00	+14	03	54	- 8	28
19	-10	- 8	- 8	-13	-17	-14	-10	- 4	- 3	- 6	- 1	- 6	-13	- 6	- 8	- 6	- 6	- 2	+ 6	+18	+25	+30	+33	+35	857	23	58	+40	12	39	-19	59
20	+42	+25	+16	+ 4	+ 2	+ 6	+ 8	- 8	-31	-19	- 5	-17	-19	-14	-16	-13	-10	- 6	0	+ 9	+ 9	+ 9	+16	+21	854	00	06	+45	09	21	-39	84
21	+23	+20	+14	+ 2	- 5	- 3	- 3	- 9	-11	-19	-15	-15	- 7	- 8	- 8	- 5	- 5	- 4	+ 2	+11	+14	+ 9	+ 6	+ 4	852	00	54	+23	09	18	-24	47
22	0	0	- 1	-10	-12	-12	-12	-14	-10	- 7	- 8	- 5	- 5	- 7	- 5	- 3	- 3	- 4	+ 4	+15	+21	+27	+31	+28	854	22	18	+33	08	18	-17	50
23	+15I	+ 6	- 3	- 7	- 6	- 9	-10	-11	- 7	- 4	- 4	- 4	- 3	- 4	- 5	- 3	- 2	0	+ 4	+ 7	+10	+13	+18	+18	861	00	01	+20	07	06	-11	31
24	+13	+10	0	- 8	-10	- 9	-12	-12	-10	-10	- 8	- 6	- 5	- 2	- 2	- 2	- 2	+ 4	+ 6	+15	+16	+15	+15	+15	864	19	51	+17	06	57	-14	31
25	+12	+ 7	- 2	-13	-19	-19	-15	-13	-12	- 9	- 8	- 7	- 6	- 5	- 3	- 2	0	+ 1	+ 7	+15	+19	+24	+24	+22	864	21	54	+24	04	56	-21	45
26	+12	+10	+ 6	+ 4	+ 1	- 2	- 2	- 1	- 5	- 9	-12	- 8	- 3	- 3	- 5	- 6	- 5	- 1	+ 3	+ 4	+ 4	+ 3	+ 6	+ 6	870	00	04	+15	10	49	-14	27
27																																
28																																
29	+12I	+ 4	- 4	- 6	- 7	- 5	- 5	- 6	-10	-12	-10	- 5	- 4	- 5	- 6	- 5	+ 1	+ 7	+ 8	+14	+17	+16	+10	+ 5	869							
30	+ 6	+ 4	- 1	- 8	- 6	- 1	- 1	- 6	- 7	- 9	-11	- 8	- 4	- 4	- 5	- 3	- 3	+ 2	+ 6	+ 9	+10I	+10I	+ 9	+14	865	23	54	+15	10	57	-11	26
31	+11	+ 4	- 6	-12	-13	-15	-15	-13	-13	-11	- 9	- 8	- 5	- 6	- 6	- 4	+ 1	+ 4	+14	+20	+20	+22	+24	+23I	865	22	56	+25	06	15	-19	44
MEAN.	+15	+ 9	+ 2	- 6	-10	-10	-10	-11	-11	-11	-10	- 9	- 8	- 7	- 6	- 5	- 3	0	+6	+12	+16	+18	+21	+20	859							

HORIZONTAL INTENSITY

G.M.T. (H = 34000γ + Mean + ...) August 1944

DAY.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H. M. γ	Minimum. H. M. γ	Range.
1	+22	+17	+10	+ 4	- 5	- 5	-11	-14	-18	-11	-13	-20	-11	- 9	- 9	- 6	- 4	- 1	+ 4	+13	+16	+19	+21	+21	865			
2	+10	+10	+ 6	0	- 7	-14	-12	- 9	- 8	- 7	- 4	- 2	- 2	- 1	+ 3	- 3	0	+ 3	+ 8	+22	+25	+17	- 7	-19	873	20 38 +27	23 44 -22	49
3																												
4																												
5	+ 8	+ 2	- 5	-12	-15	-12	-10	-11	-11	-12	- 6	- 8	-10	-10	- 8	- 5	- 2	0	+ 9	+15	+19	+19	+31	+34	845	23 07 +36	04 34 -15	51
6	+26	+14	- 2	-14	-11	- 5	- 7	-11	-17	-17	-14	-14	-11	-10	- 6	- 6	- 5	- 2	+ 2	+ 8	+17	+25	+31	+35	847	23 35 +36	08 36 -19	55
7	+15	- 1	- 9	-12	-15	-17	-17	-15	-15	-12	-10	-10	-11	-11	-10	- 8	- 5	- 3	+ 7	+19	+29	+36	+42	+41	857	23 09 +45	05 39 -20	65
8																												
9																												
10	+27	+25	+22	+17	+11	- 2	-19	-30	-30	-29	-17	-16	-16	-14	-11	- 7	- 4	- 1	+ 7	+15	+17	+15	+17	+17	857	00 37 +30	07 51 -36	66
11																												
12	+31	+28	+ 8	-10	-13	-20	-21	-24	-19	-17	-15	-13	-10	-10	- 5	- 3	- 1	+ 3	+11	+17	+19	+21	+22	+14	851	00 58 +36	07 30 -28	64
13	+ 9	- 3	- 8	- 8	- 5	- 4	- 8	-14	-16	-15	-14	-13	-11	- 9	- 7	- 4	- 2	+ 2	+10	+19	+23	+29	+31	+23	851	22 18 +31	08 38 -19	50
14	- 1	- 7	-11	-11	-13	-11	- 9	- 8	- 9	- 8	- 8	- 8	- 7	- 6	- 4	- 3	+ 4	+ 6	+11	+22	+19	+19	+23	+25	868	22 48 +27	04 27 -14	41
15	+26	+18	+ 1	- 6	- 2	- 1	- 4	- 7	- 5	- 9	-17	-15	-11	-13	-11	- 7	- 5	0	+9	+13	+12	+11	+ 9	+ 3	861	00 00 +30	11 18 -20	50
16	- 3	- 3	- 5	- 4	- 3	0	+ 1	+ 1	+ 1	- 2	- 5	-10	-17	-19	-17	-13	- 9	- 2	+ 6	+11	+18	+25	+28	+25	859	22 09 +30	13 54 -21	51
17	+12	+ 1	-12	-15	-15	-15	-13	-11	- 9	- 8	- 8	- 9	- 8	- 8	- 6	- 4	- 1	+ 1	+ 6	+11	+16	+23	+30	+35	861	23 35 +37	05 00 -18	55
18	+38	+31	+24	+21	+17	+18	+11	-12	-17	-22	-35	-31	-31	-31	-24	-19	-17	-15	- 4	+9	+17	+24	+26	+24	853	00 03 +43	10 35 -38	81
19	+20	+ 1	- 8	-11	-23	-34	-30	-29	-16	-14	-16	-14	-14	-11	- 7	- 2	+ 1	+ 5	+16	+29	+34	+38	+39	+37	846	21 51 +42	05 42 -37	79
20	+18	+ 8	+ 1	- 8	-13	-11	-11	-11	-16	-18	-14	-13	- 8	- 6	- 7	- 8	- 6	- 4	+ 5	+16	+25	+30	+30	+31	855	22 51 +31	09 07 -19	50
21	+21	+12	+ 3	- 5	-11	- 9	- 6	- 8	- 9	-11	- 8	- 7	- 7	-11	-12	- 8	-6	- 4	+ 4	+11	+15	+16	+18	+18	862	00 02 +23	04 42 -13	36
22	+16	+11	+ 5	- 6	- 8	- 6	- 8	-13	-14	-13	-15	-18	-19	-15	- 8	- 6	- 4	- 1	+ 9	+16	+20	+26	+23	+18	857	21 42 +27	12 27 -19	46
23	+24	+15	+16	+19	+19	+ 4	- 5	-19	-27	-34	-36	-34	-15	-15	-14	-12	- 6	+ 1	+ 9	+13	+15	+19	+26	+31	847	23 45 +33	11 03 -36	69
24	+31	+17	+ 3	0	- 1	- 5	- 5	- 9	-14	-12	-19	-21	-24	-12	-16	- 9	- 7	- 2	+ 3	+10	+14	+22	+22	+24	844	00 06 +35	12 33 -26	61
25	+16	+11	+ 1	- 9	-11	- 6	- 3	- 6	- 8	-11	-13	-13	-12	- 9	- 6	- 3	- 3	- 2	+ 5	+ 8	+11	+16	+24	+27	850	23 15 +29	10 27 -14	45
26	+ 8	- 2	- 9	-11	-11	-11	-11	-11	-11	- 9	- 9	- 9	- 9	- 9	- 5	- 2	+1	+ 3	+ 8	+13	+18	+23	+24	+21	860	22 06 +26	03 24 -12	38
27	+16	+11	+ 6	- 3	-10	-20	-18	-13	-13	-12	-10	-10	- 9	- 6	- 3	- 1	0	+ 1	+ 8	+16	+14	+14	+16	+15	857	00 00 +22	05 39 -24	46
28																												
29	- 5	-12	-15	-12	-10	- 7	- 7	- 7	- 7	- 7	- 9	- 7	- 7	-10	- 7	- 7	- 5	+ 1	+ 9	+17	+25	+29	+29	+29	855	21 12 +29	02 30 -17	46
30	+10	- 4	-14	-20	-23	-21	-14	- 9	-10	- 9	-13	-13	-11	- 4	- 4	- 5	- 2	+ 5	+13	+22	+32	+32	+32	+30	859	21 09 +34	04 46 -27	61
31	+20	+ 5	- 9	-20	-11	- 4	+ 1	- 2	+ 3	- 4	-11	- 6	-11	-12	-10	- 8	- 6	- 2	+ 8	+13	+15	+24	+22	+10	854			
MEAN.	+17	+ 8	0	- 5	- 8	- 9	- 9	-12	-13	-13	-14	-13	-12	-11	- 9	- 6	- 4	0	+7	+15	+19	+23	+24	+23	856			

HORIZONTAL INTENSITY

G.M.T. (H = 34000γ + Mean +.....) September 1944

DAY.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H.	M.	γ	Minimum. H.	M.	γ	Range.
1																																
2	+ 5	-12	-16	-26	-25	-19	-18	-19	-12	-13	- 9	+ 5	+ 5	0	- 2	- 2	- 2	+ 4	+13	+27	+34	+35	+27	+22	839	21	18	+37	07	06	-35	72
3	- 2	-12	- 9	- 7	- 7	- 9	-13	-13	-13	-12	- 4	+ 1	- 1	- 2	- 2	- 3	- 2	- 1	+ 3	+10	+19	+26	+30	+32	851	23	35	+32	07	00	-16	48
4	+13	+ 2	-10	-14	-14	-14	-14	-14	- 9	- 7	- 5	- 3	- 2	- 2	+ 1	+ 3	+ 3	+ 3	+ 6	+12	+14	+16	+20	+13	863	22	27	+20	03	41	-15	35
5	+ 4	+ 1	+ 4	- 1	- 8	-15	-13	-13	-15	-15	-15	-13	-10	- 8	- 6	- 3	- 6	- 2	+ 4	+17	+25	+29	+29	+23	862	22	32	+31	05	45	-18	49
6																																
7	+33	+26	+18	+11	+ 1	-13	-16	-11	-23	-33	-26	-21	-18	-16	-13	-11	- 6	- 4	+ 4	+12	+18	+26	+28	+31	866	00	01	+36	10	00	-35	71
8	+34	+24	+13	+ 6	+ 5	+ 1	0	- 5	-10	-11	-15	-18	-20	-23	-20	-11	- 5	+ 2	+10	+ 7	+10	+ 5	+ 5	+ 5	860	00	11	+37	13	05	-24	61
9	- 2	+ 2	+ 1	- 2	- 7	- 8	- 4	- 7	- 9	- 9	-11	-14	-11	-10	- 8	- 7	- 4	- 2	+ 3	+14	+22	+25	+24	+20	864	22	15	+28	10	51	-14	42
10	+14	+ 9	- 4	-12	-18	-14	-12	- 8	- 7	-15	-16	-18	-15	-14	-13	- 5	- 2	+ 8	+18	+24	+28	+30	+29	+23	869	20	41	+34	11	06	-19	53
11	+16	+ 7	- 3	- 6	- 3	- 4	- 8	- 8	-12	-11	-12	-13	-13	-13	-11	- 9	- 7	- 1	+ 9	+19	+23	+19	+23	+21	868	20	42	+26	13	12	-14	40
12	+23	+14	+ 4	- 4	- 4	- 6	- 2	- 4	-11	-13	-16	-11	- 6	-11	- 9	- 6	- 4	- 1	+ 2	+ 9	+ 9	+14	+18	+20	866	00	14	+26	10	05	-21	47
13	+ 7	- 3	-11	-11	- 9	- 9	- 9	-12	-13	-11	- 8	- 7	- 9	- 8	- 7	- 6	- 1	+ 4	+10	+16	+29	+31	+19	+14	873	20	48	+36	08	33	-13	49
14	+11	+ 3	- 2	- 3	- 4	- 7	-13	-18	-16	- 9	- 9	- 9	-12	-10	- 4	+ 1	- 2	- 4	+ 4	+13	+18	+25	+23	+20	869	21	46	+27	08	00	-19	46
15	+10	+ 8	+ 4	+ 1	- 2	- 7	-12	-13	-16	-15	-10	-10	-10	-11	-10	- 6	- 5	- 1	+ 5	+15	+20	+26	+25	+25	873	21	36	+27	08	37	-17	44
16	+22	+13	+ 1	-12	-19	-21	-19	-13	-12	-12	-10	-10	- 9	- 7	- 9	- 9	- 7	- 5	+ 1	+12	+20	+32	+38	+35	870	22	28	+39	06	25	-24	63
17	+15	+16	- 5	-12	-16	-16	-16	-16	-16	-16	-14	-18	-18	-18	-16	- 8	- 1	- 2	+ 8	+21	+34	+40	+43	+42	879	23	07	+44	12	00	-21	65
18	+46	+20	0	- 6	-13	-16	-24	-22	-21	-21	-16	-13	-12	- 8	- 7	- 8	- 6	0	+ 7	+17	+22	+26	+27	+23	862	00	02	+52	06	54	-25	77
19	+ 3	- 4	- 6	-10	-11	-12	-15	-17	-16	-13	-15	-16	-13	-11	-10	- 7	- 7	- 4	+17	+20	+32	+40	+44	+40	873	22	13	+44	11	04	-17	61
20	+22	+ 7	- 4	- 9	-11	-14	-16	-16	-15	-13	-11	-11	- 9	-11	-10	- 6	- 6	+ 3	+ 8	+23	+44	+35	+25	- 3	882	20	42	+51	07	00	-19	70
21	+27	+20	-14	- 8	- 4	- 1	-14	-19	-12	-19	-24	-14	-12	-12	-10	- 6	- 1	+ 3	+ 5	+10	+21	+22	+27	+25	851	00	44	+33	10	00	-28	61
22	+ 9	0	- 4	-12	-18	-16	-13	-13	-11	- 8	- 8	- 8	- 5	- 6	- 2	+ 4	+ 5	+ 4	+10	+14	+19	+23	+21	+11	862	21	33	+23	04	25	-21	44
23	+ 4	- 4	-10	-13	-16	-18	-18	-16	-23	-24	-18	-13	-11	- 6	- 1	+ 3	+ 6	+16	+30	+41	+38	+36	+14	+ 1	862	20	57	+43	09	54	-25	68
24																																
25	+ 8	0	- 2	- 4	- 6	- 4	- 4	- 7	- 9	- 7	- 4	- 2	- 2	- 4	- 7	- 2	0	0	0	0	+ 8	+15	+16	+15	859	00	36	+34	08	15	-13	47
26	+ 1	- 8	- 2	- 3	- 6	- 8	-17	-13	- 6	- 5	- 6	- 3	- 3	- 1	- 3	+ 6	+ 4	+ 6	+ 6	+ 6	+ 6	+11	+16	+21	858	23	55	+24	06	51	-20	44
27	+17	+14	+10	+ 2	- 8	-10	- 8	-13	-10	- 8	- 9	- 8	- 5	- 3	- 3	- 2	- 1	- 3	+ 4	+ 2	+ 2	+ 8	+10	+14	860	00	01	+19	08	12	-18	37
28	+12	+ 7	- 5	-10	-10	-15	-15	-15	-12	-10	-10	-10	-12	-10	- 7	- 5	- 5	- 5	+ 2	+16	+24	+29	+32	+27	862	22	00	+32	05	24	-17	49
29	+12	+ 7	+ 1	- 6	-19	-23	-20	-13	- 9	-15	-15	-17	-14	- 8	- 8	- 8	- 6	- 1	+ 4	+14	+20	+31	+41	+41	865	23	03	+43	05	00	-25	68
30	+34	+24	+16	+10	+ 5	+ 5	+ 5	+ 2	+ 2	+ 2	+ 5	0	- 8	- 8	0	-15	-10	-12	-10	-25	-10	0	+ 2	-15	867	00	01	+37	19	42	-55	70
31																																
MEAN.	+15	+ 7	- 1	- 6	- 9	-11	-12	-12	-12	-13	-11	-10	- 9	- 9	- 7	- 5	- 3	0	+ 7	+14	+20	+24	+24	+20	864							

HORIZONTAL INTENSITY

G.M.T. (H = 34000γ + Mean + ...) October 1944.

DAY.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H. M. γ	Minimum. H. M. γ	Range.
1	+ 1	0	-10	-12	-15	-12	-10	-12	- 7	0	+ 2	+ 6	+10	+ 6	+ 2	+ 2	+ 2	- 1	+ 1	+ 7	+12	+ 7	+ 7	+ 8	850	11 54 +22	04 51 -17	39
2	+ 2	- 3	- 8	-14	-15	-13	-13	-10	- 8	- 8	- 8	- 8	- 3	- 1	- 6	- 4	- 3	+ 3	+ 8	+13	+15	+24	+29	+31	858	23 51 +32	04 36 -17	49
3	+31	+26	+16	+ 4	-16	-19	-15	- 6	-13	- 6	- 6	- 4	- 4	- 8	-12	-11	- 8	- 4	+ 1	+ 9	+ 6	+13	+18	+13	857	00 02 +34	05 30 -21	55
4	+ 8	+ 8	+ 1	- 9	-16	-19	-19	-19	-16	-13	- 7	- 4	- 4	- 2	- 2	- 4	- 6	- 4	+ 1	+ 3	+13	+25	+35	+41	865	23 58 +44	05 24 -19	63
5	+35	+22	0	-10	-12	-16	-17	-18	-17	-18	-17	-14	-14	-10	- 7	- 5	- 4	- 3	0	+ 6	+15	+26	+32	+35	873	23 18 +36	10 36 -20	56
6	+29	+18	+16	+ 9	+ 1	- 9	-14	-11	-11	-14	-14	-14	-11	- 8	- 4	+ 3	+ 8	+13	+ 7	+ 1	+ 1	0	+ 3	+ 6	877	00 06 +32	11 30 -16	48
7	+17	+ 8	- 3	- 7	-10	-11	-13	-13	-14	-13	-13	-14	- 8	- 8	- 5	- 5	- 5	- 3	- 2	+ 4	+17	+29	+32	(+29)	866	21 44 +32	11 48 -15	47
8																												
9																												
10	+11	+ 8	+ 3	+ 2	+ 3	- 2	- 7	-10	-11	-11	-11	-14	-16	-16	-14	- 9	- 9	- 4	+ 3	+ 9	+19	+24	+26	+23	877	23 25 +27	12 42 -16	43
11	+31	+ 3	-15	-34	-20	-14	- 3	+ 5	+ 9	+14	+19	+22	+19	+19	+29	+12	-12	-12	-12	-12	-11	-24	-16	- 8	844	00 00 +47	03 34 -38	85
12	- 8	-10	-15	-11	-13	-11	- 7	- 4	- 5	- 7	- 7	- 4	+ 1	- 2	- 1	- 3	+ 1	+ 3	+ 8	+10	+15	+16	+20	+27	844	23 18 +29	02 32 -16	45
13	+ 4	- 1	+ 2	- 2	- 6	- 6	- 4	- 3	- 4	- 3	- 3	- 3	- 3	- 6	- 6	- 9	- 8	- 8	- 4	+ 7	+11	+16	+21	+24	860	23 18 +26	15 25 -10	36
14	+31	+26	+17	+ 3	- 4	- 3	+ 2	+ 3	- 4	-11	- 8	-13	-10	-14	-10	-10	- 4	0	0	+ 3	+ 4	+14	+ 7	-25	850	00 12 +34	23 53 -35	69
15	-11	-29	-31	-37	-27	-12	- 8	- 3	- 4	-11	+ 1	- 1	- 1	+ 1	+ 4	+ 8	+12	+21	+23	+24	+26	+26	+14	+24	819	23 58 +31	03 29 -40	71
16	+ 2	- 3	- 9	-15	-17	-19	-15	- 8	-11	- 8	- 8	- 9	- 8	- 6	- 1	+ 2	- 1	- 3	+ 2	+14	+23	+31	+31	+31	848	23 25 +33	05 44 -20	53
17	+12	+ 2	- 6	- 7	-12	-17	-18	-17	-12	- 7	- 7	- 3	+ 2	- 5	- 5	- 4	- 1	+ 3	+ 7	+11	+22	+27	+17	+17	857	21 26 +32	07 48 -18	50
18	+12	0	- 7	- 6	-10	-15	-24	-18	-15	-14	- 9	0	+ 2	- 3	- 5	- 4	- 4	- 6	0	+ 7	+16	+29	+38	+38	857	22 54 +39	06 34 -27	66
19	+26	+16	+ 9	- 3	-12	-12	-12	-10	-13	-10	- 8	- 7	- 6	- 7	- 6	- 6	- 4	- 7	- 6	- 1	+10	+16	+24	+26	860	00 02 +31	09 15 -15	46
20	+15	+10	+ 5	- 3	- 9	- 9	- 9	- 7	- 6	- 4	- 4	- 4	- 4	- 1	- 1	- 2	- 4	- 9	- 7	- 4	+ 3	+10	+14	+21	866	23 54 +20	05 21 -10	30
21	+22	+19	+11	0	- 6	- 6	- 6	- 6	-11	-13	-15	-15	-11	- 9	- 6	- 3	- 5	- 9	-11	- 6	+ 3	+15	+29	+35	866	23 47 +36	11 09 -15	51
22																												
23																												
24	+27	+17	+ 8	- 1	- 9	-17	- 9	+ 5	- 7	- 8	- 9	- 6	- 2	- 7	- 6	- 2	0	- 3	- 6	- 5	0	+ 8	+17	+22	860	00 51 +30	05 27 -17	47
25	+14	+10	+ 3	- 3	- 9	-13	-13	-15	-16	-18	-16	-14	-14	-10	- 9	- 4	- 2	- 1	+ 3	(+ 5)	+18	+30	+38	+30	867	22 50 +40	09 34 -19	59
26	+10	+ 1	- 9	- 7	- 7	- 9	- 1	-11	-18	-10	- 8	-11	- 9	- 8	- 7	- 4	- 2	- 4	- 4	+ 6	+14	+23	+31	+33	862	23 15 +35	08 57 -19	54
27	+17	+11	0	- 8	-13	-13	-13	-11	- 8	-11	-10	-11	-12	-13	-12	-13	-12	- 6	+ 1	+11	+24	+34	+39	+34	871	22 32 +39	06 26 -16	55
28	+29	+16	+ 4	- 1	- 8	-11	- 6	- 8	- 3	- 6	-13	-18	-18	-15	-11	- 8	- 8	- 6	- 1	+10	+19	+21	+26	+26	866	00 03 +34	11 30 -20	54
29	+16	+ 9	+ 2	-10	-16	-15	-11	-13	-13	-14	-13	-10	- 8	- 6	- 4	- 4	- 4	- 4	- 2	+ 8	+26	+31	+34	+31	874	22 51 +36	04 26 -19	55
30	+28	+23	+13	- 3	-14	-16	-14	-16	-16	-16	-14	-14	-14	-14	-14	-11	-10	- 9	- 4	+ 8	+23	+33	+38	+34	875	22 49 +41	09 08 -19	60
31	+45	+33	+15	- 2	-11	-19	-13	-17	-23	-21	-11	- 9	- 4	- 2	0	+ 3	+ 1	- 5	-11	-14	- 3	+15	+25	+35	858	00 02 +48	08 53 -29	77
MEAN.	+17	+ 9	0	- 7	-11	-12	-11	- 9	-10	-10	- 8	- 7	- 6	- 6	- 4	- 3	- 3	- 2	0	+ 5	+13	+19	+23	+24	860			

[209/9/46—10537

HORIZONTAL INTENSITY

G.M.T. (H = 34000γ + Mean + ...) November 1944.

DAY.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H. M. γ	Minimum. H. M. γ	Range.
1	+21	+10	- 4	-10	-15	-13	-12	-11	- 9	- 7	- 9	- 7	- 7	- 6	- 7	- 5	- 4	- 5	- 5	+ 2	+16	+30	+34	+30	870	22 25 +36	04 29 -16	52
2	+24	+14	- 1	-13	-19	-18	-16	-14	-13	-11	-10	- 8	- 7	- 6	- 4	- 5	- 5	- 6	- 4	+ 4	+19	+26	+35	+41	871	23 33 +44	04 50 -19	63
3	+27	+21	+13	+ 1	- 9	-15	-19	-16	-15	-16	-15	- 9	+ 3	- 4	- 8	-14	-14	-14	-14	- 2	+13	+25	+36	+38	889	23 19 +38	06 42 -19	57
4	+42	+30	+22	+ 9	- 1	- 5	-11	- 8	-16	-25	-22	-20	- 7	-10	-13	-15	-15	- 9	- 5	+ 2	+12	+22	+25	+25	868	00 00 +47	09 36 -28	75
5	+43	+43	+28	- 4	- 8	- 8	-21	-16	-23	-18	- 9	- 9	+ 6	+ 3	- 2	+ 3	+ 6	+ 8	- 2	0	+ 6	- 4	- 4	- 6	852	01 20 +45	09 02 -30	75
6	+ 4	+ 3	- 4	-19	-28	-35	-35	-31	- 4	- 9	-12	-13	-12	- 4	+ 3	+ 5	+ 6	+10	+17	+26	+29	+33	+34	+34	843	23 27 +37	05 49 -35	72
7	+11	+ 7	+ 3	- 1	- 6	- 6	- 7	- 9	- 9	-11	-11	-11	-10	- 6	- 5	- 3	- 4	- 5	+ 1	+ 6	+11	+14	+24	+31	864	23 27 +32	10 22 -12	44
8	+32	+20	+ 5	- 3	-14	-19	-14	-17	-21	-26	-29	-31	-21	-14	-10	- 5	- 2	+ 3	+ 7	+15	+25	+32	+41	+47	861	23 44 +50	10 54 -33	83
9	+35	+27	+12	+ 2	- 1	- 5	- 5	- 8	-20	-22	-18	-15	-15	-14	-11	- 8	- 7	- 8	+ 1	+10	+ 9	+18	+24	+22	869	00 11 +39	08 55 -26	65
10	+ 6	- 1	- 7	-11	-13	-10	- 4	+ 4	+ 6	+ 6	- 1	- 1	- 2	- 6	-12	-11	- 9	+ 1	- 7	- 6	+ 9	+17	+24	+21	877	23 03 +24	14 15 -13	37
11	+23	+ 8	- 7	-15	-17	-15	-17	-13	-12	-10	-12	- 9	- 7	- 7	- 7	- 6	- 4	- 4	+ 4	+14	+26	+31	+33	+33	868	23 12 +35	04 18 -19	54
12	+16	+ 8	0	- 8	-14	-12	-10	- 5	- 6	- 7	-10	-10	-10	-10	-10	-10	- 8	- 7	- 7	+ 4	+18	+30	+38	+35	878	22 21 +38	04 45 -14	52
13	+23	+11	+ 1	- 6	-11	-11	-10	- 6	- 6	- 5	- 4	- 5	- 9	- 9	- 9	- 9	- 6	- 6	- 4	+ 1	+ 9	+21	+30	+29	882	22 52 +31	04 45 -11	42
14	+20	+13	+ 6	+ 1	- 2	- 3	- 3	- 3	- 4	- 7	- 8	- 8	- 8	- 9	-13	-15	-17	-17	-14	- 2	+14	+26	+29	+23	885	22 30 +31	16 44 -17	48
15	+15	+ 8	0	- 6	-10	-10	- 7	- 5	- 5	- 5	- 5	- 5	- 5	- 7	- 6	- 7	- 8	-12	-16	- 5	+10	+22	+29	+28	883	22 53 +30	18 24 -17	47
16	+25	+19	+11	+14	- 4	- 9	-12	-15	-19	-21	-20	-16	-14	-13	-12	- 9	- 5	- 2	+ 1	+ 8	+18	+27	+29	+28	880	23 34 +31	09 36 -24	55
17	+19	+16	+ 8	- 1	- 7	-12	-12	-13	-14	-13	-14	- 9	- 6	- 4	- 4	- 4	- 4	- 7	- 1	+ 9	+22	+31	+34		886	23 30 +36	08 25 -17	53
18	+27	+25	+16	+ 1	-10	-16	-19	-19	-19	-21	-19	-21	-19	-19	-15	- 9	-11	-11	- 5	+ 6	+18	+31	+49	+50	888	23 09 +58	09 45 -21	79
19	+50	+30	+17	+ 6	0	-10	-16	-17	-20	-16	-13	- 8	- 8	-10	-10	- 8	- 4	- 3	- 8	- 8	- 3	+ 7	+17	+24	882	00 09 +55	08 33 -21	76
20	+44	+40	+25	+ 7	- 7	-12	-14	-19	-21	-21	-14	-10	-14	+ 7	0	-13	-14	-13	-17	-12	- 2	+17	+25	+27	862	00 04 +47	09 18 -29	76
21	+25	+15	+ 5	- 7	-10	-11	-10	-14	-16	-14	-14	-14	-12	-12	-10	- 7	- 7	- 5	- 3	+ 3	+12	+25	+35	+37	862	23 15 +42	09 12 -16	58
22	+24	+18	+ 9	+ 1	- 8	-11	-14	-14	-15	-16	-14	-14	-11	- 9	- 6	- 6	- 3	+ 2	+ 1	+ 6	+ 8	+16	+23	+22	871	00 00 +26	09 48 -19	45
23	+17	+12	+ 4	- 2	- 5	- 8	-13	-18	-19	-21	-20	-20	-15	-13	-10	- 8	- 5	- 3	+ 2	+ 8	+20	+34	+43	+44	870	23 30 +44	09 33 -22	66
24	+26	+13	+ 1	- 5	- 5	- 7	- 8	- 9	-11	-11	-10	-11	-10	-11	-11	-10	- 8	- 9	- 7	- 2	+ 8	+23	+33	+30	876	23 00 +36	09 06 -13	49
25	+16	+8	0	- 5	-10	- 8	- 5	- 5	- 5	- 7	- 7	-10	-11	-10	-10	-10	-10	-10	- 7	+ 5	+18	+25	+28	+26	884	22 06 +29	12 48 -12	41
26	+27	+ 7	- 8	- 8	-10	-11	-10	-10	-10	- 9	- 8	- 9	- 8	-10	- 9	- 8	- 8	- 4	+ 2	+10	+14	+23	+27	+27	871	00 03 +35	06 12 -13	48
27	+21	+14	+ 1	-14	-21	-21	-20	-14	-14	-11	- 9	- 6	- 9	- 6	- 4	- 6	- 6	- 6	0	+ 8	+18	+28	+38	+39	872	23 03 +41	06 00 -23	64
28	+30	+21	+ 3	-10	-15	-19	-15	-13	-10	- 9	- 9	- 9	- 9	-11	-11	-13	-13	-11	- 9	- 2	+11	+33	+46	+43	877	22 48 +47	05 33 -19	66
29	+31	+23	+ 9	- 1	- 9	- 9	- 9	- 7	- 9	- 9	- 9	- 9	- 6	- 6	- 9	-11	-11	-11	-11	- 4	+ 4	+16	+30	+34	884	00 02 +35	11 21 -11	46
30	+34	+22	+10	+ 1	- 5	- 7	- 6	- 7	- 6	- 6	- 6	- 9	- 6	- 7	- 9	-13	-12	-11	-11	- 6	+ 1	+ 9	+17	+21	879	00 06 +36	15 52 -16	52
31																												
MEAN.	+25	+17	+ 6	- 4	-10	-12	-12	-12	-12	-13	-12	-11	- 9	- 8	- 8	- 8	- 7	- 6	- 4	+ 3	+13	+23	+30	+31	873			

200/1/41—14357]

HORIZONTAL INTENSITY

(H = 34000γ + Mean + ...)

December 1944

DAY.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H. M. γ	Minimum. H. M. γ	Range.
1	+21	+16	+11	+ 2	- 4	- 6	- 4	- 4	- 1	+ 3	+ 3	+ 7	- 2	- 9	-13	-12	- 7	- 9	- 9	- 9	- 7	+ 1	+13	+23	879	23 42 +26	15 02 -17	43
2	+29	+26	+21	+16	+ 7	- 3	-10	- 9	-14	-21	-24	-20	-14	-10	- 7	- 4	- 4	- 4	-12	- 8	+ 7	+18	+24	+28	869	00 01 +33	10 24 -26	59
3	+24	+ 9	- 9	-15	-16	-16	-16	-15	-13	-12	- 7	- 4	- 2	+ 1	+ 3	- 2	- 4	- 5	- 5	- 2	+11	+27	+31	+31	868	21 59 +33	06 00 -19	52
4	+22	+14	+ 2	- 8	-16	-17	-14	-16	-16	-12	-11	-11	-11	- 8	- 7	- 5	- 5	- 6	- 1	+ 9	+17	+27	+32	+34	873	23 59 +37	05 19 -18	55
5	+35	+30	+18	+ 4	- 6	- 8	- 7	-10	-12	-10	-12	-15	-15	-12	-10	- 8	- 5	- 1	+ 3	+ 4	+ 5	+14	+14	+13	872	00 02 +38	11 47 -16	54
6	+10	- 1	- 8	- 8	-10	-12	-15	-15	-15	-12	-10	-10	-10	- 8	- 8	- 3	0	0	+ 5	+12	+17	+25	+32	+40	865	23 45 +42	09 00 -19	61
7	+27	+18	+ 7	- 3	+ 9	-11	-10	-13	-13	-14	-13	-13	-13	-10	- 8	- 8	- 7	- 5	- 3	0	+ 7	+20	+32	+37	875	23 39 +38	09 34 -15	53
8	+28	+19	+ 7	- 5	-12	-12	-11	-13	-13	- 8	- 8	-11	-11	-11	-13	-13	-11	- 8	- 5	+ 5	+17	+29	+37	+32	883	22 22 +42	07 36 -16	58
9	+25	+17	+ 5	- 8	-18	-15	-13	-10	- 7	- 9	-13	-13	-13	-13	-13	-13	-10	- 8	0	+13	+22	+27	+32	+30	880	22 51 +36	04 06 -23	59
10	+21	+11	- 1	-14	-19	-19	-16	-14	-13	-13	-14	-13	-11	-10	-10	- 8	- 5	- 1	+ 4	+11	+16	+27	+39	+41	881	23 15 +44	05 18 -19	63
11	+33	+19	+ 5	- 9	-12	-11	- 7	- 7	-10	-10	-10	-14	-15	-15	-12	-12	-12	-11	- 6	0	-10	-24	-38	-40	882	22 49 +43	12 00 -17	60
12	+24	+ 9	- 8	-19	-21	-19	-14	- 9	- 6	- 4	- 8	-11	-11	-10	- 9	- 8	- 6	- 4	- 1	+ 1	+11	+ 31	+42	+40	891	22 48 +43	04 34 -21	64
13	+40	+30	+20	+ 5	- 5	-10	-10	- 7	- 3	- 5	+ 2	+ 2	- 2	- 3	- 5	- 8	-15	-15	-20	-14	- 8	+ 5	+10	+10	885	00 01 +45	18 20 -23	68
14	+37	+21	+ 6	-12	-39	-49	-45	-37	-28	-16	-10	- 1	+ 4	+ 1	- 1	- 2	- 4	- 5	- 4	+ 6	+21	+39	+56	+63	844	23 40 +63	05 45 -51	114
15	+32	+17	0	-15	-25	-26	-27	-28	-22	-15	-11	-13	-15	-15	-15	-15	-15	-13	- 5	+23	+36	+50	+55	+52	870	22 18 +60	07 06 -27	87
16	+84	+66	+51	+39	+46	+57	+46	+44	+29	+31	+44	+56	+39	+10	+40	-58	-88	-81	-88	-85	-76	-76	-66	-58	846	00 46 +115	16 34 -93	208
17	0	- 3	-19	-23	-15	-32	-25	-16	-18	-23	- 5	+ 7	+ 7	+ 9	+21	+25	+25	+14	+16	+ 8	+ 1	+ 8	+11	+17	777	18 29 +51	05 20 -37	88
18	-13	- 2	0	- 9	- 9	- 5	-14	-21	-12	-13	-13	- 7	- 5	- 4	+ 1	+ 2	+ 2	+ 2	+ 2	+ 5	+11	+23	+36	+43	807	23 34 +46	07 37 -25	71
19	+28	+30	+18	+ 7	+ 3	-11	-18	-20	-18	-13	-13	-11	-11	-10	- 9	- 9	-11	- 9	- 6	+ 1	+ 8	+15	+30	+35	825	24 00 +35	07 21 -23	58
20	+23	+20	+ 8	- 3	-11	-18	-23	-19	-18	-16	-16	-13	-11	-11	- 9	- 4	- 4	- 4	+ 1	+ 5	+18	+35	+43	+36	837	23 59 +46	06 24 -25	71
21	+12	+ 2	+ 3	- 4	-10	-10	-10	-12	-15	-16	-12	-12	-12	-11	-10	-10	- 9	- 6	- 5	+ 1	+14	+37	+50	+47	843	22 58 +54	08 51 -19	73
22	+31	+28	+17	+ 3	-11	-16	-16	-15	-15	-14	-12	-11	-16	-14	- 9	-11	-11	- 9	- 6	+ 2	+16	+31	+28	+27	854	22 39 +33	12 51 -18	51
23	+20	+14	+10	+ 3	- 2	- 7	- 9	- 9	- 9	-13	-14	-15	-14	-13	-12	-12	- 9	- 4	- 4	+ 3	+18	+26	+30	+28	852			
24																												
25	+13	+ 6	- 3	- 6	-10	-12	-12	-11	-11	- 9	- 6	- 8	- 9	- 9	- 9	- 8	- 6	- 4	- 4	+ 3	+16	+31	+33	+26	854	22 09 +36	05 33 -14	50
26	+ 8	+ 4	- 2	- 9	-14	-18	-19	-19	-18	-18	- 9	- 7	- 4	- 7	-10	- 9	- 3	+ 6	+ 7	+13	+18	+28	+44	+46	869	22 48 +52	05 51 -20	72
27	+65	+55	+30	+25	+28	+25	+17	+ 7	+ 1	- 9	-14	-16	-21	-23	-16	-23	-18	-16	-16	-14	- 4	-14	-16	-30	842	00 09 +75	23 59 -44	119
28	-36	-20	-23	-25	-20	-18	-11	-11	-11	- 6	- 6	+ 1	+ 8	+11	+12	+11	- 1	+ 1	+ 4	+ 1	+24	+35	+43	+38	852	22 27 +45	00 36 -39	84
29	+ 6	- 3	-11	-13	-11	-15	-19	-21	-18	- 7	- 9	- 7	-11	-15	-15	-13	-13	-11	- 8	- 5	+21	+54	+69	+64	851	22 57 +71	07 30 -25	96
30	+47	+28	+ 6	- 5	- 3	- 9	-10	-15	-12	-15	-17	-10	- 8	-15	-11	0	+ 1	0	- 3	- 5	+ 1	+11	+23	+28	848	00 01 +58	10 42 -22	80
31	+19	+ 5	- 6	-11	-12	-16	-16	-13	-11	- 9	- 6	- 4	- 6	- 5	- 1	- 4	- 4	- 3	- 3	0	+ 8	+26	+36	+31	849	22 59 +38	06 33 -17	55
MEAN.	+24	+16	+ 5	- 4	- 9	-11	-12	-12	-11	-10	- 8	- 7	- 7	- 8	- 5	- 8	- 9	- 7	- 6	- 1	+ 9	+21	+29	+30	857			

[illegible] 1/39—17185

DECLINATION

(D = 11° + Mean + ...East)

G.M.T. Unit = 0.1 minute of arc January 1944

DAY.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H. M. γ	Minimum. H. M. γ	Range.
1	+ 1	+14	+19	+18	+10	+10	+ 9	+ 7	+ 1	- 1	- 7	- 6	- 9	- 9	-11	- 8	- 1	- 1	- 1	-19	-21	-16	- 1	+14	066			
2	+19	+17	+10	+ 5	+ 5	+ 8	+ 9	+ 9	+ 8	+ 4	- 1	- 1	- 1	- 2	- 2	- 1	- 1	- 5	-10	-21	-26	-21	-12	0	066			
+ 3	+ 7	+ 9	+13	+14	+ 9	+ 3	+ 9	+ 9	+ 5	+ 3	+ 1	0	+ 1	+ 1	+ 1	+ 1	0	- 9	-18	-20	-24	-15	0	+11	064			
+ 4	+11	+13	+11	+ 7	+ 8	+10	+10	+10	+ 9	+ 8	+ 3	+ 1	0	0	0	0	- 4	-11	-19	-25	-23	-11	- 1	+ 2	065			
5																												
+ 6																												
+ 7	+11	+20	+11	+ 1	0	+ 3	+11	+10	+10	+ 6	+ 4	0	0	0	- 1	- 3	- 8	-18	-20	-19	-15	- 9	+ 2	+12	064			
8	+19	+21	+22	+21	+ 18	+ 9	+ 9	+ 8	+ 4	- 2	- 3	- 5	- 8	- 4	- 5	- 3	- 6	-19	-31	-30	-24	-15	+ 1	+19	066			
9	+23	+21	+16	+ 7	+ 1	+ 1	+ 4	+ 7	+ 8	+ 7	+ 2	- 1	- 1	- 1	- 1	- 1	- 1	-11	-21	-31	-31	-15	0	+17	066			
10	+21	+26	+24	+18	+11	+ 9	+ 9	+ 9	+ 9	+ 7	+ 1	- 1	- 3	- 6	- 3	- 4	- 9	-15	-21	-30	-29	-21	- 8	+ 1	066			
11	+ 5	+ 9	+19	+24	+13	+15	+12	+12	+ 7	+ 1	- 4	- 3	- 4	- 7	-10	-11	-11	-21	-23	-17	-14	- 4	- 1	+ 6	068			
12	+18	+24	+25	+18	+17	+19	+17	+16	+14	+ 6	+ 6	+ 3	- 4	- 5	- 4	- 4	- 3	- 6	-15	-29	-38	-36	-24	- 4	059			
13	+11	+21	+24	+21	+18	+16	+10	+ 8	+ 4	- 2	- 2	- 3	- 9	- 6	- 8	-11	-12	-18	-28	-24	-16	- 6	+ 3	+10	067			
14	+21	+28	+25	+19	+18	+16	+13	+11	+ 9	- 1	- 2	- 8	- 4	- 5	-11	-10	- 9	- 7	-14	-25	-25	-26	-19	- 1	066			
15	+ 8	+15	+18	+17	+14	+10	+ 8	+ 6	+ 9	+ 4	+ 3	- 4	- 5	- 5	- 5	- 6	- 5	- 4	- 8	-17	-22	-20	-15	- 5	070			
16	+11	+18	+18	+11	+10	+10	+11	+10	+10	+ 4	- 1	- 8	- 9	- 9	- 9	-10	- 9	- 9	- 9	-19	-22	-17	+ 1	+13	064			
17	+24	+28	+28	+27	+19	+16	+11	+ 9	+ 8	+ 8	0	- 4	- 9	-11	-11	-12	-11	-12	-19	-21	-22	-22	-13	- 1	067			
18	+ 6	+10	+15	+16	+17	+15	+11	+ 9	+ 9	+ 7	- 1	- 6	-10	-11	-11	-11	- 9	-11	-12	-18	-19	-11	+ 1	+17	066			
19	+18	+18	+17	+13	+ 7	+ 7	+ 8	+ 8	+ 7	+ 4	- 1	- 2	- 3	- 5	- 7	- 8	- 9	-11	-17	-20	-13	-11	- 2	+ 8	066			
20	+11	+10	+13	+20	+20	+17	+11	+ 9	+ 8	+ 2	0	- 4	- 6	- 8	- 7	- 5	- 3	-11	-19	-20	-20	-18	-10	0	065			
21	+ 6	+13	+12	+ 8	+ 8	+16	+13	+ 9	+ 8	+ 3	0	- 2	- 4	- 6	- 7	- 2	- 2	- 5	-12	-13	-14	-21	-13	- 2	067			
22	+ 2	+ 1	+ 6	+ 9	+ 9	+ 9	+ 8	+ 8	+ 7	0	- 1	- 1	- 2	- 8	-10	-10	-10	-11	-18	-15	-10	- 1	+12	+18	065			
23	+10	+ 8	+ 4	- 2	+ 2	+ 8	+ 9	+ 8	+ 7	+ 2	- 2	- 2	- 4	- 4	- 3	- 2	- 3	-12	-22	-21	-13	- 7	+ 8	+20	067			
24	+28	+20	+11	+ 8	+ 9	+ 9	+10	+10	+ 8	+ 1	0	0	0	0	- 5	- 2	- 3	-10	-21	-30	-30	-28	- 6	+10	065			
25	+19	+20	+16	+ 3	0	+ 2	+ 9	+ 9	+ 7	+ 4	+ 3	+ 2	0	0	0	- 2	- 2	-11	-21	-30	-30	-18	+ 7	+22	065			
26	+29	+30	+29	+19	+10	+ 9	+ 9	+10	+ 9	+ 8	+ 1	0	- 1	- 2	- 7	- 7	- 8	-10	-22	-40	-37	-27	- 8	+12	065			
27	+26	+26	+19	+10	+ 8	+ 4	+ 8	+ 9	- 1	- 1	- 3	- 2	- 1	- 1	- 1	- 1	- 1	-11	-21	-31	-28	-14	- 2	+17	066			
28	+31	+39	+37	+22	+11	+10	+10	+11	+10	+ 2	+ 1	+ 1	+ 1	+ 1	+ 1	+ 1	0	- 9	-24	-39	-41	-38	-26	- 9	064			
29	+ 8	+17	+17	+ 9	+ 8	+ 7	+ 8	+ 8	+ 7	+ 1	- 2	- 1	- 1	- 1	- 1	- 2	- 2	- 6	-12	-21	-20	-13	-11	+ 6	067			
+ 30	+17	+18	+17	+12	+ 6	+ 6	+ 5	+ 6	+ 3	- 1	- 2	- 3	- 3	- 3	- 3	- 3	- 3	- 5	-13	-23	-23	-13	- 8	+ 5	068			
31	+17	+25	+17	+17	+12	+ 7	+ 7	+ 6	+ 6	+ 3	- 1	- 3	- 3	- 3	- 3	- 3	- 3	- 3	-13	-23	-22	-17	-13	- 8	068			
MEAN.	+15	+19	+18	+14	+10	+10	+10	+ 9	+ 7	+ 3	0	- 2	- 4	- 4	- 5	- 5	- 5	-10	-17	-24	-23	-17	- 5	+ 7	066			

2003/3/42—18267

DECLINATION

(D = 11° + Mean + ...East)

G.M.T. Unit = 0.1 minute of arc February 1944

DAY.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H. M. γ	Minimum. H. M. γ	Range.
1	- 3	- 2	+ 8	+15	+11	+ 9	+ 8	+ 8	+ 7	+ 3	0	+ 1	0	- 1	- 1	- 1	- 3	-11	-15	-19	-12	- 4	+ 4	+10	067			
2	+18	+27	+27	+17	+ 7	+ 6	+ 3	+ 5	- 1	- 2	- 2	- 3	- 3	- 3	- 3	- 4	- 4	-12	-20	-23	-13	- 7	- 3	- 2	069			
+ 3	0	+ 4	+ 8	+ 9	+ 8	+ 8	+ 9	+ 9	+ 7	+ 4	0	- 1	- 1	- 1	- 1	- 2	- 3	-11	-20	-16	-11	- 8	+ 1	+17	067			
4	+18	+15	+13	+11	+ 6	+ 4	+ 5	+ 6	+ 5	+ 3	+ 1	- 6	- 6	- 7	- 8	-14	-14	-20	-26	-21	-11	+ 3	+14	+20	072			
5	+26	+19	+ 8	+ 8	+ 9	+ 9	+ 9	+ 9	+ 8	+ 8	+ 4	0	- 1	- 1	- 3	- 3	- 5	-18	-35	-40	-32	-11	+14	+29	067			
6	+27	+26	+18	+ 7	- 3	+ 1	+ 5	+ 6	+ 4	+ 1	+ 1	- 3	- 3	- 4	- 4	- 4	- 8	-18	-34	-18	-18	- 4	+ 7	+14	070			
7	+14	+17	+18	+15	+12	+15	+16	+15	+13	+ 7	- 2	- 4	- 6	- 9	-11	- 5	-12	-24	-41	-37	-29	-12	+16	+30	070			
8	+35	+30	+20	+14	+ 6	+ 5	+ 8	+ 6	+ 4	0	- 3	- 5	- 5	- 5	- 5	-10	-12	-20	-26	-25	-15	- 6	0	+ 5	071			
9	+10	+12	+15	+15	+11	+ 8	+ 7	+ 5	+ 4	+ 1	- 5	-11	-14	-15	-11	- 5	- 5	-14	-25	-24	-11	+ 5	+16	+31	070			
10	+37	+35	+28	+19	+ 9	+ 7	+ 7	+ 7	+ 1	- 2	- 7	-12	- 7	- 3	- 4	- 5	- 5	-18	-31	-33	-26	-13	- 2	+ 9	069			
11																												
12	+18	+21	+24	+17	+ 8	+ 8	+ 9	+ 8	+ 8	+ 5	0	- 2	- 2	- 3	- 7	- 3	- 5	-12	-25	-33	-31	-14	+ 4	+17	068			
13	+18	+23	+24	+22	+13	+ 5	+ 6	+ 4	+ 2	- 1	- 4	- 4	- 5	- 4	- 1	- 2	+ 3	- 6	-18	-31	-28	-26	- 6	+14	072			
14	+30	+38	+34	+28	+19	+12	+ 4	+ 7	+ 4	- 6	-10	-10	-11	-12	- 7	- 3	- 3	-11	-22	-32	-31	-22	- 6	+14	067			
15	+31	+39	+34	+24	+15	+10	+14	+11	+ 9	+ 4	0	- 6	-10	- 9	- 4	- 2	- 2	-11	-25	-38	-41	-32	-11	+ 8	067			
16	+16	+20	+18	+11	+10	+ 7	+ 7	+ 6	+ 5	+ 1	0	0	0	0	0	0	0	- 1	-10	-20	-24	-24	-20	-13	066			
17	0	+10	+14	+10	+ 7	+ 4	+ 9	+ 9	+ 4	+ 5	+ 3	+ 2	0	- 1	- 1	- 1	- 1	- 2	-11	-22	-26	-13	- 1	+ 7	067			
+ 18	+ 9	+16	+16	+11	+ 6	+ 6	+ 6	+ 6	+ 5	+ 4	+ 1	- 4	- 4	- 3	- 2	- 3	- 3	- 5	-14	-19	-16	-14	- 2	+14	070			
19	+24	+23	+18	+12	+10	+ 8	+ 9	+ 8	+ 7	+ 4	+ 1	- 2	- 2	- 2	- 2	- 2	- 2	-11	-22	-30	-24	-14	- 8	+ 1	068			
20	+ 9	+17	+15	+11	+ 6	+ 7	+ 9	+ 8	+ 8	+ 5	- 1	- 3	- 3	- 3	- 3	- 3	- 3	- 7	-22	-31	-24	-12	+ 7	+18	069			
21	+20	+25	+20	+14	+ 5	+ 3	+ 5	+ 5	+ 1	- 5	-10	- 6	- 5	- 5	- 5	- 4	- 5	- 9	-15	-17	-14	- 5	0	+ 3	071			
22	+13	+14	+ 7	- 1	- 1	+ 5	+ 7	+ 7	+ 5	+ 4	+ 2	+ 1	0	0	+ 2	0	- 1	- 5	-19	-26	-21	-11	+ 5	+17	067			
23	+24	+26	+17	+14	+ 6	+ 6	+ 7	+ 6	+ 5	+ 1	- 3	- 4	- 4	- 4	- 3	- 2	- 2	- 7	-22	-30	-32	-21	- 3	+14	070			
+ 24	+18	+20	+19	+13	+ 7	+ 5	+ 7	+ 7	+ 7	+ 2	0	0	- 1	- 1	- 2	- 2	- 2	- 4	-17	-31	-28	-21	- 5	+ 5	069			
+ 25	+15	+19	+13	+10	+ 4	+ 4	+ 9	+ 9	+ 8	+ 5	+ 3	+ 2	0	0	0	0	0	- 3	-15	-31	-31	-22	- 6	+ 7	067			
26	+ 8	+12	+12	+ 6	+ 3	+ 4	+ 7	+ 7	+ 7	+ 3	- 3	+ 1	- 1	+ 2	+ 1	+ 3	+ 1	- 3	-13	-28	-24	-14	+ 4	+17	069			
+ 27	+23	+30	+25	+15	+ 5	+ 4	+ 9	+ 9	+ 4	+ 3	0	- 2	- 3	- 4	- 4	- 1	- 3	- 5	-23	-32	-35	-25	- 6	+14	072			
28	+26	+27	+24	+15	+14	+ 5	+ 6	+ 7	+ 5	+ 4	- 1	- 4	- 5	- 5	- 4	- 3	- 3	- 5	-15	-30	-32	-24	- 6	+10	071			
29	+16	+16	+15	+12	+ 6	+ 5	+ 7	+ 9	+ 4	0	- 4	- 5	- 6	- 5	- 3	- 5	- 4	- 5	- 7	-16	-15	-10	0	+ 5	072			
30																												
31																												
MEAN.	+18	+21	+18	+13	+ 8	+ 6	+ 8	+ 7	+ 5	+ 2	- 1	- 3	- 4	- 4	- 3	- 3	- 4	-10	-21	-27	-23	-14	0	+12	069			

DECLINATION

(D = 11° + Mean + ...East)

G.M.T. Unit = 0.1 minute of arc March 1944

DAY.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H. M. γ	Minimum. H. M. γ	Range.
+ 1	+11	+17	+13	+ 9	+ 6	+ 5	+ 4	+ 1	+ 2	+ 2	+ 1	0	0	+ 1	+ 3	0	0	- 1	-11	-21	-21	-17	- 8	0	067			
2	+ 6	+ 2	- 2	- 2	- 1	+ 5	+ 8	+ 8	+ 8	+ 6	0	- 1	- 1	+ 3	- 1	- 1	- 1	- 2	-13	-22	-21	- 8	+ 8	+18	068			
+ 3	+13	+13	+13	+13	+12	+12	+11	+ 8	+ 3	+ 3	+ 2	- 2	- 2	- 5	- 6	- 5	- 6	- 7	-17	-30	-27	-17	+ 3	+13	073			
4	+21	+23	+20	+19	+13	+18	+20	+ 7	+ 1	-10	- 9	- 9	-10	-10	- 6	- 3	- 1	-10	-27	-30	-21	-14	+ 1	+20	066			
5	+24	+23	+23	+14	+10	+ 6	+10	+ 4	+ 3	- 1	- 6	- 5	- 7	- 7	- 6	- 2	- 4	- 5	-11	-21	-26	-17	- 7	+ 3	073			
6	+16	+17	+17	+10	+ 7	+10	+11	+ 8	+ 5	- 3	- 9	- 4	- 3	- 3	- 3	- 1	- 3	- 3	-12	-23	-23	-13	- 1	+11	069			
7	+18	+18	+16	+15	+ 7	+ 6	+ 6	+ 6	- 4	- 4	- 5	- 4	- 4	- 7	- 6	- 4	- 4	- 4	-14	-16	-18	-14	- 4	+15	070			
8	+23	+25	+24	+18	+13	+10	+ 7	+ 4	+ 2	0	- 4	- 5	- 5	- 6	- 6	- 5	- 1	- 6	-16	-26	-26	-22	- 7	+13	072			
9	+25	+33	+24	+19	+13	+13	+13	+ 8	+ 3	+ 3	+ 1	- 4	- 7	- 7	- 2	- 6	- 2	- 7	-17	-35	-35	-27	-16	+ 1	073			
10	+16	+19	+19	+15	+ 9	+12	+12	+ 8	+ 1	- 6	- 2	- 2	- 2	- 1	- 1	- 1	- 1	- 9	-21	-29	-22	-12	- 1	+ 9	067			
11	+18	+26	+22	+17	+17	+16	+12	+ 8	+ 7	+ 5	- 3	- 3	- 3	- 3	- 3	- 3	- 3	-11	-23	-33	-32	-22	- 4	+10	069			
12	+15	+21	+15	+15	+ 8	+ 7	+13	+ 8	+ 4	- 4	- 5	- 5	- 5	- 5	- 7	- 5	- 5	- 6	-15	-25	-25	-14	+ 3	+15	071			
13	+25	+28	+25	+18	+10	+ 6	+ 6	+ 5	+ 3	- 3	- 5	- 5	- 6	- 5	- 5	- 5	- 5	- 5	-16	-28	-25	-15	- 5	+ 7	071			
14	+23	+23	+20	+16	+ 6	+ 4	- 1	- 2	- 1	- 2	- 2	- 2	- 2	0	0	0	+ 1	- 2	-12	-22	-22	-20	- 3	+ 8	068			
+ 15	+16	+19	+17	+14	+ 8	+ 8	+ 9	+ 7	+ 6	+ 4	+ 4	+ 2	- 2	- 1	- 1	+ 2	+ 4	- 1	-13	-26	-32	-24	-14	-11	070			
16	- 3	+ 1	+ 6	+ 7	+ 7	+11	+ 9	+ 7	+ 6	+ 4	+ 2	+ 1	- 2	- 3	- 3	+ 1	+ 1	+ 2	- 4	-14	-14	-14	- 4	+ 4	070			
+ 17	+ 6	+ 8	+ 8	+ 6	+ 6	+ 5	+ 5	+ 4	+ 3	+ 1	- 2	- 3	- 3	- 3	0	0	+ 1	- 2	- 9	-17	-16	- 5	+ 4	+ 8	071			
18	+16	+16	+16	+11	+ 9	+ 7	+ 7	+ 6	+ 6	+ 4	+ 4	- 1	- 1	0	+ 1	- 1	+ 2	- 2	- 5	-21	-24	-19	-16	- 5	070			
19	- 4	+ 2	+ 6	+ 4	+12	+14	+12	+ 6	+ 4	+ 2	0	- 4	- 1	- 1	+ 2	+ 2	+ 3	- 1	- 6	-16	-13	- 7	- 4	0	072			
20	+ 4	+12	+11	+ 6	+ 7	+ 9	+ 6	+ 1	- 6	- 6	- 4	+ 1	- 2	- 1	+ 2	+ 1	+ 2	- 5	- 7	-17	-16	- 8	- 1	+ 9	073			
21	+12	+13	+12	+ 5	+ 2	+ 5	+ 8	+ 2	+ 1	+ 1	- 2	- 2	0	+ 1	+ 2	+ 2	+ 2	+ 1	- 5	-16	-19	-18	- 7	+ 4	074			
22	+13	+20	+20	+15	+10	+ 6	0	0	- 2	- 2	- 2	- 5	- 4	- 4	- 2	0	0	- 8	-14	-22	-20	-12	0	+10	076			
23	+13	+20	+20	+13	+12	+10	+10	+ 5	0	0	- 2	- 2	- 4	- 4	- 4	- 3	- 3	- 2	- 8	-17	-20	-19	-10	0	076			
+ 24	+13	+21	+13	+ 3	+ 3	+ 4	+ 5	+ 3	+ 3	+ 3	+ 1	- 1	- 4	- 2	- 1	+ 1	+ 2	+ 1	- 7	-17	-16	-14	- 6	+ 3	073			
25	+13	+13	+ 6	+ 3	+ 3	+ 3	+ 5	+ 4	+ 3	+ 3	+ 1	- 1	0	- 1	+ 1	+ 3	+ 3	+ 3	- 6	-21	-24	-19	- 9	+ 8	073			
26	+26	+27	+25	+15	+ 6	+ 5	+ 5	-13	-13	- 6	-12	- 2	- 5	- 5	- 5	+ 5	+ 4	- 3	-15	-24	-23	-15	- 3	+15	071			
27	+26	+24	+21	+ 7	- 2	+ 6	- 3	- 3	- 1	- 3	-10	- 9	- 9	- 7	- 7	- 3	- 3	- 9	-13	- 9	- 9	+ 1	+ 9	+13	075			
28	+20	+23	+21	+ 12	+12	+10	+11	+ 5	+ 2	- 2	- 4	- 2	- 1	- 5	- 2	+ 1	+ 2	0	- 8	-28	-28	-18	- 9	- 7	074			
29	0	+ 3	+ 3	+ 5	+ 5	+ 1	- 4	- 5	-15	- 6	- 9	- 6	- 4	+ 1	+ 3	+ 5	+ 6	+ 7	+ 4	- 5	- 5	- 4	+ 3	+ 7	071			
30	+ 9	+11	+11	+10	+ 2	+ 1	- 3	0	+ 1	0	- 1	- 1	0	0	+ 1	+ 1	+ 1	+ 1	+ 1	-11	-17	-11	- 7	- 1	075			
31	+ 3	+ 4	+12	+ 4	+ 3	+ 3	+ 3	+ 3	- 4	+ 1	- 2	- 4	- 2	+ 1	+ 2	+ 3	+ 3	+ 1	- 6	-15	-12	- 7	+ 3	+12	073			
MEAN.	+14	+17	+15	+11	+ 8	+ 8	+ 7	+ 4	+ 1	- 1	- 3	- 3	- 3	- 3	- 2	- 1	0	- 3	-11	-21	-21	-14	- 4	+ 7	071			

[200/3/42—18267

DECLINATION

(D = 11° + Mean + ...East)

G.M.T. Unit = 0.1 minute of arc April 1944

DAY.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H. M. γ	Minimum. H. M. γ	Range.
1	+7	0	-1	-1	-1	0	+5	+2	-1	-1	-1	-1	-1	0	0	-1	0	+3	+1	-1	-5	-5	-2	-1	077			
2	+7	+9	+17	+17	+18	+18	+6	-4	-13	-27	-32	-23	-21	+5	+7	-1	+2	+3	-5	-8	-3	-1	+7	+11	069			
3	+9	+10	+11	+12	+2	+6	+9	+2	0	0	0	-1	-1	0	0	+1	+1	+2	0	-10	-14	-14	-11	-4	076			
4	+6	+9	+11	+8	+6	+6	-1	-2	-2	-3	-3	-7	-6	-2	-1	-1	0	0	+1	-5	-10	-6	0	+7	078			
5	+8	+8	+8	+8	+8	+8	+7	+1	-2	-3	-10	-10	-2	-2	-2	+3	+6	+8	+6	-2	-11	-13	-12	-11	078			
6	0	+4	+10	+12	+11	+8	+8	0	-6	-2	-7	-9	-1	-3	0	+1	+3	+3	+2	-2	-9	-10	-4	0	076			
7	-1	+4	+8	+13	+8	+5	+6	+1	-2	-2	-4	-4	-3	-2	-1	+1	+3	+3	-2	-7	-11	-12	-9	-2	078			
8	0	+6	+11	+13	+11	+8	+9	+3	+1	0	0	-2	-1	-8	+2	+3	+3	+5	-4	-12	-20	-20	-10	-9	076			
9	-2	+5	+9	+7	+5	+3	+5	+4	0	0	0	-1	0	0	+1	0	+2	+4	0	-7	-14	-12	-11	-4	077			
10	+3	+3	+9	+11	+6	+5	+5	-4	-9	-9	-7	-3	-4	-1	+1	+1	+2	+2	+2	-6	-8	-3	+1	+2	075			
11	+1	+2	+9	+10	+8	+3	+2	+1	0	0	0	0	-1	0	0	0	0	+5	+6	-2	-12	-18	-12	-5	076			
12	+1	+10	+18	+18	+8	+2	+4	0	-2	-1	-1	-2	-3	-2	-2	-2	-2	-2	-2	-11	-12	-12	-6	-2	078			
13	0	+5	+9	+9	+9	+7	+1	0	-1	-1	-3	-3	-3	-3	-2	-1	-1	0	+1	-3	-10	-9	-5	-3	077			
14																												
15																												
16	+4	+6	+16	+16	+15	+12	+12	+9	+9	+3	-6	-6	-10	-11	-3	+3	+2	0	+1	-8	-16	-16	-14	-8	072			
17	-8	+2	+4	+3	+2	+2	+2	0	-1	-2	-1	-1	-1	+2	+3	+3	+2	+2	+4	+2	-8	-8	-7	-3	074			
18	+2	+3	+3	+3	+2	+2	+1	-1	-1	-1	+1	+2	+2	+3	+3	+3	+3	+3	-5	-7	-9	-7	-2	-5	073			
19	+3	+3	+3	+3	+3	+3	+4	+3	+3	+2	+2	+3	+3	+3	+3	+5	+4	+4	+3	-7	-17	-17	-16	-11	073			
20	-7	-6	+1	+4	+4	+4	+4	+4	+4	+4	-3	+4	+3	+4	+4	+6	+6	+6	+4	-6	-16	-16	-7	-6	072			
21	+2	+7	+14	+14	+7	+5	+6	+4	+2	0	-3	-4	-5	0	+4	+4	+4	+4	+3	-8	-17	-17	-15	-8	072			
22	-2	+11	+16	+14	+6	+5	+5	+5	+3	+1	-2	-3	-3	-3	+2	+3	+4	+4	-4	-12	-16	-15	-10	-5	071			
23	0	+5	+12	+10	+3	+4	+4	+2	+1	+1	+1	+1	0	+1	+2	+2	+2	+2	0	-10	-19	-19	-9	0	074			
24	+2	+2	+8	+10	+4	+10I	+4	+2	-6	-8	-7	-6	0	+1	+4	+4	+4	+5	+2	-6	-10	-17	-7	+2	074			
25	+2	+6I	+8	+6	+1	+2	+2	+1	0	-1	-2	-2	-1	-1	0	0	0	+2	+1	-4I	-10	-10	-8	-2	076			
26	-4	-2	+1	+7	+7	+1	0	-1	0	0	-1	-1	-1	+1	+2	+7	+8	+8	0	-3	-9	-10	-10	-2	077			
27	-2	+5	+7	+7	+6	+6	+3	0	0	-1	-2	-4	-3	+2	+6	+6	+7	+7	+7	-2	-12	-13	-11	-7	079			
28	-2	-2	+6	+6	+5	+2	-1	-2	-3	-2	-2	-2	-2	-1	0	0	+6	+8	+8	+3	-2	-4	-6	-6	078			
29	-4	0	+10	+15	+10	+9	+8	+8	+1	0	-1	-1	0	0	+5	0	+2	+5	+4	-3	-12	-21	-21	-15	077			
30	-9	0	+10	+12	+11	+2	+2	+1	+1	-3	-2	-1	+1	+1	+3	+7	+4	+2	+8	+1	-9	-19	-11	-1	075			
31																												
MEAN.	+1	+4	+9	+10	+7	+5	+4	+1	-1	-2	-3	-3	-2	-1	+1	+1	+2	+3	+4	+2	-5	-11	-12	-8	-3	075		

DECLINATION

(D = 11° + Mean + ...East)

G.M.T. Unit = 0.1 minute of arc May 1944

DAY.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H. M. γ	Minimum. H. M. γ	Range.
1	+ 8	+ 6	+ 9	+11	+ 5	- 1	- 4	- 4	- 9	-11	- 9	- 5	- 9	+ 1	+13	+11	+11	+10	+ 4	- 1	-10	-14	- 9	- 9	075			
2	+ 1	+ 2	+10	+11	+ 4	- 4	- 7	0	0	- 1	- 7	- 9	- 9	- 3	+ 1	+ 3	+10	+10	+ 4	0	- 5	- 8	- 9	0	075			
3	+ 6	+13	+13	+18	+11	+ 6	+ 4	+ 1	+ 1	- 1	- 1	0	- 5	- 4	+ 1	+ 4	+ 4	+ 3	+ 1	- 4	-14	-19	-18	-18	075			
4	-17	-14	- 1	+ 5	+ 6	+ 1	+ 1	+ 1	- 1	- 1	- 2	- 9	- 7	0	+ 3	+ 2	+ 4	+ 3	+11	+ 9	+ 3	+ 1	0	- 1	075			
5	- 9	+ 2	+12	+12	+12	+ 3	+ 7	+ 2	0	0	- 8	- 8	- 9	- 5	+ 1	+ 1	0	+ 3	+12	+ 7	- 3	- 8	- 8	- 8	074			
6	-10	- 9	+ 6	+15	+13	+11	+ 8	+ 1	+ 1	0	- 1	+ 1	+ 2	+ 1	+ 3	+ 6	+ 5	+ 4	+ 6	+ 1	- 9	-18	-19	-19	074			
7	-15	- 4	+ 7	+14	+13	+ 6	+ 6	- 3	0	- 2	- 4	- 4	- 3	- 2	+ 1	+ 4	+ 6	+ 6	+10	+ 6	- 3	- 6	-13	-13	079			
8	- 4	+ 6	+15	+15	+ 6	+ 5	+ 6	+ 4	- 4	- 4	- 4	- 4	+ 1	+ 3	+ 5	+ 5	+ 6	+ 6	+ 6	- 4	-13	-23	-24	-14	079			
9	- 3	+ 5	+10	+15	+ 7	+ 7	+ 5	- 3	- 3	- 3	- 4	- 3	- 3	- 3	- 3	- 2	- 1	+ 5	+ 7	+ 7	- 3	-13	-14	-18	078			
10	-11	- 7	+ 3	+ 9	+ 6	+ 7	+ 3	+ 3	+ 1	0	- 1	- 1	- 1	0	+ 1	+ 1	+ 4	+ 9	+11	+ 8	+ 1	- 7	-11	-17	074			
11	-20	-1	+18	+19	+10	+ 8	+ 4	+ 5	- 1	- 1	- 1	- 1	- 1	- 1	- 1	- 1	+ 6	+ 7	+ 9	- 1	-11	-10	-21	-12	076			
12	- 3	- 2	+ 6	+ 9	+ 6	+ 5	+ 5	+ 3	0	- 2	- 3	- 3	- 2	- 2	- 1	+ 3	+ 6	+ 8	+ 8	- 2	- 4	-12	-12	-12	077			
13	- 9	+ 3	+10	+12	+ 7	+ 7	+ 2	+ 1	- 1	- 1	- 3	- 3	- 3	- 3	+ 1	+ 1	0	+ 2	+ 7	- 2	- 4	-11	-10	- 3	078			
14	+ 1	+ 8	+16	+16	+ 8	+ 5	0	- 3	- 3	- 3	- 3	- 3	- 3	- 3	- 2	- 1	+ 2	+ 4	+ 5	- 2	-10	-13	-14	-14	077			
15	- 8	0	+13	+17	+ 9	+ 6	0	- 1	- 1	- 2	- 3	- 2	- 2	- 2	- 1	- 1	- 2	- 2	+ 5	- 2	- 8	- 2	- 2	0	076			
16	+ 6	+ 6	+ 7	+ 8	+ 7	+ 3	+ 3	+ 2	- 2	- 3	- 3	- 3	- 3	- 2	- 2	- 1	- 1	0	+ 7	0	- 1	- 5	-13	-17	077			
17	-10	- 1	+ 2	+10	+10	+ 9	+ 8	+ 2	+ 1	0	0	0	+ 1	+ 4	+ 8	+ 8	+ 9	+10	+10	+ 7	-10	-20	-30	-29	074			
18	-19	- 3	+ 8	+ 7	+ 6	+ 4	+ 2	+ 1	- 2	- 3	- 3	- 4	- 4	- 1	+ 1	+ 3	+ 5	+ 6	+12	+ 4	- 4	-12	-12	- 4	078			
19	+ 2	+ 9	+13	+ 8	+ 3	+ 3	+ 1	+ 1	- 1	- 2	- 2	- 2	- 1	+ 1	+ 3	+ 3	+ 3	+ 3	+ 3	+ 1	- 7	-10	-16	-11	081			
20	- 3	+ 6	+10	+12	+ 7	+ 6	+ 2	0	- 2	- 3	- 3	- 3	- 3	- 2	- 2	+ 2	+ 2	+ 5	+ 5	- 3	- 8	-13	-13	- 8	077			
21	- 1	+ 9	+14	+13	+ 9	+ 4	+ 1	- 1	- 1	- 1	- 1	- 1	- 1	- 1	0	+ 1	+ 2	+ 7	+ 9	+ 4	- 3	-12	-21	-21	075			
22	-14	- 5	+ 2	+ 8	+ 7	0	- 3	- 3	- 3	- 3	- 3	- 3	- 3	- 3	- 1	+ 2	+ 4	+ 7	+17	+ 7	- 3	- 7	- 8	- 4	076			
23	- 2	- 2	+ 6	+ 8	+ 6	- 1	- 2	- 2	- 2	- 2	- 2	- 2	- 2	0	+ 3	+ 7	+ 8	+ 8	+10	+10	- 1	- 7	-13	-20	075			
24	-16	- 8	0	+ 4	+ 2	+ 2	+ 2	- 8	- 8	- 8	- 7	- 2	0	+ 2	+ 3	+10	+12	+12	+14	+12	+ 2	- 2	- 8	- 8	071			
25	-10	- 3	+ 6	+ 8	+ 8	+ 4	- 1	0	- 1	- 2	- 2	- 2	- 2	0	+ 4	+ 5	+ 5	+ 6	+ 8	+ 5	- 2	-10	-12	- 4	075			
26	+ 3	+ 9	+15	+10	+ 6	+ 7	+ 5	0	- 3	- 3	- 6	- 5	- 4	- 3	- 3	- 1	0	+ 3	+ 7	+ 3	- 3	- 7	-13	-20	076			
27	-14	- 6	+ 4	+13	+ 9	+ 4	+ 4	+ 4	+ 3	- 1	- 4	- 5	- 5	+ 2	0	+ 2	+ 3	+ 4	+10	+ 4	- 2	- 6	-14	-13	069			
28	-10	0	+10	+ 9	+ 1	0	0	- 2	0	- 1	- 1	- 2	- 2	0	0	0	+ 1	+ 6	+12	+10	+ 1	- 7	-10	-11	073			
29	-12	- 4	+ 8	+10	+ 8	+ 4	+ 1	0	- 2	- 2	- 5	- 6	- 5	- 4	- 2	- 2	0	+ 3	+ 6	+ 8	+ 1	- 4	- 4	- 5	075			
30	- 3	- 4	+ 1	+ 7	+ 3	+ 2	+ 2	+ 2	+ 1	+ 1	- 1	- 3	- 3	- 2	+ 1	+ 1	+ 1	+ 2	+12	+11	+ 1	- 9	-17	-12	071			
31	-11	+ 4	+14	+14	+ 9	+ 4	+ 1	+ 1	0	- 3	- 6	- 5	- 6	+ 1	+ 2	+ 4	+ 5	+13	+ 5	+ 5	- 3	- 7	-17	-16	078			
MEAN.	- 7	+ 1	+ 9	+11	+ 7	+ 4	+ 2	0	- 1	- 2	- 3	- 3	- 3	- 1	+ 1	+ 3	+ 4	+ 6	+ 8	+ 4	- 4	-10	-13	-12	076			

200/3/42—18264

DECLINATION

(D = 11° + Mean + ...East)

G.M.T. Unit = 0.1 minute of arc June 1944

DAY.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H. M. γ	Minimum. H. M. γ	Range.
1	- 2	+ 3	+ 8	+ 9	+ 8	+ 6	+ 3	+ 1	- 1	- 2	- 2	- 2	- 2	0	- 1	+ 4	+ 7	+ 6	+10	+ 8	- 2	-12	-16	-20	074			
2	-13	- 1	+ 7	+13	+ 8	+ 5	+ 2	+ 3	- 1	- 3	- 3	- 3	- 3	- 3	+ 2	+ 2	+ 6	+ 7	+ 8	+ 7	- 1	- 4	-15	-21	075			
3	-15	- 4	+ 6	+ 8	+ 6	+ 3	+ 6	+ 5	+ 1	- 3	- 4	- 4	- 4	- 4	- 2	0	+ 4	+ 6	+ 6	+ 7	+ 6	- 1	- 5	-15	076			
4	-21	-11	+ 4	+ 9	+ 7	+ 7	+ 6	+ 2	+ 2	+ 1	- 1	0	0	+ 2	+ 3	+ 4	+ 5	+ 7	+ 7	+ 7	+ 6	- 3	-13	-29	075			
5	-26	-12	+ 6	+12	+ 7	+ 6	+ 6	+ 5	+ 1	+ 1	- 3	- 4	- 4	- 4	- 4	- 2	+ 6	+ 8	+14	+15	+ 6	- 5	-17	-23	076			
6	-23	-10	+ 6	+15	+15	+ 6	+ 5	+ 3	0	- 1	- 2	- 4	- 3	- 3	+ 3	+ 4	+ 5	+ 6	+10	+ 7	+ 3I	- 8	-15	-16	077			
7	-16	- 8	+ 3	+ 7	+ 5	+ 3	+ 3	0	0	- 3	- 5	- 5	- 5	- 4	- 2	+ 2	+ 5	+ 5	+10	+14I	+ 5	- 3	- 6	- 7	076			
8	- 7	- 5	+ 1	+ 7	+ 8	+ 5	+ 4	- 3	- 5	- 5	- 5	- 5	- 4	- 4	- 2	+ 4	+ 5	+ 7	+ 9	+13	+ 3	- 3	-11	-19	076			
9	-22	-12	+ 6	+14	+10	+ 6	+ 4	+ 1	+ 1	- 2	0	- 1	+ 1	+ 4	+ 4	+ 6	+ 7	+ 8	+11	+ 7I	- 4	-14	-22	-18	075			
10	-13	- 5	- 3	0	+ 4	- 2	0	+ 1	- 1	+ 1	- 2	- 2	- 2	+ 1	+ 4	+ 6	+ 6	+ 6	+14	+ 6	- 1	- 5	- 6	- 6	075			
11	0	+ 6	+ 5	+ 4	+ 2	- 2	- 1	- 3	- 3	- 3	- 4	- 4	- 3	- 1	+ 5	+ 6	+ 8	+ 6	+ 7	+12	+ 6	- 4	-13	-16	075			
12	- 8	+12	+16	+ 6	+ 1	0	- 2	- 1	- 4	- 3	- 2	- 3	- 2	0	+ 1	+ 4	+ 5	+ 5	+ 6	+ 1	- 3	- 4	-12	-12	075			
13	- 7	+ 3	+ 5	+ 4	+ 3	0	- 1	- 4	- 3	- 5	- 5	- 5	+ 3	+ 3	+ 4	+ 5	+ 5	+ 5	+10	+ 6	0	- 4	- 5	- 7	076			
14	- 4	+ 7	+11	+ 7	+ 2	+ 1	+ 1	- 2	- 4	- 6	- 7	- 7	- 7	- 7	- 3	0	+ 3	+ 2	+ 4	+ 6	+ 3	0	- 2	- 4	078			
15																												
16	- 9	+ 3	+ 9	+10	+ 6	+ 4	- 3	- 6	- 6	- 6	- 8	- 7	- 6	- 3	+ 1	+ 4	+ 4	+ 7	+ 9	+10	+ 2	- 6	- 7	-12	077			
17	- 4	+ 2	+ 6	+ 5	+ 5	+ 1	+ 1	- 4	- 3	- 3	- 3	- 2	- 3	- 1	+ 3	+ 6	+ 8	+ 8	+14	+ 7	- 2	- 6	-14	-11	075			
18	- 9	- 2	+10	+14	+13	+ 4	+ 3	+ 1	- 2	- 5	- 5	- 7	- 6	+ 2	+ 2	+ 3	+ 4	+ 4	+ 5	+ 3	- 6	- 7	- 7	- 4	078			
19	0	+ 2	+ 4	+ 4	+ 2	+ 1	+ 1	0	- 1	- 6	- 7	- 7	- 4	- 1	+ 1	+ 2	+ 3	+ 6	+10	+ 6	- 2	- 9	- 9	- 6	080			
20	+ 3	+ 4	+ 9	+10	+ 4	+ 2	+ 2	+ 3	- 5	- 5	- 6	- 4	- 2	+ 3	+ 3	+ 4	+ 4	+ 4	+13	+13	+ 1	-14	-25	-29	077			
21	-28	-15	+ 3	+11	+ 4	+ 3	+ 3	- 4	-10	-10	- 7	- 3	- 2	+ 1	+ 3	+ 3	+ 3	+ 8	+13	+13	+11	+ 2	- 7	- 7	078			
22																												
23																												
24	- 7I	- 6	0	+ 3	+ 3	- 1	+ 2	+ 1	0	+ 2	- 4	- 5	- 5	- 3	- 3	+ 1	+ 3	+ 3	+ 8	+ 8	+ 3	- 1	- 6	- 7	078			
25	- 7	+ 2	+ 4	+ 5	+ 3	+ 3	+ 3	+ 3	+ 3	+ 3	+ 2	+ 2	+ 2	+ 2	+ 3	+ 3	+ 3	+ 4	+ 9	+ 5	+ 2	-12	-18	-18	078			
26	-13	- 4	- 1	+ 4	+ 4	- 1	- 2	- 6	- 5	- 2	-11	- 9	- 6	- 1	+ 9	+ 2	+ 9	+17	+17	+17	+ 8	- 1	-11	-11	082			
27	- 8	- 8	+ 2	+11	+11	+ 5	+ 2	0	- 5	- 5	- 8	- 7	- 6	- 3	+ 1	+ 2	+ 2	+ 5	+12	(+12)	+ 2I	(- 6)	- 8	- 8	079			
28	- 8	- 6	+ 2	+ 6	+ 5	+ 4	+ 1	- 1	- 1	- 6	- 5	- 4	- 5	0	+ 2	+ 4	+ 4	+ 4	+10	+10	+ 6	+ 3	- 9	-16	077			
29																												
30	+ 2I	- 2	+ 6	+ 8	+ 6	+ 6	+ 1	- 2	- 3	- 4	- 4	- 6	- 6	- 4	- 3	+ 1	+ 6	+ 6	+ 8	+ 6	+ 5	- 3	- 6	- 9	075			
31																												
MEAN.	-10	- 3	+ 5	+ 8	+ 6	+ 3	+ 2	0	- 2	- 3	- 4	- 4	- 3	- 1	+ 1	+ 3	+ 5	+ 6	+10	+ 9	+ 2	- 5	-11	-13	077			

DECLINATION

(D = 11° + Mean + ...East)

G.M.T. Unit = 0.1 minute of arc July 1944

DAY.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H. M. γ	Minimum. H. M. γ	Range.
1	- 9	+ 3	+ 5	+ 5	+ 4	+ 3	+ 3	+ 1	- 1	- 4	- 6	- 5	- 3	+ 1	+ 3	+ 3	+ 4	+ 5	+11	+ 8	+ 3	- 4	- 8	-11	078			
2	- 9	+ 1	+ 8	+11	+ 6	+ 2	+ 1	- 1	- 4	- 7	- 8	- 7	- 7	- 2	0	+ 1	+ 2	+ 4	+10	+ 8	+ 2	+ 1	- 2	- 9	080			
3	- 7	- 3	+ 4	+12	+ 9	+ 3	+ 3	+ 1	- 4	- 6	- 7	- 5	- 2	+ 2	+ 3	+ 3	+ 5	+ 5	+12	+ 5	+ 3	- 6	- 8	-15	078			
4	- 5	- 2	+ 6	+ 7	+ 6	+ 4	+ 3	+ 3	+ 2	- 2	- 2	- 1	0	+ 2	+ 5	+ 6	+ 7	+ 8	+10	+ 6	- 6	-18	-25	-24	074			
5	-13	+ 3	+ 6	+ 6	+ 2	- 2	+ 3	+ 1	- 2	- 5	- 5	- 6	- 6	- 2	+ 2	+ 3	+ 5	+10	+13	+11	+ 3	- 7	-14	-17	078			
6	- 7	+ 4	+12	+12	+ 4	- 1	+ 1	+ 2	- 1	- 6	- 5	- 4	- 4	- 2	- 3	+ 2	+ 3	+ 3	+ 5	+ 6	- 1	- 6	- 6	-13	077			
7	-10	- 5	0	0	0	- 1	- 3	- 5	- 5	- 5	- 5	- 5	- 5	- 3	+ 3	+ 5	+ 5	+ 5	+14	+14	+ 5	+ 2	- 5	- 6	076			
8	- 9	- 7	+ 3	+ 9	+ 1	0	0	0	0	- 4	- 4	- 4	- 3	- 3	- 1	+ 1	+ 1	+ 4	+11	(+11)	+14I	- 3	- 9	-16	080			
9	-18	-14	- 5	+ 3	+ 3	+ 3	+ 3	+ 2	+ 1	- 4	- 6	- 6	- 5	+ 1	+ 3	+ 4	+ 5	+11	+13	+13	+ 3	- 2	- 7	-13	078			
10	-18	-11	- 4	+ 2	+ 2	+ 2	+ 2	+ 1	0	+ 1	- 3	0	+ 1	+ 2	+ 4	+ 7	+ 9	+10	+14	+13	+ 6	- 5	-18	-27	079			
11	-27	-18	- 8	+ 1	+ 1	0	+ 2	+ 2	+ 2	+ 1	+ 1	0	0	+ 1	+ 2	+ 4	+ 5	+ 5	+13	+12	+ 9	+ 3	0	- 7	079			
12	-11	- 8	- 3	+ 6	+ 2	+ 1	- 3	- 3	- 3	- 3	- 3	- 2	- 1	0	+ 6	+ 7	+ 7	+ 7	+ 8	+ 7	+ 6	- 2	- 4	-13	084			
13	- 8	- 6	+ 2	+ 7	+ 2	+ 3	+ 2	+ 2	+ 2	+ 1	0	0	+ 1	+ 2	+ 2	+ 3	+ 4	+ 8	+12	+12	+ 2	- 8	-17	-18	079			
14	-13	- 7	+ 3	+ 3	+ 2	+ 2	+ 2	+ 3	+ 1	- 7	- 4	- 1	+ 3	+ 3	+ 4	+ 6	+10	+11	+13	+13	- 1	- 7	-16	-19	078			
15	-20	-13	- 4	+ 3	0	- 2	- 2	+ 2	- 1	- 4	- 5	- 5	- 5	0	+ 3	+ 4	+ 5	+ 6	+15	+14	+13	+ 4	- 2	- 5	076			
16	-10	- 1	0	+ 1	- 1	- 1	- 1	- 1	- 2	- 5	- 5	- 6	- 1	0	+ 4	+ 8	+ 9	+10	+10	+10	+ 7	0	- 7	- 7	081			
17	- 3	- 6	- 4	+ 1	- 1	- 1	+ 1	- 1	- 1	- 3	- 6	- 3	- 1	- 1	- 1	+ 5	+ 8	+ 8	+ 9	(+11)	+ 2	- 1	- 9	- 9	082			
18	- 1	+ 1	+ 4	+ 5	- 1	- 2	0	0	- 1	- 2	- 3	- 1	- 1	- 1	- 1	+ 3	+ 4	+ 6	+ 9	+ 9	- 2	- 6	- 5	- 4	082			
19	0	+ 1	+ 1	- 1	- 2	0	0	0	0	0	- 1	- 1	- 1	0	0	+ 6	+ 9	+ 9	+10	+ 9	0	- 9	-11	-10	081			
20	0	+ 2	+ 3	+ 2	+ 2	+ 2	+ 2	+ 2	- 2	- 6	- 6	- 7	- 5	- 7	+ 2	+ 5	+ 6	+ 8	+11	+ 2	0	- 9	- 8	+ 1	079			
21	- 1	+ 2	+ 9	+ 9	+ 8	+ 2	+ 1	0	0	- 1	- 1	- 8	-10	- 8	0	0	+ 1	+ 4	+ 9	+ 9	0	+ 5	-15	-20	081			
22	-14	+ 2	+12	+12	+ 8	+ 2	+ 2	+ 2	+ 1	+ 2	+ 2	+ 1	- 2	+ 1	+ 3	+ 3	+ 4	+ 8	+12	+ 8	- 6	-18	-27	-17	078			
23	-12	- 1	- 7	+ 7	+ 7	+ 3	+ 4	- 1	- 2	- 3	- 3	- 3	- 3	- 3	- 2	+ 2	+ 3	+ 5	+ 7	+11	+ 5	- 3	-13	-23	084			
24	-21	- 7	+ 2	+ 9	+ 9	+ 5	+ 4	+ 3	- 1	- 1	- 1	0	- 1	0	+ 1	+ 7	+ 9	+10	+11	+11	+ 6	-11	-20	-15	082			
25	- 9	- 3	0	+ 1	+ 4	+ 6	+ 1	0	- 1	- 1	- 1	- 1	- 2	- 1	0	+ 2	+ 7	+ 9	+ 9	+ 9	+ 2	- 2	-12	-20	082			
26	-15	+ 7	+19	+13	+ 6	+ 1	0	- 3	- 2	- 4	- 4	- 4	- 4	- 2	+ 1	+ 5	+ 6	+ 6	+ 7	+ 6	- 3	- 9	-14	-20	085			
27																												
28																												
29	+ 3	+ 3	+ 8	+ 8	+ 5	+ 4	+ 3	+ 2	+ 3	- 2	- 2	- 3	- 4	0	+ 2	+ 4	+ 5	+ 5	+15	+ 6	- 4	-15	-24	-27	086			
30	-22	- 4	+14	+16	+ 7	+ 6	+ 5	+ 5	0	0	- 2	- 2	- 1	+ 4	+ 5	+ 6	+ 7	+ 6	+ 7	+ 6	- 4	-14	-23	-14	085			
31	- 6	+ 4	+14	+13	+ 4	+ 4	+ 4	- 1	- 1	- 3	- 3	+ 1	- 1	+ 3	+ 4	+ 6	+ 4	+ 5	+11	+ 4	- 7	-17	-18I	-16	087			
MEAN.	-10	- 3	+ 4	+ 6	+ 3	+ 2	+ 1	+ 1	- 1	- 3	- 3	- 3	- 3	0	+ 2	+ 4	+ 5	+ 7	+11	+ 9	+ 2	- 6	-12	-14	080			

DECLINATION

(D = 11° + Mean + ...East)

G.M.T. Unit = 0.1 minute of arc August 1944

DAY.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H. M. γ	Minimum. H. M. γ	Range.
1	- 7	+ 3	+ 5	+ 3	- 5	- 2	+ 2	+ 1	+ 1	+ 2	- 5	- 7	- 4	0	+ 3	+ 4	+ 3	+ 3	+ 5	+ 7	+ 3	- 6	- 9	- 8	087			
2	- 9	+10	+17	+10	+ 5	- 2	- 2	- 2	- 2	- 2	- 2	- 2	- 2	0	+ 1	0	- 2	0	+ 8	+ 9	- 1	- 9	-12	-12	092			
3																												
4																												
5	- 8	+ 2	+ 4	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 1	- 6	0	+ 1	+ 2	+ 3	+ 4	+11	+12	+20	+16	- 8	-28	-29	-18	078			
6	+ 1	+11	+11	+ 1	+ 2	+ 1	+ 2	+ 1	- 2	- 6	- 1	- 1	+ 1	+ 1	+ 4	+ 9	+11	+11	+10	+ 1	- 9	-17	-19	-19	079			
7	- 9	+ 5	+ 9	+ 3	+ 1	+ 3	+ 4	+ 2	+ 1	+ 1	0	0	0	+ 1	+ 4	+ 6	+ 8	+10	+11	+ 2	-10	-18	-22	-11	080			
8																												
9																												
10	- 4	+10	+17	+11	+ 8	+ 4	0	- 1	- 1	- 4	- 6	- 2	- 2	- 1	0	+ 1	+ 8	+ 9	+ 9	+ 1	-11	-17	-13	-12	081			
11																												
12	- 6	+ 8	+17	+ 6	+ 4	+ 1	+ 2	0	- 5	- 5	- 5	- 5	- 5	- 5	- 3	+ 3	+ 5	+ 3	+ 5	+ 4	- 4	- 8	- 9	- 8	085			
13	+ 1	+ 8	+12	+16	+13	+10	+ 7	+ 3	+ 1	+ 1	+ 1	+ 1	+ 1	+ 2	+ 2	+ 2	+ 3	+ 5	+ 9	- 1	-18	-27	-28	-19	079			
14	-12	0	+13	+11	+ 7	+ 4	+ 4	+ 4	+ 3	+ 2	+ 1	0	+ 1	+ 2	+ 7	+ 9	+ 9	+10	+ 9	- 2	-11	-22	-21	-19	080			
15	- 9	+ 2	+11	+ 6	+ 2	+ 5	+ 4	+ 3	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 4	+ 9	+10	+11	+11	- 2	-14	-22	-25	-19	078			
16	- 9	+ 8	+16	+17	+12	+ 6	+ 6	+ 5	+ 4	+ 1	- 4	- 4	- 4	- 4	- 3	+ 4	+ 6	+ 9	+ 9	- 4	-13	-19	-16	-17	084			
17	-12	+ 4	+13	+ 4	+ 4	+ 3	+ 3	+ 3	+ 1	+ 4	+ 4	+ 3	+ 2	+ 1	+ 4	+ 4	+ 4	+ 4	+ 4	- 1	- 8	-16	-19	-16	086			
18	- 5	+ 5	+14	+14	+13	+ 6	+ 4	+ 4	- 5	- 6	- 6	- 6	- 1	+ 3	+ 4	+ 6	+ 5	+10	+14	+ 4	- 6	-21	-26	-16	086			
19	-10	+ 2	+14	+18	+13	+ 5	+ 5	+ 5	- 1	- 4	- 5	- 5	- 5	0	+ 4	+ 5	+ 5	+ 5	+ 9	+ 2	-12	-19	-22	-15	085			
20	- 4	+ 8	+16	+15	+10	+ 5	+ 5	+ 4	- 1	- 2	- 4	- 2	- 4	- 2	+ 4	+ 4	+ 6	+ 6	+ 9	+ 5	- 8	-20	-25	-24	084			
21	-15	- 6	+ 1	+ 8	+ 9	+ 6	+ 4	+ 2	0	- 1	- 2	- 2	- 2	0	+ 4	+ 5	+ 6	+ 7	+12	+ 4	- 5	-13	-14	-16	084			
22	-17	- 6	+ 4	+10	+11	+ 4	+ 5	+ 4	+ 2	- 3	- 5	- 6	- 6	- 6	- 5	+ 3	+ 4	+ 5	+ 7	+ 5	- 3	- 5	+ 2	- 1	085			
23	+ 1	+ 5	+ 7	+ 6	+ 4	+ 4	+ 5	+ 5	+ 1	- 2	- 4	- 5	- 4	- 4	- 3	0	+ 4	+ 6	+ 6	+ 4	- 4	-14	-15	- 6	084			
24	- 5	0	+11	+13	+ 7	+ 5	+ 5	+ 3	- 2	- 5	- 9	- 7	- 6	- 3	+ 4	+ 8	+ 8	+ 7	+ 7	- 1	- 7	-13	-13	- 9	085			
25	- 6	+ 3	+14	+15	+11	+ 4	+ 4	+ 1	0	- 2	- 1	- 3	- 3	0	+ 3	+ 4	+ 7	+ 6	+10	+ 2	- 8	-16	-24	-26	086			
26	-17	- 4	+ 3	+ 7	+ 4	+ 3	+ 3	+ 3	+ 1	+ 1	+ 1	+ 1	+ 2	+ 3	+ 4	+ 7	+11	+11	+11	- 3	- 9	-17	-17	-14	087			
27	- 5	- 3	+ 5	+15	+11	+ 6	+ 4	+ 2	- 1	0	+ 1	+ 4	+ 4	+ 4	+ 5	+ 5	+ 5	+ 7	+10	+ 5	- 5	-19	-24	-24	085			
28																												
29	-14	- 2	+ 7	+ 8	+ 7	+ 5	+ 5	+ 4	0	- 1	- 2	- 1	0	+ 6	+ 6	+ 7	+ 7	+ 7	+ 7	- 3	-12	-18	-20	-13	083			
30	0	+ 6	+ 1	+14	+ 7	+ 4	+ 4	+ 2	+ 1	- 2	- 4	- 4	- 4	- 4	- 3	- 3	+ 1	+ 4	+ 4	+ 1	- 4	- 9	-12	-11	084			
31	- 6	0	+ 7	+ 7	+ 6	+ 6	+ 6	- 1	- 3	- 3	- 3	- 4	- 3	- 2	+ 4	+ 5	+ 7	+ 7	+ 7	+ 1	(- 4)	-11I	-13I	-15	083			
MEAN.	- 7	+ 3	+10	+10	+ 7	+ 4	+ 4	+ 2	0	- 1	- 3	- 2	- 2	0	+ 2	+ 4	+ 6	+ 7	+ 9	+ 2	- 8	-16	-18	-15	084			

DECLINATION

(D = 11° + Mean + ...East)

G.M.T. Unit = 0.1 minute of arc September 1944

DAY.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H. M. γ	Minimum. H. M. γ	Range.
1																												
2	-10	- 9	- 1	+ 7	+ 9	+ 1	+ 1	0	0	- 1	- 1	-10	-11	- 5	0	+ 9	+10	+11	+17	+10	+ 7	- 1	-10	-11	082			
3	- 8	- 1	0	+ 8	+ 8	+ 7	+ 4	- 1	- 1	- 1	- 1	- 1	- 1	0	+ 4	+ 8	+ 8	+ 8	+ 9	- 1	- 6	-11	-12	-10	082			
4	- 3	+ 6	+ 9	+ 8	+ 8	+ 6	+ 6	0	0	- 1	- 2	- 1	- 2	- 1	+ 1	+ 6	+ 7	+ 8	+ 6	- 7	-14	-21	-12	- 2	083			
5	+11	+14	+14	+12	+11	+ 3	+ 9	+ 8	+ 3	+ 2	+ 1	+ 1	+ 1	+ 1	+ 2	+ 6	+ 8	+ 9	+ 1	-18	-28	-29	-29	-23	080			
6																												
7	+ 1	+ 8	+10	+11	+ 9	+ 1	+ 1	0	- 1	- 7	- 6	- 3	- 1	- 1	+ 2	+ 6	+ 8	+ 9	+ 9	- 1	-11	-14	-12	-10	082			
8	- 5	+ 3	+ 9	+ 9	+ 6	- 1	- 2	- 1	- 2	- 9	- 7	-11	- 9	- 4	- 2	+ 5	+ 6	+ 7	+ 8	- 2	- 2	- 1	0	+ 4	083			
9	+ 9	+11	+11	+ 9	+ 2	+ 1	0	0	- 1	- 1	0	- 1	- 1	0	0	+ 1	+ 2	+ 6	+ 2	- 8	-10	-12	-11	- 8	081			
10	- 1	+ 9	+ 9	+ 9	+ 5	+ 2	+ 7	- 1	- 1	- 1	- 2	- 2	- 1	+ 1	+ 6	+ 7	+ 9	+ 9	+ 4	- 7	-12	-15	-17	-13	082			
11	0	+15	+17	+13	+ 9	+ 2	+ 1	- 2	- 2	- 2	- 2	- 2	- 2	+ 1	+ 2	+ 7	+ 7	+ 8	+ 8	- 4	-13	-22	-25	-25	084			
12	-14	+ 6	+18	+15	+ 8	+ 5	- 1	- 4	- 5	- 7	- 6	- 7	- 5	- 4	- 3	+ 1	+ 2	+ 4	+ 6	+ 1	- 4	- 4	- 8	- 4	086			
13	+ 8	+10	+12	+13	+ 7	+ 4	+ 7	+ 4	+ 5	0	- 1	- 2	- 2	- 2	0	+ 6	+ 6	+ 8	+ 4	- 9	-17	-22	-22	-12	084			
14	+ 2	+14	+18	+15	+ 9	+ 8	+ 4	- 1	- 1	- 1	- 1	- 1	- 1	- 1	+ 1	+ 4	+ 5	+ 7	+ 5	-11	-15	-21	-21	-15	083			
15	- 2	+ 6	+ 8	+ 8	+ 8	+ 8	+ 7	+ 6	+ 1	0	- 2	- 1	0	- 1	+ 1	+ 1	+ 1	+ 2	+ 2	- 5	-10	-12	-12	- 7	082			
16	+ 3	+10	+11	+10	+ 6	+ 8	+ 8	+ 4	+ 5	+ 2	+ 1	+ 1	+ 1	+ 1	+ 1	+ 1	+ 3	+ 3	+ 1	-11	-18	-21	-19	-10	081			
17	- 2	0	+ 7	+ 9	+ 9	+ 9	+ 9	+ 4	+ 4	+ 1	0	0	0	0	0	+ 5	+ 5	+ 5	0	-10	-11	-13	-11	-10	082			
18	+ 3	+12	+13	+ 9	+ 8	+ 4	+ 2	- 2	- 2	- 4	- 3	- 2	- 2	- 3	+ 1	+ 1	+ 2	+ 7	- 2	-12	-13	-12	-10	- 6	084			
19	- 1	+ 7	+ 6	+ 1	+ 3	+ 3	0	+ 1	- 1	- 3	- 3	- 3	- 3	- 1	+ 1	+ 3	+ 4	+ 6	- 1	- 6	-11	- 7	- 3	+ 2	086			
20	+ 8	+ 8	+ 6	+ 7	+ 8	+ 7	+ 8	+ 4	+ 2	+ 1	- 2	0	- 2	0	+ 2	+ 6	+ 6	+ 6	0	-11	-18	-22	-16	-12	085			
21	- 4	+ 9	+15	+ 8	+ 6	+ 6	+ 4	- 4	- 3	- 5	- 9	- 5	- 3	- 1	+ 1	+ 4	+ 6	+ 3	- 3	- 9	-10	- 4	+ 1	+ 6	087			
22	+10	+13	+13	+ 5	+ 2	+ 3	+ 2	+ 3	+ 2	- 3	- 4	- 5	- 5	- 2	+ 2	+ 2	+ 3	+ 3	- 2	- 9	-15	-14	- 9	- 4	090			
23	+ 4	+ 7	+10	+14	+ 7	+ 7	+ 4	+ 2	- 1	- 2	- 4	- 4	- 3	- 2	0	+ 6	+ 3	+ 5	+ 2	-13	-14	-15	-13	- 7	086			
24																												
25	+ 6	+14	+16	+16	+ 6	+ 6	+ 5	+ 2	+ 2	0	0	- 1	+ 3	+ 5	+ 6	+ 6	+ 5	- 3	-10	-15	-21	-23	-21	-12	087			
26	+ 4	+ 8	+14	+15	+ 8	+ 6	+ 6	+ 6	+ 2	0	+ 2	+ 3	+ 2	+ 4	+ 7	+ 7	+ 6	+ 1	- 5	-20	-22	-21	-22	-14	087			
27	+ 1	+16	+11	+ 9	+ 7	+ 7	+ 4	- 1	- 1	+ 1	+ 1	+ 1	+ 4	+ 2	+ 4	+ 1	+ 2	+ 1	- 3	-11	-19	-20	-11	- 1	085			
28	+ 9	+11	+ 9	+ 3	+ 1	+ 7	+ 7	+ 5	- 1	- 1	+ 1	+ 1	+ 1	+ 1	+ 2	+ 3	+ 4	+ 4	- 1	-11	-14	-14	-14	- 6	085			
29	+ 5	+11	+11	+11	+ 8	+ 5	+ 2	+ 3	+ 2	0	- 4	- 1	+ 1	+ 1	+ 2	+ 7	+ 8	+ 3	- 3	-12	-17	-18	-13	- 6	083			
30	- 1	+ 8	+10	+ 9	+ 8	+ 8	+ 9	+ 8	+ 2	- 2	- 3	- 3	- 3	- 3	- 3	+ 4	+ 6	+ 7	- 6	-11	-13	-20	-12	- 1	087			
31																												
MEAN.	+ 1	+ 8	+11	+10	+ 7	+ 5	+ 4	+ 2	0	- 2	- 2	- 2	- 2	0	+ 2	+ 5	+ 5	+ 5	+ 1	- 8	-13	-15	-13	- 8	084			

200/1/41—14357]

DECLINATION

(D = 11° + Mean + ...East)

G.M.T. Unit = 0.1 minute of arc October 1944

DAY.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H. M. γ	Minimum. H. M. γ	Range.
1	+ 6	+ 8	+ 8	+ 5	+ 6	+ 8	+ 8	+ 8	+ 4	- 1	- 2	- 2	- 2	- 2	- 1	+ 4	+ 6	+ 8	- 2	-12	-20	-22	-11	+ 6	086			
2	+20	+24	+20	+19	+10	+10	+ 8	+ 8	+ 2	+ 2	0	0	0	0	0	+ 3	+ 8	+ 8	- 1	-20	-28	-36	-32	-28	084			
3	- 9	+11	+20	+12	+ 5	+ 1	+ 8	+ 2	0	+ 1	+ 1	+ 1	+ 1	+ 1	+ 1	+ 5	+ 5	+ 1	-11	-19	-22	-20	- 9	+ 7	083			
4	+21	+23	+13	+ 3	+ 3	+ 6	+ 4	+ 5	+ 4	+ 3	+ 3	+ 3	+ 3	+ 3	+ 3	+ 4	+ 3	+ 2	- 9	-24	-27	-27	-17	+ 4	081			
5	+11	+21	+24	+19	+11	+ 5	+ 8	+ 6	+ 4	+ 3	+ 1	+ 1	+ 1	+ 1	+ 1	+ 1	+ 1	- 1	- 9	-24	-28	-29	-24	-15	084			
6	0	+ 9	+12	+11	+ 7	+ 8	+ 9	+ 8	+ 5	+ 2	+ 1	+ 1	+ 1	+ 2	+ 3	+ 4	+ 3	+ 1	- 7	-13	-21	-28	-19	- 3	084			
7	+10	+19	+20	+18	+11	+10	+ 6	0	+ 1	0	0	0	0	0	0	+ 1	+ 2	0	-10	-20	-22	-22	-13	(- 7	085			
8																												
9																												
10	+ 7	+10	+10	+ 9	+ 8	+ 7	+ 7	+ 2	0	- 1	- 1	- 1	- 1	- 1	0	+ 1	0	- 1	-11	-21	-22	-21	- 6	+14	086			
11	+18	+28	+30	+20	+10	+ 8	+ 8	+ 4	0	- 3	- 5	- 7	- 4	- 2	0	+ 3	+10	+ 8	-10	-26	-30	-26	-20	-10	095			
12	+ 5	+12	+13	+11	+ 8	+ 3	+ 2	+ 1	+ 1	0	- 1	0	0	+ 1	+ 1	+ 1	+ 1	- 3	-16	-21	-20	-13	- 1	+ 9	094			
13	+16	+20	+14	+ 7	+ 3	+ 4	+ 4	+ 4	+ 4	+ 3	+ 3	+ 3	+ 3	+ 4	+ 4	+ 8	+ 3	- 7	-17	-26	-26	-22	- 9	+ 4	092			
14	+17	+21	+17	+13	+ 7	+ 7	+ 7	+ 7	+ 4	0	- 3	- 3	+ 1	0	0	- 1	- 3	- 7	-17	-26	-30	-23	- 4	+15	089			
15	+24	+26	+24	+24	+14	+14	+10	+ 6	+ 4	- 6	- 8	- 7	- 6	- 2	- 1	+ 2	+ 2	- 6	-16	(-18)	-28	-26	-16	- 1	092			
16	+11	+18	+20	+15	+13	+10	+ 3	+ 2	+ 1	- 3	- 7	- 5	- 3	+ 1	+ 2	+ 3	+ 3	- 6	-15	-24	-26	-18	- 8	+ 3	093			
17	+15	+19	+15	+14	+ 6	+ 8	+10	+ 5	+ 5	+ 2	0	- 1	- 4	+ 1	+ 4	+ 4	+ 4	- 5	-15	-25	-31	-26	-15	+ 1	091			
18	+ 8	+ 6	+ 5	+ 4	+ 4	+ 4	+ 4	+ 2	+ 3	+ 3	0	- 2	+ 2	+ 2	+ 3	+ 2	0	- 6	-16	-24	-25	-12	+ 5	+17	092			
19	+32	+32	+27	+14	+ 4	+ 4	+ 4	+ 3	+ 3	+ 3	- 5	- 1	+ 1	+ 1	+ 1	+ 1	+ 1	- 5	-15	-27	-37	-32	-17	+ 1	+17	093			
20	+30	+31	+21	+11	+ 1	+ 1	+ 6	+ 3	+ 2	+ 1	0	- 1	0	+ 1	+ 1	+ 1	+ 2	- 8	-21	-35	-39	-28	- 6	+20	095			
21	+30	+31	+25	+16	+ 9	+10	+ 9	+ 6	0	- 4	- 2	- 2	- 1	0	0	0	+ 1	- 1	-15	-31	-40	-34	-18	0	097			
22																												
23																												
24	+ 9	+18	+17	+ 9	+ 9	+ 8	+ 5	+ 7	+ 3	+ 3	- 1	- 2	- 2	0	+ 3	+ 7	+ 5	- 6	-14	-25	-24	-21	-11	+ 2	098			
25	+17	+25	+26	+18	+14	+ 7	+ 6	+ 5	+ 4	+ 4	+ 4	+ 4	+ 4	+ 4	+ 4	+ 4	+ 4	-11	-26	(-44)	-46	-34	- 6	+15	093			
26	+21	+21	+21	+15	+12	+ 8	+ 1	+ 1	+ 1	0	- 2	- 3	+ 1	+ 1	+ 1	+ 1	+ 1	- 8	-19	-29	-29	-20	- 4	+ 9	096			
27	+19	+25	+24	+14	+ 5	+ 5	+ 5	+ 5	+ 4	+ 4	+ 3	+ 3	+ 4	+ 4	+ 4	+ 4	+ 3	- 5	-20	-33	-36	-26	-13	+ 4	093			
28	+ 7	+ 7	+ 7	+ 4	+ 1	+ 5	+ 7	+ 7	+ 7	+ 7	+ 3	- 1	0	+ 6	+ 7	+ 6	0	-11	-23	-33	-23	-11	+ 8	+22	090			
29	+25	+23	+16	+13	+ 6	+11	+ 6	+ 4	+ 3	+ 2	+ 2	+ 1	0	- 1	- 2	- 3	- 4	-14	-18	-19	-26	-18	- 6	+ 3	094			
30	+12	+ 8	+ 6	+ 3	+ 3	+ 5	+ 3	+ 1	0	- 3	- 4	0	0	+ 1	+ 1	+ 2	- 4	-15	-21	-26	-18	+ 1	+15	+25	094			
31	+31	+31	+25	+15	+12	+10	+ 2	+ 2	- 1	- 6	- 1	0	- 6	- 2	+ 1	- 1	- 6	-18	-28	-37	-28	- 9	+ 8	+16	095			
MEAN.	+15	+20	+18	+12	+ 8	+ 7	+ 6	+ 4	+ 3	0	- 1	- 1	0	+ 1	+ 2	+ 3	+ 2	- 5	-15	-26	-28	-22	- 9	+ 6	091			

200/1/41—14357]

DECLINATION

(D = 11° + Mean + ...East)

G.M.T. Unit = 0.1 minute of arc

November 1944.

DAY.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H. M. γ	Minimum. H. M. γ	Range.
1	+21	+20	+16	+12	+ 3	+ 7	+ 8	+ 8	+ 3	+ 3	+ 1	+ 1	- 1	0	+ 2	+ 1	- 3	- 10	-25	-34	-31	-17	+ 2	+21	095			
2	+23	+24	+18	+ 6	+ 1	+ 3	+ 5	+ 3	+ 3	+ 2	+ 1	- 2	- 4	-4	- 3	- 3	- 4	- 15	-27	-37	-30	-15	+13	+33	095			
3	+36	+34	+26	+16	+11	+ 4	+ 4	+ 4	+ 3	+ 2	- 1	- 4	- 6	-6	- 6	- 6	- 6	- 16	-22	-26	-26	-16	- 6	+ 5	094			
4	+19	+27	+22	+18	+12	+14	+13	+ 8	+ 6	- 1	- 2	- 2	- 3	-2	- 2	- 1	- 1	- 12	-23	-32	-31	-22	-12	- 2	090			
5	+ 7	+16	+26	+21	+12	+11	+10	+ 6	+ 5	0	- 3	- 3	- 1	-4	- 4	- 4	- 5	- 15	-24	-23	-22	-14	- 4	+ 6	092			
6	+16	+16	+17	+17	+16	+10	+ 8	+ 6	- 1	0	- 2	- 3	- 4	-4	- 4	- 3	- 4	- 14	-24	-24	-24	-14	+ 5	+ 9	092			
7	+12	+ 7	+ 4	+ 3	+ 3	+ 7	+ 5	+ 5	+ 3	+ 3	+ 3	0	- 4	-4	0	+ 1	+ 2	- 3	-15	-18	-17	- 6	+ 5	+ 6	095			
8	+ 9	+ 6	+ 6	+ 9	+ 9	+11	+13	+ 9	+ 6	+ 3	- 3	- 4	- 2	-1	+ 2	+ 2	- 2	- 11	-15	-23	-22	-13	0	+16	092			
9	+23	+15	+11	+ 4	+ 4	+ 5	+10	+ 5	+ 2	- 4	- 1	- 3	- 3	-3	0	0	- 4	- 15	-19	-24	-15	- 3	+ 7	+14	094			
10	+12	+ 3	+ 2	+ 3	+ 5	+11	+12	+12	+ 9	+ 3	+ 2	0	+ 1	-6	- 6	- 4	- 1	- 8	-14	-21	-20	-14	+ 2	+ 6	096			
11	+ 9	+ 8	+ 6	+ 5	+ 4	+ 7	+ 8	+ 7	+ 7	+ 5	+ 4	+ 3	+ 3	-1	- 1	- 1	- 2	- 9	-20	-24	-23	-11	+ 7	+10	091			
12	+ 7	+ 8	+ 9	+ 8	+ 7	+10	+11	+ 6	+ 6	+ 5	+ 3	- 1	- 1	+1	- 1	+ 2	- 1	- 10	-18	-26	-24	-14	- 1	+ 8	092			
13	+ 8	+ 7	+ 7	+ 7	+ 7	+ 8	+10	+ 8	+ 7	+ 6	+ 2	+ 1	+ 5	+2	+ 3	- 1	- 2	- 13	-23	-25	-22	-11	+ 4	+16	091			
14	+16	+16	+15	+ 6	+ 5	+ 6	+11	+ 5	+ 4	0	- 2	- 4	- 5	-5	- 5	- 5	- 5	- 12	-17	-20	-15	- 5	+ 5	+15	093			
15	+17	+15	+15	+14	+13	+12	+11	+ 5	+ 4	+ 4	+ 1	- 3	- 3	-4	- 4	- 4	- 5	- 15	-25	-26	-24	-15	+ 4	+16	093			
16	+26	+21	+18	+ 8	+ 2	+ 8	+ 9	+ 8	+ 6	+ 3	- 1	- 2	- 2	-2	- 2	- 2	- 3	- 12	-24	-32	-26	-12	- 2	+ 9	090			
17	+17	+19	+17	+ 8	+ 7	+ 7	+ 7	+ 5	+ 1	- 1	- 3	- 3	- 3	-2	- 1	0	- 2	- 12	-20	-23	-24	-14	+ 7	+19	091			
18	+23	+22	+17	+15	+14	+13	+13	+10	+ 3	0	- 1	- 3	- 5	-6	- 4	- 1	- 1	- 7	-19	-29	-30	-25	- 8	+13	095			
19	+19	+21	+20	+19	+17	+10	+ 9	- 1	- 2	- 5	- 3	- 3	- 2	-2	- 1	- 1	+ 1	- 1	-12	-22	-29	-21	- 8	+ 9	099			
20	+31	+32	+31	+23	+22	+13	+13	+ 3	+ 1	- 3	- 8	- 7	- 9	-17	-14	-11	- 7	+ 3	- 7	-17	-27	-23	-12	0	095			
21																												
22	+ 6	+15	+15	+15	+13	+13	+ 6	+ 6	+ 5	+ 5	+ 1	- 1	- 2	-3	+ 1	+ 3	+ 5	+ 1	-13	-28	-35	-25	-15	+ 4	093			
23	+16	+17	+16	+16	+12	+ 9	+ 6	+ 6	+ 2	- 3	- 4	- 4	- 2	-2	0	- 1	0	- 4	-12	-24	-24	-19	- 4	+ 6	092			
24	+17	+19	+17	+17	+18	+15	+ 7	+ 7	+ 6	- 1	- 1	- 3	- 3	-1	- 2	0	- 1	- 4	-18	-33	-33	-25	- 7	+ 4	091			
25	+ 8	+14	+15	+15	+14	+10	+ 8	+ 6	+ 5	+ 5	+ 4	+ 1	- 2	-2	- 3	- 3	- 4	- 12	-20	-23	-25	-17	- 1	+15	093			
26	+22	+24	+22	+17	+12	+10	+ 2	+ 2	+ 2	+ 1	0	- 4	- 6	-5	- 7	- 7	- 8	- 17	-28	-28	-23	- 8	+ 2	+19	096			
27	+26	+20	+10	+10	+ 9	+ 9	+ 8	+ 7	+ 4	+ 2	0	0	- 1	-2	0	- 1	- 5	- 12	-21	-30	-30	-18	- 1	+12	098			
28	+25	+29	+23	+16	+14	+13	+ 9	+ 4	+ 6	+ 4	+ 2	+ 2	+ 3	+4	+ 3	+ 3	+ 3	+ 11	-26	-40	-40	-28	-14	+ 6	094			
29	+16	+18	+13	+ 5	+ 1	+ 3	+ 3	+ 3	+ 2	+ 2	+ 2	+ 3	+ 3	+3	+ 3	+ 4	+ 3	- 7	-19	-31	-27	-17	0	+13	095			
30	+23	+23	+21	+15	+13	+12	+11	+ 8	+ 6	+ 3	+ 2	+ 1	- 3	-2	- 1	+ 2	0	- 7	-24	-32	-35	-27	- 7	+ 3	095			
31	+19	+29	+29	+20	+11	+10	+ 8	+ 2	0	0	- 3	- 5	- 8	-8	- 2	- 1	0	- 9	-19	-28	-28	-19	- 6	+13	096			
MEAN.	+18	+18	+16	+12	+10	+ 9	+ 9	+ 6	+ 4	+ 1	0	- 2	- 2	-3	- 2	- 1	- 2	- 10	-20	-27	-26	-16	- 2	+11	094			

200/1/41—14357)

DECLINATION
(D = 11° + Mean + ...East)

Unit = 0.1 minute of arc

December 1944.

G.M.T.

DAY.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H. M. γ	Minimum. H. M. γ	Range.
1	+32	+35	+32	+22	+15	+12	+13	+ 7	+ 2	+ 2	+ 2	+ 1	- 8	- 7	- 2	+ 1	- 1	- 8	-25	-41	-39	-29	- 9	+ 4	097			
2	+19	+23	+14	+14	+12	+12	+14	+12	+ 3	- 6	-10	- 7	- 6	- 6	- 6	- 6	- 7	-18	-28	-29	-23	- 7	+10	+23	095			
3	+20	+28	+28	+21	+18	+12	+ 8	+ 8	+ 1	- 2	- 4	-10	- 8	- 7	- 7	-10	- 9	-12	-22	-30	-22	- 6	+ 6	+ 8	101			
4	+14	+17	+13	+13	+13	+13	+14	+13	+ 5	+ 3	+ 3	- 1	0	- 5	- 6	- 6	- 4	- 7	-17	-26	-25	-17	- 7	+ 4	096			
5	+17	+17	+17	+ 9	+ 8	+17	+17	+13	+ 7	+ 3	- 3	- 3	- 5	- 7	- 7	- 6	- 3	-11	-13	-26	-23	-20	- 3	+10	092			
6	+16	+15	+12	+ 9	+ 9	+15	+15	+12	+ 5	- 4	- 5	- 5	- 5	- 5	- 5	- 7	- 7	-14	-19	-23	-18	-13	+ 3	+16	094			
7	+22	+19	+14	+ 9	+ 6	+ 9	+ 9	+ 7	+ 4	0	- 1	- 1	- 1	- 1	- 1	- 1	- 1	- 6 I	-21	-37	-34	-20	+ 7	+19	090			
8	+23	+24	+21	+13	+ 6	+ 3	+ 3	+ 3	+ 3	+ 2	- 4	- 5	- 7	- 7	- 7	- 7	- 7	- 8	-20	-27	-21	- 9	+ 3	+15	096			
9	+25	+25	+23	+16	+11	+12	+13	+11	+ 7	+ 3	+ 2	- 6	- 6	- 7	- 7	- 5	- 7	-17	-29	-37	-28	-16	0	+ 8	096			
10	+18	+24	+24	+19	+14	+ 8	+ 7	+ 7	+ 4	+ 4	+ 4	+ 2	- 2	- 4	- 4	- 3	- 1	- 6	-16	-36	-37	-27	- 9	+ 8	095			
11	+17	+18	+15	+ 8	+ 7	+ 8	+ 8	+ 5	0	- 2	- 3	- 4	- 3	- 8	- 8	- 5	- 8	-10	-19	-32	-22	- 2	+15	+21	101			
12	+32	+24	+22	+13	+12	+12	+12	+12	+12	+ 5	+ 2	0	- 1	- 2	- 2	- 2	- 3	-11	-28	-38	-40	-28	- 5	+13	097			
13	+23	+24	+24	+22	+16	+13	+13	+10	+ 5	+ 3	- 7	- 7	- 9	- 9	-16	- 8	- 6	- 8	-17	-29	-27	-17	- 2	+13	096			
14	+23	+28	+33	+23	+12	+ 3	+ 3	+ 3	+ 2	- 1	- 5	- 5	- 6	- 7	- 7	- 7	- 7	-16	-25	-27	-27	15	+ 4	+17	096			
15	+23	+18	+16	+ 6	0	+ 4	+ 6	+ 6	+ 5	0	- 3	- 4	- 3	- 3	- 4	- 4	- 2	- 4	-16	-34	-28	-14	+ 6	+25	093			
16	+44	+46	+38	+30	+23	+24	+24	+25	+13	+ 8	- 8	-33	-43	-60	-60	-21	- 2	- 2	-15	-24	-22	-12	+ 5	+20	091			
17	+27	+18	+ 9	+ 5	+ 7	+17	+17	+ 7	- 1	- 2	- 1	- 9	- 3	- 3	- 1	+ 7	- 1	- 9	-25	-23	-23	-13	- 5	+ 8	092			
18	+11	+20	+22	+21	+20	+11	+11	+11	+10	+ 3	+ 1	- 4	- 7	- 8	- 5	- 5	- 5	-10	-19	-21	-19	-19	-19	- 9	098			
19	+ 7	+15	+17	+18	+14	+ 8	+12	+10	+ 7	+ 5	+ 5	+ 4	- 2	+ 2	+ 4	+ 5	+ 2	-13	-25	-33	-34	-22	- 6	+ 6	094			
20	+12	+21	+22	+22	+15	+ 9	+ 3	+ 3	+ 2	+ 2	+ 2	- 2	+ 2	+ 2	+ 3	+ 2	+ 2	-14	-26	-28	-28	-21	- 8	+ 8	097			
21	+12	+12	+12	+12	+11	+ 9	+11	+11	+ 7	+ 3	0	+ 1	+ 1	+ 1	0	- 1	- 2	- 9	-19	-20	-19	-15	- 9	+ 1	098			
22	+ 4	+ 8	+ 9	+ 3	+ 2	+ 1	+ 7	+ 8	+ 8	+ 1	0	0	- 2	- 2	- 1	0	- 1	- 8	-16	-20	-18	-10	+ 4	+12	099			
23	+19	+29	+30	+25 I	+21	(+10)	+ 9	+ 9	+ 7	+ 2	0	- 1	- 7	- 4	- 8	- 8	- 9	-20	-29	-31	-22	-18	(-10)	0 I	099			
24																												
25	+22	+20	+12	+11	+ 4	+ 2	+ 3	+ 3	+ 2	+ 2	+ 2	+ 1	+ 1	0	- 5	- 6	- 8	-14	-17	-18	-18	-16	0	+12	097			
26	+14	+ 8	+ 3	+ 2	+ 3	+ 4	+ 4	+ 6	+ 4	+ 4	+ 4	+ 4	- 2	- 2	- 5	- 6	- 7	-18	-26	(-17)	-15	- 3	+13	+29	095			
27	+33	+33	+25	+23	+23	+23	+15	+12	+ 5	+ 3	- 5	- 8	-16	-17	-27	-27	-27	-27	-34	-27	- 8	+11	+12	+13	096			
28	+ 7	- 3	- 2	+ 7	+16	+16	+16	+15	+ 8	+ 6	+ 2	- 3	-12	-13	-13	-11	- 4	-12	-16	-13	-11	0	+ 9	+16	092			
29	+14	+13	+14	+15	+14	+13	+11	+ 4	+ 4	- 3	- 3	- 7	- 7	- 7	- 7	- 6	- 6	-16	-25	-25	-16	- 5	+13	+25	095			
30	+25	+24	+20	+12	+11	+11	+11	+ 2	0	- 6	- 4	- 8	- 9	- 8	- 8	- 8	- 8	-18	-24	-27	-18	- 8	+12	+26	097			
31	+30	+30	+25	+21	+12	+ 8	+ 9	+ 4	+ 2	+ 1	- 1	- 6	- 7	- 8	- 9	- 8	- 8	-16	-23	-28	-20	-15	+ 2	+13	097			
MEAN.	+20	+21	+19	+15	+12	+11	+11	+ 9	+ 5	+ 1	- 1	- 4	- 6	- 7	- 8	- 6	- 5	-12	-22	-28	-24	-14	+ 1	+13	096			

VERTICAL INTENSITY

G.M.T. (Z = 20000γ + Mean + ...) January 1944

DAY.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H. M. γ	Minimum. H. M. γ	Range.
1																												
2																												
+3																												
+4																												
5																												
+6																												
+7																												
8																												
9																												
10	-2	-2	-2	-2	-2	-1	+1	+2	+2	+2	+1	+1	+2	+2	+4	+4	+4	+4	+2	-1	-2	-1	-3	-8	653			
11	-9	-7	-5	-4	-3	0	0	+1	+1	0	+2	+3	+3	+4	+5	+7	+8	+4	+3	0	-2	-3	-2	-3	654			
12	-4	-6	-5	-3	-1	0	+2	+3	+2	+2	0	+2	+2	+2	+1	+4	+5	+3	+3	0	-5	-6	-3	-3	655			
13	-5	-5	0	+1	+1	0	+2	0	0	0	-1	0	0	+1	+1	+1	+3	+1	-2	-5	-4	-1	0	+3	657			
14	-3	-5	-5	-3	-2	0	0	0	+1	+1	0	-1	0	+1	0	0	+1	+5	+5	+5	+4	0	0	-1	660			
15	-4	-5	-3	-4	-3	-3	-1	-1	+1	+1	+1	-2	0	0	0	+1	+2	+4	+2	+4	+4	+2	0	0	660			
16	+1	-1	0	+1	+2	+1	+2	+5	+4	+5	+5	+2	+1	0	+1	+1	+1	+2	+3	+1	-4	-9	-12	-14	659			
17	-6	-6	-4	-3	-3	-2	+1	+1	+4	+6	+6	+4	+6	+4	+4	+5	+5	+5	+3	+1	-3	-4	-7	-9	654			
18	-8	-8	-8	-9	-5	-3	0	+1	+2	+3	+3	+2	+3	+3	+3	+2	+2	+3	+3	-1	-3	0	+2	+3	655			
19	+3	+4	0	-3	-3	-3	-3	-2	0	+1	+1	+1	+1	+1	+1	0	0	+1	-1	-2	-2	0	0	-3	657			
20	+2	+1	-4	-6	-7	-5	-3	-1	0	0	+2	+3	+2	+3	+3	+3	+4	+4	+2	0	+1	0	+2	+5	655			
21	+2	+2	0	-2	-4	-6	-4	-3	-3	-1	-1	0	0	+1	+2	+2	+2	0	-2	-3	0	+4	+5	+3	658			
22	+4	+2	-2	-5	-6	-5	-4	-3	-2	-1	0	0	+1	+2	+2	+1	0	-1	-2	-2	+3	+5	+3	+3	657			
23	+4	+6	+5	+1	+1	-1	-1	-1	-1	-1	+1	+2	+3	+4	+4	+4	+3	+1	-1	-6	-6	-5	-5	-4	656			
24	0	+2	+1	-2	-2	-2	-2	-2	-2	-2	-1	0	+1	+3	+3	+4	+5	+4	+2	+1	-2	-3	-6	-6	654			
25	-1	+3	+3	+2	+1	0	0	0	0	0	0	0	+2	+3	+5	+5	+3	+2	-1	-6	-8	-10	-9	-4	652			
26	-1	-1	-1	-2	-2	-1	0	-1	-1	-1	-1	-1	+1	+4	+5	+7	+4	+3	+2	-8	-6	-3	-2	+2	653			
27	+5	+4	+1	0	0	0	-2	0	-1	0	-2	-2	+1	+2	+3	+3	+5	+4	+1	-4	-7	-9	-7	-3	654			
28	+1	+1	+1	-3	-3	-3	-2	0	+1	+1	0	-1	0	+1	+3	+3	+3	+4	+3	-3	-7	-6	-2	0	654			
29	0	-2	-5	-4	-3	-1	+1	+2	+2	+1	+1	+2	+3	+2	+2	+3	+5	+5	+4	+1	-1	-2	-3	-1	652			
+30	+3	+2	-2	-7	-7	-4	-3	-1	0	+1	+1	0	0	0	+1	0	0	0	+1	+3	+4	+4	+1	-3	654			
31	-6	-10	-11	-11	-9	-6	-4	-1	0	+1	+3	+3	+3	+3	+3	+1	+3	+4	+4	+4	+7	+8	+7	+6	651			
MEAN.	-1	-1	-2	-3	-3	-2	-1	0	+1	+1	+1	+1	+2	+2	+3	+3	+3	+3	+2	-1	-2	-2	-2	-2	655			

200/1/41—14357]

VERTICAL INTENSITY

G.M.T. (Z = 20000γ + Mean + ...) February 1944

DAY.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H. M. γ	Minimum. H. M. γ	Range.
1	-1	-8	-7	-5	-4	-2	-1	0	+1	+2	+2	+2	+2	+2	0	0	-1	-1	0	0	+2	+2	+6	+8	654			
2	+3	0	-4	-7	-7	-7	-7	-6	-3	-2	0	+1	+3	+3	+3	+3	+3	0	-2	-2	0	+4	+7	+8	656			
+3	+7	+4	-1	-3	-4	-3	-3	-2	-1	-1	+1	+1	+1	+2	+2	+1	0	-1	-2	-1	-1	+1	-1	-1	655			
4	-1	-4	0	0	-3	-3	-2	-1	-1	0	+1	+2	+2	+2	+3	+5	+2	-1	-2	-4	-3	0	+1	+2	654			
5	+1	+1	-2	-5	-6	-3	-2	-1	0	+1	+2	+2	+4	+4	+4	+4	+4	+1	-2	-7	-7	-6	0	+5	652			
6	+4	+3	+1	+1	0	-2	-2	-2	-2	-2	-1	-1	0	0	0	+1	0	-2	-4	-5	-3	+1	+2	+5	656			
7	+8	+5	+2	+2	+3	+3	-1	-2	-2	-3	-4	-1	+2	+7	+5	+3	+3	+1	-3	-5	-7	-12	-1	+8	654			
8	+6	+6	+5	+5	+3	+2	+3	+2	+2	+2	+2	0	+2	+5	+6	+4	+2	0	-3	-10	-13	-15	-11	-8	657			
9	-6	-5	-2	-1	0	-1	-2	-3	-1	+2	+3	+1	+2	+4	+5	+5	+5	+3	-2	-5	-3	-2	-1	+3	655			
10	+3	+7	+7	+4	+1	+1	+1	+1	0	0	0	-1	+1	+3	+3	+3	+3	0	-5	-10	-9	-5	0	-1	659			
11																												
12	+2	0	-1	-2	-1	+1	+2	+2	+3	+3	+2	+2	+4	+4	+5	+4	+4	+4	+1	-4	-8	-8	-8	-9	655			
13	-10	-13	-11	-9	-8	-6	-3	-2	-1	0	+1	+1	+3	+5	+5	+5	+7	+7	+5	+3	+4	+5	+5	+5	655			
14	+4	+1	-1	-2	-7	-6	-9	-5	+1	+4	+5	+4	+8	+6	+3	+4	+3	+3	+2	-2	-4	-2	-1	-1	661			
15	0	0	0	0	+1	+3	+4	+5	+6	+6	+6	+4	+3	+4	+3	+3	+4	+3	+1	-3	-7	-13	-13	-11	656			
16	-12	-11	-8	-6	-4	-4	-3	+1	+2	+2	+3	+2	+2	+2	+2	+3	+3	+3	+4	+4	+4	+5	+3	+1	657			
17	0	+2	+2	+2	+2	0	0	+1	+2	+2	+2	+2	+2	+2	+2	+2	+1	0	-1	-4	-6	-7	-2	+3	657			
+18	+4	+2	-1	-4	-5	-5	-4	-2	-1	+1	+1	+1	+1	+1	+1	+1	+1	-1	-2	-2	-3	-1	+3	+5	658			
19	+10	+7	+1	0	-1	-1	0	0	+1	+1	+3	+5	+6	+6	+6	+6	+4	+3	0	-6	-8	-11	-11	-9	653			
20	-7	-1	0	0	-1	-1	0	+1	0	+1	-1	-1	0	+6	+6	+4	+3	+1	-2	-4	-4	-5	-1	-1	654			
21	-2	+1	+4	+1	-2	-4	-4	-3	-3	-4	-2	+1	+2	+4	+4	+4	+2	0	-2	-2	-1	+1	0	-1	658			
22	-1	0	-1	-1	-1	-1	-1	-2	-2	-1	0	+2	+2	+4	+5	+5	+4	+2	-1	-4	-7	-5	-4	-2	657			
23	+1	+1	+1	0	-2	-1	-2	-2	-2	-2	-1	0	+1	+3	+4	+5	+6	+5	+2	-3	-6	-8	-7	-3	655			
+24	-1	-3	-3	-2	-1	0	+1	+1	+1	+1	+1	+1	+3	+4	+6	+7	+7	+7	+6	+1	-2	-6	-12	-16	652			
+25	-15	-12	-6	-2	-1	+1	+2	+2	+2	+2	+2	+2	+3	+5	+5	+6	+8	+8	+6	+2	-1	-3	-5	-8	651			
26	-14	-14	-11	-8	-6	-4	-2	-1	0	-1	-1	0	+1	+3	+4	+5	+6	+6	+4	+3	+4	+7	+9	+8	653			
-27	+1	+2	+2	-1	-2	-1	+1	+2	+2	+1	0	-1	-1	0	+1	+1	+3	+4	+2	0	-1	-2	-2	-5	655			
28	-6	-8	-8	-7	-5	-2	0	+1	+1	+1	+2	+2	+1	+2	+2	+3	+4	+4	+4	+2	+1	-2	-2	0	652			
29	0	-4	-6	-6	-6	-4	-4	-2	-1	0	0	0	+1	+3	+4	+4	+3	+3	+3	+3	0	+1	+1	+3	653			
30																												
31																												
MEAN.	-1	-1	-2	-2	-2	-2	-1	-1	0	+1	+1	+1	+2	+3	+4	+4	+3	+2	0	-2	-3	-3	-2	0	655			

VERTICAL INTENSITY

(Z = 20000γ + Mean + ...)

March 1944

G.M.T.

DAY.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H. M. γ	Minimum. H. M. γ	Range.
+1	+2	-2	-7	-8	-10	-7	-4	-1	+2	+3	+3	+4	+5	+4	+3	+3	+3	+2	+2	+2	+2	+2	0	-2	653			
2	-5	-7	-7	-6	-5	-2	0	+1	+2	+3	+3	+3	+3	+4	+3	+3	+3	+2	0	-1	-2	0	+2	+5	653			
+3	+5	+2	+1	-1	-1	-1	-1	0	+2	+2	+4	+4	+5	+5	+4	+4	+3	+2	0	-3	-6	-8	-8	-5	654			
4	0	0	0	-3	-6	-6	-4	-4	-2	-1	-1	0	+7	+6	+5	+5	+6	+4	+7	-3	-3	-1	0	+1	652			
5	0	-2	-4	-4	-5	-4	-4	-3	-2	-2	0	+1	+3	+3	+4	+6	+4	+1	+1	+1	+1	+1	+1	-3	655			
6	-3	-4	-4	-6	-6	-3	-1	0	0	+1	+1	+4	+5	+4	+6	+6	+6	+4	+1	-2	-2	-1	-1	+1	652			
7	+3	+3	-2	-2	-3	-3	-2	-1	-1	-1	+2	+2	+5	+4	+6	+7	+5	+3	+2	-2	-5	-7	-9	-9	654			
8	-5	-5	-3	-1	-2	-1	0	0	+1	+1	+2	+4	+7	+5	+5	+6	+7	+5	+2	-5	-5	-5	-4	-2	651			
9	-1	-2	-2	0	0	0	0	0	0	0	0	+4	+3	+2	+5	+3	+5	+3	+1	-2	-4	-5	-5	-4	653			
10	-2	-1	-2	-5	-4	-2	0	+2	0	-1	+2	+5	+8	+6	+6	+5	+5	+3	0	-2	-2	-4	-5	-3	654			
11	-1	+1	+1	+1	-1	-1	+2	+2	0	+2	+2	0	+1	+2	+4	+5	+5	+4	+1	-3	-6	-8	-8	-8	655			
12	-6	-5	-3	-3	-4	-3	-1	0	+1	+1	+1	+1	+1	+3	+4	+9	+6	+5	+4	+1	-1	-1	-2	-4	653			
13	-3	-3	-4	-3	-1	0	+1	+1	+1	+1	+2	+1	+2	+4	+3	+4	+4	+5	+3	0	-4	-6	-6	-6	653			
14	-8	-10	-13	-12	-9	-6	-3	-1	+1	+2	+2	+2	+2	+4	+5	+5	+5	+5	+4	+2	+4	+5	+7	+8	652			
+15	+5	+3	0	-1	-2	-2	-1	+1	+2	+2	+2	+2	+2	+2	+2	+2	+3	+3	+2	-1	-4	-8	-12	-13	655			
16	-13	-10	-8	-9	-8	-3	+1	+3	+4	+4	+2	+2	+2	+4	+4	+4	+5	+5	+5	+5	+4	+4	+3	+1	652			
+17	0	-3	-5	-5	-5	-3	-2	0	+1	+2	+2	+3	+2	+2	+3	+3	+4	+4	+2	+1	+1	0	+1	0	652			
18	-2	-6	-7	-7	-6	-4	-1	-1	0	+2	+3	+3	+4	+4	+4	+4	+4	+4	+3	-2	-3	-1	-1	0	650			
19	-6	-14	-18	-16	-11	-7	-3	0	+2	+4	+5	+7	+6	+6	+9	+7	+6	+6	+4	+1	0	-1	+1	+2	654			
20	+2	+2	+3	0	-2	-2	-2	-2	-1	-1	+1	+4	+6	+6	+6	+5	+4	+3	+1	-2	-3	-5	-5	-6	656			
21	-6	-4	-4	-5	-7	-5	-3	-3	-2	0	+1	+3	+3	+4	+6	+5	+4	+3	+1	0	0	0	+1	+2	657			
22	+5	+2	-2	-7	-8	-7	-7	-5	-3	-1	+2	+5	+8	+8	+8	+8	+8	+5	0	-2	-5	-5	-6	-7	655			
23	-4	-4	-5	-5	-4	-4	-4	-3	-2	-2	0	+3	+3	+5	+6	+8	+8	+7	+5	+3	+1	-1	-1	0	652			
+24	-1	+1	+1	+1	0	-1	-1	-1	-3	-3	-2	-2	-1	0	+3	+4	+6	+4	+3	0	-3	-4	-5	-6	654			
25	-4	-3	-3	-2	-1	-1	0	-1	-1	-1	-2	-1	+2	+4	+6	+9	+9	+9	+6	-2	-6	-8	-6	-4	651			
26	-6	-5	-3	-8	-9	-5	-5	-8	-5	-4	-3	+4	+6	+7	+3	+7	+7	+7	+6	+2	+2	+2	+2	0I	653			
27	-15	-17	-12	-11	-8	-2	0	+2	+7	+9	+6	+2	0	+2	+2	+3	+5	+5	+4	+4	+3	+3	+5	+3	655			
28	0	+1	+1	0	+1	+1	+1	+2	+1	+1	0	+1	+1	+1	+1	+2	+3	+3	+3	+1	-3	-7	-7	-7	658			
29	-9	-10	-7	-4	-3	-6	-6	-3	+1	+3	+6	+4	+4	+4	+6	+6	+6	+7	+4	+3	+1	+1	+1	-4	658			
30	-8	-10	-8	-4	-4	-4	-3	0	0	+1	+1	+2	+2	+3	+2	+2	+2	+2	+3	+5	+5	+6	+5	0	659			
31	-2	0	-3	-4	-3	-4	-3	-2	0	+2	0	0	+1	+2	+2	+2	+2	+2	+2	+2	+2	+2	+3	+5	+5	659		
MEAN.	-3	-4	-4	-5	-4	-3	-2	-1	0	+1	+1	+2	+3	+4	+4	+5	+5	+4	+3	0	-1	-2	-2	-2	654			

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VERTICAL INTENSITY

G.M.T. (Z = 20000γ + Mean + ...) April 1944

DAY.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H. M. γ	Minimum. H. M. γ	Range.
1	+3	+1	−1	0	−1	−3	−4	−2	−1	−1	+1	+2	+2	+2	+1	+1	−1	0	−1	−2	−1	−1	−1	+1	660			
2	−2	−5	−8	−7	−2	−1	−10	−22	−27	−15	−8	−6	0	+14	+14	+11	+11	+11	+8	+8	+8	+9	+11	+14	661			
3	+4	+1	−2	−3	−2	−1	−1	−1	0	+1	+1	+1	+2	+3	+3	+2	+1	0	0	−1	−1	0	−1	−1	665			
4	+3	+1	−2	−3	−4	−5	−7	−4	−2	−1	+3	+5	+2	+2	+3	+2	+1	+1	0	−1	−1	+1	+2	+1	663			
5	+2	+2	−1	−3	−3	−3	−1	−2	−3	0	−1	+2	+1	+2	+2	+3	+3	+3	+1	+2	0	−1	−4	−6	662			
6	−5	−6	−6	−2	−1	−1	−4	−4	−5	−1	+1	0	+1	+3	+4	+3	+4	+3	+2	+1	−1	−1	+1	+3	661			
7	+4	+1	−5	−4	−1	−1	−1	−2	−2	−2	−1	−1	+1	+2	+3	+4	+4	+3	0	−1	−2	−4	−3	−1	661			
8	0	−3	−7	−6	−4	−2	−1	0	0	0	0	−1	+2	+3	+2	+3	+3	+3	+2	0	−1	−1	0	+1	660			
9	0	−4	−5	−3	0	+1	+1	+1	+1	0	−1	0	+1	+2	+3	+3	+3	+3	+3	+2	−2	−3	−3	−2	659			
10	−3	−3	−1	−2	−2	−3	−4	−2	−2	−5	−2	0	+1	+2	+4	+4	+4	+5	+4	+2	+2	+2	+1	−3	658			
11	−6	−7	−5	−2	−1	−1	−1	+2	+2	+2	+2	+1	+1	+2	+2	+2	+2	+4	+4	+2	+1	−1	−1	−5	658			
12	−6	−8	−8	−5	−4	−3	−3	−1	0	+1	+1	+2	+2	+2	+2	+2	+2	+3	+4	+4	+4	+5	+4	+3	658			
13	+1	−4	−7	−7	−4	−2	−1	0	0	0	0	0	0	0	0	0	+2	+3	+4	+3	+3	+5	+6	+5	657			
14																												
15																												
16	0	0	−4	−5	−5	−7	−6	−6	−2	0	−1	0	+1	0	+3	+4	+2	+2	+5	+5	+4	+4	+1	−2	658			
17	−3	−6	−8	−7	−7	−5	−2	−1	0	+2	+2	+2	+3	+3	+4	+4	+2	+1	+3	+3	+3	+3	+2	−1	658			
18	−3	−5	−5	−4	−5	−4	−4	−4	−1	0	+3	+4	+5	+6	+5	+4	+3	+2	+1	0	−2	−1	+1	+1	657			
19	−1	−3	−4	−4	−4	−4	−4	−3	−1	0	+1	+3	+4	+4	+4	+4	+3	+2	+2	+1	0	−1	0	+1	657			
20	+1	0	−3	−4	−5	−5	−4	−2	−2	−1	0	+2	+4	+5	+6	+6	+5	+4	+3	+2	+1	0	−2	−1	656			
21	+1	+2	+3	+2	+1	−1	−2	−4	−4	−3	−3	−1	0	+2	+4	+5	+4	+3	+1	0	−1	−2	−4	−5	657			
22	−4	−2	−2	−2	−2	−1	−1	−2	−2	−2	−2	0	+1	+3	+4	+5	+5	+5	+5	+3	+1	−2	−5	−9	655			
23	−10	−8	−6	−3	−1	−1	−1	−1	−2	−3	−2	−1	+2	+2	+3	+4	+4	+4	+4	+4	+2	+2	0	−1	654			
24	−1	+2	+3	+2	−2	−4	−7	−7	−7	−4	0	+2	+2	+3	+5	+6	+6	+6	+6	+5	+3	−1	−9	−11	656			
25	−11	−5	−1	−1	−1	−1	0	0	0	−1	−1	−1	−1	−1	0	+2	+3	+4	+5	+3	+3	+3	+3	0	659			
26	−3	−3	−4	−3	−2	−3	−3	−1	+1	+3	+2	+2	+1	+1	+1	+1	+3	+3	+3	+2	+1	+1	−3	−7	661			
27	−8	−10	−10	−10	−8	−4	−1	0	+2	+2	+2	+1	+2	+3	+3	+3	+5	+6	+8	+6	+4	+2	+1	0	659			
28	0	−4	−5	−6	−6	−4	−3	−1	+1	+2	+3	+2	+2	+1	+1	+1	+2	+1	+3	+4	+3	+3	+1	+1	658			
29	+1	−3	−6	−8	−8	−7	−4	+1	+1	+3	+5	+6	+5	+3	+3	+3	+2	+2	+3	+3	+3	+1	−4	−7	656			
30	−6	−11	−8	−4	−2	−2	−2	−2	+4	+4	+4	+4	+4	+5	+6	+5	+5	+5	+5	+4	+2	−1	−4	−6	653			
31																												
MEAN.	−2	−3	−4	−4	−3	−3	−3	−2	−2	−1	0	+1	+2	+3	+3	+4	+3	+3	+3	+2	+1	+1	0	−1	658			

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VERTICAL INTENSITY

G.M.T. (Z = 20000γ + Mean + ...) May 1944

DAY.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H. M. γ	Minimum. H. M. γ	Range.
1	- 7	- 3	- 3	- 4	- 5	- 7	- 7	- 4	- 1	- 1	+ 3	+ 6	+ 4	+ 5	+ 8	+ 4	+ 4	+ 2	+ 1	+ 2	+ 1	- 1	- 1	- 3	654			
2	- 7	- 8	- 6	- 3	- 1	- 2	- 3	+ 1	+ 2	+ 3	+ 5	+ 7	+ 5	+ 7	+ 4	+ 4	+ 4	+ 2	+ 2	+ 1	- 1	- 3	- 4	- 3	656			
3	- 2	+ 1	0	- 3	- 4	- 4	- 2	- 1	0	0	+ 2	+ 2	+ 2	+ 3	+ 2	+ 2	+ 2	+ 2	+ 1	0	- 1	- 1	0	+ 1	657			
4	0	- 3	- 3	- 3	- 2	- 2	- 3	- 2	- 2	- 1	- 1	0	0	+ 1	+ 3	+ 2	+ 2	+ 1	+ 2	+ 2	0	0	+ 1	+ 1	657			
5	- 5	- 5	- 5	- 1	+ 1	- 1	- 3	- 4	- 2	- 2	0	0	- 1	0	+ 1	0	0	0	+ 2	+ 3	+ 5	+ 5	+ 4	+ 3	659			
6	- 2	- 7	- 6	- 3	- 1	0	- 1	- 2	- 1	- 1	0	+ 4	+ 3	+ 3	+ 4	+ 4	+ 3	+ 3	+ 2	+ 3	+ 2	0	- 3I	- 8	659			
7	- 8	-11	- 8	- 6	- 3	- 2	- 3	- 3	0	+ 1	+ 1	+ 3	+ 4	+ 5	+ 5	+ 7	+ 7	+ 7	+ 5	+ 4	+ 2	0	- 2	- 5	657			
8	- 8	-10	- 7	- 1	+ 1	+ 2	+ 2	+ 2	+ 2	+ 1	0	0	+ 1	+ 2	+ 2	+ 3	+ 4	+ 4	+ 4	+ 3	0	- 2	- 4	- 7	657			
9	- 8	- 8	- 5	- 2	+ 1	+ 1	0	- 1	- 2	- 2	- 2	- 1	+ 1	+ 1	+ 2	+ 3	+ 3	+ 3	+ 5	+ 5	+ 3	+ 2	- 3	- 8	656			
10	- 7	- 6	- 3	- 1	0	+ 1	+ 1	0	- 1	- 1	- 1	- 1	0	+ 2	+ 3	+ 3	+ 4	+ 5	+ 6	+ 6	+ 5	+ 2	- 3	- 9	655			
11	-10	- 9	- 6	- 4	- 2	0	+ 1	+ 2	+ 1	0	0	0	+ 1	+ 2	+ 3	+ 3	+ 4	+ 5	+ 5	+ 6	+ 5	+ 4	+ 2	- 1	655			
12	- 5	- 8	- 6	- 3	0	0	0	+ 1	+ 1	+ 1	0	0	0	0	+ 1	+ 3	+ 3	+ 3	+ 4	+ 4	+ 3	+ 1	- 1	- 4	655			
13	- 6	- 8	- 8	- 8	- 6	- 5	- 3	- 1	0	0	+ 1	+ 1	0	0	+ 1	+ 3	+ 3	+ 3	+ 5	+ 7	+ 8	+ 8	+ 4	+ 2	655			
14	+ 1	0	- 1	- 3	- 3	- 4	- 4	- 3	- 1	+ 1	+ 2	+ 1	+ 1	0	0	0	+ 1	+ 2	+ 2	+ 3	+ 2	+ 1	- 1	- 3	656			
15	- 7	-10	- 8	- 6	- 6	- 6	- 4	- 1	+ 1	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 1	+ 1	+ 1	+ 2	+ 3	+ 5	+ 6	+ 7	+ 3	657			
16	0	- 1	- 2	- 4	- 2	- 3	- 2	- 1	- 1	0	+ 1	+ 1	+ 2	+ 2	+ 2	+ 1	+ 1	+ 1	+ 2	+ 2	+ 1	+ 1	+ 1	+ 2	657			
17	+ 2	+ 1	+ 1	- 2	- 5	- 4	- 2	- 2	0	+ 1	+ 1	+ 2	+ 2	+ 2	+ 2	+ 1	+ 1	+ 1	+ 1	+ 2	+ 2	+ 2	+ 1	- 2	657			
18	- 3	- 3	- 2	- 1	- 3	- 3	- 3	- 3	- 1	- 1	0	+ 2	+ 3	+ 3	+ 3	+ 2	+ 2	+ 1	+ 2	+ 2I	+ 2I	+ 1	- 1	- 3	656			
19	- 1	0	0	0	- 2	- 3	- 3	- 3	- 2	0	0	+ 1	+ 2	+ 3	+ 3	+ 3	+ 3	+ 1	+ 1I	0I	- 1	- 2	- 2	- 2	655			
20	- 1	- 1	0	- 1	- 1	- 1	- 2	- 2	- 2	- 1	- 1	0	+ 2	+ 3	+ 4	+ 4	+ 4	+ 2	+ 1	+ 1	+ 1	- 1	- 1	- 3	654			
21	- 3	- 2	- 1	- 1	0	0	0	- 2	- 3	- 3	- 3	- 1	0	+ 2	+ 3	+ 5	+ 5	+ 4	+ 4	+ 3	+ 2	- 1	- 6	- 8	653			
22	- 9	- 7	- 4	- 1	+ 1	+ 1	- 1	- 2	- 2	- 2	- 2	- 2	- 1	0	+ 1	+ 3	+ 3	+ 4	+ 4	+ 4	+ 2	+ 1	+ 2	+ 4	654			
23	+ 3	+ 1	0	- 2	- 2	- 3	- 2	- 2	- 2	- 2	- 2	- 2	- 1	0	+ 1	+ 1	+ 2	+ 3	+ 2	+ 4	+ 5	+ 5	+ 3	0	655			
24	- 3	- 6	- 4	- 1	0	- 1	- 2	- 5	- 5	- 4	- 2	0	+ 1	+ 2	+ 3	+ 4	+ 5	+ 5	+ 6	+ 5	+ 3	+ 2	0	- 3	655			
25	- 6	- 6	- 4	- 3	- 2	- 1	0	+ 1	+ 1	0	- 1	- 2	- 2	- 1	+ 1	+ 1	+ 1	+ 2	+ 3	+ 6	+ 7	+ 3	- 1	- 2	657			
26	- 3	- 6	- 6	- 5	- 3	- 3	- 1	0	- 1	- 2	- 2	0	0	0	+ 1	+ 2	+ 3	+ 3	+ 4	+ 5	+ 5	+ 2	- 2	- 3	655			
27	- 4	- 4	- 4	- 1	- 2	- 3	- 1	+ 1	+ 1	0	+ 1	+ 1	+ 1	+ 1	+ 1	+ 2	+ 2	+ 4	+ 4	+ 4	+ 3	+ 1	+ 1	- 4	654			
28	- 8	- 9	- 7	- 4	- 2	- 2	- 2	0	+ 1	+ 1	+ 2	+ 1	+ 1	+ 1	+ 1	+ 1	+ 1	+ 2	+ 2	+ 5	+ 6	+ 6	+ 6	+ 2	654			
29																												
30	- 5	- 7	- 6	- 3	- 1	0	+ 1	+ 1	+ 1	+ 2	+ 2	+ 3	+ 3	+ 1	+ 2	+ 1	+ 1	+ 1	+ 1	+ 3	+ 3	+ 1	- 2	- 5	657			
31	- 9	- 9	- 6	- 4	- 4	- 3	- 2	- 1	0	0	+ 1	+ 2	+ 2	+ 3	+ 3	+ 3	+ 3	+ 4	+ 4	+ 5	+ 4	+ 4	+ 2	- 1	656			
MEAN.	- 4	- 5	- 4	- 3	- 2	- 2	- 2	- 1	- 1	0	0	+ 1	+ 1	+ 2	+ 2	+ 3	+ 3	+ 3	+ 3	+ 4	+ 3	+ 2	0	- 2	658			

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VERTICAL INTENSITY

G.M.T. (Z = 20000γ + Mean + ...) June 1944

DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H. M. γ	Minimum. H. M. γ	Range.
1	- 1	- 2	- 1	- 1	- 1	- 2	- 2	- 1	- 1	0	+ 1	+ 2	+ 2	+ 3	+ 2	+ 2	+ 1	+ 1	+ 2	+ 2	+ 2	+ 1	- 4	- 9	658			
2	-11	- 9	- 7	- 4	- 3	- 3	- 4	- 3	- 3	- 3	- 3	0	+ 1	+ 3	+ 3	+ 4	+ 3	+ 3	+ 3	+ 3	+ 5	+ 6	+ 7	+ 3	657			
3	0	0	+ 3	+ 4	+ 2	- 1	- 3	- 3	- 3	- 3	- 2	- 1	0	+ 1	+ 1	+ 1	0	0	- 1	+ 1	+ 1	+ 1	+ 1	+ 1	659			
4	- 1	- 4	- 1	+ 2	+ 3	+ 1	- 1	- 2	- 2	- 1	- 1	- 1	0	+ 1	+ 1	+ 1	0	+ 1	+ 2	+ 2	+ 4	+ 2	- 1	- 4	658			
5	- 1	- 6	- 6	- 2	- 1	- 1	- 1	- 2	- 3	- 3	- 2	- 1	0	+ 2	+ 3	+ 4	+ 5	+ 5	+ 5	+ 5	+ 5	+ 4	+ 2	- 2	655			
6	- 4	- 5	- 4	- 4	- 1	0	+ 1	+ 1	0	- 1	- 1	0	+ 1	+ 2	+ 4	+ 4	+ 4	+ 4	+ 2	+ 2	+ 2I	+ 2I	0	- 4	655			
7	- 6	- 6	- 6	- 4	- 3	- 2	- 1	- 1	- 2	- 2	- 1	- 1	0	+ 2	+ 3	+ 4	+ 5	+ 5	+ 5	+ 6	+ 2	+ 1	+ 1	- 2	655			
8	- 4	- 6	- 7	- 4	0	0	- 1	- 1	- 1	- 1	- 1	- 1	0	+ 1	+ 1	+ 2	+ 3	+ 4	+ 5	+ 6	+ 5	+ 5	+ 3	+ 1	654			
9																												
10	- 4	- 5	- 3	- 2	- 2	- 1	0	+ 1	+ 1	+ 1	+ 1	+ 1	0	+ 1	+ 1	+ 2	+ 2	+ 3	+ 5	+ 5	+ 4	+ 2	0	- 3	655			
11	- 3	- 3	- 1	- 1	- 2	- 2	- 2	- 1	- 1	0	0	- 1	- 1	- 1	- 1	- 1	0	0	+ 1	+ 3	+ 2	+ 2	+ 2	- 1	657			
12	- 4	- 5	- 5	- 4	- 5	- 4	- 2	- 1	0	+ 1	+ 1	+ 1	+ 1	0	- 1	0	0	+ 1	+ 1	+ 4	+ 4	+ 4	+ 4	+ 2	656			
13	- 1	- 1	- 1	- 2	- 2	- 2	- 1	0	+ 1	+ 2	+ 2	+ 2	+ 4	+ 2	+ 2	+ 2	+ 1	+ 1	+ 1	+ 1	- 1	- 1	- 2	- 3	655			
14	- 5	- 5	- 3	- 4	- 6	- 5	- 4	- 2	0	+ 1	+ 1	+ 2	+ 2	+ 2	+ 1	0	0	0	+ 2	+ 4	+ 5	+ 6	+ 3	+ 3	654			
15																												
16	- 5	- 5	- 3	0	0	- 1	- 3	- 5	- 4	- 4	- 2	+ 2	+ 4	+ 4	+ 4	+ 4	+ 3	+ 3	+ 3	+ 3	+ 2	+ 1	+ 2	0	656			
17	- 2	- 1	+ 1	+ 1	- 1	- 3	- 3	- 3	- 2	- 2	- 1	0	+ 2	+ 2	+ 2	+ 2	+ 2	+ 1	+ 1	+ 1	+ 1	+ 1	- 1	- 4	658			
18	- 2	- 4	- 3	- 1	0	- 1	- 2	- 3	- 2	- 2	- 2	0	+ 1	+ 1	+ 3	+ 3	+ 3	+ 3	+ 3	+ 2	+ 1	+ 1	0	- 1	656			
19	0	0	0	- 1	- 2	- 1	- 1	- 2	- 2	- 3	- 3	- 2	0	+ 1	+ 3	+ 4	+ 4	+ 4	+ 4	+ 3	+ 1	0	0	0	656			
20	- 2	- 3	- 3	- 2	0	- 2	- 1	- 2	- 5	- 3	- 3	- 2	- 2	0	+ 1	+ 2	+ 3	+ 3	+ 4	+ 4	+ 4	+ 6	+ 4	0	656			
21	- 5	- 8	- 5	- 4	- 4	- 3	- 4	- 4	- 5	- 3	0	- 1	0	0	+ 3	+ 3	+ 3	+ 3	+ 5	+ 6	+ 8	+ 8	+ 7	+ 6	654			
22																												
23																												
24	- 1I	- 2	- 3	- 1	0	0	0	0	0	0	0	- 1	- 1	- 1	- 2	- 1	0	0	+ 3	+ 3	+ 3	+ 3	+ 2	- 3	657			
25	- 4	- 4	- 1	- 1	- 1	- 1	0	0	+ 1	0	0	0	0	0	+ 1	+ 2	+ 2	+ 2	+ 4	+ 5	+ 4	+ 2	0	- 3	657			
26	- 4	- 4	- 7	- 8	- 6	- 4	- 2	- 2	- 1	- 1	- 1	- 1	+ 1	+ 3	+ 5	+ 4	+ 4	+ 4	+ 3	+ 4	+ 4	+ 6	+ 5	+ 3	655			
27	- 3	- 7	- 5	- 2	- 1	- 1	- 1	- 1	0	- 1	0	0	0	0	0	0	0	+ 2 (+ 4)	+ 6I (+ 7)	+ 5	+ 4				657			
28	+ 2	- 1	- 3	- 1	0	0	- 1	- 1	- 1	- 1	0	0	0	0	0	- 1	0	0	0	+ 2	+ 2	+ 1	0	- 1	657			
29																												
30	- 1I	- 1	0	0	0	- 1	- 1	- 3	- 3	- 1	- 1	0	+ 2	+ 2	+ 1	+ 1	+ 1	+ 2	+ 3	+ 3	+ 4	+ 2	- 1	- 4	654			
31																												
MEAN.	- 3	- 4	- 3	- 2	- 1	- 2	- 2	- 2	- 2	- 1	- 1	0	+ 1	+ 1	+ 2	+ 2	+ 2	+ 2	+ 3	+ 3	+ 3	+ 3	+ 2	- 1	656			

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VERTICAL INTENSITY

G.M.T. (Z = 20000γ + Mean + ...) July 1944

DAY.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H. M. γ	Minimum. H. M. γ	Range.
1	-6	-6	-2	-3	-4	-4	-3	-1	-1	0	0	+1	+1	+2	+1	+1	+1	+1	+1	+1	+3	+3	+4	+3	654			
2	-1	-4	-4	-3	-3	-4	-4	-3	-1	-1	0	+1	+1	+2	+2	+2	+2	+1	+1	+3	+3	+2	0	-1	654			
3	-3	-2	0	-2	-3	-3	-2	-1	-2	-2	0	+2	+2	+2	+2	+2	+3	+2	+2	+2	+2	+4	+1	-2	653			
4	-1	-2	-2	0	0	0	-1	-1	-2	-1	-1	+1	+2	+3	+3	+3	+3	+3	+3	+2	+1	-1	-3	-8	652			
5	-12	-8	-3	0	0	0	0	-1	-1	-1	0	+1	+2	+3	+4	+5	+5	+4	+4	+4	+4	+2	0	-1	651			
6	-2	0	0	-2	-2	-2	-2	-3	-4	-3	-2	-2	+1	0	+2	+3	+3	+4	+4	+5	+3	+3	+1	-2	652			
7	-5	-2	-1	-2	-2	-1	-2	-3	-3	-3	-1	-1	0	0	+1	+3	+4	+5	+5	+5	+4	+4	+3	+2	653			
8	-2	-4	-5	-4	-4	-3	-3	-2	-2	-2	-2	-2	-2	-1	+1	+1	+3	+4	+6	(+8)	+8I	+7	+5	+1	657			
9	-2	-8	-8	-6	-4	-4	-3	-2	-2	-4	-4	-2	0	+1	+1	+3	+4	+5	+6	+6	+6	+4	+3	0	657			
10	-6	-7	-9	-6	-3	-1	+1	+1	+1	+1	-1	-1	-2	-2	-2	-1	-1	+1	+2	+5	+5	+7	+5	+1	659			
11	-1	-3	-5	-6	-5	-3	-1	0	+1	+2	+2	+1	0	-1	-1	-1	-1	+1	+2	+4	+5	+5	+2	-1	656			
12	-2	-5	-6	-4	-5	-3	-1	+1	+2	+3	+3	+2	+2	+1	0	+1	+1	+1	+2	+4	+4	+4	+3	+2	653			
13	-1	-4	-7	-6	-4	-4	-4	-2	-1	0	0	+1	+1	+1	0	0	-1	0	+1	+2	+4	+6	+4	+3	654			
14	+3	+2	+1	0	-1	-3	-3	-3	-3	-2	-1	0	+1	+1	+1	+1	+1	0	+1	+2	+1	+1	+1	+2	653			
15	+3	+3	+2	-1	-2	-4	-4	-4	-4	-4	-3	-2	0	+1	+1	+1	+2	0	+2	+2	+2	+3	+4	+4	651			
16	+2	+2	+1	-1	-2	-4	-5	-5	-3	-3	-2	-1	+1	+3	+3	+3	+3	+2	+1	+1	+1	+1	+2	+6	652			
17	+7	+6	+4	-2	-7	-9	-8	-6	-4	-3	-1	0	+1	+3	+3	+3	+3	+1	+1	+4	+6+	4	+1	-3	654			
18	-4	-1	+2	+1	0	-1	-1	-2	-2	0	0	0	0	+1	+2	+2	+2	+2	+4	+4	+1	0	-2	-3	653			
19	-2	-2	-2	-1	-1	+1	+1	+2	+1	-1	0	0	-1	+1	+2	+3	+3	+3	+2	+2	-1	-4	-5	-3	652			
20	-2	-2	0	-2	0	0	+1	-2	-6	-3	0	-2	0	+1	+3	+4	+5	+5	+4	+3	0	-3	-3	-2	650			
21	-2	-1	0	0	+1	+1	0	0	-2	-3	-2	-2	0	0	+1	+3	+3	+3	+4	+4	+3	0	-2	-2	650			
22	-2	0	0	-2	0	0	0	0	0	+1	0	0	0	+1	+2	+3	+3	+4	+5	+5	+3	-3	-10	-13	650			
23	-11	-8	-5	-3	0	0	0	0	+1	0	0	0	0	0	0	0	+1	+2	+3	+5	+5	+5	+5	+3	650			
24	-1	-4	-3	-1	0	+1	0	0	0	0	0	0	-1	0	-1	0	0	+1	+3	+4	+3	+1	0	-1	651			
25	0	0	-2	-3	-3	-2	0	0	0	0	0	0	-1	0	0	0	+1	+1	+3	+3	+3	0	-4	-7	650			
26	-5	-6	-5	-5	-3	-2	-2	0	0	0	0	+1	+2	+2	+2	+2	+3	+3	+4	+4	+3	+3	+3	+1	647			
27																												
28																												
29	-3	-6	-7	-5	-5	-4	-3	-2	-2	0	+1	+3	+3	+3	+1	+3	+3	+3	+3	+4	+4	+3	0	-5	650			
30	-9	-12	-12	-9	-5	-3	-1	-1	0	0	+1	+3	+4	+4	+4	+4	+4	+4	+4	+5	+4	+3	+1	+1	647			
31	-4	-3	-1	-3	-3	-3	-3	-3	-2	-1	0	+2	+4	+4	+4	+3	+3	+3	+4	+4	+3	+2	0	0	651			
MEAN.	-3	-3	-3	-3	-2	-2	-2	-1	-1	-1	0	0	+1	+1	+1	+2	+2	+2	+3	+4	+3	+2	+1	-1	652			

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VERTICAL INTENSITY

G.M.T. (Z = 20000γ + Mean + ...) August 1944

DAY.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H. M. γ	Minimum. H. M. γ	Range.
1	- 1	- 3	- 3	- 3	- 5	- 4	- 4	- 4	- 3	0	0	0	+ 4	+ 4	+ 4	+ 3	+ 3	+ 2	+ 2	+ 2	0	0	0	0	655			
2	+ 3	+ 3	+ 3	+ 3	+ 1	0	0	- 1	- 1	0	0	+ 1	+ 3	+ 3	+ 4	+ 1	+ 1	0	0	+ 1	0	- 5	- 6	- 3	651			
3																												
4																												
5	0	+ 1	- 2	- 2	0	+ 1	0	0	- 1	- 2	- 2	- 2	0	+ 1	+ 3	+ 4	+ 6	+ 6	+ 6	+ 4	- 2	- 7	- 5	- 6	651			
6	- 8	- 7	- 8	-10	- 5	- 1	- 1	- 1	- 2	- 2	- 2	- 1	0	+ 1	+ 4	+ 5	+ 7	+ 8	+ 7	+ 7	+ 5	+ 1	- 2	- 4	650			
7	-10	-13	-12	- 7	- 3	0	+ 2	+ 2	+ 2	+ 2	+ 2	+ 1	0	0	+ 2	+ 3	+ 5	+ 5	+ 8	+ 8	+ 6	+ 3	+ 3	+ 2	652			
8																												
9																												
10	0	- 1	- 2	- 2	- 4	- 4	- 5	- 4	- 2	- 1	+ 2	+ 2	+ 2	+ 2	+ 2	+ 3	+ 4	+ 5	+ 7	+ 7	+ 4	- 1	- 4	- 7	650			
11																												
12	- 6	- 3	- 1	- 3	- 3	- 4	- 3	- 3	0	+ 2	+ 2	+ 3	+ 3	+ 3	+ 3	+ 3	+ 2	+ 2	+ 3	+ 3	+ 2	0	- 2	- 5	655			
13	- 2	- 3	- 3	- 1	0	0	0	- 2	- 2	0	+ 1	+ 2	+ 3	+ 4	+ 4	+ 3	+ 3	+ 3	+ 4	+ 3	+ 1	- 1	- 5	- 6	651			
14	- 6	- 6	- 4	- 3	- 3	- 3	- 3	- 1	- 1	0	+ 2	+ 2	+ 3	+ 4	+ 4	+ 4	+ 4	+ 3	+ 3	+ 2	+ 1	0	0		649			
15	- 2	- 5	- 6	- 4	- 1	0	- 2	- 2	- 2	- 2	- 2	+ 1	+ 3	+ 3	+ 4	+ 5	+ 5	+ 5	+ 5	+ 4	+ 3	0	- 2	- 6	648			
16	- 7	- 4	- 4	- 3	- 1	- 1	- 1	- 1	- 1	- 1	- 1	- 1	- 1	0	+ 2	+ 4	+ 5	+ 5	+ 4	+ 2	- 1	0	0	- 4	649			
17	- 9	- 9	- 6	- 4	- 4	- 3	- 1	- 1	- 1	- 1	0	+ 2	+ 3	+ 3	+ 5	+ 5	+ 5	+ 5	+ 4	+ 3	0	- 1	- 3	- 3	652			
18	- 4	- 6	- 6	- 3	- 2	- 1	- 3	- 6	- 4	- 6	- 5	- 3	0	+ 3	+ 5	+ 6	+ 6	+ 6	+ 8	+ 7	+ 5	+ 5	+ 2	- 1	652			
19	- 6	-10	-12	- 9	- 7	- 6	- 3	- 2	0	0	0	0	0	+ 2	+ 3	+ 5	+ 5	+ 5	+ 8	+ 8	+ 8	+ 5	0	- 3	655			
20	- 2	- 6	- 8	- 7	- 4	- 1	0	0	- 1	- 1	0	+ 1	+ 3	+ 3	+ 5	+ 5	+ 6	+ 6	+ 6	+ 5	+ 3	+ 2	- 2	- 6	652			
21	- 6	- 6	- 5	- 4	- 3	- 1	+ 1	0	0	0	0	0	0	+ 1	+ 1	+ 4	+ 5	+ 5	+ 6	+ 5	+ 1	- 3	- 4	- 5	650			
22	- 8	- 6	- 5	- 3	- 2	- 1	0	0	- 1	0	0	- 2	- 2	0	+ 1	+ 3	+ 4	+ 5	+ 6	+ 4	+ 4	+ 4	0	- 2	651			
23	- 4	- 5	- 4	- 1	0	- 1	- 2	- 3	- 4	- 4	- 4	- 4	+ 1	0	+ 1	+ 1	+ 3	+ 4	+ 6	+ 5	+ 5	+ 5	+ 4	+ 4	653			
24	+ 2	0	- 3	- 1	0	0	0	0	0	- 2	- 3	- 3	- 3	0	+ 1	+ 3	+ 3	+ 3	+ 3	+ 3	+ 3	- 1	- 3		654			
25	- 4	- 5	- 7	- 7	- 4	- 2	0	+ 1	+ 1	+ 1	+ 1	+ 1	+ 1	+ 1	+ 2	+ 2	+ 3	+ 3	+ 4	+ 4	+ 2	+ 2	- 1	- 2	653			
26	- 6	-10	- 9	- 5	- 3	- 1	- 1	+ 2	+ 3	+ 3	+ 3	+ 3	+ 3	+ 3	+ 3	+ 3	+ 3	+ 4	+ 5	+ 5	+ 3	+ 3	- 1	- 7	652			
27	- 9	- 8	- 7	- 7	- 6	- 6	- 5	- 2	0	+ 1	+ 4	+ 4	+ 4	+ 4	+ 4	+ 4	+ 4	+ 4	+ 4	+ 6	+ 6	+ 4	+ 4	0	651			
28																												
29	- 6	- 5	- 3	- 1	0	0	- 2	- 2	0	0	0	+ 1	+ 1	+ 1	+ 1	+ 1	+ 1	+ 1	0	0	+ 1	+ 1	+ 3		651			
30	+ 3	- 2	- 5	- 6	- 6	- 5	- 4	- 2	- 2	0	+ 1	+ 2	+ 3	+ 4	+ 4	+ 3	+ 3	+ 3	(+ 3)	+ 4	+ 3	+ 1	0	+ 1	648			
31	- 1	- 2	- 3	- 4	- 2	0	0	- 1	- 1	- 1	- 1	0	+ 2	+ 3	+ 4	+ 6	+ 4	+ 3	+ 3	0	(- 1)	- 2	- 5	- 8	649			
MEAN.	- 4	- 5	- 5	- 4	- 3	- 2	- 1	- 1	- 1	- 1	0	0	+ 1	+ 2	+ 3	+ 4	+ 4	+ 4	+ 5	+ 4	+ 2	+ 1	- 1	- 3	651			

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VERTICAL INTENSITY

(Z = 20000γ + Mean + ...)

September 1944

G.M.T.

DAY.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H. M. γ	Minimum. H. M. γ	Range.
1																									653			
2	-10	-12	- 9	- 4	- 2	0	- 2	- 2	0	- 2	0	+ 2	+ 2	+ 4	+ 5	+ 8	+ 7	+ 6	+ 6	+ 4	0	- 2	- 4	- 6	651			
3	- 6	- 9	- 6	0	+ 2	+ 2	+ 1	0	- 1	0	+ 1	+ 2	+ 3	+ 4	+ 5	+ 6	+ 6	+ 5	+ 4	+ 3	+ 1	- 2	- 6	- 8	651			
4	- 8	- 8	- 8	- 4	+ 2	+ 3	+ 4	+ 3	+ 3	+ 3	+ 2	+ 2	+ 3	+ 4	+ 6	+ 7	+ 8	+ 8	+ 8	+ 3	- 4	-10	-11	-11	647			
5	-10	- 9	- 6	- 5	- 4	- 2	+ 1	+ 2	+ 2	+ 2	+ 1	+ 1	+ 2	+ 3	+ 4	+ 6	+ 7	+ 8	+ 9	+ 7	+ 3	- 2	-10	-15	647			
6																												
7																									650			
8	- 3	- 6	- 7	- 6	- 5	- 3	- 1	- 1	- 1	- 1	- 1	- 1	- 1	- 1	0	+ 2	+ 3	+ 5	+ 6	+ 5	+ 5	+ 2	+ 1	+ 1	653			
9	- 2	0	+ 2	+ 2	0	- 2	- 2	- 2	- 2	- 2	- 2	- 2	- 2	- 2	- 1	- 1	- 1	0	+ 2	+ 3	+ 3	+ 2	0	+ 2	653			
10	+ 2	0	- 2	- 1	- 1	0	0	+ 1	+ 2	+ 1	+ 2	+ 2	+ 3	+ 2	+ 2	+ 3	+ 3	+ 3	+ 3	0	- 2	- 4	- 8	-10	653			
11	- 8	- 8	- 9	- 6	- 4	- 4	- 4	- 2	0	+ 1	+ 2	+ 4	+ 4	+ 5	+ 6	+ 5	+ 2	+ 5	+ 6	+ 4	+ 2	- 1	- 2	- 7	649			
12	- 8	-10	- 9	- 7	- 4	- 2	- 2	- 2	- 3	- 2	- 1	+ 2	+ 4	+ 4	+ 4	+ 4	+ 3	+ 2	+ 3	+ 2	+ 1	+ 2	+ 4	+ 4	651			
13	+ 2	+ 1	+ 1	+ 3	+ 1	- 1	- 1	- 2	- 1	+ 1	+ 2	+ 3	+ 3	+ 4	+ 4	+ 4	+ 4	+ 4	+ 3	- 1	- 3	- 8	-10	- 9	652			
14	- 7	- 4	- 1	0	0	- 1	- 2	- 4	- 2	- 1	0	0	+ 2	+ 3	+ 4	+ 5	+ 4	+ 3	+ 4	0	- 2	- 4	- 6	- 3	651			
15	- 3	+ 1	+ 4	+ 3	+ 1	- 1	- 1	- 2	- 3	- 2	- 1	+ 1	+ 1	+ 3	+ 4	+ 4	+ 4	+ 4	+ 3	0	- 1	- 2	- 3	- 3	652			
16	- 3	- 2	- 2	- 3	- 3	- 3	- 3	- 1	- 1	- 1	- 1	0	+ 1	+ 3	+ 3	+ 3	+ 3	+ 3	+ 3	+ 3	- 1	- 2	- 3	- 3	652			
17	- 1	- 2	- 3	- 4	- 4	- 1	0	+ 1	+ 1	+1	+ 1	+ 1	+ 2	+ 4	+ 6	+ 8	+ 8	+ 7	+ 6	+ 1	- 2	- 6	- 6	- 9	649			
18	-11	-13	-12	- 8	- 5	- 3	- 3	0	0	0	+ 1	+ 2	+ 4	+ 6	+ 7	+ 8	+ 8	+ 8	+ 8	+ 6	+ 4	+ 1	- 1	- 3	649			
19	- 5	- 3	- 3	- 3	- 1	- 1	- 1	- 1	- 1	- 2	- 1	- 1	0	+ 2	+ 3	+ 4	+ 4	+ 4	+ 4	+ 3	+ 3	+ 3	- 2	- 5	652			
20	- 5	- 6	- 6	- 4	- 2	0	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 3	+ 6	+ 6	+ 7	+ 8	+ 8	+ 6	+ 1	- 5	- 9	-17	649			
21	-16	-16	-17	-11	- 5	- 1	- 2	- 2	+ 1	0	0	+ 2	+ 3	+ 6	+ 6	+ 7	+ 8	+ 9	+10	+ 9	+ 7	+ 2	+ 1	+ 1	649			
22	- 6	- 6	- 5	- 5	- 5	- 4	- 2	0	+ 1	+ 1	+ 1	+ 1	+ 1	+ 1	+ 2	+ 4	+ 4	+ 4	+ 5	+ 3	+ 2	+ 1	0	- 4	655			
23	- 3	- 3	- 2	- 2	- 1	0	0	+ 2	+ 2	0	+ 2	+ 2	+ 2	+ 3	+ 3	+ 4	+ 4	+ 6	+ 8	+ 5	+ 1	- 1	- 8	-13	653			
24																												
25	- 3	- 7	- 9	- 9	- 8	- 3	- 2	- 1	+ 1	+ 3	+ 3	+ 4	+ 4	+ 3	+ 3	+ 3	+ 3	+ 3	+ 3	+ 1	+ 3	+ 3	+ 3	+ 2	652			
26	- 4	- 5	- 3	- 4	- 4	- 4	- 4	- 3	+ 1	+ 2	+ 3	+ 3	+ 3	+ 3	+ 3	+ 5	+ 2	+ 1	+ 1	+ 1	+ 1	+ 1	+ 1	- 1	654			
27	- 2	- 2	- 2	- 2	- 3	- 2	- 2	- 2	0	+ 2	+ 3	+ 4	+ 5	+ 5	+ 3	+ 3	+ 2	+ 2	+ 2	- 2	- 3	- 2	0	+ 2	653			
28	+ 1	- 1	- 2	- 1	- 2	- 3	- 2	- 2	- 1	+ 1	+ 3	+ 4	+4	+ 5	+ 5	+ 4	+ 3	+ 1	0	- 2	- 4	- 3	- 2	- 1	652			
29	- 1	- 2	- 2	- 4	- 6	- 5	- 3	- 2	0	- 1	0	+ 3	+ 5	+ 6	+ 6	+ 6	+ 6	+ 4	+ 2	- 2	- 4	- 4	- 3	- 4	651			
30	0	0	0	- 1	- 1	+ 1	+ 1	- 1	- 1	- 1	- 1	+ 2	+ 2	+ 3	+ 5	+ 7	+ 7	+ 7	+ 5	+ 2	- 4	- 4	- 8	- 9	-10	648		
31																												
MEAN.	- 5	- 5	- 5	- 3	- 2	- 2	- 1	- 1	0	0	+ 1	+ 2	+ 2	+ 3	+ 4	+ 5	+ 5	+ 5	+ 5	+ 2	0	- 2	- 4	- 5	651			

[illegible] 39—17185

VERTICAL INTENSITY

G.M.T. (Z = 20000γ + Mean + ...) October 1944

DAY.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H. M. γ	Minimum. H. M. γ	Range.
1	- 9	- 6	- 4	- 3	- 3	- 1	- 1	- 1	- 1	0	+ 1	+ 3	+ 4	+ 4	+ 5	+ 5	+ 5	+ 4	+ 3	+ 1	- 2	- 5	- 5	- 3	652			
2	- 2	0	+ 2	+ 2	0	0	- 2	- 2	- 2	- 3	- 2	- 2	+ 1	+ 2	+ 3	+ 4	+ 5	+ 6	+ 6	+ 2	- 1	- 4	- 9	-10	653			
3	- 9	- 9	- 6	- 4	- 4	- 1	+ 2	+ 3	+ 1	+ 3	+ 3	+ 4	+ 5	+ 5	+ 7	+ 8	+ 9	+ 9	+ 7	+ 3	- 4	-10	-13	-11	648			
4	-12	- 7	- 5	- 5	- 3	0	+ 1	+ 1	+ 2	+ 2	+ 2	+ 2	+ 2	+ 3	+ 4	+ 5	+ 6	+ 6	+ 5	+ 1	- 1	- 3	- 5	- 4	650			
5	- 5	-11	-16	-15	-10	- 5	- 3	- 1	+ 1	+ 1	+ 2	+ 2	+ 2	+ 3	+ 4	+ 6	+ 7	+ 7	+ 8	+ 7	+ 7	+ 6	+ 4	+ 3	648			
6	- 5	- 7	- 6	- 6	- 5	- 3	- 2	0	+ 1	+ 1	+ 1	0	+ 1	+ 1	+ 2	+ 4	+ 5	+ 6	+ 5	+ 1	+ 1	+ 1	0	- 1	650			
7																												
8																												
9																												
10	- 1	- 1	- 2	- 2	- 2	- 2	- 3	- 3	- 3	- 1	0	+ 1	+ 1	+ 2	+ 3	+ 3	+ 2	+ 2	+ 1	- 2	- 2	- 2	+ 1	+ 5	652			
11	0	- 4	- 5	- 6	- 5	- 4	- 1	0	+ 1	+ 2	+ 4	+ 4	+ 4	+ 4	+ 6	+ 2	- 1	- 2	- 1	- 2	- 4	- 4	0	+ 2	655			
12	0	- 2	- 2	0	0	- 1	- 1	- 2	- 1	0	0	+ 2	+ 3	+ 3	+ 3	+ 2	+ 2	+ 1	- 2	- 4	- 3	- 3	- 1	+ 3	659			
13	+ 4	+ 3	+ 3	+ 3	+ 1	+ 1	+ 1	0	0	+ 1	+ 1	+ 3	+ 3	+ 3	+ 3	+ 3	+ 2	- 1	- 3	- 7	- 7	- 5	- 4	- 3	658			
14	+ 1	+ 2	0	- 2	- 2	- 1	0	0	- 2	- 2	+ 1	+ 1	+ 4	+ 4	+ 6	+ 6	+ 6	+ 4	+ 1	- 2	- 5	- 5	- 6	-10	655			
15																												
16																												
17																												
18	- 4	- 4	- 4	- 6	- 6	- 3	- 1	0	0	+ 1	+ 2	+ 3	+ 3	+ 4	+ 4	+ 6	+ 6	+ 4	+ 2	0	- 3	- 5	- 4	- 4	653			
19	- 4	- 3	- 4	- 4	- 4	- 3	0	+ 2	+ 2	+ 2	+ 2	+ 2	+ 3	+ 4	+ 4	+ 5	+ 6	+ 4	+ 4	+ 1	- 2	- 3	- 3	0	653			
20	- 2	- 4	- 6	- 7	- 6	- 5	- 1	- 1	- 1	- 3	- 2	- 1	- 1	0	+ 1	+ 2	+ 3	+ 3	+ 5	+ 4	+ 3	+ 3	+ 7	+ 9	656			
21																												
22																												
23																												
24																												
25																												
26	- 7	- 7	- 7	- 5	- 4	- 4	- 3	- 2	0	+ 3	+ 5	+ 5	+ 6	+ 6	+ 5	+ 5	+ 4	+ 3	+ 2	+ 2	+ 1	+ 1	- 1	- 4	648			
27	- 4	0	0	- 2	- 2	- 3	- 2	0	+ 1	+ 1	+ 3	+ 4	+ 5	+ 5	+ 4	+ 3	+ 2	+ 2	0	- 2	- 4	- 4	- 1	+ 2	649			
28	+ 1	- 1	- 4	- 5	- 4	- 2	0	- 1	0	+ 1	+ 1	+ 2	+ 4	+ 6	+ 7	+ 6	+ 4	+ 2	0	- 5	- 6	- 7	- 5	0	649			
29	+ 2	+ 1	+ 1	- 3	- 3	- 3	- 3	- 3	- 2	- 1	+ 1	+ 2	+ 6	+ 5	+ 7	+ 7	+ 5	+ 3	- 1	- 4	- 7	- 7	- 7	- 6	648			
30	- 3	0	- 1	- 2	- 2	- 2	- 1	- 1	- 2	- 1	+ 1	+ 3	+ 5	+ 7	+ 8	+ 8	+ 8	+ 5	- 1	- 5	- 8	- 6	- 2	0	648			
31	0	0	- 2	- 2	- 2	- 2	- 1	- 2	- 4	- 2	+ 1	+ 4	+ 6	+ 7	+ 9	+ 9	+ 8	+ 6	0	- 8	-11	-12	- 8	- 4	649			
MEAN.	- 3	- 3	- 3	- 4	- 3	- 2	- 1	- 1	0	0	+ 1	+ 2	+ 3	+ 4	+ 5	+ 5	+ 5	+ 4	+ 2	- 1	- 3	- 4	- 3	- 2	652			

200/1/41—14357]

VERTICAL INTENSITY

G.M.T. (Z = 20000γ + Mean + ...) NOVEMBER 1944

DAY.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H. M. γ	Minimum. H. M. γ	Range.
1	-2	0	0	0	+1	+1	+1	+1	0	0	-1	0	0	+3	+3	+6	+6	+4	+1	-3	-5	-4	-2	-2	650			
2	0	-1	-3	-3	-1	+1	+2	+2	+2	+1	0	+1	+2	+3	+4	+5	+5	+5	+3	-1	-4	-9	-9	-7	648			
3	-7	-6	-8	-6	-5	-4	-3	0	0	0	0	+1	+2	+1	+1	+1	+3	+3	+3	+1	+3	+3	+3	+4	647			
4	+2	-1	-1	-1	-1	-1	0	0	0	-1	-1	0	+2	+2	+2	+3	+5	+3	+2	0	0	0	-1	-4	648			
5	-6	-5	-2	-6	-7	-5	-3	-1	0	+1	+3	+4	+6	+4	+3	+4	+4	+4	+1	+3	+3	-2	-3	-6	647			
6	-10	-13	-16	-15	-12	-9	-4	-1	+5	+5	+6	+6	+5	+5	+6	+6	+6	+5	+5	+5	+5	+2	0	-1	651			
7	-2	-5	-8	-8	-7	-5	-4	-1	+1	+2	+2	+2	+2	+4	+3	+3	+2	+3	+3	+2	+1	+1	+4	+5	652			
8	+1	0	-2	-4	-5	-5	-3	-2	-2	-2	-2	-1	+2	+3	+3	+2	+2	+1	-1	-1	-1	-1	+2	+5	655			
9	+5	+2	-2	-3	-3	-1	-1	-1	-3	-1	+2	+2	+2	+3	+3	+3	+2	0	-1	0	0	0	0	-1	654			
10	-1	-3	-7	-8	-7	-3	-1	+4	+4	+4	+2	+2	+4	+2	+1	+1	+2	+3	-1	-2	-1	-1	+1	-1	652			
11	-2	-7	-10	-8	-5	-2	-1	+1	+2	+3	+4	+5	+7	+7	+7	+6	+5	+4	+4	+1	-1	-3	-2	-3	649			
12	-5	-5	-6	-6	-5	-3	-3	-2	-1	0	0	+1	+3	+3	+3	+3	+3	+1	0	0	0	+1	+3	+5	650			
13	+6	+6	+6	+5	+2	+2	0	0	0	0	+1	0	0	+2	+2	+2	+2	0	-2	-3	-5	-6	-6	-6	651			
14	-3	-2	-3	-3	-3	-3	-3	-3	-3	-2	-2	0	0	+1	+1	+1	+1	+2	+2	+3	+5	+6	+4	+3	650			
15	+3	+1	+1	+1	+1	+1	+3	+2	0	0	0	0	0	+1	+2	+3	+3	+3	+1	-1	-3	-3	-3	-3	-2	650			
16	-1	-2	-3	-5	-5	-3	-2	-2	-3	-2	-1	0	+1	+3	+3	+4	+6	+5	+3	+1	-1	-1	0	+3	650			
17	+4	+4	+4	+2	+1	+1	+1	-1	-1	-1	-2	-1	+1	+1	+2	+3	+3	+1	-1	-2	-4	-3	-2	-2	652			
18																												
19	0	-4	-2	-3	-4	-2	-2	-2	-1	0	0	+1	+1	+1	+2	+4	+5	+5	+4	+1	-2	-1	+2	+5	649			
20	+1	-2	-4	-4	-2	-4	-3	-2	-2	-2	0	+1	-1	+2	+1	-1	+1	+4	+4	-1	-2	+1	+2	+2	652			
21	+1	0	0	0	+1	+2	+3	+2	+1	+1	+1	0	0	0	0	+1	+1	+3	+1	0	-3	-3	-2	0	653			
22	+3	+3	0	0	-2	-1	0	0	0	0	+1	+1	+1	0	0	0	+1	+1	0	-2	-5	-4	-3	-3	653			
23	-1	-2	-5	-8	-7	-4	-2	-1	+1	+1	+2	+3	+4	+4	+4	+4	+4	+4	+3	+3	+1	-1	+2	+2	649			
24	0	0	-2	-4	-3	-5	-3	-2	0	+1	+3	+3	+3	+3	+1	+1	+1	+1	0	0	0	+1	+4	+7	650			
25	+7	+4	+1	-5	-7	-5	-4	-2	-1	+1	+1	+2	+2	+2	+2	+1	+1	-1	-2	-4	-2	-1	+1	+3	652			
26	+1	-6	-9	-8	-8	-6	-4	-2	0	+1	+3	+4	+6	+5	+5	+4	+3	+3	+1	-2	-4	-4	+1	+7	650			
27	+6	+5	+4	0	-2	-2	-3	-2	-2	-1	+1	+2	+2	+2	+2	+2	+1	-1	-2	-4	-7	-5	-2	-4	655			
28	+2	-2	-4	-6	-6	-5	-4	-2	-1	+1	+2	+2	+3	+4	+5	+6	+6	+5	+3	+1	-1	-1	-3	-3	649			
29	-2	+1	+1	0	-2	-3	-2	-2	-2	-3	-2	0	+1	+2	+3	+4	+4	+4	+3	+1	-2	-3	-2	-3	650			
30	-2	-3	-3	-3	-2	0	0	0	0	0	0	0	+2	+4	+6	+6	+7	+6	+3	+1	-2	-6	-6	-6	647			
31																												
MEAN.	0	-1	-3	-4	-4	-2	-2	-1	0	0	+1	+1	+2	+3	+3	+3	+3	+3	+1	0	-1	-2	-1	0	651			

200/1/41—14357

VERTICAL INTENSITY

(Z = 20000γ + Mean + ...)

G.M.T.

December 1944.

DAY.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.	Maximum. H. M. γ	Minimum. H. M. γ	Range.
1	-6	-3	-1	0	-1	-1	0	0	0	0	0	0	-1	0	+1	+3	+6	+6	+5	+3	+2	-1	-2	-1	650			
2	-2	-2	-2	-2	-2	-2	0	+1	-1	-3	-3	-2	+1	+2	+3	+4	+4	+4	0	-3	-3	+2	+7	+9	652			
3	+6	+4	+1	-2	-2	-1	-1	0	0	-1	0	-2	-2	0	0	-2	-1	0	-1	-3	-3	-4	-1	+3	655			
4	+7	+8	+3	+2	+2	+1	+1	0	0	0	0	-1	-2	-3	-3	-1	-1	-2	-3	-3	-3	-4	-3	+1	656			
5	+3	+3	+3	+2	+2	0	0	0	0	-1	-3	-3	-3	-3	-3	-3	-1	-1	-1	-1	0	0	-1	0	656			
6	+2	-2	-5	-4	-1	-1	0	+1	+1	+1	+1	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	+1	+2	+4	654			
7	+7	+4	+3	+1	+1	+1	+1	+1	+1	+2	+3	+3	+3	+1	+1	+1	+1	+1	0	-5	-11	-13	-11	-5	652			
8	0	0	-1	-4	-3	-3	-1	-1	0	+2	+3	+2	+2	+2	+2	+2	+2	+2	0	-1	-1	-1	0	+4	650			
9	+5	+4	+1	-2	-5	-4	-2	0	+1	+2	+2	+2	+2	+2	+2	+2	+2	+1	-1	-2	-2	-2	-4	-3	651			
10	-1	-2	-5	-7	-5	-5	-3	-3	-1	+1	+1	+1	+1	+1	+1	+3	+2	+3	+4	+3	+1	+2	+6	+10	652			
11	+6	+4	0	-2	-2	-2	0	0	0	0	+1	+2	+2	+3	+2	+2	0	0	-1	-3	-6	-6	-1	-1	653			
12	+2	+1	+1	-1	-1	0	0	+1	+2	+3	+2	+2	+3	+4	+4	+4	+4	+2	-2	-7	-8	-7	-6	-7	651			
13	-5	-1	+1	+1	0	-2	-3	-2	-2	-2	0	+1	+1	+3	+3	+3	+3	+3	+3	+1	-2	-2	-3	-5	652			
14	-8	-9	-8	-7	-9	-7	-4	-1	+2	+3	+5	+7	+8	+7	+7	+8	+6	+4	0	-3	-3	-1	+2	+3	650			
15	-2	-1	-1	-1	-1	-1	-2	-2	-2	0	-1	-1	-1	+1	+1	+2	+2	+2	+1	+1	+1	-1	-1	+2	654			
16	+10	+9	+2	+1	+1	+4	+2	+2	-2	-2	-2	-4	-8	-11	-1	-4	+1	+2	+1	-1	-2	-4	+4	+9	651			
17	-2	+1	-1	0	+4	+2	+3	+1	-2	-3	0	0	+1	+1	+4	+7	+6	+4	+4	-2	-5	-5	-6	-5	664			
18	-4	0	+1	+1	+4	+4	+2	+2	+4	+2	0	+1	+1	+1	+1	+2	+3	+3	+1	-2	-5	-5	-5	-7	663			
19	-6	-5	-6	-3	0	+1	+3	+3	+3	+3	+3	+4	+3	+3	+3	+4	+5	+3	+2	0	-3	-3	-3	-3	659			
20	-2	0	-2	-2	-3	-3	-2	+2	+3	+3	+3	+3	+1	+2	+2	+3	+4	+3	+1	+1	0	-2	-5	-6	658			
21	-10	-10	-9	-6	-4	-2	0	0	+2	+2	+2	+2	+2	+2	+2	+2	+2	+3	+2	+1	+2	+4	+6	+5	656			
22	0	-4	-4	-5	-4	-4	-1	+1	+2	+3	+4	+4	+4	+2	+1	+1	+1	+1	0	-2	-1	+1	+4	+5	657			
23	0	+2	+4	+1	-1	-2	-2	-1	0	+1	+1	+1	+1	0	0	-1	0	-1	-2	0	+1	+3	+3	+3	658			
24																												
25	0	-3	-4	-4	-3	-3	-3	-1	0	0	+2	+3	+3	+3	+3	+2	+1	0	-1	-1	0	+2	0	-1	656			
26	-2	-1	-2	-1	-1	-2	-4	-2	-2	-2	+1	+2	+2	+2	+2	+1	+1	-1	-4	-5	-4	+3	+10	+13	657			
27	+12	+9	0	-3	-3	-3	-6	-7	-7	-7	-5	-4	-3	-1	0	-3	+2	+1	0	0	+2	+6	+10	+10	656			
28	+6	+10	+5	+2	+2	+2	+2	0	-1	-1	-1	+1	+2	+3	+3	+3	+1	-1	-4	-7	-7	-5	-2	-1	663			
29	+1	+1	+1	+3	+3	+1	0	-3	-3	-2	-3	-3	-3	-3	-2	0	0	0	-4	-6	-2	+6	+9	+7	661			
30	+3	-1	-5	-3	+1	+1	0	-3	-2	-3	-3	-2	0	0	+1	+4	+5	+3	0	-2	-5	-2	+1	+4	658			
31	+6	+5	+3	0	0	0	0	+2	+2	0	0	0	-1	-1	0	+1	+2	+1	0	-3	-5	-3	0	+1	659			
MEAN.	+1	+1	-1	-2	-1	-1	-1	0	0	0	0	+1	+1	+1	+1	+2	+2	+1	0	-2	-2	-1	0	+2	656			

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Meteorological Report. 1944.

Notes on Observations and Instruments

The observations comprise eye observations of the meteorological elements and usual instruments; continuous autographic records of air temperature, pressure, humidity, rain fall, and the direction and velocity of the wind; registration of the duration of bright sunshine and general record of occasional phenomena.

The surface observations were made regularly at 1.0 a.m., 7.0 a.m., 9.0 a.m., noon, 1.0 p.m., 3.0 p.m., and 7.0 p.m. Only the 9.0 a.m., and 3.0 p.m. observations, which continue the series for climatological purposes, are published in this report. The noon readings were used mainly to provide an additional check on the self recording instruments while the observations at the four remaining times were for synoptic purposes.

Cloud.

The observations of cloud form were made in accordance with international classification, the abridged edition (1932) of the International Atlas being used as a guide. Some additions have been made to the usual abbreviations for cloud forms. Fractostratus and Fractocumulus have been entered as Fs and Fc respectively. Further the medium cloud sheet which sometimes has the appearances of Ac with parts like As. or As with parts like Ac, has been entered in the tables as Ac-As.

The cloud amount was found by estimating the proportion of the sky covered by cloud, the result being expressed in terms of the numerical scale ranging from 0, cloudless, to 10, completely covered. The symbol 9+ has been used to indicate that the sky was not completely covered but that the amount of cloud was more than 9/10. When computing monthly means of cloud 9+ has been counted as 10.

Weather and State of Sky.

The weather and the state of sky have been described by the use of the usual Beaufort letters. In addition a few other symbols have been used with the following meanings:

A capital letter indicates "intense".
The suffix $_o$ indicates "slight".
A letter repeated indicates "continuous".

The letter "i" indicates "intermittent"
The letter "j" indicates "within sight but notat station"
A line slightly inclined means "within the hour preceding the observation:" thus c/r = cloudy sky after rain which has fallen in the last hour.

When there are only small quantities of cloud or blue sky present, c is not used unless the sky is more than a quarter covered, and b unless there is more than a quarter of the sky free from cloud.

Visibility

The method of determining visibility is, as nearly as possible, in accordance with that described in the "Meteorological Observer's Handbook, 1939" (London), page 58. The observation of visibility consists of determining the most distant object of a selected series which is visible on any given occasion. Letters have been assigned to the objects and the appropriate letter is recorded at each observation. The reference objects are as follows:-

Indicn. Letter of Object	Description of object	Actual Distance	Standard Distance	Code Figure
D	Platform in lagoon	340 yds	220 yds	2
E	Lagoon House	540 yds	550 yds	3
F	Watson's Island	1040 yds	1100 yds	4
G	Pilot Station	1½ miles	1¼ miles	5
H	Tree on sky-line to west or Island huts to N.W.	2¾ miles 2 miles	2½ miles	6
J	House at Tapatapao	5¾ miles	6¼ miles	7
K	Saluafata Promontory or Mount Tofua	12½ miles 13 miles	12½ miles	8
M	Promontory of Savaii and Puga Hill	35 miles	31 miles	9

Suitable objects corresponding to I (4 miles) and L (18 miles) have not been chosen. When the observer estimates that one of these objects would be visible if it existed the corresponding letter is recorded. Conditions in Samoa are such that the necessity for objects closer than 220 yards does not arise.

Wind

The wind speed and direction have been measured as in former years by means of a Dines pressure tube

anemometer. The vane is at an elevation of 80 feet above the ground in order to avoid the sheltering influence of the trees. As a check on the instrumental recordings it has been customary for the observer to estimate the wind force and direction before reading the anemometer.

Pressure

The standard barometer in use is a Kew pattern station model instrument, G 3939. The corrections for temperature, gravity and reduction to mean sea level are made by means of a correction card which was computed at the Observatory. For the range of pressure recorded at Samoa the instrument has no index error. Temperature readings from the attached thermometer 51104 and pressure readings rounded off to the nearest ten millibars are used to enter the correction card. The standard temperature of the instrument is 284.9°a at 1000 mb.

A continuous record of pressure was obtained with Grand Model barograph No. 102030, which was made by Jules Richard of Paris. The barograms were scaled at exact hours of zone time, the readings being instantaneous values at these hours, and suitable corrections were applied. The corrections were known at the times of the control readings, (seven per day) and it was assumed that the change in the correction was linear during the intervals between control readings.

Temperature

The standard thermometer, Fuess No. 652, the maximum and minimum as well as the wet and dry bulb thermometers are exposed in a Stevenson screen which differs from the standard pattern. The screen, which has been in use for many years, has additional protection in the form of a thatched shelter and two louvered walls.

The minimum temperature on the grass was recorded by a spirit thermometer, set on two small wooden pegs, with its bulb at a height of one or two inches above the ground. This thermometer is read at 9.0 a.m. and set in the early evening. The maximum and minimum thermometers are read and set at 9.0 a.m. each day. The entries in the tables of this report are made in such a way that readings at 9.0 a.m. of maximum temperature are credited to the preceding day while minimum readings are entered to the day on which they are read.

The thermograph was exposed in a Stevenson screen

of approved pattern. The thermograms were scaled at exact hours of zone time and corrections were applied in the same manner as for pressure. The charts are changed once a week.

Humidity.

The humidity of the air has been derived from the readings of the wet and dry bulb thermometers using tables which were computed at the Apia Observatory. The tables are based on the formula used by the British Meteorological Office, which, converted to degrees centigrade, is:-

$$x = f - 0.000799\ (t-t')p$$

where

x = vapour pressure corresponding with given readings of dry and wet bulb thermometers.
f = saturation vapour pressure at the temperature of the wet bulb. (obtained from the 5th revised edition of the Smithsonian Meteorological Tables).
t = temperature of the dry bulb in degrees centigrade.
t'= temperature of the wet bulb in degrees centigrade.
p = pressure of the air.

The tables were based on a pressure of 1010 millibars so the formula reduced to :-

$$x = f - 0.807(t-t').$$

A continuous record of humidity has also been obtained by means of a hair hygrograph which is exposed in a Stevenson screen of approved pattern together with the thermograph. The chart is changed once a week and instantaneous values are read from the chart at exact even hours of Zone Time. Corrections to the hygrograph readings were applied only when they were different from those given by the wet and dry bulb thermometers by more than five per cent.

Rain.

A self recording rain gauge, Dines tilting syphon pattern (M.O. 28/37), was in operation throughout the year. The diameter of the collecting rim is 11.31 inches and the height of the rim above the ground is 28 inches. The records of this gauge are controlled by means of the standard gauge.

The standard gauge, which was constructed by Fuess,

has a rim 15.95 centimetres in diameter. Its height above the ground is 65 centimetres (25⅝ inches). The rain collected in the inner vessel is measured each morning at 9.0 a.m. by means of a glass measuring cylinder, the readings being in millimetres. The rainfall measured at 9.0 a.m. is credited to the previous day in the tables.

Another gauge, of the pattern used by the Meteorological Office, London, is in use as a check on the older German gauges. The rim of this gauge, which is 5 inches in diameter, is at a height of one foot above the ground. Like the standard gauge, its capacity is not adequate for the torrential downpours of rain which sometimes occur in Samoa. In order to avoid loss of records on such occasions measurements are also obtained by a tropical Fuess rain-gauge which has a very large internal capacity. The standard and tropical gauges are of the Snowdon type in that they have not splayed bases like the pattern used by the Meteorological Office London.

The rain-gauges are placed in an open grass plot and are free from shielding.

Sunshine.

The sunshine recorder,M.O. 265, was mounted on a wooden platform near the sea. The exposure is good, there being no loss of record due to shielding apart from that which occurs when the sun is setting behind the low lying hills to the west. Since the sunshine is seldom, if ever, sufficiently intense to burn when the sun is so low in altitude, the loss may be considered negligible.

In one column of the table which occurs later the recorded sunshine has been expressed as a percentage of the possible duration of sunshine. In this computation the possible duration of sunshine is based on the intervals between sunrise and sunset during a year which is half way between two leap years.

Evaporation.

The instrument in use to measure evaporation is a Piche evaporimeter which is exposed in a small Stevenson screen. It consists of a graduated tube which is filled with water and hangs mouth downwards. Evaporation takes place from a small disc of absorbent paper which is clamped over the mouth of the tube and the fall of level of the water inside the tube is measured. The area effective for evaporation is approximately 12½ square centimetres.

The volume of water evaporated has been divided by the exposed area of the paper disc (1250 square millimetres) to give the equivalent depth of water evaporated and the depth has been entered in millimetres and tenths in the tables.

The amount of evaporation in 24 hours, ending at 9.0 a.m., has been credited to the preceding day.

Miscellaneous Notes.

Non-cyclic change

In the tables of diurnal changes of temperature and pressure the departures from the mean of the day have been adjusted for non-cyclic change. A short method of computing the correction has been employed. The value at midnight at the beginning of the month has been subtracted from the value at midnight at the end of the month and the difference has been divided by the number of days in the month. Necessary modifications were made when there were missing days. The number so obtained has been divided proportionately assuming that the non-cyclic change comes in at a uniform rate.

Time

The time standard, upon which all the meteorological tables that follow are based, is that of the meridian 165° west of Greenwich. (i.e. zone time, which is 11 hours slow on Greenwich time).

Seasons

In tables where seasonal means are given for the Wet and Dry Seasons the means have been derived from the following grouping of months:-

Wet Season - November 1943 to February 1944 (inclusive)

Dry Season - May 1944 to August 1944 (inclusive).

Normals.

The Normal values of temperature, pressure and rainfall are based on the period 1890 to 1935. Sunshine normals are based on twenty years as follows:- 1905, 1906,1917, 1919, 1924, 1925, to 1933 and 1935 to 1940.

Meteorological Instruments in use during 1944.

Anemometer: Dines pressure tube No. 233 supplied by R.W. Munro of London, 1933. The vane is 80 feet above the ground.

Barograph : Grand Model No. 102030 made by Jules Richard of Paris.

Barometers: (i) Kew pattern, station model, mercury barometer number G 3939.
(ii) Kew pattern, marine model, M.O. 2233 made by S. & A. Calderara.
(iii) Kew pattern, station model, by Fuess, No. 1469.

Evaporimeter: Piché

Hygrograph : Casella No. 1141 (m.o. 195/32).

Raingauges : (i) Casella No. 1593/32 M.O.
(ii) Fuess Standard gauge
(iii) Dines Tilting Syphon Rain-gauge M.O. 28/37
(iv) Tropical size gauge for exceptional precipitation.

Sunshine Recorder: Campbell Stokes pattern by J. Hicks, London M.O. 265/30; sphere M.O. 355/30.

Thermograph: Short and Mason No. 273.

Thermometers: Grass minimum Casella 61521/40.

(In screen):
Dry Bulb Calderara No. 34490.
Wet Bulb Calderara No. 34491.
Maximum Casella No. 17250.
Minimum Calderara No. 34686.

Synoptic Meteorology in the South West Pacific Region.

The Observatory carried out a programme of synoptic meteorology under the direction of the Director of Meteorological Services, Air Department, Wellington, New Zealand. The scope of this work was much the same as usual except for slight modifications necessary in view of war-time conditions.

NOTES ON THE WEATHER OF 1944 AT APIA OBSERVATORY

January.

From the 1st to the 12th the weather was mainly overcast and showery with several periods of steady rain. From the 13th to the 25th finer weather predominated after which heavy rain and high winds were associated with a deep depression which passed to the south.

Winds were mainly light and variable with north and north-easterly predominating but with frequent squalls from the north and north-west. During one of these on the 29th a gust of 48 m.p.h. was recorded from the NNW. The temperature varied from a minimum of 72.5° F on the 6th to a maximum of 90.1°F on the 19th.

The month was characterized by much activity on the inter-tropical front which lay mainly to the south leaving Samoa in the unstable equatorial air mass. On the 7th a low formed ower Fiji, deepening rapidly to 990 millibars and passing ESE. This brought in strong northerly to northwesterly winds at Apia and two inches of rain fell in three days.

The inter-tropical front began to move northwards about the 25th under the influence of a migratory anticyclone and on the 27th a cyclone developed north of Fiji. It deepened to 988 millibars and passed off to the south east as a result of which Apia recorded some ten inches of rain on the last five days of the month.

February

From the 1st to the 11th the weather was dull and windy with rainy conditions from the 6th to the 9th. The remainder of the month was mainly fine with occasional showers, particularly in the early morning.

The temperature and sunshine were close to the normal values for February but the rainfall total of 8.79 inches was over six inches below the normal value. This was due to the fact that although rain was recorded on twenty one days, the daily rainfall exceeded one inch on only one day, viz., the 9th. The temperature varied between limits of 86.9°F and 72.9°F reached on the 28th and 23rd respectively.

The synoptic charts for February showed little activity. The intertropical front lay south of Samoa from the 1st to the 5th with a shallow low remaining stationary over New Hebrides. This depression then deepened to 992 millibars and moved southeast. On the 9th the intertropical front moved northwards and frontolysed slowly bringing two days of bad weather to Apia. From then until the 27th Samoa lay mainly in the easterly gradient to the north of an intense anticyclone. On the 27th the high to the south weakened and a frontal zone of convergence brought rainy weather to Apia.

March

The weather for the first three weeks was mainly fine with frequent showers in the early morning, except for a dull period of rain and wind from the 14th to the 16th. The last week brought exceptionally good weather with no rain and very little cloud.

Once again the rainfall was below normal with a recorded total of 8.79 inches as compared with the normal value of 14.07 inches. The temperature reached a maximum of 87.8°F recorded on both the 9th and 19th and dropped to 73.4°F on the 25th. The sunshine total of 259 hours was some 40% above the normal figure of 195 hours.

For the first eight days of the month Samoa lay in a weak northerly gradient which brought in fairly unstable tropical air. On the 9th, a zone of convergence appeared to the north which later acquired frontal characteristics and moved slowly southwards, passing over Samoa between the 14th and 15th. A weak low appeared south of Funafuti on the 14th and after remaining stationary for three days passed south and deepened rapidly to 998 millibars taking on the aspect of a tropical cyclone. It then moved slowly south to the east of New Zealand and filled in near Chathams about the 24th. From then until the end of the month Apia was in a weak variable gradient north of the high pressure belt.

April

The first half of the month the weather was characterised by frequent showers, particularly at night with two days of dull rainy conditions on the 12th and 13th. The rest of the month was mainly fine with little rain except for heavy showers on the 20th and 29th.

The sunshine and pressure were close to the normal figures for April but the rainfall of 16.31 inches was some 6 inches higher than usual.

The wind during the day was mainly from an easterly quarter and a gust of 37 m.p.h. was recorded on the 3rd blowing from the southeast. The mean daily temperature of 80.13°F was 1°F higher than normal and a range of 17.5°F occurred between 71.6°F on the 27th and 89.1°F on the 6th.

April synoptic charts were marked by little frontal activity in the vicinity of Samoa. For the first ten days the inter-tropical front was weak and lay south of Samoa. An increase in intensity was followed by a slow movement northwards bringing bad weather at Apia on the 12th and 13th. From then on, Apia remained in a varying easterly gradient until the end of the month when a depression formed north of Fiji.

May

The weather was mainly fine with many clear days although occasional showers were reported in the late afternoons. Rain fell on the 3rd. and squalls were recorded on the 10th., 11th., 23rd. and 24th. Easterly winds were predominant throughout the month.

The rainfall of 4.55 inches was two inches below normal while the sunshine recorded was 242 hours as compared with the normal figure of 215 hours. The temperature varied from a maximum of 87.4°F on the 8th. and 21st to a minimum of 71.6°F recorded on the 30th., being generally higher than usual.

The weather maps showed little activity in the immediate neighbourhood most of the meridional fronts having frontolysed before reaching Samoa. On the 16th a depression formed over the New Hebrides, developing rapidly and passing south-west over Kermadecs. The cold front behind it passed Samoa on the 19th. bringing in light southerly winds at Apia. For the remainder of the month an easterly gradient north of the migratory anticyclones was the predominant feature of the map.

June

The first ten days were showery with daily building up of cumulonimbus over the island after which followed three weeks of typical dry season weather with moderate to fresh easterly winds and very little precipitation.

The rainfall of 3.53 inches was nearly two inches lower than normal and the fact that it was spread over twelve days indicates the showery nature of the fall. The sunshine total and mean temperature were both higher than their normal figures the latter by 1.4°F. The maximum temperature was reached on the 7th with a reading of 86.5°F while the minimum of 72.1°F occurred on the 26th.

At the beginning of the month a low formed north of Suva deepening rapidly to 990 mb. and passing off to the south west. The cold front passed Apia on the 3rd and the local conditions remained rather unsettled for nearly a week. This was followed by another moderate front on the 9th. bringing in 1.62 inches of rain in two days. From then until the end of the month little activity was shown in the local area.

July

The month was dry and sunny with moderate trade winds and with nine tenths of the rainfall recorded in the first six days. From July 7th to July 13th conditions were particularly pleasant due to a cool, dry, air mass from the south. The mean humidity on the 8th reached the extraordinarily low figure of 55%.

The highest temperature of 87.3°F was recorded on the 25th while the lowest was 68.2°F occurring on both the 10th and the 23rd. Winds were predominantly easterly and reached 42 m.p.h. from that direction on two separate occasions on the 30th.

The weak low centred near Santo moved ESE on July 1st, finalling filling in SE of Rarotonga a week later when a moderate anticyclone moved over Sunday Island. A well marked cold front passed over Samoa on July 7th bringing in a day of rain followed by southerly winds. These backed easterly with the movement of the controlling anticyclone until a sharp trough appeared passing on the 20th. The gradient remained weak until the 26th when a further anticyclone which reached 1036 millibars moved east from Sunday Island resulting in strong easterly winds in Apia.

August

August was dry and sunny with occasional showers occurring in the evening on 11 rain days. The last five days were rather unsettled and squalls were recorded on the 27th and 28th.

The temperature ranged from 69.8°F on the 21st to 86.4°F on the 14th while the mean of 78.95°F was nearly 1°F higher than the normal for August. The wind was most frequently from the east and a gust of 44 m.p.h. from the east occurred on the 27th on which day the mean wind speed was 21 m.p.h.

For the first half of the month the synoptic charts showed little activity, Samoa lying in a varying easterly gradient north of the migratory anticyclones. A weak front passed on August 10th bringing middle cloud but no precipitation. A low formed south of Fiji on the 12th and moved rapidly eastward, the associated cold front passing Samoa, on the 15th with 0.06" of rain and a short period of SE winds. On the 24th a depression formed W of Noumea and moved in SE direction giving rise to a northerly component of the winds near Samoa and generally more unstable conditions which continued until the end of the month.

<u>September</u>

The month was characterized by a daily building up of cloud over the island and frequent showers, particularly in the afternoons and evenings. As a result the total rainfall was three times the normal for the month. After the 20th there followed a week of stronger easterly winds than usual.

The highest temperature was 86.5°F recorded on the 12th, while the lowest was 72.7°F on the 6th. In a squall at 2.10 a.m. on the 6th a gust of 48 m.p.h. was noted from the NNE. The mean temperature was again 1°F above the normal figure.

The weather maps for September showed considerable frontal activity near Samoa. During the first week low pressure near N.Z. extending north gave unstable conditions ahead of it with a high rainfall record at Apia. On the 6th and 7th a trough line became stationary near Samoa with its axis almost E-W. A depression developed near Fiji on the 7th and moved ESE past Rarotonga. The associated cold front energized by a moderate anticyclone passed Samoa on the 9th with SE winds and showers. From the 12th to the 20th the gradient was weak with a col in the vicinity but a strong anticyclone then moved E preceded by a front which passed Samoa on the 23rd and soon became stationary. As the high broke down a depression appeared near Santo and the front recurved and returned over Samoa on the 28th. The easterly winds were unusually strong during the last ten days.

October

The month was mainly fine but with showery periods for the first and last six days. The rainfall was double the normal figure for October but the other elements were close to their normal values.

On the 15th the maximum temperature of 86.2°F was registered and the minimum of 68.2°F occurred on the 24th. On the 7th a squall was experienced with a gust to 43 m.p.h. from the ENE. Easterly winds prevailed throughout the month.

The first six days of October saw a series of depressions pass north of N.Z. with low index conditions there and associated instability near Samoa. In addition a frontal region appeared orientated NW to SE. Afther this until the 25th the weather was controlled by a series of anticyclones which continued until the 25th when the "graveyard" front became active and brought bad weather with widely distributed altostratus in a region extending from Samoa , Tokelaus to Rarotonga.

November

The month was cloudy, most of the days having less than 7 hours sunshine, but the rainfall of 5.98 inches was 4.52 inches less than normal.

The temperature ranged from 86.9°F on the 17th to 72.0°F on the 1st with a mean of 79.02°F. The wind reached 32 m.p.h. in a gust from the E on the 16th with a mean speed of 6.6 m.p.h. and predmoninantly from the E.

From the 1st to the 5th of November the pressure field near Samoa was weak and variable but on the 6th the temperate anticyclone strengthened and a steep easterly gradient was maintained until the 10th. At this time the intertropical front developed and lay E-W to the north of Samoa while a meridional front advanced from the south. Its passage on the 12th was followed by two days of unsettled weather before another anticyclone gained control. This broke down by the 18th and on the 19th a weak depression appeared near Samoa. Conditions remained unsettled until the end of the month when the "graveyard" front again became active over a wide area.

December

The month was decidedly more settled than is normal for December with less than half the usual rainfall and some 15% more sunshine. The worst period was ex-

perienced in the five days preceding Christmas.

The mean temperature was 79.4°F while extremes of 88.2°F and 71.2°F were recorded on the 8th and the 17th respectively. The wind was mainly from the east and a gust from NNW reached 33 m.p.h. on the 24th.

There was little large scale activity shown on the synoptic charts for December. On the 12th a shallow depression developed at Suwarrow and moved off rapidly to the SE resulting in a few days of southerly winds and showers. On the 20th the intertropical front showed well marked convergence and a belt of bad weather extending at least from Funafuti to Palmerston remained on the map for five days.

1,000/7/32—3911] APIA OBSERVATORY

METEOROLOGICAL OBSERVATIONS. 9 a.m. JANUARY 1944

Day of Month.	CLOUD. Form. Low.	Medium.	High.	Amount of Low.	Total Amount.	Height of Base.	How Height was obtained.	WEATHER. Since previous Observation.	At Time.	Visibility.	WIND. Direction.	Force (Beaufort Scale).	Barometer reduced to M.S.L. (Millibars).	TEMPERATURE AND HUMIDITY. Dry Bulb (°).	Wet Bulb (°).	Relative Humidity (%).	Vapour Pressure (Millibars).	UPPER CLOUD. Type observed.	Direction whence coming.	Speed ; Height Ratio.
1	Sc Cu	Ac As	Ci	2	8	2500		c	c	M	ESE	2	1006.3	28.0	25.2	79%	29.8			
2	Cu Sc	Ac As	Cs	5	9+	3500		ojprcpr	ucjpr	K	S	1	1006.2	26.0	24.4	87	29.3			
3	Cb Cu	Ac	-	4	9	2000		obcjpr	cr_o .	K	ENE	1	1007.5	27.7	24.3	74	27.7			
4	Cb St	As	-	1	10	3000		opr_or o	opr_o	K	CALM	0	1007.6	25.2	24.5	94	30.2			
5	Cb Fc	As Ac	-	4	10	1500		oRorro	oujpr	K	SE	2	1007.7	26.8	24.3	81	28.4			
6	Cu Sc	As Ac	-	7	9+	2500		orr o	cjpr	K	SE	2	1007.4	26.5	25.0	88	30.5			
7	Cu Sc	As Ac	-	5	9+	2500		o	cjpr	K	NNE	2	1008.5	28.1	25.2	78	29.7			
8	Cu Sc	As Ac	Ci	7	10	3000		cjpr	o	K	SE	2	1008.6	27.4	25.1	82	30.0			
9	Cu Fc	Ac	-	3	9	2000		o	c	M	ENE	3	1006.8	28.3	26.2	84	32.3			
10	Cu Sc	Ac As	-	4	9+	1500		coPR	cpr_o	H	SSW	3	1007.6	26.1	25.1	93	31.2			
11	Fs Ns	As	-	8	9+	1500		oprcprq	crr	H	NNW	6	1009.6	26.1	24.8	89	30.3			
12	Cb Sc	Ac As	Ci	7	8	2500		cjpr c	cpr_o	K	CALM	0	1011.2	27.5	25.0	81	29.7			
13	Cu Sc	As	Ci	3	6	3000		cjpr bc	bc	M	ESE	3	1012.0	28.7	25.4	76	29.8			
14	Cu	-	-	2	2	3500		bcpr bc	b	M	E	5	1010.5	28.5	24.1	68	26.5			
15	Cu	As	Ci	1	1	4000		bc b	b	M	E	2	1009.6	28.5	25.0	74	28.9			
16	Sc Cu	As Ac	-	3	8	3500		bc cr	c	M	CALM	0	1010.3	27.7	25.0	79	29.5			
17	Cu Sc	Ac	Ci	1	6	3000		cjprbc	bc	M	CALM	0	1010.7	28.8	25.5	76	30.0			
18	Cu	-	Ci	Tr.	9	4500		0	c	M	CALM	0	1010.7	28.2	25.8	82	31.3			
19	Sc Cu	Ac As	Ci	1	7	3000		cpr c	c	M	WSW	2	1007.7	28.2	25.8	82	31.3			
20	Cu Cb	-	Cs Ci	Tr.	9	3500		$bcpr_o$	c	M	WNW	3	1008.3	29.0	26.0	78	31.2			
21	Sc Cu	Ac	Ci	2	7	3000		co bc	bc	M	N	1	1008.3	28.7	25.9	79	31.2			
22	Sc Cu	As Ac	Ci	4	9+	2500		orr z o	/pr o	M	W	1	1009.7	26.8	25.0	87	30.3			
23	Cb Cu	As Ac	Ci Cs	Tr.	7	3500		c - o	c	M	CALM	0	1010.8	28.2	26.0	83	30.9			
24	Cu Cb	Ac	Ci	1	4	3000		c - o	bc	N	CALM	0	1009.2	28.5	26.1	82	31.9			
25	Cu Cb	Ac	Ci Cs	1	7	3000		t l o	bcjpr	M	CALM	0	1007.7	28.2	24.8	75	28.6			
26	Cu Cb	Ac	Cs Ci	3	6	3000		ojpr	bcjpr	M	CALM	0	1007.7	29.2	25.3	72	29.1			
27	Sc Cu	Ac As	Cs Ci	5	9+	3000		pr_o o	o	M	CALM	0	1009.1	27.4	25.1	82	29.9			
28	Fs Sc	As Ac	Cs Ci	4	10	2500		ojpr	ojpr	K	ESE	2	1007.5	27.6	25.5	84	31.0			
29	Fs	As	-	7	10	1000		orr q	$oqpr_o$	H	NNW	6	1005.6	27.0	25.1	85	30.4			
30	Fs	As	-	4	10	1000		qirRRo	oqir	H	NW	6	1006.2	27.1	25.0	83	30.0			
31	Fs	Ns	-	4	10	1000		oir	or_or_o	E	NW	3	1008.0	26.7	25.2	88	30.9			
Means	-	-	-	3.3	8.2	2700		-	-	-	-	1.9	1008.5	27.6	25.2	81	30.1			

APIA OBSERVATORY METEOROLOGICAL OBSERVATIONS. 3 p.m. JANUARY 1944.

Day of Month.	CLOUD. Form. Low.	Form. Medium.	Form. High.	Amount of Low.	Total Amount.	Height of Base.	How Height was obtained.	Weather. Since previous Observation.	Weather. At Time.	Visibility.	Wind. Direction.	Wind. Force (Beaufort Scale).	Barometer reduced to M.S.L. (Millibars).	Temperature and Humidity. Dry Bulb (°).	Wet Bulb (°).	Relative Humidity (%).	Vapour Pressure (Millibars).	Upper Cloud. Type observed.	Direction whence coming.	Speed : Height Ratio.
1	Sc Cu	Ac	Ci	5	9	2000		cjprpr$_o$	cjpr	K	E	4	1004.7	26.3	24.0	82%	28.0			
2	Sc Cu	As Ac	-	6	9+	3000		oqpRtc	cjpr	M	WNW	3	1004.7	27.6	24.8	79	29.1			
3	Sc Fs	As	-	5	10	1500		cr$_o$r$_o$	cr$_o$	K	NE	4	1005.3	25.8	24.6	90	30.0			
4	Sc Cu	As	-	4	10	1500		opr$_o$$_o$jr	or$_o$	K	N	3	1006.0	26.6	24.6	84	29.3			
5	Ns Fs	-	-	10	10	500		or	ORR	E	E	4	1006.4	25.8	24.2	87	28.9			
6	Cu Sc	As	-	5	10	2000		opr$_o$	o	K	NNE	4	1005.8	28.5	24.1	68	26.5			
7	Cu Sc	As Ac	-	4	10	2000		cjpr c	o	K	NNE	3	1006.9	28.7	25.2	74	29.2			
8	Cu Fc	As	Cs Ci	2	10	2000		ojpr	o	K	E	3	1006.3	28.6	25.5	77	30.2			
9	Cu	Ac	Cs Ci	3	9+	2000		cbcpr$_o$	c	M	NNW	2	1005.6	28.9	26.2	80	31.9			
10	Cb Sc	As	-	7	9+	1500		cpr	cpr$_o$	H	NW	4	1006.3	27.2	25.5	87	31.3			
11	Cb Sc	Ac As	-	5	9+	2500		crr	cjpr	K	W	2	1008.0	27.7	25.3	82	30.3			
12	Cb Sc	As Ac	Ci	3	9	2500		cjpr	cjpr	K	CALM	0	1009.5	28.4	25.3	77	29.8			
13	Cu	-	Ci	1	3	3500		bc	bc	M	E	3	1009.7	30.0	25.2	66	28.2			
14	Cu	-	-	3	3	3500		bc	bc	M	E	3	1008.3	29.9	25.0	66	27.7			
15	Cu	Ac	Ci	1	5	4000		bc	bc	M	NE	1	1007.6	29.6	25.0	67	28.0			
16	Cb Sc	As	-	9	9+	1500		c	cjpr	K	E	1	1008.4	29.3	25.4	72	29.3			
17	Sc Cb	Ac	Ci	6	9	2000		bc	cjpr	M	ENE	3	1009.3	29.9	27.1	80	33.6			
18	Sc Cu	Ac	Ci	8	8	2500		c	cjpr	H	WNW	1	1008.3	28.8	25.6	76	30.3			
19	Sc Cu	Ac	Ci	4	4	3000		cpr$_o$jpr	bc	K	SSE	2	1005.8	31.5	27.0	69	32.1			
20	Cb Cu	-	Ci Cs	2	9+	3500		cjpr	c	K	W	4	1005.8	30.5	26.2	70	30.6			
21	Fs Cu	As Ac	Ci	1	9+	2000		orrtrq	cjpr	K	WNW	4	1007.0	27.5	25.2	82	30.2			
22	Sc Cb	Ac	Ci	9	9+	3000		cpr c	cjpr	K	NW	2	1008.4	28.9	25.8	77	30.7			
23	Cu	Ac	Ci	2	9+	3000		cjpr	c	K	CALM	0	1008.5	29.2	26.2	78	31.6			
24	Fs Cu	As	Ci	6	9+	1500		bc	RRtl	K	SSW	5	1006.7	26.1	25.0	91	30.8			
25	Cu Sc	Ac	Cs Ci	4	7	3000		o t	bcjpr	M	ENE	1	1005.8	28.8	26.0	79	31.4			
26	Cu Cb	Ac	Cs Ci	5	9	3000		cjpr	cjpr	M	NNW	2	1005.9	29.7	26.1	74	30.9			
27	Cu Cb	Ac As	Cs Ci	1	8	3000		r$_o$ c	cjpr	K	NW	2	1007.4	28.4	25.2	75	29.4			
28	Fs	As	-	5	10	1000		rr o	rr o	H	N	2	1006.9	24.9	24.0	92	29.1			
29	Fs	As Ac	-	3	10	1000		qoir	qir	H	NNW	7	1002.8	25.9	24.6	89	29.9			
30	Fs Sc	As Ac	-	3	10	2500		oqir	ojpr	K	W	3	1005.2	26.5	24.9	87	30.2			
31	Sc Fs	Ns As	-	5	10	1500		oRr$_o$r$_o$q	or$_o$q	K	NW	4	1005.7	27.4	25.0	81	29.8			
Means	-	-	-	4.4	8.8	2300		-	-	-	-	2.8	1006.7	28.2	25.3	79	29.9			

METEOROLOGICAL OBSERVATIONS.

JANUARY 1944

Day of Month.	Thermometers. Maximum (°)	Minimum (°)	Grass Minimum (°)	Black Bulb in vacuo (°)	Rainfall (mm.)	Sunshine (hrs.)	Heat Integrator.	Evaporimeter.
1	29.2	23.8	22.8		8.5	3.6		1.4
2	28.1	23.7	22.7		7.4	0.9		1.7
3	26.8	24.1	22.5		21.6	1.3		0.7
4	27.3	23.6	-		47.3	0.0		0.6
5	27.0	23.6	-		105.7	0.0		0.2
6	28.5	22.5	21.7		Trace	0.2		2.7
7	29.4	24.7	23.4		-	2.4		2.4
8	28.9	24.9	23.5		-	0.6		1.8
9	29.4	24.6	22.9		4.3	3.6		2.3
10	29.3	25.3	24.1		25.6	0.6		1.8
11	28.7	25.2	23.1		4.2	1.2		1.6
12	28.9	24.2	23.7		Trace	4.5		1.6
13	30.2	24.4	22.2		0.5	11.7		2.7
14	30.2	24.9	23.0		-	12.2		3.0
15	29.9	23.2	21.2		2.3	12.1		2.2
16	29.8	24.6	23.3		3.0	5.7		1.4
17	30.0	24.2	22.8		2.1	8.0		1.8
18	30.0	23.9	22.7		4.1	8.0		2.2
19	32.3	26.1	24.1		Trace	9.2		1.8
20	32.0	24.5	22.7		-	9.5		3.0
21	29.4	25.4	23.8		16.8	4.9		1.2
22	29.8	24.5	23.8		-	0.3		1.6
23	30.0	24.9	23.3		Trace	8.8		1.4
24	30.1	24.8	22.9		21.0	6.9		1.1
25	30.5	23.6	22.8		-	6.9		1.8
26	30.1	24.2	22.7		8.5	3.0		2.6
27	30.1	24.7	23.4		8.7	6.3		1.2
28	30.1	24.2	23.3		81.8	1.0		-
29	28.2	23.3	22.4		46.0	0.0		0.5
30	27.9	24.9	23.4		16.2	0.0		1.8
31	26.9	24.8	23.4		91.0	0.3		0.6
Sum	-	-	-		526.6	133.7		50.7
Mean	29.3	24.4	23.0		-	4.3		1.6

1,000/7/32—3911] APIA OBSERVATORY

METEOROLOGICAL OBSERVATIONS. 9 a.m. FEBRUARY 1944.

Day of Month.	CLOUD. Form. Low.	Form. Medium.	Form. High.	Amount of Low.	Total Amount.	Height of Base.	How Height was obtained.	Weather. Since previous Observation.	Weather. At Time.	Visibility.	Wind. Direction.	Wind. Force (Beaufort Scale).	Barometer reduced to M.S.L. (Millibars).	Temperature and Humidity. Dry Bulb (°).	Wet Bulb (°).	Relative Humidity (%).	Vapour Pressure (Millibars).	Upper Cloud. Type observed.	Direction whence coming.	Speed; Height Ratio.
1	Fs	As	-	4	10	2000		oir q	or_or_o	J	SW	1	1009.7	24.2	23.5	94%	28.4			
2	Cu Fs	Ac	Ci	3	8	2000		o cjr	cjr	K	NW	4	1010.3	27.3	24.9	81	29.6			
3	Sc Cu	Ac	Ci	5	6	2500		$cbcpr_o$	bcjpr	K	NNW	3	1009.5	28.0	25.6	82	30.9			
4	Sc Cu	Ac	Ci	3	9	3000		bc c	c	M	SSW	1	1010.3	28.3	25.0	75	29.0			
5	Cu Cb	Ac As	Cs	4	9+	2500		coirq	cjr	K	WNW	5	1010.3	27.9	25.6	82	31.0			
6	Sc Cb	Ac As	Ci	7	9	3000		ocjprpr	c	K	WNW	5	1009.4	28.0	25.4	80	30.4			
7	Fs Sc	-	-	10	10	1500		opr_ooro	o	H	S	1	1009.0	25.1	24.4	94	30.0			
8	Sc Cu	As Ac	Ci	6	9	3000		$ojprpr_o$	o	K	SSE	1	1008.3	25.1	24.0	91	29.0			
9	Fs Sc	As Ac	-	5	10	3000		opr_or_o	o	H	CALM	0	1008.7	24.2	23.5	94	28.4			
10	Sc Cu	As Ac	-	1	10	3000		ooRo	ojpr	H	CALM	0	1011.5	24.3	23.5	93	28.3			
11	Cb Cu	Ac	Ci	1	10	3000		$obcpr_o$	o	M	CALM	0	1012.7	27.1	24.2	78	27.9			
12	Cu Sc	As Ac	Ci Cs	1	4	3000		circpr	bc	H	ESE	1	1012.7	26.8	26.0	82	31.7			
13	Cu	-	Ci	2	8	4000		bc	bc	M	ESE	4	1013.0	28.3	24.8	74	28.5			
14	Cu	Ac	Ci	1	4	3500		cbcpr	bc	M	ESE	3	1012.1	28.1	25.0	77	29.2			
15	Cu	Ac	Cs	2	3	3500		cbc	bc	M	S	1	1011.1	27.9	25.0	78	29.4			
16	Cu Cb	Ac	Cs Ci	1	4	3000		cjprpr	bcjpr	M	SSW	1	1009.5	26.6	24.3	82	28.5			
17	Cu	Ac	Cs Ci	1	3	3500		bc	bc	M	E	2	1008.9	28.1	24.2	71	27.1			
18	Cu Cb	As Ac	Cs Ci	2	9+	3000		bc c	cjpr	M	ENE	1	1009.3	28.2	25.0	76	29.1			
19	Sc Cu	As Ac	Cs Ci	2	9+	3500		crr	cjpr	M	SSW	1	1009.2	26.0	24.3	86	29.0			
20	Cu Cb	Ac	Ci	1	6	3500		cjpr	bc	K	ESE	1	1010.0	27.9	25.0	78	29.4			
21	Cb Sc	Ac As	Cs	Tr.	6	3000		opr	bcjpr	M	CALM	0	1010.6	26.0	25.2	93	31.4			
22	Cu Cb	Ac As	-	4	8	3000		cpr_o	cjpr	M	CALM	0	1012.1	27.0	24.9	84	29.8			
23	Sc Cu	As Ac	Cs	Tr.	7	4000		copr	bc	M	CALM	0	1011.3	26.2	24.0	83	28.1			
24	Sc Cu	Ac	Cs Ci	Tr.	9+	4000		cpr o	c	M	CALM	0	1010.1	27.6	24.6	77	28.5			
25	Cb Cu	Ac	Cs	2	9+	3000		cjpr	cjpr	M	ESE	2	1011.4	28.1	25.0	77	29.2			
26	Fs Sc	As	-	8	10	1500		crrqo	opr_o	H	SSE	4	1012.4	23.5	22.8	94	27.2			
27	Cb Sc	Ac	Ci	5	9	3000		opr_o	cjpr	K	SE	3	1010.9	27.7	25.9	86	32.0			
28	Cu	As	Ci Cs	1	4	3500		or_or_opr	bc	M	ESE	4	1009.9	28.2	26.0	83	31.9			
29	Sc Cu	-	-	8	8	2500		bc	cjpr	K	ESE	1	1009.5	26.7	24.8	85	29.8			
30																				
31																				
Means	-	-	-	2.8	7.8	3000		-	-	-	-	1.7	1010.5	26.8	24.8	83	29.4			

1,000/7/32—3911]

APIA OBSERVATORY — METEOROLOGICAL OBSERVATIONS. — 3 p.m. FEBRUARY 1944.

Day of Month.	CLOUD. Form. Low.	Form. Medium.	Form. High.	Amount of Low.	Total Amount.	Height of Base.	How Height was obtained.	Weather. Since previous Observation.	Weather. At Time.	Visibility.	Wind. Direction.	Wind. Force (Beaufort Scale).	Barometer reduced to M.S.L. (Millibars).	Temperature and Humidity. Dry Bulb (°).	Wet Bulb (°).	Relative Humidity (%).	Vapour Pressure (Millibars).	Upper Cloud. Type observed.	Direction whence coming.	Speed; Height Ratio.
1	Fs Sc	As	-	2	10	2500		or$_o$r$_o$	ojr	M	SW	1	1007.8	25.8	25.0	93	31.1			
2	Sc Cu	Ac	Ci	3	9	2500		bc$_o$c$_o$	c	K	NW	4	1007.9	28.7	26.0	80	31.5			
3	Cu Sc	Ac	Ci	4	7	2500		cjpr bc	bc	M	NW	1	1007.3	28.6	25.0	74	28.8			
4	Cu Cb	As Ac	Ci	4	9+	2500		cjpr	cjpr	M	NNW	4	1008.0	28.5	25.8	80	31.1			
5	Sc Cb	As Ac	-	8	9+	1500		cjpr	cpr$_o$	K	WSW	1	1008.9	27.2	25.3	85	30.7			
6	Sc Cu	As Ac	Ci	4	10	4000		cpr$_o$	ojpr	K	W	4	1007.3	27.4	25.0	81	29.8			
7	Fs Sc	As Ac	-	8	10	1500		ojpr	ojpr	K	W	4	1007.2	26.0	24.3	86	29.0			
8	Ns Sc	As Ac	-	10	10	1500		ojpr	opr$_o$	H	E	5	1007.0	26.0	24.8	90	30.4			
9	Sc Cu	As Ac	-	8	10	3000		or$_o$jpr	ojpr	K	CALM	0	1007.6	26.5	24.2	82	28.4			
10	Cu Cb	As Ac	Ci	2	9+	3000		cjpr	cpr$_o$	M	ENE	1	1009.1	27.0	23.0	70	24.9			
11	Cu Sc	Ac As	Ci	3	8	3000		ocqpr$_o$c	c	M	E	2	1010.6	27.8	25.2	80	30.0			
12	Cu	-	Ci	1	5	4000		bc	bc	M	E	5	1009.6	30.1	26.4	74	31.5			
13	Cu	-	Ci	2	8	3500		bc c	c	M	E	3	1010.5	30.1	26.0	73	31.2			
14	Cu	Ac	Cs Ci	2	3	3500		bcjpr	bc	M	E	4	1008.4	29.8	26.5	75	31.7			
15	Fs Cb	As Ac	Cs Ci	3	9+	1000		cpr	cpr	K	SSW	2	1008.2	26.8	25.3	88	31.1			
16	Cb Sc	Ac	Cs Ci	8	8	1500		bcjpr t	cjr	K	SW	2	1007.6	25.2	24.1	91	29.2			
17	Cu Sc	Ac	Cs Ci	3	4	3000		bc	bc	M	ENE	3	1006.4	29.6	25.1	68	29.3			
18	Cu	Ac	Cs Ci	2	9+	3000		c	c	M	ENE	1	1006.4	28.9	24.8	70	28.0			
19	Cu	As Ac	-	2	9+	3000		cpr	c	M	NNW	1	1007.6	28.5	25.3	76	29.7			
20	Cu	As Ac	Cs	2	9+	3000		cpr$_o$c	c	M	SE	1	1008.4	26.7	24.8	85	29.8			
21	Fs Cu	As Ac	-	5	9	2500		bc t	cpr$_o$	K	NW	3	1007.8	27.8	24.8	77	28.9			
22	Cu	Ac As	Ci	2	8	3000		cjpr	c$_o$	M	NNW	1	1008.9	28.6	25.2	75	29.3			
23	Fs Cu	As	Ci	7	9+	3500		cjpr	cpr	M	S	2	1008.9	25.6	24.2	89	29.1			
24	Cu Sc	-	Cs Ci	2	9	3500		cjpr	c	M	CALM	0	1007.7	28.0	24.9	77	29.0			
25	Cb Cu	Ac As	Ci	3	9+	3000		cpr$_o$	cjpr	M	ESE	1	1009.5	29.0	26.4	81	32.4			
26	Sc Cu	Ac As	-	2	9+	3000		c	c	M	CALM	0	1009.3	28.1	24.5	73	27.9			
27	Cu Sc	As	-	1	10	3000		crr	o	K	CALM	0	1009.0	24.0	23.5	93	27.8			
28	Cu Sc	-	Ci	1	8	3500		bc	c	K	E	3	1007.3	30.0	26.0	72	30.4			
29	Cu Sc	As	Ci	2	5	3000		cjpr	bcjpr	M	NE	2	1006.7	28.7	25.8	78	30.9			
30																				
31																				
Means	-	-	-	3.7	8.7	2800		-	-	-	-	2.1	1008.2	27.8	25.1	80	29.8			

METEOROLOGICAL OBSERVATIONS.

FEBRUARY 1944.

Day of Month.	Thermometers.				Rainfall (mm.)	Sunshine (hrs.)	Heat Integrator.	Evaporimeter.
	Maximum (°)	Minimum (°)	Grass Minimum (°)	Black Bulb in vacuo (°)				
1	28.2	23.6	22.8		3.5	0.0		1.5
2	29.0	23.9	23.3		Trace	3.0		2.5
3	28.9	25.4	23.5		-	9.1		2.7
4	28.9	24.2	22.8		2.9	4.9		2.4
5	28.9	24.5	23.5		Trace	1.9		2.6
6	28.8	24.6	21.8		12.0	2.8		0.6
7	26.5	24.0	22.9		10.0	0.0		1.8
8	28.0	23.5	-		21.5	0.1		0.9
9	27.6	23.0	22.2		42.9	0.0		0.8
10	28.2	22.8	21.8		Trace	2.8		1.9
11	29.8	23.4	21.8		14.2	7.6		1.6
12	30.4	24.0	22.9		-	10.4		3.6
13	30.3	24.9	23.2		7.8	11.6		1.9
14	30.0	23.9	-		-	11.6		2.2
15	30.2	24.8	22.8		7.4	7.7		1.4
16	29.0	22.9	21.7		2.7	5.0		1.4
17	29.9	22.8	21.1		-	10.4		2.2
18	29.8	23.8	21.8		0.5	7.3		2.9
19	29.8	24.0	22.7		3.9	2.0		1.8
20	28.7	23.5	21.8		0.4	2.9		1.4
21	29.2	23.7	22.5		1.3	5.8		1.4
22	28.9	23.5	22.7		16.4	8.5		1.7
23	28.8	22.7	21.7		14.1	6.1		1.3
24	29.1	23.0	21.6		5.4	10.1		1.4
25	30.1	23.2	21.9		19.9	5.5		0.5
26	28.7	23.2	22.7		1.1	2.1		1.4
27	27.8	23.8	23.4		19.5	1.4		0.2
28	30.5	23.2	21.6		Trace	11.4		2.3
29	30.0	23.9	22.4		15.8	7.9		1.2
30								
31								
Sum	-	-	-		223.2	159.9		49.5
Mean	29.1	23.7	22.4		-	5.5		1.7

1,000/7/32—3911] APIA OBSERVATORY

METEOROLOGICAL OBSERVATIONS. 9 a.m. MARCH 1944.

Day of Month.	CLOUD. Form. Low.	Medium.	High.	Amount of Low.	Total Amount.	Height of Base.	How Height was obtained.	WEATHER. Since previous Observation.	At Time.	Visibility.	WIND. Direction.	Force (Beaufort Scale).	Barometer reduced to M.S.L. (Millibars).	TEMPERATURE AND HUMIDITY. Dry Bulb (°).	Wet Bulb (°).	Relative Humidity (%).	Vapour Pressure (Millibars).	UPPER CLOUD. Type observed.	Direction whence coming.	Speed; Height Ratio.
1	Cu Cb	-	Ci	1	3	6500		bc	bcjpr	M	E	2	1009.3	28.5	25.8	80%	31.1			
2	Cu	-	Ci	Tr.	8	4500		bcjprpr	c	M	ESE	2	1010.2	28.3	25.2	77	29.6			
3	Cu	-	Ci	4	7	3000		bc cpr	bc	M	ESE	4	1010.4	28.4	26.0	82	31.7			
4	Cb Cu	-	Ci	Tr.	1	5000		bccjpr	b	M	ESE	2	1010.4	28.6	25.5	77	30.2			
5	Cu Sc	-	Ci	4	4	3000		bccpr	bc	M	E	1	1010.2	28.6	25.8	79	31.0			
6	Cu	Ac	Ci	1	2	4000		bc	b	M	CALM	0	1009.9	28.7	25.4	76	29.8			
7	Cu Sc	Ac	Ci	1	1	4000		c	b	M	CALM	0	1010.5	29.0	25.1	72	28.7			
8	Cu Cb	Ac As	Ci	2	5	4000		ojpr	bcjpr	M	ESE	2	1013.0	27.1	24.1	77	27.6			
9	Cu Sc	Ac	Ci	9	9	3000		bc	cjpr	K	SSE	1	1012.9	27.8	25.1	80	29.7			
10	Cu	Ac As	Ci Cs	Tr.	9	5000		RRqopr$_o$	c	M	CALM	0	1013.4	28.1	25.0	77	29.2			
11	Cu	Ac	Ci	Tr.	4	6000		c	bc	M	CALM	0	1011.9	28.2	25.0	76	29.1			
12	Cu	Ac	Ci	1	1	3000		cjprbc	b	M	E	1	1012.0	28.6	25.0	74	28.8			
13	Cu	Ac	Ci	2	8	4000		obcjprc	c	M	CALM	0	1013.0	28.0	25.0	77	29.3			
14	St.	Ns	-	3	10	200		ojrqpr$_o$	oRq	D	ESE	2	1011.7	25.0	24.2	93	29.6			
15	Sc Cu	As Ac	-	3	9+	2500		crqprc	cjr	M	NE	3	1010.6	28.1	25.0	77	29.0			
16	Fs Sc	As	-	8	10	1000		oirq	or$_o$	J	NW	2	1009.9	26.0	24.9	91	30.6			
17	Cu Sc	Ac	Ci	6	9	2500		cir$_o$ q	cjpr	M	NNE	3	1010.1	28.2	25.0	76	29.1			
18	Sc Cu	Ac As	Cs	1	9+	3000		corqc	cjpr	M	SE	1	1010.9	26.0	23.3	79	26.5			
19	Sc Cu	As	Ci	5	9+	2500		cprqbcc	cjpr	M	ESE	4	1013.0	28.1	25.9	83	31.7			
20	Cu Sc	Ac	Ci	4	6	3000		bcpropr	bc	K	N	2	1013.0	28.3	25.4	78	30.1			
21	Sc Cu	Ac	Ci	4	6	3000		bcpr$_o$o	bc	K	ESE	3	1013.3	28.8	25.6	76	30.3			
22	Cu Sc	As Ac	Ci	4	7	3000		bc cpr$_o$	bc	M	CALM	0	1013.1	28.0	24.5	74	27.9			
23	Cu Sc	Ac	Ci	5	6	3000		obcpr$_o$	bc	M	CALM	0	1012.3	27.1	25.5	87	31.4			
24	Sc Cu	Ac	Ci	2	7	3000		bcpr$_o$ o	bc	M	CALM	0	1010.6	28.5	25.5	78	30.2			
25	Cu Cb	As Ac	Ci	3	9+	1500		oZtb&r$_o$	cjpr	M	CALM	0	1010.0	24.0	22.8	90	26.8			
26	Sc Cu	-	Ci	1	2	3000		bccpr b	b	M	E	1	1010.7	28.2	25.1	76	29.4			
27	Cu	Ac	Ci	1	2	3500		bc	b	M	CALM	0	1011.1	28.4	25.2	76	29.5			
28	Sc Cu	-	Ci	1	4	3000		bcbcbc	bc	M	S	1	1011.0	28.2	25.0	76	29.1			
29	Sc Cu	Ac	Ci	Tr.	6	3000		bcjprbc	bc	M	E	1	1011.0	28.5	25.0	74	28.9			
30	Sc Cu	-	Ci	Tr.	2	3000		bcjpr l	b	M	CALM	0	1011.1	28.6	24.8	72	28.3			
31	Cu	-	Ci	1	3	3000		bc b	bc	M	E	2	1009.7	29.0	25.4	74	29.6			
Means	-	-	-	2.5	5.9	3300		-	-	-	-	1.3	1011.3	27.9	25.0	79	29.5			

1,000/7/32—3911] APIA OBSERVATORY

METEOROLOGICAL OBSERVATIONS.

3 p.m. MARCH 1944.

Day of Month.	CLOUD. Form. Low.	Form. Medium.	Form. High.	Amount of Low.	Total Amount.	Height of Base.	How Height was obtained.	Weather. Since previous Observation.	Weather. At Time.	Visibility.	Wind. Direction.	Wind. Force (Beaufort Scale).	Barometer reduced to M.S.L. (Millibars).	Temperature and Humidity. Dry Bulb (°).	Wet Bulb (°).	Relative Humidity (%).	Vapour Pressure (Millibars).	Upper Cloud. Type observed.	Direction whence coming.	Speed; Height Ratio.
1	Cu Cb	Ac	Ci	3	5	3000		bc	bc	M	ENE	2	1007.2	29.2	25.8	75%	30.5			
2	Cu	-	Ci	1	5	4500		c	bc	M	E	2	1008.2	30.2	26.0	71	30.3			
3	Cu	Ac As	Ci	2	5	3000		bc	bc	M	E	3	1008.3	30.3	26.8	75	32.4			
4	Cu Cb	-	Ci	3	3	3000		b bc	bcjpr	M	ENE	3	1007.5	30.2	26.4	73	31.4			
5	Cu Sc	-	Ci	3	3	3000		bc pr	bcjpr	K	NE	1	1007.1	28.2	26.0	83	31.9			
6	Cu Cb	As Ac	Ci	7	9	3000		c	c	M	NNE	1	1007.5	30.1	26.5	75	31.7			
7	Cu Cb	Ac	Ci	4	5	3000		bc	bc	M	NE	2	1008.4	30.3	26.1	71	30.5			
8	Cu Sc	Ac	Ci	4	4	4000		cjpr	bc	M	E	2	1010.7	30.0	26.0	72	30.4			
9	Cu Sc	Ac As	Ci	5	9+	4000		cjpr	cjpr	M	E	1	1011.2	30.5	26.5	72	31.4			
10	Cb Cu	-	Ci	3	8	3000		cjprbc	c	N	E	1	1010.9	29.1	24.9	70	28.1			
11	Cu Cb	Ac	Ci	5	9	4000		bc	cjpr	M	CALM	0	1010.0	28.6	25.2	75	29.3			
12	Cu Sc	Ac	Ci	5	8	3000		b	c	M	NE	2	1010.3	29.5	25.9	74	30.6			
13	Cb Sc	As Ac	Ci	4	9+	3000		cpr t	cjpr	M	CALM	0	1011.0	26.0	24.1	85	28.5			
14	Fs Sc	As Ac	-	3	10	2000		or qr	or r	J	SE	2	1009.9	25.0	24.0	92	29.1			
15	Fs	As	-	3	10	1000		orq	or r	H	E	3	1009.4	24.8	23.9	92	29.0			
16	Sc Cu	Ac	Ci	7	9+	2000		ocirq	cjpr	M	NE	3	1008.3	26.7	24.4	82	28.7			
17	Sc Cu	Ac	Ci	4	8	2500		cjpr	cjpr	K	NNW	4	1008.1	28.9	25.7	76	30.5			
18	Cu Sc	Ac	Ci	4	9	2500		cjprbc	cjpr	K	E	2	1008.9	29.7	26.6	77	32.4			
19	Cu Cb	Ac	Ci	4	6	3000		cbcjpr	bcjpr	M	ESE	3	1009.5	29.4	26.3	77	31.8			
20	Cu Cb	Ac	-	6	7	3000		bcjprbc	bcjpr	K	E	2	1011.6	29.3	26.5	79	32.4			
21	Cu Cb	Ac	Ci	5	7	3000		bcpr	bcjpr	K	E	4	1010.6	29.8	26.7	77	32.6			
22	Cb Sc	Ac	Ci	4	9+	3000		cjpr	cjpr	M	E	5	1009.7	29.8	25.3	68	28.7			
23	Sc Cu	Ac	Ci	3	5	3000		bc	bc	M	E	2	1009.2	29.5	26.9	81	33.4			
24	Cu Sc	Ac	Ci	4	9+	3000		ojpr	cjpr	K	NNE	1	1007.8	29.4	26.0	75	30.9			
25	Sc Cu	Ac	Ci	4	6	3000		cjprbc	bc	M	NNW	2	1008.0	28.2	24.8	75	28.6			
26	Cu Cb	Ac	Ci	5	6	3000		b bc	bc	K	NNW	2	1008.6	29.2	25.2	71	28.9			
27	Sc Cu	Ac	Ci	4	4	3000		bc	bcjpr	M	NW	2	1008.9	29.0	25.6	75	30.1			
28	Cu Cb	Ac	Ci	2	4	3000		bc	bcjpr	M	NNW	1	1009.1	29.5	25.3	70	28.9			
29	Cu	-	Ci	1	5	3000		bc	bcjpr	M	NNE	1	1008.1	29.4	25.3	71	29.0			
30	Cu	-	Ci	1	2	4000		b	b	M	CALM	0	1008.0	30.0	25.5	68	29.0			
31	Cu	-	Ci	2	3	3000		bc	bc	M	ENE	2	1007.1	29.9	25.4	68	28.8			
Means	-	-	-	3.7	6.6	3000		-	-	-	-	2.0	1009.0	29.0	25.7	76	30.3			

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METEOROLOGICAL OBSERVATIONS.

MARCH 1944

Day of Month.	Thermometers. Maximum (°)	Minimum (°)	Grass Minimum (°)	Black Bulb in vacuo (°)	Rainfall (mm.)	Sunshine (hrs.)	Heat Integrator.	Evaporimeter.
1	30.0	24.4	23.2		6.2	10.8		2.0
2	30.4	24.1	22.7		4.0	11.3		1.9
3	30.3	25.0	23.8		5.7	10.9		2.1
4	30.8	25.0	23.2		1.6	10.7		1.8
5	30.0	24.5	23.2		0.9	9.5		1.9
6	30.1	24.0	22.8		-	9.6		1.8
7	30.1	24.2	-		-	10.5		2.2
8	30.3	24.0	-		0.8	7.2		2.0
9	31.0	24.5	23.0		57.2	8.6		1.4
10	30.0	23.4	21.9		-	7.4		2.0
11	29.5	23.9	22.7		-	7.3		1.8
12	30.0	23.8	23.1		-	8.0		1.9
13	30.0	23.6	23.1		17.3	4.5		1.4
14	28.7	24.8	23.9		31.0	0.7		1.1
15	29.7	23.9	23.3		33.6	2.4		0.6
16	28.3	23.2	21.8		4.2	3.0		1.8
17	29.2	24.8	23.9		11.3	8.2		1.5
18	30.3	23.4	22.2		Trace	8.2		2.0
19	31.0	24.6	23.0		6.0	9.7		2.8
20	30.2	25.3	23.9		23.7	8.3		2 8
21	30.5	24.3	22.6		7.5	8.2		1.0
22	30.6	24.0	24.6		0.7	6.9		2.2
23	30.1	24.2	24.1		0.3	7.7		1.8
24	30.0	24.0	24.6		11.3	7.1		1.7
25	28.9	23.0	24.0		Trace	7.1		1.8
26	29.7	23.5	23.9		-	11.2		1.8
27	29.8	24.0	22.9		-	10.9		3.2
28	30.0	23.7	22.3		-	10.1		2.1
29	30.3	24.0	22.1		-	11.1		2.4
30	30.2	23.9	22.3		-	11.3		2.3
31	30.8	23.7	21.9		-	10.8		2.3
Sum	-	-	-		223.3	259.2		59.4
Mean	30.0	24.1	23.1		-	8.4		1.9

1,000/7/32—3911] APIA OBSERVATORY

METEOROLOGICAL OBSERVATIONS. 9 a.m. APRIL 1944

Day of Month.	CLOUD. Form. Low.	Medium.	High.	Amount of Low.	Total Amount.	Height of Base.	How Height was obtained.	WEATHER. Since previous Observation.	At Time.	Visibility.	WIND. Direction.	Force (Beaufort Scale).	Barometer reduced to M.S.L. (Millibars).	TEMPERATURE AND HUMIDITY. Dry Bulb (°).	Wet Bulb (°).	Relative Humidity (%).	Vapour Pressure (Millibars).	UPPER CLOUD. Type observed.	Direction whence coming.	Speed ; Height Ratio.
1	Cb Cu	Ac	Ci	2	7	3000		bccpc	bcjpr	M	E	2	1010.0	28.0	25.2	79%	29.8			
2	Cu	-	Ci	1	8	3000		bcprqc	c	M	ESE	4	1011.2	29.0	26.0	78	31.2			
3	Cu Sc	-	Ci	2	3	3000		cjptPRq	bc	K	ESE	3	1011.8	29.2	26.5	80	32.5			
4	Cu Sc	Ac As	Ci	6	9+	3000		cpr$_o$qto	c	K	SE	3	1011.0	28.4	25.5	78	30.3			
5	Cu	As Ac	Ci	Tr.	10	4500		cqoprtd	o	M	CALM	0	1011.2	26.2	24.6	87	29.7			
6	Cu	Ac	Ci	2	5	2500		cjtlcpr	bc	M	E	4	1011.0	29.6	26.1	75	31.0			
7	Cu	As	-	1	10	4500		cjprprl	o	M	SSE	1	1012.2	26.3	24.3	84	28.8			
8	Cu	Ac	Ci	1	9	3500		cooR_o	c	M	ENE	2	1011.4	27.6	25.0	80	29.6			
9	Ns	-	-	10	10	1000		bcojprq	oprq	H	SE	4	1010.9	24.8	24.2	95	29.7			
10	Cu Cb	As Ac	Ci	2	9	3000		bccpr	cjpr	M	NNW	1	1008.5	27.3	25.0	82	29.8			
11	Cu Sc	Ac	Ci	4	4	3000		oRRpr$_o$c	bc	K	ESE	1	1008.5	26.5	23.9	80	27.6			
12	Cu Sc	Ac	Ci	4	6	3000		c bc	bcjpr	K	E	2	1009.1	27.8	25.0	79	29.4			
13	Sc Cu	Ac	Ci	2	7	3000		oprojpr	bc	M	W	1	1009.3	27.0	24.5	81	28.8			
14	Cu Sc	Ac As	Ci	4	8	3000		orrlprc	c	M	W	1	1009.6	27.2	25.1	91	33.0			
15	Cu Cb	Ac	Ci	Tr.	1	2500		bc	b	M	NW	1	1009.9	28.0	25.0	77	29.3			
16	Cu	-	Ci	Tr.	1	3000		b	b	M	ESE	1	1010.0	28.0	24.2	72	27.2			
17	Cu	-	Ci	1	6	3000		bcprcbc	bc	M	ESE	1	1010.4	28.0	24.8	76	28.7			
18	Cu	Ac As	Ci	2	10	3000		ojpr	o	M	ESE	1	1011.1	28.1	25.9	83	31.7			
19	Cb Sc	Ac As	Cs	6	9+	2000		corqc	cjr/r	K	CALM	0	1010.8	26.7	25.1	87	30.6			
20	Sc Cu	As Ac		2	10	2500		corqc	cjr	M	SSE	1	1012.5	26.5	25.3	90	31.3			
21	Cu	Ac	Ci	1	2	4500		oRRcbc	b	M	SE	1	1011.9	28.1	25.0	77	29.2			
22	Cu	Ac	Ci	Tr.	2	5000		bcjpr b	b	M	CALM	0	1012.0	28.4	25.3	77	29.8			
23	Cu Sc	-	Ci	1	4	3000		bcjpr	bc	M	ESE	1	1013.4	29.1	25.4	73	29.5			
24	Cu Sc	Ac As	Ci	4	6	3000		bc b bc	bc	M	E	3	1013.1	29.5	26.0	75	30.8			
25	Cu Sc	-	Ci	3	4	3000		cob bc	bc	M	E	1	1013.0	27.8	23.6	69	25.8			
26	Cu	As	Ci	Tr.	7	3000		bc o bc	bc	M	E	1	1012.0	27.2	23.0	68	24.7			
27	Cu	Ac	Ci	Tr.	6	3000		bc b bc	bc	M	ESE	1	1011.9	27.5	23.6	71	26.1			
28	Cu	Ac As	Ci	Tr.	9	3000		bc o co	c	M	CALM	0	1011.8	26.6	23.8	78	27.3			
29	Cu Cb	Ac As	Ci	4	7	3000		obcpr$_o$	bcjpr	H	ESE	2	1011.2	27.9	25.5	82	30.7			
30	Ns	-	-	10	10	1500		or$_o$corr	orr	H	ESE	1	1012.1	23.2	22.8	89	26.7			
31																				
Means	-	-	-	2.5	6.7	3100		-	-	-	-	1.5	1011.1	27.5	24.8	80	29.3			

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METEOROLOGICAL OBSERVATIONS.

3 p.m. APRIL 1944

Day of Month.	CLOUD. Form. Low.	Medium.	High.	Amount of Low.	Total Amount.	Height of Base.	How Height was obtained.	WEATHER. Since previous Observation.	At Time.	Visibility.	WIND. Direction.	Force (Beaufort Scale).	Barometer reduced to M.S.L. (Millibars).	TEMPERATURE AND HUMIDITY. Dry Bulb (°).	Wet Bulb (°).	Relative Humidity (%).	Vapour Pressure (Millibars).	UPPER CLOUD. Type observed.	Direction whence coming.	Speed; Height Ratio.
1	Cu Cb	Ac	Ci	2	5	3000		bcprq	bcjpr	M	SE	1	1007.2	29.2	26.0	77%	31.1			
2	Cu Cb	Ac	Ci	2	6	3000		cq c	bcjpr	M	ESE	4	1008.8	30.1	25.5	68	28.9			
3	Cu Sc	As	Ci	3	8	3000		bcjpr	cjpr	K	E	4	1009.4	30.0	26.9	78	33.0			
4	Cu Sc	Ac	Ci	4	9	3000		oprojpr	c q	K	ESE	5	1008.5	30.9	26.6	70	31.4			
5	Cu Cb	Ac	Ci	3	9	3000		c	cj t	M	E	4	1008.0	30.3	26.8	75	32.4			
6	Sc Cb	As	Ci	7	9	1500		bc	c/prq	K	ESE	3	1009.2	28.3	25.2	77	29.6			
7	Cu	Ac As	Ci	1	9	3500		o	c	M	ENE	2	1009.3	29.2	25.8	75	30.5			
8	Cu Cb	Ac	Ci	2	7	3500		c	bc	M	E	2	1008.7	28.4	25.4	78	30.1			
9	Cu	Ac	Ci	2	7	3000		o	bc	M	E	3	1007.3	29.8	26.3	75	31.4			
10	Cu Cb	Ac As	Ci	1	10	3000		cjpr	cjpr	M	ENE	3	1006.3	28.5	25.7	79	30.8			
11	Cu Sc	Ac	Ci	5	6	3000		bcjpr	bc	M	E	2	1006.6	30.0	26.0	72	30.4			
12	Cu Cb	Ac As	Ci	3	8	3000		c rr o	cjpr	K	ENE	1	1006.3	28.4	25.5	78	30.3			
13	Cu Cb	Ac	Ci	2	5	3000		bjpr	bcjpr	M	ENE	1	1007.6	29.0	25.4	74	29.6			
14	Cu Cb	Ac	Ci	1	1	3000		bc	bjpr	M	WNW	2	1007.0	29.0	25.9	77	30.9			
15	Cu Sc	Ac	Ci	2	2	2500		b	b	M	NNW	2	1007.2	29.0	25.5	74	29.8			
16	Cu Cb	Ac	Ci	2	3	2500		b	bcjpr	M	NNW	2	1006.9	28.7	24.5	69	27.4			
17	Cu Sc	Ac As	Ci	2	8	3000		bc c	c	M	NNE	1	1008.3	29.2	24.6	67	27.3			
18	Cu Cb	Ac	Ci	4	9	2500		cjpr	cjpr	M	NE	2	1008.8	28.9	26.0	79	31.3			
19	Fs Sc	As	-	6	10	1000		cir q	cjr	K	NNW	5	1009.0	26.0	24.9	91	30.6			
20	Fs	As	-	6	10	1000		c orq	orr	J	NNE	3	1010.4	26.0	25.0	92	30.9			
21	Sc Cu	Ac	Ci	3	5	3000		bbcjpr	bcjpr	M	NNE	1	1009.8	29.2	26.0	77	31.1			
22	Cb Cu	Ac	Ci	4	7	2500		bbcjpr	bc/pr	M	ESE	1	1010.0	29.4	25.3	71	29.0			
23	Cu Cb	Ac	Ci	2	5	3000		bc	bcjpr	M	E	2	1010.9	30.8	26.3	69	30.6			
24	Cu Cb	Ac	-	8	9	3000		bcpr$_o$	cjpr	M	E	2	1010.7	28.6	25.3	76	29.6			
25	Sc Cu	Ac	Ci	4	5	3000		bc	bc	K	E	5	1010.0	29.6	25.5	71	29.3			
26	Cu Sc	-	Ci	1	7	3000		bc	bc	M	E	5	1009.6	28.7	23.6	64	25.1			
27	Cu	Ac	Ci	2	5	3000		bc	bc	M	E	3	1009.2	29.2	25.0	70	28.3			
28	Cu	Ac	-	3	9	3000		c o	c	K	E	3	1009.0	29.3	25.4	72	29.3			
29	Sc Fs	Ac As	-	3	10	2000		c pr o	opr$_o$	H	CALM	0	1009.5	24.0	23.0	91	27.3			
30	Cu Sc	As	-	8	10	3000		orr o	ojpr	M	E	1	1008.5	26.2	24.4	86	29.1			
31																				
Means	-	-	-	3.3	7.1	2700		-	-	-	-	2.5	1008.6	28.8	25.4	76	29.9			

METEOROLOGICAL OBSERVATIONS.

APRIL 1944

Day of Month.	Thermometers. Maximum (°)	Minimum (°)	Grass Minimum (°)	Black Bulb in vacuo (°)	Rainfall (mm.)	Sunshine (hrs.)	Heat Integrator.	Evaporimeter.
1	31.2	24.7	23.0		4.4	9.9		3.0
2	31.3	24.4	22.3		14.0	10.7		2.6
3	31.1	24.9	23.1		19.0	8.8		2.1
4	31.0	24.2	23.2		5.4	7.2		2.0
5	30.6	23.8	23.6		1.7	4.9		2.0
6	31.7	24.3	23.1		23.7	8.0		0.9
7	30.0	23.8	22.7		17.7	2.6		1.6
8	30.4	23.6	22.7		4.8	6.6		1.7
9	30.2	24.0	23.1		0.5	5.0		1.7
10	29.8	24.1	23.1		23.9	3.4		1.4
11	29.9	24.1	22.8		17.3	7.8		1.6
12	29.4	23.2	21.7		46.8	5.2		0.7
13	29.5	23.5	22.8		121.4	9.4		0.7
14	29.4	23.4	22.8		-	10.0		1.5
15	29.7	23.9	22.5		-	11.2		1.8
16	29.3	22.7	20.5		0.4	11.0		2.2
17	29.8	23.6	22.2		-	8.3		1.8
18	29.4	25.8	23.9		9.0	2.0		1.8
19	28.0	25.6	23.8		13.1	0.5		0.6
20	28.7	24.8	23.8		29.9	0.1		0.8
21	29.9	24.0	22.4		-	10.5		1.8
22	30.4	24.5	-		Trace	11.5		2.1
23	31.3	24.2	23.0		-	8.9		2.3
24	30.8	24.6	23.3		0.3	5.5		2.1
25	30.2	23.2	21.6		-	8.2		2.9
26	29.8	23.3	20.0		-	10.7		3.4
27	30.3	22.0	20.0		-	9.3		2.6
28	30.4	23.1	21.1		Trace	3.9		1.9
29	28.8	24.7	22.7		48.6	3.4		2.0
30	28.2	22.8	22.7		12.5	0.3		0.6
31								
Sum	-	-	-		414.4	204.8		54.2
Mean	30.0	24.0	22.5		-	6.8		1.8

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APIA OBSERVATORY

METEOROLOGICAL OBSERVATIONS.

9 a.m. MAY 1944

Day of Month.	CLOUD. Form. Low.	Medium.	High.	Amount of Low.	Total Amount.	Height of Base.	How Height was obtained.	WEATHER. Since previous Observation.	At Time.	Visibility.	WIND. Direction.	Force (Beaufort Scale).	Barometer reduced to M.S.L. (Millibars).	TEMPERATURE AND HUMIDITY. Dry Bulb (°).	Wet Bulb (°).	Relative Humidity (%).	Vapour Pressure (Millibars).	UPPER CLOUD. Type observed.	Direction whence coming.	Speed; Height Ratio.
1	Cu Sc	-	Ci	2	3	3000		ojpr o	bc	M	CALM	0	1009.4	28.0	25.3	87%	32.9			
2	Cu Sc	As	Ci	4	9+	3000		c - o	o	M	CALM	0	1011.1	27.0	25.0	84	30.1			
3	Cu	As	Ci	1	7	3000		c - o	bc	M	CALM	0	1011.9	28.3	25.3	77	29.9			
4	Cu	Ac	Ci	1	2	3500		cproRRo	b	M	CALM	0	1012.7	27.6	25.3	82	30.4			
5	Cu	As Ac	Ci	Tr.	6	3500		cjpr	bc	M	CALM	0	1011.1	27.7	24.3	74	27.7			
6	Cu	As	Ci	Tr.	7	3500		cojrbc	bc	M	ESE	4	1011.5	26.2	23.0	75	25.5			
7	Cu	-	Ci	1	1	4500		bc	b	K	ESE	4	1012.9	28.1	24.2	71	27.1			
8	Cu	Ac	Ci	3	6	3500		bccprlt	bc	M	SSE	1	1013.3	28.2	26.1	84	32.1			
9	Cu Sc	-	Ci	4	4	3500		bc pr$_o$l	bcjpr	M	ESE	2	1012.6	27.6	25.0	80	29.7			
10	Cu	-	Ci	1	7	4000		bc	bc	M	ESE	2	1012.2	28.4	25.0	75	29.5			
11	Cu Cb	Ac	Ci	1	4	3500		bc	bc	M	CALM	0	1011.7	28.6	25.0	74	28.8			
12	Cu Cb	-	Ci	2	2	3000		bcjpr	b	M	E	3	1010.6	29.0	26.0	78	31.2			
13	Cu	Ac	Cs	Tr.	9+	3500		b bcpr$_o$	c	M	E	3	1010.5	27.6	24.6	77	28.5			
14	Cu	Ac	Ci	2	5	3000		cjprol^o	bc	M	ESE	2	1010.5	28.8	25.6	76	30.3			
15	Cu Sc	-	-	2	2	3000		b	b	M	ESE	3	1011.9	28.3	25.5	79	30.4			
16	Cu Sc	Ac As	Ci	2	9+	3000		o	c	M	ESE	3	1013.4	27.8	25.2	80	29.7			
17	Cu	Ac	Ci	Tr.	Tr.	3000		b	b	M	SE	1	1012.2	28.7	25.0	73	28.7			
18	Cu	Ac	Ci	Tr.	1	3000		b	b	M	CALM	0	1010.6	27.8	24.3	74	27.6			
19	Cb Sc	Ac	Ci	4	9	3000		opr	cjpr	M	CALM	0	1010.8	27.6	25.8	86	31.8			
20	Cu Sc	Ac As	Ci	6	10	3000		bc 8pr$_o$	cpr$_o$	K	SSW	1	1011.7	27.1	25.5	87	31.4			
21	Cu	Ac	Ci	Tr.	Tr.	3000		opr$_o$bc	b	M	CALM	0	1012.9	27.9	25.0	78	29.4			
22	Sc Cu	Ac	Ci	1	3	3000		bcjpr l	bc	M	CALM	0	1012.0	27.5	24.8	79	29.2			
23	Sc Cu	As Ac	Ci	3	9	2500		bbcjpr	cr$_o$tl	M	SW	1	1012.3	25.1	24.0	91	29.0			
24	Cb Sc	As Ac	-	5	9+	2500		corrtlc	cjr/pr	K	SW	2	1012.7	25.5	25.0	86	31.1			
25	Cu Sc	As Ac	-	6	8	2500		oRRtl	cjr	M	ESE	3	1013.2	26.1	24.1	84	28.4			
26	Cu Sc	Ac	Ci	2	8	3000		circjr	cjr	M	SSE	2	1013.4	26.3	24.8	88	30.1			
27	Cu Sc	Ac	Ci	Tr.	1	4000		c b	b	M	CALM	0	1013.7	27.1	23.9	75	27.1			
28	Cu	Ac	Ci	Tr.	2	4000		bc b	b	M	E	1	1014.2	27.2	24.2	77	27.8			
29	Cu Sc	As	-	Tr.	Tr.	3000		b	b	M	ESE	1	1013.8	26.6	23.6	77	27.0			
30	Cu	-	-	1	1	3000		bc	b	M	CALM	0	1012.7	26.5	24.0	80	27.8			
31	Cu Cb	Ac	Ci	1	2	3000		b bjpr	b	M	CALM	0	1011.2	27.1	23.4	72	25.8			
Means	-	-	-	1.8	4.8	3200		-	-	-	-	1.3	1012.1	27.5	24.8	79	29.2			

1,000/7/32—3911] APIA OBSERVATORY

METEOROLOGICAL OBSERVATIONS.

3 p.m. MAY 1944.

Day of Month.	Cloud. Form. Low.	Form. Medium.	Form. High.	Amount of Low.	Total Amount.	Height of Base.	How Height was obtained.	Weather. Since previous Observation.	Weather. At Time.	Visibility.	Wind. Direction.	Wind. Force (Beaufort Scale).	Barometer reduced to M.S.L. (Millibars).	Temperature and Humidity. Dry Bulb (°).	Wet Bulb (°).	Relative Humidity (%).	Vapour Pressure (Millibars).	Upper Cloud. Type observed.	Direction whence coming.	Speed : Height Ratio.
1	Cu Sc	Ac	Ci	1	9	3000		bc c	c	M	NNW	3	1007.2	28.7	25.2	74%	29.2			
2	Cu Fs	Ac	Ci	4	9	3000		c	cpr	K	WNW	1	1008.7	28.2	25.2	77	29.4			
3	Fs Cb	Ac	-	8	9	3000		bc c	cpr°	M	SSE	3	1009.1	28.0	25.2	79	29.8			
4	Fs Cb	As	-	6	9	2000		opr c	cjpr	M	ENE	2	1011.0	27.5	25.2	82	30.2			
5	Sc Cu	Ac	Ci	3	8	3500		bc	c	K	ENE	3	1008.8	29.6	25.5	71	29.3			
6	Cu	As Ac	Ci	Tr.	7	3000		bc	bc	M	E	3	1009.4	28.1	24.0	70	26.5			
7	Cu Sc	Ac	Ci	2	3	3500		b bc	bc	M	ENE	5	1009.2	29.7	26.2	75	31.2			
8	Cu Sc	Ac	Ci	4	6	3500		bc	bc	M	E	2	1010.2	30.0	26.5	75	31.8			
9	Cu Sc	Ac	Ci	4	4	3000		bc	bc	M	E	3	1009.5	29.1	26.1	78	31.4			
10	Cu	Ac	Ci	Tr.	3	3500		opr q	bc	M	ESE	2	1008.9	28.7	25.8	78	30.9			
11	Cu Cb	Ac	Ci	3	4	3000		b	bcjpr	M	E	5	1009.3	29.4	26.6	79	32.6			
12	Cb Cu	-	Ci	Tr.	Tr.	3000		b	b	M	E	4	1008.6	30.2	26.7	75	31.7			
13	Cu Sc	Ac	Ci	7	9+	3000		c q	cjpr	K	E	4	1008.3	28.0	25.2	79	29.8			
14	Sc Cu	Ac	Ci	6	8	3000		bcojpr	c	M	SE	2	1008.4	27.6	25.2	82	30.1			
15	Cu Cb	Ac	Ci	1	1	3000		b	b	M	E	5	1008.9	30.0	26.2	74	31.1			
16	Cu Cb	Ac	Ci	Tr.	6	3000		c	bc	M	ESE	5	1010.4	29.4	26.0	75	30.9			
17	Cu Cb	-	Ci	1	3	3000		b	bcjpr	M	E	4	1008.5	29.9	26.0	72	30.5			
18	Cu Sc	Ac	Ci	Tr.	Tr.	3000		b	b	M	E	4	1007.5	29.2	25.7	75	30.2			
19	Cu Sc	-	Ci Cs	Tr.	3	3000		bc	bc	M	NNE	1	1007.9	29.2	25.2	71	28.9			
20	Sc Cb	Ac As	Ci	3	10	3000		cjpropr	cjpr	M	CALM	0	1009.5	27.5	25.7	86	31.6			
21	Cu Sc	-	Ci	3	3	3000		b	bcjpr	M	ENE	2	1009.5	30.1	26.2	72	30.9			
22	Cu	Ac	Ci	1	1	3000		bcjpr b	b	M	ESE	5	1009.4	29.5	26.0	75	30.8			
23	Bc Cu	As Ac	Ci	3	9	2500		cpr.tlc	cjpr	M	WNW	2	1010.0	27.9	25.0	78	29.4			
24	Sc Cb	Ac	Ci	6	9	2500		cjr	cjr	K	ESE	4	1010.1	28.4	25.7	80	30.9			
25	Cu Sc	Ac	Ci	2	3	3500		corrcbc	bcjr	K	E	5	1010.4	29.0	26.0	78	31.2			
26	Sc Cu	As Ac	Ci	6	9+	2500		cjr	cjr	M	E	4	1011.1	28.9	25.8	77	30.7			
27	Cu Sc	Ac	-	2	7	3500		bjpr	bc	M	CALM	0	1011.0	29.6	25.2	69	28.5			
28	Cu Cb	Ac	Ci	1	1	3500		b	b	M	E	2	1011.4	29.5	25.2	69	28.6			
29	Cu	Ac	-	3	3	4000		b	bc	M	N	1	1011.2	28.6	24.0	67	26.1			
30	Cu Cb	-	-	2	2	3000		b	b	M	E	1	1009.8	29.3	25.2	71	28.8			
31	Cu	-	Ci	2	5	3000		b bc	bc	M	E	2	1008.5	29.4	26.0	75	30.9			
Means	-	-	-	2.7	5.3	3100		-	-	-	-	2.9	1009.4	29.0	25.6	75	30.1			

METEOROLOGICAL OBSERVATIONS.

MAY 1944

Day of Month.	Thermometers. Maximum (°)	Minimum (°)	Grass Minimum (°)	Black Bulb in vacuo (°)	Rainfall (mm.)	Sunshine (hrs.)	Heat Integrator.	Evaporimeter.
1	29.8	22.8	22.8		-	6.6		2.2
2	29.2	25.0	23.5		-	4.7		1.6
3	27.6	25.2	23.9		20.5	7.0		1.0
4	29.8	24.5	22.8		3.4	2.6		1.5
5	30.0	23.8	22.7		-	7.6		2.5
6	29.0	23.0	20.3		-	8.8		2.9
7	28.2	23.5	21.7		0.4	8.8		2.0
8	30.8	26.3	23.8		1.8	9.6		2.5
9	30.4	24.0	22.4		-	7.9		1.8
10	30.6	24.0	23.2		1.5	9.3		1.8
11	30.2	24.2	23.5		0.4	9.7		1.9
12	30.6	24.0	22.7		Trace	10.1		1.9
13	30.0	23.3	22.5		0.3	7.1		1.9
14	30.5	23.8	22.7		0.4	6.6		1.6
15	30.7	24.1	-		1.7	11.0		3.5
16	30.7	24.6	-		-	5.6		1.8
17	30.3	23.6	21.8		-	10.6		2.8
18	30.3	23.7	20.8		1.0	11.0		2.4
19	30.0	23.9	22.3		1.7	10.1		1.9
20	28.8	25.2	24.0		0.6	1.0		1.3
21	30.8	24.0	22.4		-	10.1		1.9
22	30.2	24.1	22.5		Trace	8.4		2.0
23	28.9	24.5	23.0		20.6	2.3		1.0
24	29.8	24.3	23.3		51.0	3.9		1.5
25	29.6	24.0	23.3		10.3	7.5		1.4
26	29.4	24.2	22.8		-	3.7		1.6
27	29.8	23.0	21.4		-	6.8		1.7
28	29.8	22.7	21.0		-	11.0		2.1
29	28.9	22.5	21.0		-	11.0		3.4
30	29.0	22.0	20.4		-	11.0		2.1
31	29.9	23.0	22.2		-	11.0		2.0
Sum	-	-	-		115.6	242.4		61.5
Mean	29.8	23.9	22.4		-	7.8		2.0

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APIA OBSERVATORY

METEOROLOGICAL OBSERVATIONS.

9 a.m. JUNE 1944

Day of Month.	Cloud. Form. Low.	Cloud. Form. Medium.	Cloud. Form. High.	Cloud. Amount of Low.	Cloud. Total Amount.	Cloud. Height of Base.	Cloud. How Height was obtained.	Weather. Since previous Observation.	Weather. At Time.	Visibility.	Wind. Direction.	Wind. Force (Beaufort Scale).	Barometer reduced to M.S.L. (Millibars).	Temperature and Humidity. Dry Bulb (°).	Temperature and Humidity. Wet Bulb (°).	Temperature and Humidity. Relative Humidity (%).	Temperature and Humidity. Vapour Pressure (Millibars).	Upper Cloud. Type observed.	Upper Cloud. Direction whence coming.	Upper Cloud. Speed : Height Ratio.
1	Cb Cu	As Ac	Ci	Tr.	3	3000		bcbcbc	bc	M	CALM	0	1010.7	27.5	24.2	75%	27.6			
2	Cu Ns	As Ac	-	7	10	3000		bcopr	ojpr	M	W	1	1012.3	26.2	23.4	78	26.5			
3	Sc Cb	Ac As	Ci	4	9	3000		bcpr o	cjpr	K	WSW	3	1012.6	26.5	24.1	81	28.1			
4	Cu	-	Ci	1	4	3000		cjprobc	bc	M	E	1	1012.8	27.3	24.3	77	28.0			
5	Cu Sc	As Ac	Ci	3	9	3000		oRRq c	cjpr	M	CALM	0	1013.7	26.6	25.3	89	31.2			
6	Cu Cb	Ac	Ci	3	4	4000		c bc	bcjpr	K	ESE	4	1011.2	28.2	25.6	80	30.2			
7	Cu	Ac	Ci	2	4	3500		bcpr bc	bc	K	ESE	3	1011.0	28.1	25.7	82	31.1			
8	Sc Cb	As	Ci	3	10	2500		crrlto	ojpr	M	ESE	3	1010.8	25.5	24.5	92	30.0			
9	Cb Sc	Ac	Ci	1	2	3500		opr bc	bcjpr	K	ESE	3	1012.1	27.9	25.2	79	29.9			
10	Fs Cu	As	-	4	10	2000		bcRRltq	orr	H	SSE	3	1014.6	24.1	23.6	97	28.8			
11	Cb Cu	-	-	Tr.	Tr.	6000		orr	b	M	CALM	0	1013.3	27.0	24.0	77	27.4			
12	Cu	Ac	Ci	Tr.	10	3000		bcjprbc	o	M	CALM	0	1013.5	28.7	25.6	77	30.3			
13	Cu	Ac	Ci	1	4	3500		c bc	bc	M	SE	1	1014.1	28.0	25.4	80	30.4			
14	Cu	As Ac	Ci	Tr.	9+	3000		o bc	c	K	ESE	4	1015.1	27.1	25.0	83	30.0			
15	Cu	Ac	Ci	Tr.	3	3500		c bc	bc	M	CALM	0	1013.6	26.6	24.0	80	27.8			
16	Cb Cu	Ac	Ci	Tr.	10	3500		b bc o	o	M	CALM	0	1013.1	27.1	24.5	80	28.7			
17	Cu	-	Ci	1	1	3000		cjprbc	b	M	SE	1	1011.2	28.0	25.1	78	29.5			
18	Cu	Ac	Ci	1	8	3500		bcprbc	c	K	ESE	3	1012.6	28.6	25.0	74	28.8			
19	Cb Cu	As Ac	Ci	Tr.	9	3000		b bc o	c	M	CALM	0	1012.6	27.3	25.0	82	29.8			
20	Sc Cu	Ac	Ci	1	1	3000		bc	b	M	CALM	0	1010.6	27.0	24.2	78	28.0			
21	Cu	Ac	-	1	1	3000		b	b	M	ESE	2	1010.4	26.8	23.8	77	27.1			
22	Cu	-	-	1	1	3000		oprbcb	b	M	CALM	0	1011.2	26.6	24.0	80	27.8			
23	Sc Cb	Ac	Ci	4	5	2500		b bc	bcjpr	K	CALM	0	1011.5	25.4	23.5	85	27.4			
24	Cu	Ac	Ci	Tr.	2	3000		bjprbcl	b	M	CALM	0	1011.2	27.3	24.8	81	29.3			
25	Cu	As	Cs	Tr.	10	3000		b bc	o	M	SW	1	1012.1	25.7	23.2	80	26.4			
26	Cu	-	Ci	2	5	3000		c bc	bc	M	ESE	3	1012.5	27.7	24.0	72	26.9			
27	Cb Sc	Ac	Ci	3	8	2500		bcpr c	cjr	M	E	4	1013.0	27.0	24.2	78	28.0			
28	Sc Cu	As Ac	-	4	9	2000		cir q	cpr	K	ESE	3	1011.2	26.9	25.1	86	30.4			
29	Cb Sc	Ac As	Ci	3	4	2500		bbcpr	bcjpr	M	SSW	1	1012.9	25.0	24.1	92	29.3			
30	Cu	-	Ci	Tr.	Tr.	4000		bc b w	b	M	CALM	0	1014.1	26.8	23.9	78	29.3			
31																				
Means	-	-	-	1.7	5.5	3100		-	-	-	-	1.5	1012.4	26.9	24.5	81	28.8			

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APIA OBSERVATORY

METEOROLOGICAL OBSERVATIONS. 3 p.m. JUNE 1944

Day of Month.	CLOUD. Form. Low.	Medium.	High.	Amount of Low.	Total Amount.	Height of Base.	How Height was obtained.	Weather. Since previous Observation.	At Time.	Visibility.	Wind. Direction.	Force (Beaufort Scale).	Barometer reduced to M.S.L. (Millibars).	Temperature and Humidity. Dry Bulb (°).	Wet Bulb (°).	Relative Humidity (%).	Vapour Pressure (Millibars).	Upper Cloud. Type observed.	Direction whence coming.	Speed; Height Ratio.
1	Cu Cb	As Ac	Ci	2	7	3000		bc	bc	M	CALM	0	1008.0	28.9	25.2	73%	29.1			
2	Sc Cu	Ac As	-	2	6	3000		o bc	bc	M	ENE	2	1009.0	28.1	24.2	71	27.1			
3	Fs Sc	Ac As	Ci	5	9+	2500		cjpr	c	M	ESE	2	1010.4	28.2	25.0	76	29.1			
4	Cu Sc	-	Ci	3	3	3000		bc	bc	M	E	2	1011.0	29.8	26.2	74	31.1			
5	Cu	As Ac	Ci	Tr.	0	3500		c	c	M	ESE	4	1010.0	28.1	25.0	77	29.2			
6	Cb Fs	-	Ci	5	6	3000		bc t	bcjpr	K	NE	3	1008.8	27.0	25.2	86	30.6			
7	Cu Cb	As Ac	Ci	2	9	2500		bc	cjpr	M	E	3	1008.4	29.2	26.3	79	31.9			
8	Fs Cu	As	-	4	9	2500		opr_o	cpr_o	H	ESE	3	1009.7	26.7	25.2	88	30.9			
9	Cu	-	Ci	1	1	3500		bc	b	K	ESE	4	1010.0	29.6	26.4	77	31.8			
10	Sc Cb	As Ac	-	1	9+	3000		orr	cjpr	K	ESE	4	1010.2	28.0	25.3	80	31.1			
11	Cu Cb	Ac	Ci	3	4	3000		bbcjpr	bcjpr	M	E	3	1010.7	29.0	26.0	78	31.2			
12	Sc Cu	Ac	Ci	3	8	3000		c	c	M	NE	2	1011.5	29.1	25.8	76	30.6			
13	Cu Cb	Ac	Ci Cs	1	10	3000		c	o	M	E	2	1011.8	30.0	26.0	72	30.4			
14	Cu	As Ac	Ci	1	9+	3000		c	c	M	E	2	1011.7	29.3	26.0	76	31.0			
15	Cu Cb	-	Ci	1	1	3000		b	b	M	NE	1	1010.2	28.9	25.4	74	29.7			
16	Sc Cu	-	Ci	3	7	1500		bcjpr	bcjpr	K	ENE	2	1010.6	28.8	25.7	77	30.5			
17	Cu Cb	Ac	Ci	3	4	3000		$bcpr_oc$	bc	M	E	4	1010.2	29.1	25.8	76	30.6			
18	Cu Cb	-	Ci	1	2	3000		cbcjpr	b	M	E	3	1010.2	29.8	26.1	73	30.9			
19	Cu	Ac As	Ci	Tr.	7	3000		c	bc	M	ESE	3	1010.9	29.3	26.0	76	31.0			
20	Cu	Ac	Ci	Tr.	Tr.	3000		bcjpr	b	M	E	5	1007.9	29.2	25.5	73	29.7			
21	Fs Cu	As	-	3	10	2500		b	opr	K	E	5	1008.1	26.4	25.0	89	30.6			
22	Cb Cu	-	Ci	Tr.	Tr.	3000		b	b	M	E	4	1008.9	29.5	26.0	75	30.8			
23	Cb Cu	Ac	Ci	Tr.	Tr.	3000		bcjpr	b	M	E	4	1008.4	29.3	26.0	76	31.0			
24	Cb Cu	Ac	Ci	Tr.	2	3000		b	b	M	E	5	1008.3	29.8	26.0	73	30.6			
25	Cu	-	Cs	Tr.	8	3000		o	c	M	E	5	1009.5	28.8	25.0	72	28.6			
26	Cu Sc	-	Ci	1	5	3500		bc	bc	M	ESE	4	1010.1	29.3	24.8	68	27.7			
27	Cu Sc	Ac	Ci	9	9+	2500		cpr q	cjr	K	E	5	1010.1	27.4	25.2	83	30.3			
28	Cu	Ac	Ci	2	2	3000		cpr bc	b	M	E	3	1008.0	29.3	25.4	72	29.3			
29	Cu	Ac	Ci	Tr.	4	3000		bc	bc	M	ESE	2	1009.4	29.0	25.9	77	30.9			
30	Cu	Ac	Ci	1	2	3000		b	b	M	E	4	1011.8	29.6	25.3	69	28.8			
31																				
Means	-	-	-	1.9	5.5	2900		-	-	-	-	3.2	1009.8	28.8	25.6	76	30.2			

METEOROLOGICAL OBSERVATIONS.

JUNE 1944

Day of Month.	Thermometers.				Rainfall (mm.)	Sunshine (hrs.)	Heat Integrator.	Evaporimeter.
	Maximum (°)	Minimum (°)	Grass Minimum (°)	Black Bulb in Vacuo (°)				
1	29.3	23.7	22.2		5.3	8.6		2.0
2	28.7	23.8	22.2		0.3	4.9		1.9
3	29.2	24.5	22.3		-	2.9		1.8
4	29.8	23.6	21.8		16.1	10.6		1.3
5	29.5	24.3	23.1		Trace	2.1		2.4
6	30.2	25.4	23.1		1.7	8.3		1.6
7	30.2	24.3	22.2		4.5	7.3		1.8
8	28.8	24.6	22.9		3.1	1.9		1.4
9	30.2	25.1	23.1		22.6	9.1		1.2
10	28.5	24.0	23.7		18.6	0.4		0.8
11	30.0	23.0	21.7		-	9.5		1.8
12	30.0	23.6	22.5		-	10.5		1.8
13	30.0	24.2	22.2		-	10.0		2.1
14	29.8	24.4	22.8		-	5.8		2.2
15	29.2	23.3	21.5		-	9.0		1.8
16	29.6	23.4	22.1		-	8.8		1.5
17	29.9	23.3	21.9		4.6	9.9		1.8
18	29.9	23.8	22.0		-	10.0		1.8
19	29.5	23.7	21.8		-	3.1		1.6
20	29.8	22.8	20.5		-	10.3		2.1
21	30.2	22.7	20.7		0.9	5.7		3.0
22	29.7	22.8	20.9		-	10.9		2.2
23	29.8	23.3	21.7		-	7.5		1.8
24	30.2	23.5	21.1		-	10.1		2.3
25	29.4	22.8	21.2		-	6.6		2.2
26	29.7	22.3	19.9		Trace	10.6		2.2
27	28.2	22.9	20.9		1.9	7.5		1.5
28	29.9	24.8	23.1		10.1	9.3		1.4
29	29.5	24.0	23.1		-	9.0		1.7
30	30.0	22.8	21.1		Trace	13.3		2.6
31								
Sum	-	-	-		89.7	233.5		55.6
Mean	29.6	23.7	20.7		-	7.8		1.9

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METEOROLOGICAL OBSERVATIONS. 9 a.m. JULY 1944

Day of Month.	Cloud. Form. Low.	Form. Medium.	Form. High.	Amount of Low.	Total Amount.	Height of Base.	How Height was obtained.	Weather. Since previous Observation.	Weather. At Time.	Visibility.	Wind. Direction.	Wind. Force (Beaufort Scale).	Barometer reduced to M.S.L. (Millibars).	Temperature and Humidity. Dry Bulb (°).	Wet Bulb (°).	Relative Humidity (%).	Vapour Pressure (Millibars).	Upper Cloud. Type observed.	Direction whence coming.	Speed: Height Ratio.
1	Cu	-	Ci	1	1	3000		bcpr b	b	M	E	4	1013.6	28.0	24.5	74%	27.9			
2	Cu	Ac	Ci	2	6	3000		bccprbc	bc	M	ESE	3	1012.9	27.8	24.4	75	27.8			
3	Sc Cu	As Ac	Ci	2	7	3000		corrbc	bcjpr	K	ESE	4	1010.6	27.8	25.4	85	31.6			
4	Cu Sc	As Ac	Ci	5	9+	3000		bcpr c	cjpr	M	CALM	0	1011.3	27.0	25.0	84	30.1			
5	Cu Sc	Ac As	Ci	1	3	3000		copr bc	bc	M	CALM	0	1011.3	27.7	25.5	83	30.9			
6	Cu	As Ac	Ci	2	5	3000		bc ocbc	bc	M	CALM	0	1011.4	27.6	24.5	77	28.3			
7	Cu	Ac As	Ci	1	2	3000		coRRbc	b	K	SSW	3	1011.4	25.5	21.0	65	21.2			
8	Cu	As Ac	Ci	1	2	3000		bc c	b	M	ESE	3	1012.0	25.5	19.9	57	18.7			
9	Cu	Ac	Ci	Tr.	6	3000		bc bc	bc	M	CALM	0	1014.1	23.5	19.6	68	19.7			
10	Sc Cu	Ac	Ci	Tr.	9+	3000		c	c	M	SE	1	1015.7	23.6	21.2	80	23.3			
11	Sc Cu	Ac	Ci	2	5	3500		c bc	bc	M	ESE	2	1013.9	27.0	22.1	64	22.7			
12	Sc Cu	Ac	Ci	Tr.	9+	3500		c	c	M	ESE	1	1013.6	25.0	21.2	70	22.1			
13	Sc Cu	Ac	Ci	Tr.	9+	3500		c o	c	M	ESE	3	1013.6	25.8	21.6	67	22.4			
14	Sc Cu	Ac	Ci	2	2	3000		bc	b	M	ESE	3	1013.9	27.2	23.8	74	26.8			
15	Sc Cb	Ac	Ci	4	6	2500		bcprqbc	bcpr	H	ESE	5	1014.5	25.1	23.2	85	26.9			
16	Cu Sc	-	Ci	1	4	3000		c o	bc	K	SE	2	1015.0	27.5	23.1	67	24.7			
17	Cu	Ac	Ci	1	2	3000		ocjprbc	b	K	ESE	4	1013.3	27.0	23.0	70	24.9			
18	Cu	Ac	-	1	1	2500		bcjprbc	b	K	ESE	3	1012.4	27.3	23.9	74	26.9			
19	Ns. Fs.	-	-	10	10	1500		bbcpr q	oprq	G	ESE	6	1012.7	24.9	23.2	86	27.1			
20	Cu	Ac	Cs	Tr.	6	3500		b bc o	bc	M	CALM	0	1013.0	26.4	23.0	74	25.4			
21	Cu Cb	Ac	Ci	1	5	3000		bcpr o	bcjpr	M	SE	2	1012.1	26.8	24.2	82	28.4			
22	Cu	Ac	Cs	Tr.	6	3500		cjpr o	bc	M	CALM	0	1011.5	26.4	22.1	67	23.1			
23	Cu	-	Ci	Tr.	10	3500		b	o	M	CALM	0	1012.7	24.8	21.3	72	22.5			
24	Cu	Ac	Cs	Tr.	10	3000		o	o	M	SSW	1	1012.9	23.9	20.5	72	21.4			
25	Cu	Ac	Cs	Tr.	1	3000		b	b	M	NW	3	1014.3	27.0	23.3	72	25.6			
26	Cu	Ac As	Ci	1	9	3000		c	c	M	SE	4	1014.8	26.2	22.8	74	25.0			
27	Sc Cb	Ac	Cs Ci	1	7	3000		c o	bc	M	ESE	5	1014.1	26.4	22.1	67	23.1			
28	Sc Cu	As Ac	-	Tr.	10	3000		cjprpr	c	K	SW	1	1015.0	24.4	22.0	80	24.5			
29	Sc Cb	Ac	Ci	1	5	3000		cjpr	bcjpr	M	ESE	4	1015.9	26.2	22.2	69	23.6			
30	Cu Cb	Ac	Ci	1	2	3000		bcjprbc	bjpr	K	ESE	4	1015.5	26.1	22.1	69	23.4			
31	Cu	Ac	Ci	2	2	3000		c	b	K	ESE	3	1014.5	26.3	21.9	66	22.5			
Means	-	-	-	1.4	5.6	3000		-	-	-	-	2.4	1013.3	26.2	22.7	73	24.9			

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APIA OBSERVATORY — METEOROLOGICAL OBSERVATIONS.

3 p.m. JULY 1944

Day of Month.	Cloud. Form. Low.	Medium.	High.	Amount of Low.	Total Amount.	Height of Base.	How Height was obtained.	Weather. Since previous Observation.	At Time.	Visibility.	Wind. Direction.	Force (Beaufort Scale).	Barometer reduced to M.S.L. (Millibars).	Temperature and Humidity. Dry Bulb (°).	Wet Bulb (°).	Relative Humidity (%).	Vapour Pressure (Millibars).	Upper Cloud. Type observed.	Direction whence coming.	Speed: Height Ratio.
1	Cu	-	Ci	1	7	3500		b bc	bc	M	ESE	4	1011.1	29.7	25.7	71%	29.8			
2	Cu Cb	-	Ci Cs	2	8	3000		bc c	c	K	E	4	1009.5	29.0	25.8	76	30.7			
3	Cu Cb	Ac As	Ci	2	9	3000		bcprq c	cjpr	K	ENE	3	1008.3	29.3	25.8	75	30.4			
4	Sc Cu	As Ac	Ci	5	9+	3000		bc cjpr	cjpr	H	E	1	1008.9	29.4	25.5	72	29.5			
5	Cu	Ac As	Ci	2	6	3000		bc	bc	K	ENE	1	1008.4	29.2	25.3	72	29.1			
6	Cu Sc	Ac As	Ci	5	8	3000		bcpr.	cjpr	H	ENE	1	1008.4	27.5	24.4	77	28.1			
7	Cu	Ac As	Ci	1	7	3000		bc	bc	K	SSW	4	1009.1	26.9	21.0	57	20.1			
8	Cu	Ac	-	2	3	3000		b	bc	M	ESE	2	1010.4	26.8	20.2	56	19.8			
9	Cu	Ac As	-	2	9+	3000		bc	c	M	E	3	1013.0	27.0	21.0	56	20.0			
10	Cu Sc	-	Ci	4	9	3000		c	c	M	E	3	1012.5	27.5	22.6	64	23.5			
11	Cu Sc	Ac As	Ci	2	7	3000		bc	bc	K	ENE	4	1010.7	27.9	23.0	64	24.2			
12	Sc Cu	-	Ci	Tr.	9	3000		c	c	M	ESE	5	1010.1	28.3	22.2	57	21.9			
13	Cu	As Ac	Ci	1	5	3500		bc	bcjpr	M	ESE	3	1011.2	27.9	23.1	65	24.4			
14	Sc Cb	Ac	-	2	3	2500		bc	bc	M	E	6	1011.8	27.7	24.2	73	27.3			
15	Cb Sc	Ac As	-	2	9	2500		cjpr	c	K	ESE	5	1011.7	26.3	24.0	82	28.0			
16	Cu	-	Ci	1	10	3000		bc	o	K	ESE	6	1011.5	28.8	25.3	74	29.5			
17	Sc Cu	Ac As	Ci	3	7	2500		bbcjpr	bcjpr	K	ESE	5	1010.8	28.9	25.0	72	28.5			
18	Cu	Ac	-	2	2	2500		bc	b	K	ESE	6	1009.7	28.7	24.8	72	28.2			
19	Cu Cb	Ac	Ci	2	8	2500		ojpr	c	K	ESE	5	1009.6	28.0	24.5	74	27.9			
20	Cu	-	Cs	Tr.	3	4500		bc	bc	M	E	5	1009.8	28.6	24.0	67	26.1			
21	Sc Cb	Ac	Ci	5	8	2500		cjpr	cjpr	K	E	4	1009.0	28.2	24.9	75	28.9			
22	Cu	Ac	Ci	Tr.	Tr.	3500		b	b	M	E	4	1009.0	28.5	22.3	56	21.9			
23	Cu	Ac	Cs	Tr.	10	3000		o	o	M	E	4	1010.2	27.7	22.9	65	24.1			
24	Cu	Ac	Cs Cc	2	6	3000		c o	bc	M	E	4	1010.4	28.6	25.0	74	28.8			
25	Cu	Ac	Cs	Tr.	Tr.	3000		c	b	M	SW	1	1011.3	29.8	23.8	59	24.7			
26	Sc Cu	As Ac	Ci	1	9	3000		c	c	K	ESE	5	1011.9	27.8	23.3	67	25.0			
27	Sc Cb	Ac As	-	1	9+	3000		cjprojp	cjpr	K	ESE	5	1012.3	26.9	23.0	70	25.0			
28	Sc Cb	Ac	Ci	4	7	3000		c	cjpr	K	ESE	5	1012.6	25.9	23.0	77	25.8			
29	Cu Cb	Ac	Ci	2	4	3000		bcjpr	bcjpr	K	ESE	5	1012.8	28.0	23.0	64	24.1			
30	Cb Sc	Ac	-	5	8	3000		cqpr.	c	K	ESE	5	1012.8	26.8	22.8	70	24.5			
31	Cu Sc	Ac	Ci	5	7	3000		bc	bc	K	ESE	6	1011.3	28.4	23.2	63	24.3			
Means	-	-	-	2.1	6.7	3000		-	-	-	-	4.0	1010.7	28.1	23.7	68%	25.9			

METEOROLOGICAL OBSERVATIONS.

JULY 1944

Day of Month.	Thermometers. Maximum (°)	Minimum (°)	Grass Minimum (°)	Black Bulb in vacuo (°)	Rainfall (mm.)	Sunshine (hrs.)	Heat Integrator.	Evaporimeter.
1	29.9	23.0	21.2		7.5	10.9		2.2
2	29.8	24.2	22.2		6.7	8.0		2.2
3	30.0	25.0	23.3		11.2	6.5		2.3
4	29.8	24.9	22.9		0.6	3.2		1.8
5	29.3	24.1	22.3		-	10.1		1.7
6	28.9	23.8	22.1		28.1	5.4		2.2
7	27.9	24.0	21.4		-	9.6		5.2
8	28.0	22.5	21.8		-	8.9		+
9	27.3	20.2	18.8		-	6.6		2.7
10	29.2	20.1	18.1		-	7.3		2.4
11	29.0	21.0	19.2		-	9.0		2.9
12	29.2	21.2	18.8		-	8.0		3.4
13	29.2	22.7	20.3		-	7.5		2.7
14	28.6	22.3	20.0		2.3	7.9		2.3
15	28.2	24.1	22.7		-	2.1		3.1
16	29.6	24.8	22.4		-	8.4		2.7
17	29.2	23.4	21.2		-	7.9		3.1
18	28.9	23.6	21.2		0.4	10.3		3.0
19	28.8	24.1	22.1		1.1	1.8		2.1
20	29.6	21.9	19.8		0.2	10.7		2.9
21	29.2	23.8	22.1		-	5.0		2.1
22	28.9	22.3	19.3		-	10.9		1.8
23	28.5	20.1	18.1		Trace	9.2		2.9
24	29.0	20.3	17.8		-	8.2		2.3
25	30.7	23.2	20.4		-	10.8		2.9
26	28.9	23.3	20.0		-	5.1		3.1
27	28.5	24.8	23.4		Trace	4.9		2.6
28	28.0	22.6	21.2		-	4.0		3.0
29	28.5	21.5	20.0		-	9.4		3.4
30	28.1	23.0	20.1		-	7.7		3.7
31	28.5	23.3	21.3		-	9.0		3.8
Sum	-	-	-		58.1	234.3		82.5
Mean	28.9	22.9	20.8		-	7.6		2.7

\+ Evaporimeter reading not recorded.

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APIA OBSERVATORY METEOROLOGICAL OBSERVATIONS. 9 a.m. AUGUST 1944

Day of Month.	CLOUD. Form. Low.	Medium.	High.	Amount of Low.	Total Amount.	Height of Base.	How Height was obtained.	WEATHER. Since previous Observation.	At Time.	Visibility.	WIND. Direction.	Force (Beaufort Scale).	Barometer reduced to M.S.L. (Millibars).	TEMPERATURE AND HUMIDITY. Dry Bulb (°).	Wet Bulb (°).	Relative Humidity (%).	Vapour Pressure (Millibars).	UPPER CLOUD. Type observed.	Direction whence coming.	Speed; Height Ratio.
1	Cu Sc	As Ac	Ci	3	8	3000		bc	cjpr	K	ESE	3	1014.1	26.4	22.5	70%	24.1			
2	Cu	Ac	Ci	4	9	3000		c	cjpr	K	ESE	4	1012.7	26.7	22.8	70	24.6			
3	Sc Cu	Ac	-	2	9+	3000		c	c	K	ESE	3	1013.3	27.5	24.9	80	29.4			
4	Cu	Ac	Ci	3	9	3000		bc	c	K	ESE	3	1013.5	27.3	25.2	84	30.4			
5	Cu Cb	Ac	-	5	9	3000		bc	cjpr	K	ESE	2	1015.4	26.5	23.9	80	27.6			
6	Cu	Ac	-	1	2	3000		bc	b	K	ESE	4	1014.1	27.1	23.1	70	25.1			
7	Sc Cb	Ac	-	6	8	2000		bc c	cjpr	K	ESE	3	1012.7	27.3	24.2	76	27.7			
8	Sc Cb	Ac	-	2	2	2500		b	b	K	ESE	3	1012.4	27.4	23.8	73	26.6			
9	Sc Cu	Ac	Ci	1	2	3000		b	b	M	ESE	3	1013.3	26.5	23.2	75	25.8			
10	Sc Cu	Ac	Ci	2	8	2000		bc	c	M	E	2	1014.1	26.8	23.3	73	25.8			
11	Sc Cu	-	-	2	2	2500		c b	b	K	ESE	4	1012.3	25.6	21.9	71	23.3			
12	Cu	Ac	Ci	Tr.	4	3000		bc	bc	K	ESE	3	1010.5	26.5	22.4	69	23.8			
13	Ns Cu	Ac	-	9	10	1500		opr$_o$	opr$_o$	H	ENE	2	1011.1	27.1	25.4	87	31.0			
14	Cb Cu	Ac	Ci	Tr.	2	3000		c bc b	b	M	E	2	1012.8	27.5	24.4	77	28.1			
15	Sc Cu	Ac	-	1	8	3000		bc o c	c	K	CALM	0	1013.5	26.4	24.0	81	27.9			
16	Sc Cu	Ac	-	2	3	3000		cpr$_o$bc	bc	K	E	2	1013.8	27.1	22.3	65	23.1			
17	Cb Cu	As Ac	-	3	4	3000		bc o bc	bcjpr	M	E	3	1014.1	26.6	22.7	70	24.5			
18	Sc Cu	Ac	-	2	3	4000		bc	bc	M	E	3	1013.7	26.6	23.0	73	25.3			
19	Cu Sc	Ac	-	3	3	3000		bc c bc	bc	M	E	3	1013.2	26.8	23.5	75	26.3			
20	Sc Cu	-	-	Tr.	Tr.	3000		b bc	b	K	ESE	4	1013.2	26.7	23.2	73	25.6			
21	Cu	-	Ci	Tr.	1	4500		b bc b	b	M	ESE	4	1012.6	27.2	23.8	74	26.8			
22	Cu	Ac	Ci	Tr.	1	4500		b	b	M	SW	1	1014.1	26.2	22.2	69	23.6			
23	Cu	Ac	Cs	Tr.	7	3000		c bc	bc	M	SW	1	1014.8	26.5	23.2	75	25.8			
24	Cu	Ac	-	2	4	3000		c o bc	bc	M	ESE	3	1014.8	26.7	23.8	78	27.2			
25	Cu	Ac	Ci	1	1	3000		bcjpr	b	M	E	4	1015.5	27.7	23.0	65	24.3			
26	Cb Cu	Ac	-	1	3	3000		b	bc	M	ESE	4	1016.7	28.2	23.9	69	26.2			
27	Sc Cu	-	Ci	1	1	3000		c opr$_o$	b	K	ESE	7	1016.4	27.9	24.9	77	29.1			
28	Cb Cu	Ac	-	Tr.	Tr.	3000		bcjprbc	bjpr	K	ESE	5	1017.2	27.9	24.9	77	29.1			
29	Sc Cu	Ac	-	6	8	2500		bjpr	c	K	E	5	1014.7	27.1	25.2	85	30.5			
30	Cu Cb	Ac	Ci	3	4	2500		c opr	bcjpr	K	ESE	6	1014.2	27.5	24.9	80	29.4			
31	Cu	Ac	Ci	3	6	3000		bc opr	bc	K	E	6	1014.6	27.7	24.8	78	29.0			
Means	-	-	-	2.2	4.6	2900		-	-	-	-	3.3	1013.9	27.0	23.7	75	26.7			

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1,000/7/32—3911] APIA OBSERVATORY

METEOROLOGICAL OBSERVATIONS. 3 p.m. AUGUST 1944

Day of Month.	CLOUD. Form. Low.	Medium.	High.	Amount of Low.	Total Amount.	Height of Base.	How Height was obtained.	WEATHER. Since previous Observation.	At Time.	Visibility.	WIND. Direction.	Force (Beaufort Scale).	Barometer reduced to M.S.L. (Millibars).	TEMPERATURE AND HUMIDITY. Dry Bulb (°).	Wet Bulb (°).	Relative Humidity (%).	Vapour Pressure (Millibars).	UPPER CLOUD. Type observed.	Direction whence coming.	Speed; Height Ratio.
1	Cu Sc	As Ac	Ci	3	9	3000		c	c	K	ESE	5	1010.8	27.5	23.9	73%	26.8			
2	Cu	As Ac	Ci	2	9	3000		bc	c	K	ESE	4	1010.4	28.9	23.9	64	25.4			
3	Cu	Ac	Ci	1	5	3000		bc	bc	K	E	4	1010.3	29.8	25.9	72	30.3			
4	Cu Cb	Ac	Ci	3	6	3000		bcjpr	bc	K	E	4	1011.5	29.0	25.9	77	30.9			
5	Cu	Ac	Ci	2	5	3000		c cjpr	bc	K	ENE	6	1012.0	28.5	25.2	75	29.4			
6	Cu	Ac	-	2	2	3000		bc	b	K	E	5	1011.1	28.0	24.0	70	26.6			
7	Sc Cb	Ac	Ci	2	4	3000		bc	bc	K	ESE	3	1009.4	28.9	25.2	73	29.1			
8	Cu Sc	Ac	Ci	1	3	3000		b bc	bc	K	E	5	1009.6	27.9	24.7	76	28.6			
9	Sc Cu	-	Ci	2	2	3000		b	b	M	E	4	1011.0	27.8	24.0	72	26.8			
10	Sc Cu	Ac As	-	5	8	2000		c	c	K	E	4	1011.2	27.0	23.8	75	26.9			
11	Sc Cu	Ac	-	3	4	3000		bc	bc	K	E	4	1008.4	27.3	22.2	63	22.7			
12	Cu	As Ac	Ci	Tr.	10	3000		c o	o	K	E	4	1008.3	27.2	23.8	74	26.8			
13	Cu Sc	Ac	Ci	3	9	3000		cpr_o	cjpr	M	NNE	2	1008.5	29.0	25.2	72	29.0			
14	Sc Cu	Ac	-	4	5	1500		b bc_o	bcjpr	K	E	2	1010.1	29.5	26.3	77	31.7			
15	Sc Cu	Ac	-	4	7	3000		cpr_obc	bc	M	N	1	1010.8	27.0	24.8	83	29.6			
16	Sc Cu	Ac	-	4	5	3000		bc	bc	K	E	3	1011.1	28.1	22.7	61	23.3			
17	Sc Cb	Ac	-	2	2	3000		bc	b	K	E	4	1011.2	28.0	22.8	62	23.6			
18	Sc Cu	Ac	-	3	6	3000		bc	bc	M	E	4	1010.3	27.8	23.0	65	24.3			
19	Cu Sc	-	-	1	1	2500		b	b	K	E	5	1010.1	28.1	24.1	71	26.8			
20	Cu Sc	-	-	1	1	3000		b	b	K	E	5	1010.6	28.3	24.0	69	26.4			
21	Cu Cb	Ac	Ci	1	1	3000		b	b	M	ENE	4	1010.1	28.3	24.8	74	28.5			
22	Cu	Ac	Ci	2	8	3000		c	c	M	E	4	1011.4	29.0	23.7	63	25.1			
23	Sc Cu	Ac	-	4	9+	3000		c	c	M	E	3	1011.7	29.1	24.3	66	26.5			
24	Cu	Ac	Ci	1	1	3000		bc	b	K	ENE	5	1011.7	28.1	24.0	70	26.5			
25	Cu	Ac	Ci	Tr.	1	3000		b	b	M	E	5	1012.2	28.8	23.7	64	25.2			
26	Cu Sc	As Ac	-	1	8	3000		bc cjpr	c	M	E	6	1015.0	27.8	24.9	78	29.2			
27	Sc Cu	-	-	3	3	3000		bbccpr_o	bcjpr	K	E	7	1013.7	28.2	25.6	80	30.8			
28	Cb Cu	Ac	Ci	Tr.	2	3000		b	bjpr	M	E	5	1013.2	28.7	25.0	73	28.7			
29	Sc Cu	Ac	-	4	8	3000		pr bc	c	K	E	5	1011.9	27.7	25.6	84	31.2			
30	Cb Cu	Ac	Ci	3	7	3000		bcjpr	bcjpr	K	ENE	5	1011.4	28.1	24.8	75	28.7			
31	Cu	Ac	-	Tr.	Tr.	3000		b	b	K	ENE	5	1011.8	28.8	24.7	71	28.1			
Means	-	-	-	2.2	4.9	2900		-	-	-	-	4.3	1011.0	28.3	24.4	72	27.5			

METEOROLOGICAL OBSERVATIONS.

AUGUST 1944

Day of Month.	Thermometers.				Rainfall (mm.)	Sunshine (hrs.)	Heat Integrator.	Evaporimeter.
	Maximum (°)	Minimum (°)	Grass Minimum (°)	Black Bulb in vacuo (°)				
1	27.9	24.2	22.3		0.5	0.1		3.4
2	28.9	24.2	22.9		Trace	2.9		3.1
3	30.1	25.2	25.1		9.5	4.1		1.4
4	29.9	22.5	21.9		11.5	7.0		1.0
5	29.1	24.2	21.2		1.2	7.0		2.1
6	28.6	22.5	20.7		-	10.6		2.6
7	29.4	22.1	20.4		-	7.5		2.3
8	28.8	23.4	20.9		-	9.9		2.3
9	28.5	22.7	20.8		-	8.8		2.5
10	28.3	22.4	20.6		-	3.9		2.5
11	27.9	22.1	20.9		-	7.7		2.8
12	28.8	21.5	-		0.5	4.5		2.1
13	29.8	24.7	23.9		Trace	4.9		2.6
14	30.2	23.2	21.2		-	9.8		2.0
15	28.7	24.0	21.8		1.5	0.4		2.2
16	29.2	24.4	20.1		-	6.8		3.6
17	28.6	23.9	20.4		-	9.3		3.4
18	29.9	22.5	20.1		-	10.9		4.4
19	28.7	24.4	22.1		-	10.7		3.2
20	28.8	22.3	20.6		-	10.4		2.4
21	29.1	21.0	18.7		-	10.7		2.7
22	29.5	21.3	20.3		-	5.1		2.6
23	30.0	22.2	19.9		-	4.4		2.6
24	29.2	23.2	21.4		-	7.9		2.8
25	29.7	22.9	20.3		-	10.9		3.4
26	30.0	21.9	19.3		Trace	6.3		-
27	28.8	24.4	22.2		2.8	8.9		2.4
28	29.5	24.9	22.9		2.7	9.2		2.1
29	28.8	24.6	22.8		32.3	7.0		1.5
30	29.1	24.2	22.8		0.5	7.5		3.0
31	29.3	26.0	24.4		1.5	10.3		2.6
Sum	-	-	-		64.5	225.4	77.6	
Mean	29.1	23.3	21.4		-	-	2.59	

1,000/7/32—3911] APIA OBSERVATORY

METEOROLOGICAL OBSERVATIONS.

9 a.m. SEPTEMBER 1944

Day of Month.	Cloud. Form. Low.	Medium.	High.	Amount of Low.	Total Amount.	Height of Base.	How Height was obtained.	Weather. Since previous Observation.	At Time.	Visibility.	Wind. Direction.	Force (Beaufort Scale).	Barometer reduced to M.S.L. (Millibars).	Temperature and Humidity. Dry Bulb (°).	Wet Bulb (°).	Relative Humidity (%).	Vapour Pressure (Millibars).	Upper Cloud. Type observed.	Direction whence coming.	Speed: Height Ratio.
1	Cb Cu	-	-	4	4	2500		bbcpr	bc/pr	K	E	4	1014.8	26.9	25.4	88%	31.3			
2	Cb Cu	Ac	-	3	4	2500		bc pr q	bc/pr	K	ESE	5	1012.8	26.6	24.9	87	30.1			
3	Fs Sc	As	-	8	9+	2000		oRqtl	$cr_o r_o$	J	NE	3	1011.4	26.0	25.0	92	30.9			
4	Cb Cu	Ac	Ci	6	8	2500		coRcpr	cjpr	K	E	5	1011.8	27.9	25.3	80	30.2			
5	Cb Cu	Ac	Ci	7	8	2500		$cbcpr_o$	cjpr	K	E	4	1012.6	27.2	25.0	83	29.9			
6	Sc Cb	As Ac	Ci	2	9	2000		oiRq	$cr_o r_o$	M	E	3	1011.4	25.0	23.5	88	27.8			
7	Cu Cb	Ac	Ci	1	5	3000		$cpr_o bc$	$bcjpr_o$	M	CALM	0	1010.8	27.4	25.1	82	30.0			
8	Sc Cb	Ac	Ci	4	9	3000		$bcpr_o c$	cjpr	M	CALM	0	1011.4	27.2	25.0	83	29.9			
9	Sc Cb	Ac	Ci	4	9	2500		$orrcpr_o$	cjpr	M	ESE	4	1012.7	26.3	24.0	82	28.0			
10	Sc Cb	As Ac	-	6	9+	1000		coRqc	cpr_o	K	SE	4	1012.9	25.0	23.8	90	28.5			
11	Cb Cu	Ac As	Ci	3	7	3000		cjpr	bc	K	SSE	2	1015.2	26.1	24.2	85	28.7			
12	Cu	Ac	-	2	4	3000		bc	bc	K	E	4	1013.3	28.5	25.9	81	31.4			
13	Cu Sc	Ac	-	3	6	3000		bc	bcpr	M	ESE	2	1014.1	27.0	24.0	77	27.4			
14	Cu	Ac	-	Tr.	Tr.	2500		c bc	b	M	ESE	4	1014.0	28.2	25.0	76	29.1			
15	Cu	Ac	-	1	1	2500		b	b	K	E	4	1014.2	28.4	24.9	74	28.7			
16	Cu	Ac	-	Tr.	Tr.	2500		b	b	K	E	6	1013.4	28.1	24.9	76	28.9			
17	Cu Cb	Ac	-	1	3	2500		b bc	bc	K	E	5	1013.5	28.1	25.0	77	29.2			
18	Cu	Ac As	-	1	9	3000		$bcor_o r_o q$	c	K	ENE	4	1014.4	27.7	24.8	78	29.0			
19	Cu Sc	Ac	-	4	7	2500		bcjpr	bcjpr	M	ESE	4	1014.3	26.0	23.8	83	27.7			
20	Cu	-	Cs	Tr.	8	3500		b bc	c	M	ESE	4	1014.4	28.3	25.1	76	29.3			
21	Cu	Ac	-	1	1	3500		$bbcpr_o q$	b	M	ESE	5	1014.6	28.2	24.6	73	28.1			
22	Cu	Ac	Ci	2	2	3000		b bc	b	K	ESE	5	1014.9	28.2	24.4	72	27.5			
23	Sc Cu	Ac	-	2	9+	2500		bcojpr	cpr	K	ESE	4	1013.6	26.9	25.2	87	30.7			
24	Cu Sc	Ac	Ci	3	6	3000		$bcpr_o bc$	bc	H	E	5	1011.8	27.8	25.5	83	30.8			
25	Cu	Ac	-	2	2	3000		bc $r_o r_o$	b	K	ESE	6	1011.3	27.8	24.9	78	29.2			
26	Cu	Ac	Ci	1	9	3000		$bcjpro_o$	c	K	ESE	4	1010.7	28.2	24.3	71	27.3			
27	Fs	As	-	7	10	1000		c opr	opr_o	K	ESE	6	1009.6	24.9	23.2	86	27.1			
28	Sc Cu	Ac	-	9	9+	3000		$ojprr_o o$	c	K	E	5	1009.7	26.7	24.3	81	28.5			
29	Cu Sc	Ac As	-	1	9+	3000		$cor_o r_o ir$	c	M	CALM	0	1010.9	26.1	23.3	78	26.4			
30	Cu	Ac	Ci	2	9	3500		c b8	c	M	ESE	2	1012.0	28.4	25.2	76	29.5			
31																				
Means	-	-	-	3.0	6.3	2700		-	-	-	-	3.8	1012.7	27.2	24.7	81	29.0			

1,000/7/32—3911] APIA OBSERVATORY

METEOROLOGICAL OBSERVATIONS. 3 p.m. SEPTEMBER 1944

Day of Month.	Cloud. Form. Low.	Medium.	High.	Amount of Low.	Total Amount.	Height of Base.	How Height was obtained.	Weather. Since previous Observation.	At Time.	Visibility.	Wind. Direction.	Force (Beaufort Scale).	Barometer reduced to M.S.L. (Millibars).	Temperature and Humidity. Dry Bulb (°).	Wet Bulb (°).	Relative Humidity (%).	Vapour Pressure (Millibars).	Upper Cloud. Type observed.	Direction whence coming.	Speed: Height Ratio.
1	Cb Cu	-	-	3	3	2500		bcpr$_o$	bcpr$_o$	K	E	5	1011.4	28.3	25.8	81%	31.2			
2	Fs Sc	As	-	7	9+	1000		bcprq	oprq	H	E	4	1009.8	25.1	24.7	97	30.8			
3	Sc Cb	Ac	Ci	9	9+	2000		cpr	cr$_o$	K	E	3	1009.3	27.1	25.5	87	31.4			
4	Cu Cb	Ac As	Ci Cs	2	9+	3000		cjpr	cjpr	K	E	5	1010.2	28.1	25.6	81	30.8			
5	Cb Sc	As Ac	Ci	6	9+	2500		cprq	cpr$_o$	K	E	5	1010.6	26.5	24.5	84	29.2			
6	Cu Cb	Ac	Ci	7	8	3000		cr$_o$bc c	cjpr	M	CALM	0	1008.0	27.7	24.8	78	29.0			
7	Cu Cb	Ac	Ci Cs	1	7	3000		bcjpr	bcjpr	M	N	1	1008.0	28.4	25.2	76	29.5			
8	Fs Cb	As	-	8	10	1000		cpr$_o$	or$_o$r$_o$	K	SW	2	1009.1	25.3	24.4	92	29.9			
9	Sc Cb	As Ac	-	5	9+	2500		bccpr$_o$	cjpr	K	ESE	5	1010.4	27.3	23.7	73	26.4			
10	Cb Sc	Ac As	-	8	9+	2500		cpr$_o$jpr	cjpr	K	ESE	3	1010.4	28.1	25.7	82	31.1			
11	Cu	Ac	Ci	4	7	3000		bcjpr	bc	K	E	3	1011.2	29.0	25.9	77	30.9			
12	Cu	-	Ci	3	3	3000		bc	bc	K	E	4	1010.4	29.2	26.0	77	31.1			
13	Cu	Ac As	-	Tr.	9	2500		cpr	c	M	ESE	2	1011.6	26.2	24.1	83	28.3			
14	Cu Sc	Ac	-	1	1	3000		b	b	K	E	5	1011.3	27.9	25.0	78	29.4			
15	Cu	Ac	Ci	1	1	2500		bc	b	K	E	6	1011.6	29.0	25.5	74	29.8			
16	Cu Cb	Ac	Ci	1	1	2500		b	b	K	E	6	1011.1	29.0	25.5	74	29.8			
17	Cu Cb	Ac	-	3	6	3000		bc cpr$_o$	bc	K	E	4	1010.9	28.0	25.1	78	29.5			
18	Cu Sc	-	-	2	2	3000		bc	b	K	E	3	1011.3	29.3	25.9	75	30.7			
19	Cu	Ac	Ci	1	1	3000		bc b	b	K	E	3	1012.2	29.3	25.4	72	29.3			
20	Cu Sc	Ac	-	1	1	3000		b	b	K	E	5	1012.0	28.6	24.5	70	27.5			
21	Cu	-	-	2	2	3000		b	b	K	E	6	1011.9	28.8	25.2	74	29.2			
22	Sc Cu	Ac	Ci	1	3	3000		bc	bc	K	E	7	1011.2	28.9	25.0	72	28.5			
23	Cu Sc	Ac As	-	1	10	1500		bc	ojpr	K	E	5	1010.5	27.7	25.0	79	29.5			
24	Cu Sc	Ac As	Ci	3	4	3000		bcpr	bc	K	E	6	1010.0	28.6	25.3	76	29.6			
25	Cu	Ac	Ci	2	3	2500		b bc^o	bc	K	ESE	6	1008.4	28.9	25.5	75	29.9			
26	Cu Sc	Ac	-	5	9+	2500		bc c	c	K	ESE	5	1007.4	29.1	25.1	71	28.7			
27	Sc Fs	Ac	-	7	10	1500		cjpr or	ojpr	K	ESE	5	1006.7	26.1	24.3	86	28.9			
28	Cu	Ac	Ci	5	9+	3000		c o	c	M	ENE	4	1007.7	28.2	25.7	81	31.0			
29	Cu Sc	Ac	-	3	8	3000		c	c	M	E	1	1008.6	28.1	24.6	74	28.1			
30	Cu Cb	Ac	Ci	2	7	3000		cjpr c	bcjpr	M	ENE	2	1009.7	28.9	24.9	71	28.3			
31																				
Means	-	-	-	3.5	6.2	2500		-	-	-	-	4.0	1010.1	28.0	25.1	77	29.6			

METEOROLOGICAL OBSERVATIONS.

SEPTEMBER 1944

Day of Month.	Thermometers.				Rainfall (mm.)	Sunshine (hrs.)	Heat Integrator.	Evaporimeter.
	Maximum (°)	Minimum (°)	Grass Minimum (°)	Black Bulb in vacuo (°)				
1	29.7	24.0	22.4		2.2	10.5		2.2
2	29.6	24.9	23.3		32.5	6.0		1.0
3	29.3	24.4	22.4		41.7	3.0		0.9
4	29.9	23.3	23.3		1.0	5.2		2.0
5	28.7	23.8	22.4		132.9	4.2		1.0
6	28.9	22.6	21.9		0.4	7.3		1.8
7	28.8	23.8	22.5		0.4	7.7		1.3
8	28.4	24.2	22.8		13.6	4.1		1.2
9	28.6	24.0	22.8		17.1	5.1		2.3
10	29.8	24.0	22.8		35.6	2.5		1.0
11	29.5	24.2	22.6		0.8	8.0		1.9
12	30.3	25.3	22.4		Trace	10.5		2.2
13	28.6	24.2	22.9		4.1	1.7		1.2
14	29.5	23.2	20.8		Trace	11.0		2.5
15	29.5	23.1	21.1		-	10.6		2.4
16	29.5	23.8	21.7		8.5	10.9		2.1
17	29.4	24.8	22.5		2.2	8.7		2.1
18	29.8	23.7	22.3		Trace	6.4		3.0
19	30.0	25.5	23.8		-	8.7		2.6
20	29.0	23.3	21.1		0.8	10.9		3.0
21	29.3	22.9	21.1		-	11.1		3.4
22	29.5	25.0	23.7		12.3	10.1		1.2
23	29.4	23.9	23.9		11.9	3.4		1.0
24	29.5	24.4	23.7		12.8	9.2		2.2
25	29.3	23.9	22.5		0.3	10.9		3.2
26	29.3	24.7	21.9		4.8	8.9		1.6
27	28.5	23.9	22.5		40.0	0.3		0.5
28	28.5	23.1	22.1		26.6	5.2		1.4
29	29.0	22.9	21.9		Trace	3.4		1.8
30	29.8	23.9	22.2		-	8.3		1.9
31								
Sum	-	-	-		402.5	213.8		55.9
Mean	29.3	24.0	22.4		-	6.9		1.9

1,000/7/32—3911] APIA OBSERVATORY

METEOROLOGICAL OBSERVATIONS.

9 a.m. OCTOBER 1944

Day of Month.	Cloud. Form. Low.	Medium.	High.	Amount of Low.	Total Amount.	Height of Base.	How Height was obtained.	Weather. Since previous Observation.	At Time.	Visibility.	Wind. Direction.	Force (Beaufort Scale).	Barometer reduced to M.S.L. (Millibars).	Temperature and Humidity. Dry Bulb (°).	Wet Bulb (°).	Relative Humidity (%).	Vapour Pressure (Millibars).	Upper Cloud. Type observed.	Direction whence coming.	Speed; Height Ratio.
1	Cu	Ac	Ci	1	8	3000		bcjpr b	c	M	NNE	1	1012.2	27.7	24.3	74	27.7			
2	Sc Cu	-	Ci	1	1	2500		oir c	b	K	ESE	5	1011.6	27.7	25.3	82	30.3			
3	Cb Sc	Ac As	-	8	9	1500		bcir c	c/pr	M	CALM	0	1012.3	25.4	24.5	93	30.0			
4	Cu	Ac	-	Tr.	3	2500		cjprbc	bc	K	E	2	1011.3	28.1	24.5	73	27.9			
5	Cu	Ac	-	Tr.	1	3000		b pr_o b	b	M	E	3	1010.3	28.1	24.7	75	28.4			
6	Cu Sc	-	-	1	1	3000		b pr_o	b	K	ESE	6	1010.6	28.5	25.8	80	31.1			
7	Cb Sc	As	-	8	9+	2500		birprqc	cjrpr	K	E	2	1014.0	25.1	24.4	94	30.0			
8	Cu	Ac	-	Tr.	3	3000		c bc	bc	K	CALM	0	1015.2	27.4	23.6	71	26.1			
9	Cb Cu	Ac As	-	Tr.	8	2500		b b	cjpr	M	SW	1	1012.5	27.9	24.9	77	29.1			
10	Cu Cb	Ac	-	2	3	2500		cjprbc	bc	K	CALM	0	1011.8	28.3	24.9	75	28.8			
11	Cu Sc	Ac	Ci	1	1	3000		b bc	b	M	SE	4	1013.0	26.7	21.3	60	21.0			
12	Cu	Ac	Ci	Tr.	Tr.	3000		b bc	b	M	E	4	1013.0	27.1	22.5	66	23.6			
13	Cu	Ac	Ci	1	4	3000		b b	bc	K	CALM	0	1012.5	27.5	22.8	65	24.0			
14	Cu Sc	As Ac	Ci	2	6	3000		c bc	bc	K	ENE	1	1012.1	27.5	24.0	72	26.8			
15	Cu Sc	Ac	-	2	9	3000		c c	c	K	E	4	1011.2	28.5	24.3	69	27.0			
16	Cu Sc	Ac	Ci	3	3	3000		bc c bc	bc	K	E	3	1010.8	28.5	24.5	71	27.5			
17	Sc Cb	-	-	10	10	1500		bccjpr	opr_o	H	E	6	1010.9	26.0	24.0	84	28.2			
18	Cu Sc	Ac	-	1	10	2500		orrojpr	o	K	E	4	1011.6	27.2	24.0	76	27.3			
19	Cu	Ac	Ci	2	5	2500		cjpr o	bc	K	E	4	1010.8	28.2	24.3	71	27.3			
20	Cu	Ac	-	3	5	2500		c bc	bc	K	E	5	1011.2	27.1	23.2	71	25.6			
21	Cu	Ac	Ci	Tr.	8	3000		c oz c	c	K	ESE	6	1012.5	26.7	22.6	69	24.1			
22	Cu Sc	As Ac	Ci	1	9	3000		bcpr_o c	c	K	E	3	1012.2	27.1	23.0	69	24.8			
23	Cu	As Ac	Ci	1	8	2500		bc	c	K	ESE	6	1012.6	27.0	23.9	76	22.2			
24	Cu	Ac As	-	2	9	2500		o c	c	K	ESE	4	1011.5	25.9	23.0	77	25.8			
25	Fs Cu	Ac As	Ci	1	2	2500		bc	b	K	ESE	3	1010.5	29.0	24.0	64	25.8			
26	Cu	Ac As	Ci	2	8	2500		c	c	K	ESE	1	1009.6	27.1	23.2	71	25.3			
27	-	As	-	10	10	2500		orr	or_o	K	SE	3	1012.8	22.5	22.0	95	26.1			
28	Sc Cu	As Ac	-	2	6	2500		c	bc	K	ESE	1	1013.1	26.5	23.7	78	27.1			
29	Cu	As Ac	Ci	2	3	2500		c	bc	M	ESE	2	1013.0	27.9	24.9	77	29.1			
30	Cu Sc	As	Cs	3	6	2500		cjprpr$_o$	bcjpr	H	ESE	4	1011.0	26.8	24.7	83	29.4			
31	Cu Sc	Ac	Ci	3	6	2500		bc	bcjpr	K	E	5	1010.6	28.2	25.0	76	29.1			
Means	-	-	-	2.3	5.6	2700		-	-	-	-	3.0	1011.9	27.2	23.9	75	27.0			

1,000/7/32—3911] APIA OBSERVATORY

METEOROLOGICAL OBSERVATIONS.

3 p.m. OCTOBER 1944

Day of Month.	CLOUD. Form. Low.	Medium.	High.	Amount of Low.	Total Amount.	Height of Base.	How Height was obtained.	WEATHER. Since previous Observation.	At Time.	Visibility.	WIND. Direction.	Force (Beaufort Scale).	Barometer reduced to M.S.L. (Millibars).	TEMPERATURE AND HUMIDITY. Dry Bulb (°).	Wet Bulb (°).	Relative Humidity (%).	Vapour Pressure (Millibars).	UPPER CLOUD. Type observed.	Direction whence coming.	Speed : Height Ratio.
1	Ns.	-	-	10	10	600		cpr	opr	K	SSW	2	1010.1	26.3	24.6	86%	29.6			
2	Cu Sc	-	-	3	3	2500		b	bc	K	E	5	1009.4	28.4	25.5	78	30.3			
3	Cb Sc	As Ac	-	5	9	1500		c	cjpr	K	NNW	4	1010.2	27.2	25.1	84	30.2			
4	Cu Cb	Ac	Ci	1	1	2500		b	b	M	E	3	1007.3	29.5	26.5	78	32.2			
5	Cb Cu	-	-	1	1	2000		b	bjpr	M	E	6	1007.1	28.8	26.1	80	31.7			
6	Cu Sc	-	-	1	1	3000		b	b	K	ESE	5	1009.0	29.9	26.6	76	32.2			
7	Cb Sc	Ac	Ci	5	9+	2500		cpr	c	M	NW	1	1012.1	28.1	25.0	77	29.2			
8	Cu Cb	Ac	-	1	8	3000		cbccjpr	c	M	ENE	2	1012.4	28.7	25.2	74	29.2			
9	Cb Cu	Ac	-	2	5	2500		cpr ojpr	bc	K	ENE	2	1009.1	27.2	25.5	87	31.3			
10	Cu Sc	Ac	Ci	2	2	3000		bc obc	b	M	E	5	1008.6	29.2	25.2	71	28.9			
11	Cu Sc	Ac	-	1	2	2500		b bc	b	M	E	6	1010.3	27.7	23.1	66	24.6			
12	Cu	Ac	-	1	1	2500		c c	b	M	E	6	1010.8	28.5	23.5	64	24.9			
13	Sc Cu	Ac	-	6	8	3000		bc c	c	K	E	6	1009.2	27.8	24.2	73	27.3			
14	Cu Cb	Ac As	-	2	9	2500		c c	c	K	E	5	1009.5	29.3	24.7	67	27.4			
15	Cu	Ac	Ci	3	6	2500		c c	bc	K	E	4	1008.9	29.9	25.1	66	28.0			
16	Cu Cb	Ac	Ci	5	7	3000		bc	bc	K	E	5	1007.9	29.0	25.3	73	29.3			
17	Fs	As	-	2	10	1000		orrq	orr	H	NE	2	1010.3	23.9	23.2	94	27.9			
18	Sc Cu	Ac As	Ci	1	9	2500		ojpr	cjpr	K	E	4	1009.2	28.7	24.6	70	27.7			
19	Cu Sc	As	Ci	1	9	2500		c	c	K	E	5	1008.3	28.2	24.5	73	27.3			
20	Cu	Ac As	-	1	9+	2500		c o	c	K	ESE	6	1010.2	27.3	23.8	73	26.7			
21	Cu	Ac	Ci	2	5	3000		o c	bc	K	ESE	6	1010.5	28.4	24.8	73	28.4			
22	Cu Sc	As Ac	Ci	1	7	3000		c bc	bc	K	E	3	1010.1	28.1	23.0	63	24.0			
23	Cu	Ac As	-	2	10	2500		c	o	K	ESE	6	1010.4	26.8	23.8	77	27.1			
24	Fs	As Ac	-	1	10	1500		or o	o	K	ESE	5	1009.4	25.5	23.0	80	26.1			
25	Cu Cb	Ac	Ci	1	2	2500		b o	b	M	E	5	1008.5	28.5	24.4	70	27.3			
26	Cu Sc	Ac	-	3	9	2500		bc	c	K	ESE	4	1008.1	28.0	24.2	72	27.2			
27	Sc Fs	As Ac	-	3	10	1000		or o	opr o	H	SSE	2	1010.7	24.5	22.1	87	26.9			
28	Cu Sc	Ac	Ci	1	7	2500		bc o	bc o	M	ESE	2	1010.2	27.9	25.0	78	29.4			
29	Cu Cb	-	-	2	2	2500		bc bc	b	K	ESE	4	1009.5	29.2	26.0	77	31.1			
30	Cu	Ac	-	2	5	2500		c	bc	K	ESE	5	1008.8	28.8	25.5	76	30.0			
31	Cu	Ac	Ci	2	4	2500		c	bc	K	E	4	1008.3	29.2	25.5	73	29.7			
Means	-	-	-	2.4	6.2	2400		-	-	-	-	4.2	1009.5	28.0	24.7	75	28.5			

METEOROLOGICAL OBSERVATIONS.

OCTOBER 1944

Day of Month.	Thermometers.				Rainfall (mm.)	Sunshine (hrs.)	Heat Integrator.	Evaporimeter.
	Maximum (°)	Minimum (°)	Grass Minimum (°)	Black Bulb in vacuo (°)				
1	29.8	23.0	21.2		18.4	7.9		0.6
2	29.1	23.5	22.1		18.4	8.7		2.6
3	28.2	24.2	22.4		45.6	0.6		0.4
4	29.5	23.5	21.8		-	9.0		1.8
5	29.3	22.6	21.1		Trace	10.9		2.8
6	29.8	26.5	24.6		20.7	10.7		1.3
7	28.9	24.9	23.8		-	3.9		1.7
8	29.0	22.8	21.2		-	7.7		1.8
9	28.8	23.8	21.8		4.4	4.7		1.3
10	29.9	24.2	23.1		-	9.9		2.9
11	28.9	23.5	20.5		-	10.5		3.9
12	29.0	21.1	19.6		-	9.5		3.1
13	29.3	22.0	20.3		-	5.6		2.6
14	29.9	23.0	20.5		-	6.2		2.5
15	30.1	24.5	21.4		-	4.0		4.4
16	29.8	24.1	21.6		11.3	11.0		1.2
17	27.5	23.6	22.8		51.4	0.1		1.4
18	29.4	23.5	22.8		-	2.3		3.0
19	29.5	24.2	21.7		-	8.3		3.4
20	28.2	[illegible].9	22.2		-	4.6		3.8
21	29.0	23.2	20.1		1.1	10.6		3.4
22	28.8	22.6	20.6		-	11.4		3.2
23	29.5	21.9	18.5		-	2.6		1.7
24	27.9	20.1	20.4		16.6	0.4		2.6
25	29.0	21.2	18.1		-	10.8		2.6
26	28.8	23.5	19.2		23.1	2.9		1.6
27	28.8	22.3	20.4		8.4	0.0		0.9
28	28.4	22.2	18.3		-	6.7		2.0
29	29.7	22.1	17.8		0.8	9.8		2.4
30	29.5	24.9	18.4		Trace	7.4		3.4
31	29.5	25.8	20.7		85.2	9.6		1.4
Sum	-	-	-		305.4	208.3		71.7
Mean	29.1	23.3	20.9		-	6.7		2.31

1,000/7/32—3911] APIA OBSERVATORY

METEOROLOGICAL OBSERVATIONS. 9 a.m. NOVEMBER 1944

Day of Month.	CLOUD. Form. Low.	Medium.	High.	Amount of Low.	Total Amount.	Height of Base.	How Height was obtained.	Weather. Since previous Observation.	At Time.	Visibility.	Wind. Direction.	Force (Beaufort Scale).	Barometer reduced to M.S.L. (Millibars).	Temperature and Humidity. Dry Bulb (°).	Wet Bulb (°).	Relative Humidity (%).	Vapour Pressure (Millibars).	Upper Cloud. Type observed.	Direction whence coming.	Speed : Height Ratio.
1	Cu	Ac As	Ci	Tr.	9	3500		bcoprRR	c	M	SE	2	1009.7	26.8	24.3	81%	28.4			
2	Cu Sc	Ac	Ci	5	7	2500		bccpr$_o$	bc/pr	K	ENE	1	1008.6	26.0	23.9	83	28.0			
3	Cu Cb	Ac	Ci	1	8	3000		bc c	c	M	ENE	1	1007.8	27.8	24.5	75	28.1			
4	Cu	Ac	Ci	Tr.	2	3000		cjprbc	b	M	ENE	1	1008.2	27.8	24.2	73	27.3			
5	Cu	Ac	Ci	1	1	2000		cjprbcb	b	M	E	1	1009.3	28.1	25.0	77	29.2			
6	Cu Sc	Ac	-	2	6	3000		cpr$_o$ c	bc	K	ESE	5	1010.4	28.1	24.3	72	27.3			
7	Cu Sc	Ac As	-	4	9	2500		bcpr$_o$ c	c	M	ESE	4	1010.2	27.2	23.3	71	25.5			
8	Cu Sc	Ac As	-	4	7	3000		cr$_o$pr c	cjpr	M	CALM	0	1009.8	27.5	24.2	75	27.6			
9	Cu Sc	Ac As	Ci	3	9	3000		cpr o	c	K	E	4	1008.5	27.2	22.8	67	24.2			
10	Cu Sc	-	Ci	1	9+	2500		bcpr c	cjpr	M	ESE	4	1007.4	28.3	24.9	75	28.8			
11	Cu Fs	As	-	5	10	1500		corro	opr	M	SSW	1	1008.2	24.1	23.5	95	28.5			
12	Cu Sc	Ac As	Ci	3	9	3000		opro c	cjpr	M	Calm	0	1008.0	27.5	24.8	79	29.2			
13	Cu Cb	Ac As	-	2	9	2500		bc c	ojpr	K	N	2	1006.3	27.0	24.5	81	28.8			
14	Sc Cb	As	-	2	10	1500		ojpr	ojpr	K	E	5	1008.8	25.9	24.0	85	28.3			
15	Cu Cb	Ac	Ci	3	7	2500		orro	bcjpr	K	E	5	1009.4	27.5	25.1	82	30.0			
16	Cb Fs	As	-	4	9+	2500		bccjpr	cpr$_o$	H	E	5	1010.0	25.9	24.2	86	28.8			
17	Cu Cb	Ac	Ci	1	4	2500		cjprbc	bc	K	E	3	1009.2	28.5	24.0	67	26.2			
18	Cu	Ac	Ci	2	5	2500		bc c	bc	K	S	2	1006.9	28.2	23.5	66	25.2			
19	Cu	-	Ci	1	4	2500		bc	bc	M	NE	2	1007.2	27.6	24.8	79	29.1			
20	Cu	Ac As	-	Tr	10	2500		bcopr	cpr$_o$	K	ENE	1	1009.4	25.2	24.8	97	31.0			
21	Cu Sc	Ac As	-	3	9	1500		ojpr	c	K	CALM	0	1010.8	26.4	24.0	81	27.9			
22	Cu	Ac As	Ci	1	6	1500		o	bc	K	E	3	1010.0	29.3	26.0	76	31.0			
23	Cu Cb	Ac As	-	2	10	1500		ojpr	o	K	SE	1	1009.8	27.6	24.8	79	29.1			
24	Cu	Ac As	Ci	1	6	2500		ojpr	bc	K	E	3	1010.4	28.2	24.7	74	28.3			
25	Cu	Ac As	Ci	2	4	2500		ojpr	bc	K	ENE	3	1010.8	28.9	25.0	72	28.5			
26	Cu Sc	Ac As	Ci	Tr	7	2500		o	bc	K	ENE	2	1012.4	29.1	25.0	70	28.4			
27	Cu Cb	Ac As	-	6	9	1500		bccpr	cjpr	K	ESE	2	1010.9	26.2	25.0	91	30.8			
28	Cb Cu	Ac	-	3	3	3000		cbcjpr	bcjpr	K	E	3	1007.4	28.3	25.7	80	31.0			
29	Cb Cu	As Ac	Ci	3	7	2500		cjpro	bcjpr	M	ESE	2	1006.6	26.7	[illegible]	[illegible]	29.0			
30	Fs Cu	As	-	1	9+	1500		bcopro	cpr$_o$	K	ENE	2	1008.5	28.0	24.3	72	27.4			
31																				
Means	-	-	-	2.2	7.2	2400		-	-	-	-	2.3	1009.0	27.4	24.5	78	28.4			

1.000/7/32—3911] APIA OBSERVATORY

METEOROLOGICAL OBSERVATIONS. 3 p.m. NOVEMBER 1944

Day of Month.	CLOUD. Form. Low.	Medium.	High.	Amount of Low.	Total Amount.	Height of Base.	How Height was obtained.	WEATHER. Since previous Observation.	At Time.	Visibility.	WIND. Direction.	Force (Beaufort Scale).	Barometer reduced to M.S.L. (Millibars).	TEMPERATURE AND HUMIDITY. Dry Bulb (°).	Wet Bulb (°).	Relative Humidity (%).	Vapour Pressure (Millibars).	UPPER CLOUD. Type observed.	Direction whence coming.	Speed; Height Ratio.
1	Cu Cb	Ac	Ci	2	7	3000		c	bc	M	NE	1	1007.4	28.7	25.3	75%	29.5			
2	Cu	Ac	Ci	2	6	2500		bc	bc	M	CALM	0	1005.4	28.2	25.2	77	29.7			
3	Cu Fs	Ac As	Ci	3	9	2500		bc	cjpr	K	NNW	2	1006.3	27.8	25.2	80	30.0			
4	Cb Cu	Ac As	-	8	9	2500		bcjpr	cjpr	M	ESE	3	1007.0	28.7	25.9	79	31.2			
5	Fs Cu	Ac	Ci	3	3	1500		b cjpr	bcjpr	M	ENE	2	1008.0	29.2	25.5	73	29.7			
6	Cu Cb	Ac As	-	6	9	1000		bcpr	cpr_o	K	SW	1	1008.4	25.7	23.9	85	28.2			
7	Cu Sc	Ac	-	4	9+	2500		cpr_o	cjpr	M	E	5	1008.2	28.3	24.2	70	26.9			
8	Cu Cb	As	-	8	9+	1500		cpr_o	cjpr	M	CALM	0	1007.1	26.8	23.7	77	27.1			
9	Cu	Ac	Ci	2	7	3000		c	bc	M	E	5	1006.1	28.3	24.2	70	26.9			
10	Cu	Ac As	-	1	9+	2500		c	c	K	E	5	1005.1	28.1	25.1	77	29.5			
11	Cu Cb	As	-	3	10	1500		opr_o o	ojpr	K	NW	3	1005.3	27.1	24.5	80	28.7			
12	Cb Cu	As Ac	-	4	9+	1500		cjpr	cjpr	K	E	4	1005.5	27.0	24.8	83	29.6			
13	Cb Fs	As	-	5	10	1000		orr	ojpr	H	CALM	0	1005.8	25.5	24.2	89	29.2			
14	Cb Fs	As	-	4	10	2500		ojpr	orr	K	E	6	1007.2	24.5	23.9	95	29.2			
15	Cu Sc	Ac	Ci	2	6	2500		cjpr bc	bc	M	E	6	1007.4	28.5	25.8	80	31.1			
16	Sc Cb	Ac As	Ci	2	8	2500		cjpr	cjpr	K	E	5	1008.0	29.0	24.9	69	27.7			
17	Cb Cu	Ac	Ci	1	3	3000		bc bc	bc	K	E	4	1006.4	29.8	24.9	66	27.6			
18	Cu Sc	Ac	-	6	6	2500		b bc	bc	K	E	3	1004.9	29.1	25.2	72	28.9			
19	Cu Cb	Ac	Ci	3	3	2500		bc	bc	M	ENE	3	1006.0	29.0	25.1	72	28.7			
20	Cu	Ac As	Cs	2	10	2500		cpr_o	c	M	W	2	1007.0	27.8	25.5	83	30.8			
21	Cu Sc	Ac As	-	3	10	1500		o	o	K	ENE	2	1008.5	27.8	25.0	79	29.4			
22	Cu Cb	Ac As	-	3	10	1500		o	o	K	NNE	2	1007.6	27.8	25.0	79	29.4			
23	Cu Cb	Ac As	-	2	9	2500		c	c	K	E	4	1007.2	28.4	25.4	78	30.1			
24	Cu Sc	As Ac	-	2	10	1500		c	o	K	ENE	6	1007.4	28.4	24.9	74	28.7			
25	Cu	As Ac	Ci	Tr	9+	3000		bc c	c	K	ESE	6	1008.6	28.1	24.2	71	27.1			
26	Cu Cb	Ac As	Ci	1	5	1500		bc	bc	K	ENE	5	1009.6	29.4	25.2	69	28.4			
27	Cu Cb	As Ac	Ci	3	8	2500		bcjpr	cjpr	K	E	4	1007.3	29.5	26.0	75	30.8			
28	Cu Sc	As Ac	Ci	7	9+	3000		bc	c	M	E	3	1006.0	28.7	25.3	75	29.5			
29	Cu Sc	Ac As	Ci	3	8	2000		bcjpr	cjpr	M	E	1	1005.8	28.2	24.5	73	27.8			
30	Cu Sc	Ac As	-	Tr	10	1500		cjpr	c	K	ENE	1	1007.1	28.9	25.3	74	29.4			
31																				
Means	-	-	-	3.2	8.2	2200		-	-	-	-	3.8	1006.9	28.1	24.9	77	29.0			

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METEOROLOGICAL OBSERVATIONS.

NOVEMBER 1944

Day of Month.	Thermometers. Maximum (°)	Minimum (°)	Grass Minimum (°)	Black Bulb in vacuo (°)	Rainfall (mm.)	Sunshine (hrs.)	Heat Integrator.	Evaporimeter.
1	29.9	22.2	18.1		2.0	6.2		1.4
2	29.5	23.3	18.3		-	8.2		1.5
3	29.2	23.3	18.2		-	8.2		1.8
4	29.4	23.0	18.2		-	7.3		1.6
5	29.5	23.2	18.3		1.8	8.9		2.2
6	29.5	24.3	19.1		4.1	7.3		2.4
7	30.1	23.5	19.3		6.6	4.4		1.8
8	29.4	23.2	19.7		2.6	4.2		1.6
9	29.3	23.0	19.4		1.6	4.9		2.4
10	29.2	22.5	22.4		10.5	3.7		1.4
11	29.2	23.3	22.5		Trace	4.8		1.0
12	28.8	23.2	22.3		2.9	3.0		1.6
13	27.2	24.0	22.8		40.5	0.0		0.6
14	27.8	22.8	21.9		8.6	0.8		0.9
15	29.0	23.6	22.1		-	10.5		2.0
16	29.2	23.8	22.0		3.9	5.6		2.0
17	30.5	23.2	21.1		-	11.6		3.2
18	30.2	23.8	21.1		-	8.0		2.4
19	29.8	23.3	21.1		28.8	9.4		1.2
20	28.8	23.0	22.4		0.7	1.7		1.6
21	29.5	23.5	21.9		-	0.4		1.5
22	29.9	23.8	22.3		-	5.4		1.8
23	30.0	24.4	23.3		0.1	2.5		1.8
24	29.8	24.5	22.8		-	4.2		2.7
25	29.8	25.1	23.3		-	6.1		3.0
26	29.9	23.9	22.1		2.2	8.4		2.3
27	29.8	23.8	22.2		-	4.5		2.8
28	30.1	23.3	20.1		0.9	7.3		2.0
29	29.2	24.1	19.9		33.8	5.5		1.4
30	29.0	24.2	19.9		0.3	0.0		2.2
31								
Sums	-	-	-		151.9	163.0		56.1
Mean	29.4	23.5	20.9		5.1	5.4		1.9

1,000/7/32—3911] APIA OBSERVATORY

METEOROLOGICAL OBSERVATIONS.

9 a. m. DECEMBER 1944

Day of Month.	CLOUD. Form. Low.	Medium.	High.	Amount of Low.	Total Amount.	Height of Base.	How Height was obtained.	WEATHER. Since previous Observation.	At Time.	Visibility.	WIND. Direction.	Force (Beaufort Scale).	Barometer reduced to M.S.L. (Millibars).	TEMPERATURE AND HUMIDITY. Dry Bulb (°).	Wet Bulb (°).	Relative Humidity (%).	Vapour Pressure (Millibars).	UPPER CLOUD. Type observed.	Direction whence coming.	Speed ; Height Ratio.
1	Fs Sc	As	-	5	9+	2000		copr$_o$c	c	K	ESE	3	1007.8	26.5	25.0	88	30.5			
2	Cb Cu	Ac	-	5	8	2000		cor o	cjpr	K	E	4	1008.8	28.4	25.4	78	30.1			
3	Cu Sc	-	-	2	2	3000		cjpr	b	K	E	5	1009.1	29.2	26.0	77	31.1			
4	Cu	Ac As	-	2	7	2500		b	bc	K	ESE	3	1008.3	29.0	25.9	77	30.9			
5	Sc Cu	Ac As	-	2	10	1500		o	o	K	E	2	1009.0	28.8	26.1	80	31.7			
6	Cu Sc	Ac As	Ci	1	1	2500		b	b	K	E	1	1008.7	28.5	25.0	74	28.9			
7	Cu Sc	Ac	-	1	1	2500		b	b	K	W	1	1008.1	28.5	25.1	75	29.1			
8	Cu	Ac	-	1	1	3000		b	b	M	E	2	1008.6	29.7	26.4	76	31.8			
9	Cu Sc	Ac	-	2	7	2500		b	bcjpr	K	E	3	1011.0	29.0	25.9	77	30.9			
10	Cu Sc	-	Ci	Tr	1	2500		b	b	K	ESE	2	1011.3	29.2	24.8	69	27.8			
11	Cu	As	Ci	1	9	2500		bcco	c	K	E	4	1008.9	29.2	24.6	67	27.3			
12	Cu Sc	Ac As	Ci	5	10	1500		co	cjpr	H	ENE	3	1007.1	27.8	25.7	84	31.4			
13	Cu	Ac As	Ci Cs	2	10	3000		or	o	M	CALM	0	1007.6	28.1	25.2	78	29.7			
14	Cu	Ac	Ci	2	2	3000		cjpr	b	M	CALM	0	1006.1	28.1	24.6	74	28.1			
15	Cu	Ac	Cs	1	2	3000		cpr$_o$	bc	M	N	1	1006.0	28.0	24.0	70	26.6			
16	Cu	Ac As	Ci	1	9+	2500		ojpr$_o$	c	M	CALM	0	1006.8	27.8	24.3	74	27.6			
17	Cu	-	Cs	Tr	3	3500		ojprcbc	bc	M	CALM	0	1008.3	27.9	22.8	63	23.7			
18	Sc Cu	Ac	-	2	2	3000		cbc	b	M	ESE	3	1008.7	28.4	23.1	63	24.0			
19	Cu	Ac	-	Tr	Tr	3500		bc	b	M	CALM	0	1008.9	28.2	23.2	64	24.4			
20	Cu	Ac	-	Tr	9	3500		bc	c	M	CALM	0	1009.3	27.8	23.7	70	26.0			
21	Cu	Ac	Ci	1	2	3000		cb	b	M	ENE	1	1007.9	28.8	25.1	73	28.9			
22	Cu Sc	Ac As	-	3	10	2000		bcrro	o	M	CALM	0	1007.3	25.1	24.0	91	29.0			
23	Cu	Ac	Ci	2	7	3000		opr prc	bc	K	ESE	1	1008.8	27.9	25.1	79	29.6			
24	Cu Sc	As	-	5	10	2000		orrio	ojpr	K	SE	2	1009.6	23.9	23.1	93	27.6			
25	Cu Cb	As Ac	Ci	1	6	2500		cczjpr	bc	K	E	3	1010.2	26.0	24.8	90	30.4			
26	Cu Sc	As Ac	-	5	9	2500		cpr c	c	K	E	2	1008.7	27.9	25.5	82	30.7			
27	Cu	Ac	Ci	2	3	2500		bcopr$_o$	bc	K	E	2	1009.0	28.1	25.2	78	29.7			
28	Cu	Ac As	-	2	8	3000		bc b	c	K	ENE	4	1010.6	29.4	26.0	75	30.9			
29	Cu	Ac As	-	2	7	3000		bcjpr	bc	K	S	1	1011.2	27.9	25.0	78	29.4			
30	Cu	Ac	-	1	4	2500		bcbcjpr	bc	K	ENE	4	1010.0	28.5	25.2	75	29.4			
31	Cu	-	Ci	Tr	Tr	3000		cb	b	M	E	3	1009.5	28.2	25.0	76	29.1			
Means	-	-	-	1.9	5.5	2600		-	-	-	-	1.9	1008.7	28.1	24.9	76	28.9			

1,000/7/32—3911] APIA OBSERVATORY

METEOROLOGICAL OBSERVATIONS. 3 p.m. DECEMBER 1944

Day of Month.	CLOUD. Form. Low.	Medium.	High.	Amount of Low.	Total Amount.	Height of Base.	How Height was obtained.	WEATHER. Since previous Observation.	At Time.	Visibility.	WIND. Direction.	Force (Beaufort Scale).	Barometer reduced to M.S.L. (Millibars).	TEMPERATURE AND HUMIDITY. Dry Bulb (°).	Wet Bulb (°).	Relative Humidity (%).	Vapour Pressure (Millibars).	UPPER CLOUD. Type observed.	Direction whence coming.	Speed: Height Ratio.
1	Cu Sc	As	-	6	9+	3000		c	c	K	E	2	1007.8	28.1	25.3	79	28.8			
2	Cu Sc	Ac As	Ci	2	9+	2000		bcjpr	c/pr	K	E	4	1006.9	29.1	25.8	76	30.6			
3	Cu	-	-	2	2	3000		b	b	K	E	3	1006.3	30.1	26.6	75	32.0			
4	Cu	Ac As	-	Tr.	10	1500		bc	ojpr	K	NNE	5	1006.5	26.9	25.1	86	30.4			
5	Cu Sc	Ac As	-	3	10	1500		o	o	K	N	2	1007.1	28.3	25.8	81	31.2			
6	Cu Sc	Ac	Ci	1	2	2500		c	b	K	N	2	1006.2	29.5	26.0	75	30.8			
7	Cb Cu	Ac	Ci	1	3	2500		b	bc	M	ENE	2	1006.2	28.8	25.6	76	30.3			
8	Cu	Ac	-	1	1	2500		b	b	M	ENE	4	1007.3	30.6	26.4	71	31.1			
9	Sc Cu	Ac	-	1	9	1500		bc cpr_o	c	K	E	4	1008.7	29.6	26.5	77	32.2			
10	Sc Cu	-	Ci	1	1	2500		b	b	K	ENE	6	1007.9	29.5	25.2	69	28.6			
11	Cu	As Ac	Ci	1	9+	3000		c	c	M	ENE	5	1006.4	29.1	25.1	71	28.7			
12	Cu Sc	As Ac	Ci	3	10	2500		o	o	M	E	3	1005.5	29.0	25.1	72	28.7			
13	Cb Sc	Ac As	Ci	3	9+	3000		o	cjpr	M	NNE	2	1005.1	28.8	24.9	72	28.4			
14	Cu Cb	Ac As	Ci	3	9+	1000		bcjpr	cpr	K	WSW	2	1004.4	27.5	24.9	80	29.4			
15	Cu Cb	Ac As	Ci	4	10	2500		bccpr$_o$	ojpr	M	SE	1	1004.6	26.6	24.3	82	28.5			
16	Cu Cb	Ac As	-	1	10	2500		o	ojpr	K	ESE	1	1005.7	26.8	23.9	78	27.3			
17	Cu	Ac	Ci Cs	2	8	3000		bc o	c	M	NE	2	1006.3	28.9	23.0	59	23.3			
18	Cu Sc	Ac	-	2	2	3000		b	b	M	WNW	2	1006.9	28.8	24.0	66	26.0			
19	Cu	Ac	-	1	1	3500		b	b	M	E	5	1006.4	29.5	25.0	68	28.1			
20	Cu	Ac As	-	1	9	1500		cpr_o	cjpr	M	E	2	1006.9	28.7	25.0	73	28.7			
21	Cu Sc	Ac	Ci	3	6	3500		b bc	bc	M	NE	1	1005.7	29.6	25.5	71	29.3			
22	Cu	Ac As	-	1	10	2000		opr_o	ojpr	M	E	1	1006.3	27.2	23.8	74	26.8			
23	Cu Sc	As	Ci	7	9	1500		c	cpr_o	H	N	3	1006.8	28.1	24.3	72	27.3			
24	Cu Sc	As Ac	-	2	9	2500		cjpr	c	K	CALM	0	1006.4	27.5	24.1	74	27.3			
25	Cu Cb	Ac As	-	3	9+	2500		c	cpr_o	K	N	3	1007.2	27.5	25.5	85	31.0			
26	Cu	Ac	Ci	3	4	2500		c	bc_o	K	NE	3	1006.6	29.2	25.5	73	29.7			
27	Cu	Ac	Ci	3	4	2500		bc b	bc	M	E	4	1007.5	30.0	25.9	71	30.1			
28	Cu Cb	As Ac	-	Tr.	9	1500		ojpr	cjpr	K	CALM	0	1011.0	25.3	24.3	92	29.6			
29	Cu	Ac	-	2	4	2500		bc	bc	M	E	3	1009.8	30.0	26.1	72	30.7			
30	Cu	-	Ci	Tr.	8	2500		bc c	c	M	E	3	1008.6	29.8	25.0	66	27.8			
31	Cu	-	Ci	1	4	2500		b bc	bc	M	ENE	4	1007.5	30.0	26.2	73	31.0			
Means	-	-	-	2.1	6.9	2400		-	-	-	-	2.7	1006.9	28.7	25.1	75	29.1			

METEOROLOGICAL OBSERVATIONS.

DECEMBER 1944

Day of Month.	Thermometers. Maximum (°)	Minimum (°)	Grass Minimum (°)	Black Bulb in vacuo (°)	Rainfall (mm.)	Sunshine (hrs.)	Heat Integrator.	Evaporimeter
1	30.2	25.2	19.8		5.7	1.5		0.8
2	30.8	24.2	19.7		-	2.2		2.6
3	30.5	26.6	23.9		0.4	11.3		3.1
4	30.3	23.4	19.0		1.4	5.4		1.8
5	29.0	25.1	22.4		1.5	5.9		1.5
6	29.3	24.0	22.7		-	9.5		1.9
7	30.4	24.2	22.2		0.3	9.2		2.0
8	31.2	24.1	21.9		6.3	11.6		2.1
9	30.9	25.5	23.8		13.6	9.3		0.8
10	30.5	24.7	21.6		-	11.7		2.7
11	30.1	24.3	22.1		-	6.2		3.0
12	29.8	24.5	21.9		23.8	1.7		1.7
13	29.2	23.8	22.6		1.4	4.7		1.9
14	30.0	23.7	21.4		9.3	5.6		1.2
15	29.1	22.9	21.4		-	5.1		1.8
16	28.8	23.5	21.9		Trace	1.0		1.6
17	29.6	21.8	19.3		-	11.7		3.1
18	30.6	23.2	21.7		-	8.7		3.0
19	29.9	23.0	21.2		-	10.0		3.0
20	29.9	23.2	21.7		Trace	3.2		2.1
21	30.0	23.6	21.6		16.2	8.5		0.8
22	28.3	23.8	22.3		8.2	0.3		1.4
23	29.3	23.3	22.1		46.6	7.2		0.5
24	28.9	22.3	21.8		12.6	0.3		1.2
25	29.8	23.8	22.5		2.7	3.9		1.0
26	29.7	24.5	22.7		0.8	7.6		2.2
27	30.9	23.8	22.5		-	9.2		2.4
28	30.5	24.2	22.3		15.1	4.7		1.2
29	30.2	22.2	21.2		12.5	7.6		1.6
30	30.1	24.9	22.7		-	8.7		2.7
31	30.0	22.1	20.5		-	11.8		2.2
Sum	-	-	-		178.4	205.3		58.9
Mean	29.9	23.9	21.7		-	6.6		1.9

METEOROLOGICAL ELEMENTS: EXTREME VALUES, NORMALS AND VARIATIONS, 1944

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Pressure													
Normal (mb)	1007.6	1008.3	1009.1	1009.8	1010.9	1011.5	1011.7	1012.1	1012.0	1011.2	1009.3	1008.1	1010.1
Variation 1944	0.0	+1.1	+1.2	+0.1	0.0	-0.4	+0.6	+0.5	-0.5	-0.5	-1.3	-0.2	+0.1
Absolute Maximum	1012.3	1014.2	1014.6	1013.7	1014.2	1015.1	1016.7	1017.8	1015.4	1015.2	1012.4	1011.8	1017.8
Absolute Minimum	1001.1	1006.1	1006.5	1005.6	1007.0	1007.6	1007.3	1008.0	1007.2	1007.1	1004.2	1003.9	1001.1
Temperature													
Normal (°C)	26.27	26.26	26.31	26.18	25.97	25.59	25.29	25.59	25.79	26.07	26.08	26.32	25.98
Variation 1944	+0.42	+0.01	+0.56	+0.56	+0.62	+0.76	+0.40	+0.50	+0.57	-0.06	+0.04	+0.26	+0.38
Absolute Maximum	32.3	30.5	31.0	31.7	30.8	30.3	30.7	30.2	30.3	30.1	30.5	31.2	32.3
Absolute Minimum	22.5	22.7	23.0	22.0	22.0	22.3	20.1	21.0	22.6	20.1	22.2	21.8	20.1
Greatest Daily Range ..	7.5	7.3	7.1	8.3	7.1	7.5	9.1	8.2	6.6	7.9	7.7	8.0	9.1
Mean Maximum	29.32	29.10	30.03	30.02	29.79	29.63	28.95	29.13	29.30	29.12	29.42	29.93	29.48
Mean Minimum	24.36	23.71	24.08	23.96	23.90	23.69	22.87	23.32	23.96	23.33	23.54	23.85	23.71
Rainfall													
Normal (mm)	455	385	358	255	161	130	82	89	133	169	267	370	2854
Variation 1944	+72	-162	-135	+159	-45	-40	-24	-24	+270	+136	-115	-192	-100
Sunshine													
Normal (hours)	160	158	185	195	215	210	232	238	224	222	187	174	2400
Variation 1944	-26	+2	+74	+10	+34	+23	+2	-13	-10	-14	-24	+31	+89

PRESSURE: MEANS OF HOURLY VALUES, 1944

From readings in millibars at exact hours (1000 mb. + tabular values)

Hour	1	2	3	4	5	6	7	8	9	10	11	noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Month																									
January	8.07	7.32	6.80	6.59	6.70	7.17	7.98	8.31	8.54	8.71	8.34	7.99	7.55	7.14	6.74	6.47	6.44	6.74	7.47	7.91	8.33	8.69	8.82	8.72	7.65
February	9.99	9.50	9.02	8.78	8.87	9.21	9.84	10.29	10.47	10.45	10.15	9.70	9.18	8.65	8.17	7.93	7.97	8.30	9.01	9.45	9.99	10.42	10.57	10.39	9.43
March	10.84	10.33	9.94	9.74	9 89	10.18	10.49	11.06	11.30	11.48	11.20	10.61	10.02	9.42	8.99	8.74	8.91	9.21	9.73	10.37	11.01	11.31	11.33	11.16	10.30
April	10.44	9.85	9.59	9.44	9.45	9.67	10.09	10.65	11.07	11.20	10.92	10.41	9.74	9.03	8.60	8.38	8.62	8.98	9.44	10.20	10.62	10.84	10.85	10.68	9.95
May	11.34	10.96	10.63	10.45	10.46	10.59	11.06	11.67	12.08	12.31	12.07	11.46	10.63	10.01	9.41	9.18	9.28	9.64	10.31	10.92	11.35	11.62	11.63	11.55	10.86
June	11.38	11.09	10.76	10.59	10.57	10.69	11.18	11.72	12.31	12.52	12.32	11.73	10.95	10.25	9.70	9.49	9.61	9.99	10.69	11.24	11.69	11.79	11.68	11.55	11.06
July	12.84	12.61	12.31	12.07	12.02	12.06	12.26	12.86	13.34	13.57	13.39	12.72	11.94	11.33	10.69	10.54	10.80	11.22	11.72	12.47	12.92	13.16	13.14	13.03	12.29
August	13.02	12.69	12.44	12.33	12.34	12.52	12.88	13.43	13.85	13 94	13.67	13.03	12.28	11.45	11.00	10.76	11.06	11.51	12.23	12.84	13.26	13.42	13.40	13.28	12.61
September	11.96	11.40	11.02	10.91	10.98	11.34	11.96	12.48	12.80	12.97	12.65	11.86	11.22	10.62	10.09	9.88	10.04	10.47	11.22	11.75	12.20	12.39	12.43	12.25	11.54
October	10.93	10.47	10.17	9.96	10.10	10.41	11.07	11.54	11.80	11.82	11.67	11.14	10.50	9.84	9.50	9.19	9.29	9.75	10.44	10.84	11.15	11.38	11.48	11.30	10.66
November	8.42	7.82	7.51	7.39	7.50	7.76	8.51	8.82	9.03	9.05	8.92	8.48	7.87	7.25	6.92	6.74	6.85	7.14	7.77	8.18	8.52	8.71	8.82	8.68	8.03
December	8.05	7.53	7.17	7.02	7.20	7.66	8.39	8.60	8.72	8.79	8.64	8.15	7.70	7.23	6.85	6.63	6.74	7.00	7.62	8.03	8.49	8.74	8.85	8.68	7.85
Year	10.61	10.13	9.78	9.61	9.67	9.94	10.48	10.95	11.28	11.40	11.16	10.61	9.97	9.35	8.89	8.66	8.80	9.16	9.80	10.35	10.79	11.04	11.08	10.94	10.19
Wet Season 1943-44	8.60	7.97	7.54	7.38	7.51	7.88	8.69	9.02	9.22	9.27	8.94	8.49	8.03	7.55	7.16	6.91	6.92	7.27	7.98	8.39	8.83	9.20	9.29	9.12	8.22
Dry Season 1944	12.15	11.84	11.53	11.36	11.35	11.47	11.85	12.42	12.89	13.09	12.86	12.23	11.45	10.76	10.20	9.99	10.19	10.59	11.24	11.87	12.31	12.50	12.46	12.35	11.71

PRESSURE: DIURNAL CHANGES, 1944

The departures in millibars from the mean of the day are adjusted for non-cyclic change

Hour	Mean	1	2	3	4	5	6	7	8	9	10	11	noon	13	14	15	16	17	18	19	20	21	22	23	24
Month	1000 +																								
January	7.65	+0.46	-0.29	-0.82	-1.03	-0.92	-0.46	+0.35	+0.67	+0.90	+1.07	+0.69	+0.34	-0.10	-0.52	-0.92	-1.19	-1.23	-0.93	-0.21	+0.23	+0.65	+1.00	+1.13	+1.02
February	9.43	+0.56	+0.07	-0.41	-0.65	-0.56	-0.22	+0.41	+0.86	+1.04	+1.02	+0.72	+0.27	-0.25	-0.78	-1.26	-1.50	-1.46	-1.13	-0.42	+0.02	+0.56	+0.99	+1.14	+0.96
March	10.30	+0.54	+0.03	-0.36	-0.56	-0.41	-0.12	+0.19	+0.76	+1.00	+1.18	+0.90	+0.31	-0.28	-0.88	-1.31	-1.56	-1.39	-1.09	-0.57	+0.07	+0.71	+1.01	+1.03	+0.86
April	9.95	+0.51	-0.08	-0.34	-0.49	-0.49	-0.27	+0.15	+0.71	+1.13	+1.25	+0.97	+0.46	-0.21	-0.92	-1.36	-1.58	-1.34	-0.98	-0.52	+0.23	+0.65	+0.87	+0.88	+0.70
May	10.86	+0.48	+0.10	-0.23	-0.41	-0.40	-0.27	+0.20	+0.81	+1.22	+1.45	+1.21	+0.60	-0.23	-0.85	-1.45	-1.68	-1.58	-1.22	-0.55	+0.06	+0.49	+0.76	+0.77	+0.69
June	11.06	+0.37	+0.07	-0.26	-0.44	-0.46	-0.34	+0.14	+0.68	+1.26	+1.47	+1.26	+0.67	-0.11	-0.82	-1.37	-1.59	-1.47	-1.10	-0.40	+0.15	+0.59	+0.69	+0.57	+0.44
July	12.29	+0.55	+0.32	+0.02	-0.22	-0.27	-0.23	-0.03	+0.57	+1.05	+1.28	+1.10	+0.43	-0.35	-0.96	-1.60	-1.75	-1.49	-1.07	-0.57	+0.18	+0.63	+0.87	+0.85	+0.74
August	12.61	+0.43	+0.09	-0.16	-0.27	-0.26	-0;08	+0.28	+0.83	+1.24	+1.33	+1.06	+0.42	-0.33	-1.16	-1.61	-1.86	-1.56	-1.11	-0.39	+0.22	+0.64	+0.80	+0.77	+0.65
September	11.54	+0.36	-0.20	-0.57	-0.68	-0.60	-0.23	+0.39	+0.92	+1.24	+1.42	+1.10	+0.32	-0.31	-0.91	-1.43	-1.64	-1.47	-1.04	-0 28	+0.26	+0.71	+0.91	+0.95	+0.78
October	10.66	+0.26	-0.19	-0.49	-0.70	-0.56	-0.25	+0.41	+0.88	+1.14	+1.16	+1.01	+0.48	-0.16	-0.82	-1.16	-1.47	-1.37	-0.91	-0.22	+0.18	+0.49	+0.72	+0.83	+0.65
November	8.03	+0.36	-0.24	-0.55	-0.66	-0.55	-0.29	+0.47	+0.78	+0.99	+1.01	+0.89	+0.45	-0.16	-0.77	-1.10	-1.28	-1.17	-0.87	-0.24	+0.17	+0.52	+0.71	+0.82	+0.68
December	7.85	+0.22	-0.30	-0.66	-0.81	-0.64	-0.18	+0.55	+0.76	+0.88	+0.94	+0.79	+0.30	-0.15	-0.62	-1.01	-1.23	-1.12	-0.86	-0.24	+0.16	+0.62	+0.87	+0.98	+0.80
Year	10.19	+0.43	-0.05	-0.40	-0.58	-0.51	-0.25	+0.29	+0.77	+1.09	+1.21	+0.97	+0.42	-0.22	-0.83	-1.30	-1.53	-1.39	-1.03	-0.38	+0.16	+0.61	+0.85	+0.89	+0.75
Wet Season 1943-44	8.22	+0.37	-0.26	-0.69	-0.85	-0.72	-0.34	+0.47	+0.80	+1.00	+1.05	+0.72	+0.27	-0.18	-0.67	-1.05	-1.31	-1.29	-0.94	-0.23	+0.19	+0.63	+0.99	+1.09	+0.91
Dry Season 1944	11.71	+0.46	+0.15	-0.16	-0.33	-0.35	-0.23	+0.15	+0.72	+1.19	+1.38	+1.16	+0.53	-0.25	-0.95	-1.51	-1.72	-1.53	-1.13	-0.48	+0.15	+0.59	+0.78	+0.74	+0.63

TEMPERATURE: MEANS OF HOURLY VALUES, 1944

From readings in degrees centigrade at exact hours

Hour	1	2	3	4	5	6	7	8	9	10	11	noon	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Month																									
January	25.36	25.32	25.41	25.28	25.31	25.40	25.55	26.65	27.58	28.02	28.21	28.18	28.15	28.27	28.16	27.82	27.54	27.30	26.85	26.62	26.27	26.00	25.74	25.53	26.69
February	25.02	24.80	24.65	24.54	24.47	24.50	24.44	25.26	26.75	27.70	28.02	28.06	27.89	28.03	27.75	27.69	27.55	27.31	26.90	26.50	26.10	25.75	25.51	25.22	26.27
March	25.14	24.99	24.98	24.91	24.88	24.83	24.87	25.95	27.90	28.84	29.13	29.29	29.24	29.03	28.99	28.74	28.33	27.96	27.38	26.68	26.15	25.86	25.53	25.28	26.87
April	24.97	24.82	24.78	24.65	24.67	24.72	24.72	26.37	27.49	28.79	28.92	29.03	29.08	29.22	28.80	28.69	28.33	27.74	26.98	26.56	26.07	25.74	25.41	25.27	26.74
May	24.84	24.68	24.60	24.50	24.41	24.36	24.30	25.42	27.44	28.60	29.12	29.01	29.07	29.02	28.96	28.66	28.26	27.82	27.05	26.40	25.90	25.44	25.16	25.05	26.59
June	24.63	24.46	24.34	24.24	24.14	21.02	23.91	25.09	26.88	27.94	28.54	28.70	28.82	28.82	28.88	28.58	28.19	27.72	26.98	26.29	25.87	25.42	25.07	24.82	26.35
July	24.31	24.25	23.99	23.87	23.79	23.70	23.68	24.47	26.04	27.22	27.68	28.08	27.92	27.99	27.91	27.58	26.96	26.41	25.66	25.47	25.22	24.99	24.77	24.64	25.69
August	24.84	24.50	24.21	23.87	23.68	23.85	24.31	25.33	26.96	27.71	28.02	28.16	28.27	28.40	28.18	27.94	27.35	26.73	26.07	26.01	25.80	25.47	25.25	25.07	26.09
September	25.01	24.94	24.85	24.72	24.71	24.92	25.12	25.80	27.29	27.66	28.15	28.42	28.24	28.31	27.95	27.81	27.45	27.05	26.37	26.09	25.76	25.54	25.31	25.13	26.36
October	24.61	24.39	24.25	24.16	24.09	24.13	24.49	25.74	27.00	27.50	27.77	27.86	27.99	27.94	27.87	27.55	27.14	26.75	26.10	25.85	25.61	25.45	25.10	24.93	26.01
November	24.77	24.38	24.13	24.03	23.88	23.84	24.80	26.10	27.32	27.99	28.19	28.29	28.44	28.39	27.99	27.66	27.15	26.73	26.15	25.82	25.57	25.28	25.08	24.81	26.12
December	24.84	24.70	24.46	24.23	24.12	24.05	24.95	26.40	27.89	28.61	28.70	28.81	28.65	28.66	28.58	28.40	28.15	27.79	27.15	26.63	26.17	25.61	25.33	25.01	26.58
Year	24.86	24.69	24.55	24.42	24.35	24.36	24.59	25.71	27.21	28.05	28.37	28.49	28.48	28.51	28.33	28.09	27.70	27.28	26.64	26.24	25.87	25.55	25.27	25.06	26.36
Wet Season 1943-44	25.10	24.90	24.78	24.63	24.55	24.59	25.15	26.17	27.69	28.31	28.47	28.45	28.45	28.33	28.25	27.97	27.67	27.37	26.99	26.47	26.09	25.79	25.51	25.26	26.54
Dry Season 1944	24.65	24.47	24.29	24.12	24.01	23.98	24.05	25.08	26.83	27.87	28.34	28.49	28.52	28.56	28.48	28.19	27.69	27.17	26.44	26.04	25.70	25.33	25.06	24.89	26.18

TEMPERATURE: DIURNAL CHANGES, 1944

The departures in degrees centigrade from the mean of the day are adjusted for non-cyclic change.

Hour	Mean	1	2	3	4	5	6	7	8	9	10	11	noon	13	14	15	16	17	18	19	20	21	22	23	24
Month																									
January	26.69	-1.33	-1.37	-1.28	-1.41	-1.38	-1.29	-1.14	-0.04	+0.89	+1.33	+1.52	+1.49	+1.46	+1.58	+1.47	+1.13	+0.85	+0.61	+0.16	-0.07	-0.42	-0.69	-0.95	-1.16
February	26.27	-1.24	-1.46	-1.61	-1.72	-1.79	-1.76	-1.82	-1.00	+0.48	+1.43	+1.75	+1.79	+1.62	+1.76	+1.48	+1.41	+1.27	+1.03	+0.62	+0.22	-0.18	-0.53	-0.77	-1.06
March	26.87	-1.73	-1.88	-1.89	-1.96	-1.99	-2.04	-2.00	-0.92	+1.03	+1.97	+2.26	+2.42	+2.37	+2.16	+2.12	+1.87	+1.46	+1.09	+0.51	-0.19	-0.72	-1.01	-1.34	-1.59
April	26.74	-1.78	-1.93	-1.97	-2.10	-2.08	-2.03	-2.03	-0.38	+0.75	+2.05	+2.18	+2.29	+2.34	+2.48	+2.06	+1.96	+1.60	+1.01	+0.25	-0.17	-0.66	-0.99	-1.32	-1.46
May	26.59	-1.76	-1.92	-2.00	-2.10	-2.19	-2.24	-2.30	-1.18	+0.85	+2.01	+2.53	+2.42	+2.48	+2.43	+2.37	+2.08	+1.68	+1.24	+0.47	-0.18	-0.68	-1.14	-1.42	-1.53
June	26.35	-1.72	-1.89	-2.01	-2.11	-2.21	-2.33	-2.44	-1.26	+0.53	+1.59	+2.19	+2.35	+2.47	+2.47	+2.53	+2.23	+1.84	+1.37	+0.63	-0.06	-0.48	-0.93	-1.28	-1.53
July	25.69	-1.37	-1.43	-1.69	-1.81	-1.89	-1.98	-2.01	-1.22	+0.35	+1.53	+1.99	+2.39	+2.23	+2.30	+2.22	+1.89	+1.27	+0.71	-0.04	-0.23	-0.48	-0.71	-0.93	-1.06
August	26.09	-1.26	-1.59	-1.88	-2.22	-2.41	-2.24	-1.78	-0.76	+0.87	+1.62	+1.93	+2.07	+2.18	+2.31	+2.09	+1.85	+1.26	+0.64	-0.02	-0.08	-0.29	-0.62	-0.83	-1.01
September	26.36	-1.36	-1.43	-1.52	-1.65	-1.66	-1.45	-1.25	-0.57	+0.93	+1.30	+1.79	+2.06	+1.88	+1.95	+1.59	+1.46	+1.10	+0.70	+0.02	-0.26	-0.59	-0.81	-1.04	-1.22
October	26.01	-1.39	-1.62	-1.76	-1.85	-1.92	-1.88	-1.52	-0.27	+0.99	+1.49	+1.76	+1.85	+1.98	+1.93	+1.86	+1.54	+1.13	+0.74	+0.09	-0.16	-0.40	-0.56	-0.92	-1.09
November	26.12	-1.32	-1.71	-1.96	-2.07	-2.22	-2.26	-1.31	-0.01	+1.21	+1.88	+2.07	+2.17	+2.32	+2.26	+1.86	+1.53	+1.02	+0.59	+0.01	-0.32	-0.58	-0.87	-1.07	-1.34
December	26.58	-1.77	-1.91	-2.14	-2.37	-2.48	-2.54	-1.64	-0.19	+1.30	+2.02	+2.12	+2.23	+2.07	+2.09	+2.01	+1.83	+1.58	+1.22	+0.59	+0.07	-0.39	-0.94	-1.22	-1.54
Year	26.36	-1.50	-1.68	-1.81	-1.95	-2.02	-2.00	-1.77	-0.65	+0.85	+1.69	+2.01	+2.13	+2.12	+2.14	+1.97	+1.73	+1.34	+0.91	+0.27	-0.12	-0.49	-0.82	-1.09	-1.30
Wet Season 1943-44	26.54	-1.44	-1.64	-1.76	-1.91	-1.99	-1.95	-1.39	-0.37	+1.15	+1.77	+1.93	+1.91	+1.91	+1.79	+1.71	+1.43	+1.13	+0.83	+0.45	-0.07	-0.45	-0.75	-1.03	-1.28
Dry Season 1944	26.18	-1.53	-1.71	-1.89	-2.06	-2.17	-2.20	-2.13	-1.11	+0.65	+1.69	+2.16	+2.31	+2.34	+2.38	+2.30	+2.01	+1.51	+0.99	+0.26	-0.14	-0.48	-0.85	-1.13	-1.28

FOURIER COEFFICIENTS: BAROMETRIC PRESSURE AND TEMPERATURE, 1944

Values of P_n and A_n in the series $\Sigma P_n \sin(15nt+A_n)$, t being Zone Time (11h 00m slow on Greenwich) expressed in hours from midnight.

Period	P_1	A_1	P_2	A_2	P_3	A_3	P_4	P_4
				Barometric Pressure				
	mb	°	mb	°	mb	°	mb	°
Wet Season 1943-44	0.33	26	1.07	146	0.13	99	0.03	319
Dry Season 1944	0.60	15	1.06	143	0.18	318	0.05	264
Year 1944	0.47	18	1.05	145	0.06	358	0.02	310
				Temperature				
	°C	°	°C	°	°C	°	°C	°
Wet Season 1943-44	1.96	237	0.48	106	0.31	355	0.16	221
Dry Season 1944	2.28	233	0.63	76	0.28	343	0.20	193
Year 1944	2.12	235	0.51	88	0.27	350	0.16	207

RELATIVE HUMIDITY, 1944

Percentage at exact even hours

Hour / Month	2	4	6	8	10	noon	14	16	18	20	22	24	Mean
January	89	89	88	85	82	81	81	82	84	86	88	88	85
February	89	90	90	86	80	81	80	81	82	87	89	89	85
March	89	88	87	83	79	77	78	80	82	85	88	88	84
April	87	87	87	85	79	77	76	77	79	84	85	86	82
May	89	88	87	85	78	77	77	78	81	86	88	88	84
June	87	87	87	85	78	77	76	78	80	85	86	86	83
July	78	79	80	76	70	67	68	70	71	74	76	77	74
August	80	81	81	78	73	71	71	72	75	76	78	79	76
September	84	85	85	83	81	77	78	79	82	83	84	84	82
October	84	83	83	77	73	73	73	75	77	79	82	83	81
November	87	86	85	80	77	76	76	78	81	85	85	86	82
December	87	87	87	81	76	76	76	76	77	82	85	86	81
Year	86	86	86	82	77	76	76	77	79	83	85	85	81
Wet Season 1943-44	87	87	87	82	78	78	77	79	80	83	86	86	83
Dry Season 1944	83	84	84	81	75	73	73	75	77	80	82	83	79

VAPOUR PRESSURE, 1944

Mean values in millibars at exact even hours

Hour	2	4	6	8	10	noon	14	16	18	20	22	24	Mean
Month													
January	28.8	28.8	28.6	29.8	30.9	31.0	31.2	30.5	30.4	29.9	29.6	28.6	29.8
February	27.9	27.7	27.7	27.8	29.8	30.8	30.3	30.1	29.8	30.1	29.4	28.6	29.1
March	28.3	27.7	27.2	27.8	31,4	31.3	31.2	31.5	30.9	29.8	29.4	28.4	29.7
April	27.2	27.0	27.0	29.2	31.4	30.9	30.9	30.3	29.5	29.3	28.1	27.8	28.7
May	27.7	27.1	26.6	27.5	30.5	30.9	30.9	30.6	30.3	29.5	28.6	28.1	29.3
June	26.9	26.3	25.9	26.9	29.4	30.3	30.1	30.5	29.8	29.1	28.0	26.9	28.4
July	23.6	23.5	23.4	23.5	25.2	25.4	25.7	25.9	24.5	24.1	24.0	23.9	24.4
August	24.7	24.1	24.1	25.3	27.1	27.1	27.5	27.1	26.3	25.7	25.5	25.2	25.6
September	26.6	26.5	25.5	27.6	30.1	29.8	30.1	29.4	29.5	28.2	27.4	26.7	28.2
October	25.7	25.2	25.0	25.4	26.8	27.5	27.5	27.6	26.9	26.4	26.9	26.1	27.2
November	26.6	25.6	25.0	27.1	29.1	29.3	29.5	29.0	28.3	28.3	27.5	26.9	27.8
December	27.0	26.3	26.1	27.8	29.7	30.1	29.9	29.5	28.7	28.5	27.9	27.3	28.1
Year	26.7	26.2	26.2	27.1	29.3	29.7	29.7	29.4	28.7	28.2	27.7	27.1	27.8
Wet Season 1943-44	27.3	26.9	26.9	27.8	30.1	30.3	29.7	29.8	29.2	28.7	28.7	27.8	28.7
Dry Season 1944	25.5	25.2	25.1	25.8	28.1	28.5	28.5	28.7	27.8	27.0	26.5	26.1	26.9

NOTE:- Values, including seasonal and annual means, are deduced from corresponding values of dry bulb temperature and relative humidity.

RAINFALL AT APIA OBSERVATORY - 1944

Month	Number of Days on which stated Amounts of Precipitation were recorded (Amount of rain in millimetres)					Total Rain Days	Total Rain-fall	Greatest Amount in 24 hours.		Greatest Amount in one hour.		
	0.2 - 0.9	1.0 - 9.9	10.0 - 24.9	25.0 - 99.9	100 and over		mm.	mm.	Date	mm.	Date	Time.
January	1	10	4	5	1	21	526.6	105.7	5th	20.8	31st,	10-11 a.m.
February	2	9	9	1	0	21	223.2	42.9	9th	22.6	9th.	11-12 p.m.
March	4	7	4	3	0	18	223.3	57.2	9th	25.9	9th.	10-11 p.m.
April	3	5	8	3	1	20	414.4	121.4	13th	27.7	13th.	11-12 p.m.
May	5	6	3	1	0	15	115.6	51.0	24th	18.5	25th.	1- 2 a.m.
June	2	6	4	0	0	12	89.7	22.6	9th	18.3	10th.	8- 9 a.m.
July	3	4	1	1	0	9	58.1	28.1	6th	20.3	6th.	0- 1 p.m.
August	3	6	1	1	0	11	64.5	32.3	29th	18.5	29th.	10-11 p.m.
September	5	6	5	5	1	22	402.5	132.9	5th	20.3	6th.	4- 5 a.m.
October	1	3	6	3	0	13	305.4	85.2	31st	19.1	3rd.	6- 7 p.m.
November	3	10	1	3	0	17	151.9	40.5	13th	24.6	29th.	6- 7 p.m.
December	3	8	6	1	0	18	178.4	46.6	23rd	31.2	24th.	2- 3 a.m.
Y e a r	35	80	52	27	3	197	2753.6	132.9	5th. Sept.	31.2	24th.Dec.	2- 3 a.m.

NOTE: The rainfall is measured at 9 a.m. each morning and entered to the previous day.
The greatest rain in an hourly period is credited to the day it occurrs.

RAINFALL IN SAMOA, 1944

(Expressed in inches)

Station	Elevation (feet)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year	Authority
UPOLU															
Aleipata									1.64	13.65	14.33	18.20	14.62		Police Station
Aleisa	910	25.34	12.74	10.10	15.41	7.97	3.14	0.58	2.68	20.45	9.85	12.40	10.84	131.50	N.Z. Reparation Estates
Faleula				6.79	14.97	2.22	3.38	0.46	1.44	11.20	5.70	4.13	10.91		Tolo Laupu'e
Iotofaga	40	17.42	10.50	7.30	12.38	10.99	23.93	10.15	7.04	25.53	20.16	16.25	13.67	175.32	Rev. Father Beauchemin
Mulifanua	14	13.45	8.42	6.39	6.04	5.40	6.46	0.69	2.81	15.88	7.16	6.75	2.62	82.07	N.Z. Reparation Estates
Mulinu'u	5	20.72	8.79	8.79	16.32	4.55	3.53	2.29	2.54	15.85	12.02	5.98	7.02	108.40	Apia Observatory
Mulivai	6											15.74	15.91		Rev. Father Gaucher
Piula	65	10.44	22.97	8.35	25.01	14.96	12.00	4.61	3.27	24.16	18.56	15.89	10.16	170.38	Rev. R.W. Allardice
Tafa'igata	550	25.38	14.72	5.21	17.62	2.77	0.78	5.55	8.30	2.31	4.52	9.31	5.74	102.21	N.Z. Reparation Estates
Tuana'imato	105	23.84	10.70	8.38	9.61	6.66	1.65	0.40	2.58	18.22	12.44	9.13	8.51	112.12	N.Z. Reparation Estates
Vaipapa	720	23.37	12.59		9.63	15.76	6.25	2.39	3.06	21.98	11.11	12.32	8.50		N.Z. Reparation Estates
Vaipoto	400	30.86	20.44	10.37	18.74	8.31	2.32	0.60	3.56	23.20	11.66	13.17	11.71	154.94	Mr. A.R. Cobcroft
Vaitele	20		9.34	8.87	17.50	5.79	2.61	0.93	2.88	15.92					N.Z. Reparation Estates
SAVAI'I															
Fagamalo	8					4.22	3.79			16.24	7.72	9.01	6.55		The Wireless Operator
Falealupo	8	23.49			10.65		1.97	3.85	1.98	5.87	4.03	15.33			Rev. Father Bourke
Tuasivi	25	16.40	15.22	6.08	8.44	5.34	6.55	1.96	4.53	22.54	7.93	10.50	7.55	113.04	The Resident Commissioner
Vaipouli	210				13.48	3.48	5.14	3.67	6.74	23.75	16.95	8.70	11.99		Superintendent of Schools
TUTUILA (American Samoa)															
Tafuna		15.01	13.41	6.44	8.59	8.18	14.61	2.77	4.54	9.92	6.61	24.73	11.20	126.01	U.S. Naval Authorities
Ia'u Manu'a		17.41	19.04	13.54			13.11		12.50	11.40	18.45	24.25	7.80		U.S. Naval Authorities

NOTE: (1) The rim of the gauge is generally at a height of one or two feet above the ground.

(2) Most of the gauges in use are of the Meteorological Office (London) pattern with a deep funnel five inches in diameter. A tapered glass measure in inches is used.

(3) Some of the sites are not strictly conventional owing to the profuse growth of vegetation i.e. surrounding objects may be nearer the gauge than twice their own height.

(4) The readings of the rain gauge at many of the stations given in this table are made in the morning and entered ("thrown back") to the previous day while at other stations the readings are entered to the same day.

DURATION OF BRIGHT SUNSHINE, 1944

Aggregate duration of bright sunshine occuring between the exact hours of apparent solar time and the percentage of possible duration of sunshine for the month.

Hour of day	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	Total	%
M o n t h																	
January	00.4	10.9	15.2	14.4	14.0	14.7	15.1	13.1	08.3	08.2	05.9	06.9	05.9	00.7	00.0	133.7	34
February	00.3	10.7	16.0	19.7	17.1	15.3	15.9	14.9	12.3	10.9	10.3	08.7	07.0	00.8	00.0	159.9	44
March	00.0	13.7	22.2	25.1	27.3	28.1	24.4	24.1	24.8	23.2	21.3	18.0	07.0	00.0	00.0	259.2	69
April	00.0	07.2	18.2	22.3	22.0	20.7	20.2	19.8	19.5	19.0	16.4	13.7	05.5	00.3	00.0	204.8	58
May	00.0	08.2	21.6	26.0	28.0	24.7	22.5	22.1	22.1	20.8	21.1	17.5	07.7	00.1	00.0	242.4	68
June	00.0	05.7	19.6	21.9	24.4	23.2	22.7	25.0	22.4	22.1	20.1	18.4	06.3	01.0	00.7	233.5	69
July	00.0	06.7	19.0	23.3	26.0	23.9	25.4	23.5	21.9	22.7	18.0	18.3	05.6	00.0	00.0	234.3	66
August	00.0	07.7	20.2	22.9	24.3	23.7	22.5	22.8	22.7	21.4	17.7	13.1	06.4	00.0	00.0	225.4	62
September	00.0	07.6	18.1	19.2	21.4	25.0	25.3	23.3	19.2	18.0	15.6	15.0	06.1	00.0	00.0	213.8	59
October	00.0	11.1	19.0	18.3	20.9	16.6	18.5	19.6	20.7	19.7	19.0	15.9	09.0	00.0	00.0	208.3	54
November	00.0	11.7	15.9	15.9	18.3	19.6	18.6	17.5	15.5	13.5	09.6	03.7	02.9	00.3	00.0	163.0	43
December	00.3	13.3	19.3	20.6	22.6	21.2	19.9	18.5	18.6	15.0	13.1	10.2	10.7	02.0	00.0	205.3	51
T o t a l	1.0	114.5	224.3	249.6	266.3	256.7	251.0	244.2	228.0	214.5	188.1	159.4	80.1	05.2	00.7	2483.6	56

ANALYSIS OF SUNSHINE, 1944

Clear days - more than 7 hours bright sunshine.

Cloudy days - less than 3 hours bright sunshine.

Month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year.
Clear	8	12	26	17	20	21	21	17	17	17	11	16	203
Partly Cloudy	9	6	3	8	8	5	8	11	10	7	13	9	97
Cloudy	14	11	2	5	3	4	2	3	3	7	6	6	66

WIND, 1944

Means of Hourly Values of Wind Speed in Miles per hour

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Mean
Month																									
January	4.8	5.1	5.5	5.8	6.0	6.1	6.2	5.5	6.0	7.2	7.9	8.0	8.2	8.4	8.9	9.5	8.2	6.6	6.2	5.8	5.4	4.9	4.2	4.7	6.5
February	5.0	4.2	3.4	3.5	3.7	3.7	4.0	3.2	3.9	5.9	7.2	8.0	8.4	9.0	8.1	8.0	8.3	6.8	5.2	4.8	4.3	4.5	4.0	3.6	5.5
March	3.9	3.5	3.8	3.5	3.8	4.4	4.0	2.9	2.9	4.1	5.5	6.2	6.1	6.4	6.6	6.2	6.2	6.1	4.8	3.3	3.0	3.6	3.6	3.3	4.5
April	4.1	3.2	3.4	3.3	3.1	2.8	2.9	3.1	3.9	6.0	7.4	7.6	7.8	7.9	8.0	8.2	7.5	7.8	5.7	4.1	3.9	4.5	3.5	3.5	5.1
May	2.1	2.3	2.7	2.3	2.2	2.0	2.2	2.1	2.2	5.2	7.1	9.0	9.5	9.2	9.5	9.5	8.8	8.7	6.3	4.3	3.4	2.6	2.7	2.4	4.9
June	3.1	2.5	2.5	2.1	2.6	2.3	2.0	2.6	3.0	6.2	8.4	9.2	9.5	10.4	11.4	10.2	9.6	8.3	6.2	4.0	2.6	2.8	3.0	3.1	5.3
July	6.5	6.2	5.5	4.7	4.7	5.0	5.0	5.8	7.1	10.1	13.3	13.8	14.6	15.5	15.7	15.7	14.5	13.1	9.9	8.8	8.1	8.3	7.2	7.0	9.4
August	8.2	7.0	7.3	7.7	7.7	7.3	7.0	7.3	9.9	13.3	14.9	16.5	17.2	17.5	16.9	16.9	16.5	15.5	12.9	10.9	9.8	9.5	8.1	8.5	11.4
September	8.3	8.7	8.5	7.6	8.2	8.9	8.9	9.7	12.7	14.4	14.8	15.8	16.8	16.1	15.7	15.7	14.4	13.7	12.7	11.1	8.8	8.7	8.7	8.5	11.6
October	7.0	7.3	7.2	6.7	6.5	7.5	6.8	7.6	10.5	13.0	15.3	16.5	17.8	17.4	16.7	16.8	15.5	15.0	13.2	10.8	9.7	9.7	9.0	7.6	11.3
November	4.3	4.2	3.5	3.9	3.9	3.7	3.7	4.0	7.1	8.7	10.3	10.4	11.3	11.3	10.5	10.2	9.1	8.4	7.1	5.7	5.0	4.8	4.0	3.8	6.6
December	2.7	3.5	3.7	3.6	3.4	3.4	4.1	3.9	4.7	6.5	8.4	9.5	9.3	8.9	8.6	8.2	7.0	7.3	6.2	4.8	3.5	3.3	3.1	2.7	5.4
Year	5.0	4.8	4.7	4.6	4.7	4.8	4.7	4.8	6.2	8.4	10.0	10.9	11.4	11.5	11.4	11.3	10.5	9.8	8.0	6.5	5.6	5.6	5.1	4.9	7.3
Wet Season 1943-44	4.2	4.1	3.9	3.9	4.1	4.1	4.0	3.6	4.5	6.9	7.7	7.9	8.2	8.3	7.5	7.7	7.3	6.1	5.2	4.5	4.1	3.9	3.6	3.6	5.4
Dry Season 1944	5.0	4.5	4.5	4.2	4.3	4.1	4.1	4.5	5.5	8.7	10.9	12.1	12.7	13.1	13.4	13.1	12.3	11.4	8.8	7.0	6.0	5.8	5.3	5.3	7.8

PERCENTAGE FREQUENCIES OF WINDS, 1944

(This table is based on observations every three hours commencing at midnight).

Month	Calm	N	NE	E	SE	S	SW	W	NW	Variable	Number of Observations.
January	3	10	6	11	9	21	16	9	13	1	246
February	12	4	5	15	12	17	16	6	12	0	230
March	8	5	10	24	10	35	3	1	3	0	242
April	9	4	5	27	17	27	6	2	3	0	223
May	11	2	3	21	18	25	17	1	1	0	248
June	6	1	3	30	27	21	12	0+	1	0	240
July	7	1	0+	39	24	26	2	0+	0+	0	248
August	1	1	2	47	35	11	3	0	0	0	248
September	6	2	3	38	40	8	3	0	0+	0	240
October	0+	0+	5	32	36	15	8	1	2	0	248
November	3	2	8	25	25	20	9	4	3	0	240
December	7	5	10	23	19	26	7	2	1	0	248
Year	6	3	5	28	23	21	9	2	3	0+	2901

NOTE: The individual percentages are rounded off to the nearest whole number.
0+ means that there were some observations but less than 0.5%.

MONTHLY WIND SPEED AND DIRECTION, 1944

Speed in miles per hour

Month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Mean speed for month	6.5	5.5	4.5	5.1	4.9	5.3	9.4	11.4	11.6	11.3	6.6	5.4	7.3
Greatest speed in Gust	48	38	40	37	37	33	42	44	48	43	32	33	48
Direction of Gust	NNW	NW	NE	SE	E	E	E	E	NNE	ENE	E	NNW	NNW,NNE
Greatest speed for one hourly period	34	26	22	21	23	23	30	30	29	29	25	23	34
Prevailing direction of wind 9 a.m.	E,	ESE	ESE	ESE	ESE	CALM	CALM	ESE	ESE	ESE	E, ESE	E	E	ESE
3 p.m.		E	E	E	E	E	E	ESE	E	E	E	E	E	E
Most frequent direction of Wind (Eight points only).		S	S	S	E, S	S	E	E	E	SE	SE	E, SE	S	E

THUNDER AND LIGHTNING, 1944

Month	Number of Days with		
	Lightning only	Lightning and Thunder	Total
January	2	6	8
February	5	5	10
March	2	6	8
April	1	5	6
May	2	4	6
June	0	2	2
July	0	0	0
August	0	1	1
September	0	1	1
October	1	1	2
November	1	0	1
December	1	3	4
Y e a r	15	34	49

Pilot Balloon Ascents, 1944.

The usual method of observing the balloon with a single theodolite was used during 1944, assuming a constant rate of ascent calculated from the formula.

$$V = qL^{\frac{1}{3}}/(L+W)^{\frac{1}{3}}$$

where

V = rate of ascent in feet per minute
q = 275
L = free lift in grams
W = weight of balloon in grams.

The rate of ascent (V) used normally was 500 feet per minute.

The surface winds are taken from the anemometer, the vane of which is at a height of 80 feet above the ground.

The measurements are expressed in the form recommended in Resolution LIV and LVII of the Commission for Synoptic Weather Information at Salzburg, September 1937. (O.M.I. Publication No. 37, pages 53 and 57). Values have also been given at the additional heights recommended in Resolution XXXIX of the Meteorological Conference for the Southwest Pacific, 1937 (O.M.I. Publication No. 42, page 37).

Details of the form are as follows:

YYGG HHddv_5 HHddv_5 ----- ----- $C_L C_M$HHM

where

YY = Greenwich day of month; GG hour of Greenwich time

HH = The height in hectametres of the centre of a layer about 300 metres thick. When the height of the balloon was above 9900 metres the hundreds digit of the code figure for HH was dropped. (e.g. when the height was 10000 metres HH was given as 00). In the original computations the heights are expressed in feet and hence a certain approximation is made when converting to metres. The order of this approximation is shown in the annual report for 1941.

dd = direction of wind using 36 points; thus 270° is expressed as 27.

v_5 = average wind velocity in the layer expressed in code (see below)

$C_L C_M$ = usual information about clouds

M = reason for ending of the observation (see below)

Code for V_5 in miles per hour.

dd = 01 - 36		dd = 51 - 86	
V_5	m.p.h.	V_5	m.p.h.
0	0- 1	0	30-32
1	2- 4	1	33-35
2	5- 7	2	36-38
3	8-10	3	39-41
4	11-14	4	42-45
5	15-17	5	46-48
6	18-20	6	49-51
7	21-23	7	52-54
8	24-26	8	55-57
9	27-29	9	58-60

i.e. if the wind is equal to or greater than 30 miles per hour then 50 is added to dd and the code on the right above is used for V_5.

Code for M in last group

0 = observation abandoned
1 = obscured by passing clouds
2 = balloon burst
3 = lost in haze
4 = lost near the sun
5 = entered cloud layer
6 = lost accidentally
7 = obscured by rain
8 = confused with star
9 = for use when none of the above apply.

January

0108 00181 02263 05313 10293 15292 74164
0122 00361 02062 05062 10161 15212 74169
0208 00141 02112 05113 10103 15103 83169
0222 00272 02285 04295 52055
0308 00000 02282 05302 10331 15361 18361 50189
0323 00131 02142 05050 08312
0421 00061 02062 05053 62065
0521 00153 01124 62025
0621 00092 02043 05043 07046 62085
0708 00181 10035 15357 20037 26013 62265
0722 00043 02034 05034 07034 17085
0808 00000 05053 10074 15113 18132 11201
0822 00153 02084 05074 10073 72105
0908 00000 05072 10053 51129
0922 00053 02055 05054 06043 23075

January (contd.)

1008	00323	02323	03313	51055			
1022	00344	02333	05314	22065			
1108	00335	02337	05336	52065			
1122	00251	02282	05316	10336	15324	17175	
1208	00000	02091	05343	10345	15344	20333	52269
1223	00251	08053	23091				
1308	00000	05063	10064	15074	20074	10309	
1321	00093	02093	05093	10075	15086	20095	30064
	32067	10331					
1408	00151	02113	05094	10098	15097	20096	10239
1421	00096	02095	05086	10141			
1508	00112	02073	05064	10054	15036	10189	
1522	00092	02092	05064	10045	15055	20044	30013
	17302						
1608	00181	02180	05000	10362	40118		
1622	00360	02321	05301	10262	15271	20301	50215
1708	00182	02092	05092	10132	15162	20092	30112
	40359						
1722	00031	02352	05361	10071	74125		
1808	00291	02141	05062	08261	74097		
1822	00031	02022	05362	10192	15214	20183	30133
	40143	50163	10509				
1908	00271	02225	02256	10265	80129		
1922	00301	02242	05224	10194	15205	14185	
2008	00000	02252	05251	10231	70139		
2022	00322	02295	05254	10075			
2108	00231	02254	05276	10286	12294	74149	
2123	00326	02325	05304	10284	17325	54215	
2208	00292	02264	05267	10265	70125		
2222	00322	02273	05285	10294	15284	20242	25213
	30202	35181	40333	45254	50032	12579	
2308	00000	02221	05151	10232	15232	84159	
2322	00031	02022	05362	10000	15231	20061	24091
2408	00000	02242	05321	10211	15131	57179	
2421	00000	02331	05360	10153	15144	20132	25122
	30131	28105					
2508	00000	02102	05102	10102	15124	20124	25115
	30108	50309					
2521	00082	02052	05092	10122	15123	20012	30083
	33094	13335					
2608	00000	02051	05072	10102	15102	20062	25071
	10259						
2621	00021	02012	05021	10051	15071	20031	30362
	13301						
2708	00091	02XXX	05XXX	10313	20292	29301	52299
2721	00331	02323	05323	10325	15314	20132	52245

February

0108	00293	02314	04296	62049			
0208	00271	05337	10337	15338	18132	52215	
0222	00325	02315	05315	08306			

February(contd.)

0308 00343 02324 05324 10352 54185
0321 00313 02313 05324 10325 14325 83145
0408 00325 02315 05317 10305 15317 18339 50209
0421 00302 02293 05304 10283 15295 20286 30285
40295 12415
0521 00314 02336 05326 10326 15317 20317 23317
27235
0608 00251 02283 05315 10339 15357 54179
0621 00336 02315 74055
0808 00000 02272 05232 10242 40125
0821 00021 02072 05104 10174 52145
1010 00202 07104 10108 15123 21132 92239
1022 00021 02071 05052 10044 15055 20062 30033
34044 74359
1108 00181 02122 05012 10023 15012 20033 74259
1121 01101 02113 05083 10063 15052 20012 25011
24256
1208 00201 02122 05094 10094 62145
1221 00094 02104 05095 08084 14091
1308 00113 02115 05095 10065
1321 00095 02105 05115 10095 15107 20117 14231
1421 00104 02094 05094 10094 15105 13155
1508 00191 02181 05132 10105 15114 20209
1521 00114 02095 05142 10133 15113 20124 30134
40114 50103 60098 13612
1608 00000 02000 05122 10125 15136 20144 50269
1621 00083 02084 05074 10093 15084 20113 30103
32115 13325
1708 00182 02123 05104 10114 15122 20171 20239
1721 00092 02092 05092 10122 15182 20192 30268
40192 50213 60273 70324 80295 90306 00890
10892 20892 20251
1808 00181 02141 05102 10072 15331 10240
1821 00102 02101 05094 10072 20012 30042 40032
23455
1908 00201 02111 05052 10033 12023 72130
1921 00100 02121 05041 10062 15101 20082 17205
2021 00122 02082 05053 10023 15012 20061 24322
77259
2108 00202 02261 05345 10344 82125
2122 00051 02021 05332 10333 15312 20303 30254
40299 50265 58264 24585
2208 00221 02271 08312 10312 15303 92169
2222 00021 02022 05363 84075
2308 00000 02081 05022 10291 15014 57155
2321 00361 02351 05342 10271 15262 20263 26263
86274
2408 00210 05222 10313 15263 20292 52209
2421 00000 02041 05042 10041 15361 20231 30023
40023 50051 71575

February (contd.)

2521	00093	02113	05064	10043	15044	20034	30392
	40301	44272	27655				
2608	00091	02071	05063	10044	52125		
2621	00133	02102	05076	10066	15065	20066	24061
	62245						
2708	00201	02161	05091	10083	15082	17179	
2721	00124	02063	04124	92045			
2808	00151	02114	05106	10086	15086	15064	20086
	12205						
2822	00094	02115	05096	10096	15097	20105	30105
	32106	74331					
2908	00154	02114	05105	10105	15095	10209	
2922	00113	02104	05084	10075	15075	30175	

March

0108	00212	02092	05063	10044	15055	10189	
0122	00092	02093	05073	10064	15054	20055	30094
	40095	43094	10441				
0208	00212	02113	05073	10083	15084	20093	34215
0221	00123	02092	05093	10073	15084	20075	30095
	40123	46116	10462				
0308	00142	02123	05104	10093	24149		
0321	00094	02086	05085	10086	15085	18075	23195
0408	00172	02124	05095	10087	15086	20087	10249
0421	00113	02093	05094	10084	15084	20104	30095
	40074	50095	60095	63116	20643		
0521	46722	00071	02062	05062	10043	15042	14185
0608	00210	02000	05000	10000	15091	20149	
0621	00071	02051	05081	10081	15081	20071	30081
	40103	46133	51446				
0708	00151	12062	20149				
0721	00081	02082	05052	10062	15062	20062	30103
	40134	50134	13501				
0808	00201	07102	10082	15043	20083	27073	24299
0822	00140	02103	05114	10124	15142	20143	30152
	33142	63335					
0908	00181	02112	05083	10082	15073	18063	74189
0921	00092	02084	05083	10074	15064	20075	30042
	40102	46132	10461				
1008	00211	02061	05081	10082	15072	20081	25112
	20261						
1021	00070	02011	05071	10090	15281	18031	14185
1108	00181	02192	10032	15071	17081	24189	
1121	00021	02012	05011	10091	15072	20102	30161
	40131	46121	14462				
1208	00000	02000	05000	10000	15000	24159	
1222	00041	02052	05073	10093	15103	20103	30103
	40122	50132	53132	20531			
1308	00201	02151	05081	10082	15102	20114	22133
	20229						

March (contd.)

1321	00061	02061	05102	10102	15123	20113	25124
	30082	35245					
1408	00201	02125	05105	10106	12095	44139	
1521	00073	02074	05064	10055	87115		
1621	00301	02322	053o4	20355	30015	32016	53331
1708	00062	02082	05033	10014	70115		
1721	00034	02024	05024	10024	15025	20367	30019
	24305						
1808	00181	02281	10335	15356	21364	57226	
1821	00121	02103	05073	10054	15042	20062	30072
	40065	50087	60077	63630	24643		
1908	00162	02104	05084	10063	15152	19102	26209
1921	00114	02115	05095	10095	15096	20105	25106
	22269						
2008	00097	02085	05087	10013	57159		
2021	00072	02063	05075	10056	11058	24128	
2121	00095	02096	05096	10088	12304	20145	
2208	00141	02123	05104	07105	30077		
2221	00094	02104	05114	10115	15114	20096	26104
	74275						
2308	00201	02XXX	05142	10125	15104	17104	13179
2321	00072	02032	05082	10063	15063	20073	24083
	74255						
2408	00000	02112	05082	10082	15093	20083	23063
	10232						
2421	00071	02052	05092	10082	12092	20122	
2508	00201	02201	05221	10190	15000	20141	23101
	13231						
2521	00321	02351	05331	10292	15322	20072	26081
	77270						
2608	00000	02201	05303	10303	15271	17311	10179
2621	00000	02041	05042	10022	20121	30212	40183
	50096	60104	66129	23662			
2708	00200	02261	05241	10282	15241	20000	21000
	13219						
2721	00000	02011	05000	10331	15XXX	20353	30272
	40233	50233	60343	70242	74700		
2808	00211	02211	05252	10341	10179		
2821	00000	02281	05291	10291	15251	20271	30322
	40283	50269	60085	70302	78291	10785	
2908	00201	02231	05321	10362	14129		
2921	00071	02061	05033	10022	15013	20013	21014
	10212						
3008	00200	02091	05051	10361	15332	20354	25333
	14269						
3021	00111	02087	05052	10023	15013	20352	30303
	40302	50353	60044	70343	76311	10762	
3108	02342	05291	10012	15032	10209		
3122	00092	02103	05084	10054	15044	20054	23024
	23231						

April.

0108	00161	02102	05072	10053	15052	10229	
0121	00092	02093	05084	10074	15077	20077	30034
	32073	20321					
0821	00126	02106	05107	10098	15098	20085	30075
	10320						
0321	00125	02105	05106	10107	14107	10151	
0421	00115	02095	05096	10077	24125		
0521	00105	02114	05116	10107	12155		
0621	00083	02104	05103	10087	18075	20205	
0709	00251	02122	05083	10063	15073	20073	24082
	21261						
0721	00142	02114	05084	10065	15064	20141	30052
	22325						
0808	00161	02113	05073	10042	12032	23145	
0821	00111	02103	05074	10044	10045	20047	30045
	34013	17365					
0908	00000	02102	05093	10094	15092	20094	47229
0921	00162	02143	05065	10054	15045	20014	23026
	22245						
1008	00091	02102	05094	10093	15103	17113	83181
1021	00092	02072	05062	10062	15062	17062	93175
1121	00103	02094	05095	10094	15094	20104	24116
	30154	35222	38192	23403			
1208	00032	02125	05106	10075	15123	84161	
1221	00094	02065	05074	10073	18063	93125	
1322	00331	02311	05334	10334	15344	20357	21336
	13212						
1422	00341	02332	05312	10302	15322	20322	30272
	23302						
1508	00000	06281	10342	15323	80196		
1522	00330	02292	05312	10324	15324	20324	30342
	40342	50134	60144	70165	10712		
1608	00201	05272	10303	15314	20305	25313	70250
1620	00000	02311	05251	10261	15272	10184	
1708	00000	02000	05000	10291	15332	19301	70196
1722	00000	02052	05032	10353	20145		
1808	00000	02081	05362	10352	15334	17363	27175
1821	00111	02102	05052	10352	15343	20345	30346
	40338	72445					
1908	00000	02121	05033	10013	15024	17033	20175
2008	00231	00253	05314	10325	15337	18335	57185
2022	00140	02111	10334	15324	20324	30325	38325
	12405						
2108	00000	02261	05264	10293	14306	62149	
2121	00060	02051	05031	10245	15341	20322	30322
	40313	30449					
2208	00211	02151	08232	10341	15332	20332	23332
	22239						
2220	00000	02000	05261	10232	15291	20341	30312
	40322	50274	60295	70285	80285	90276	00276
	10283	20234	30163	40093	50054	60033	70061
	80142	10809					

April (contd.)

2308	00211	02092	05072	10071	12041	20120	
2322	00091	02371	05062	10052	15023	20024	30051
	40271	50213	60193	70223	80194	90187	00214
	10186	20193	23203	25232			
2408	00000	02151	05114	10112	15122	20212	22201
	10225						
2421	00095	02095	05104	10113	15113	20132	30192
	38173	24405					
2508	00201	05112	10105	15104	18104	17209	
2521	00094	02104	05113	10123	14073	56155	
2608	00115	02125	05144	10124	57155		
2621	00094	02104	05134	10152	15182	20262	30192
	32243	70332					
2708	00162	02125	05115	10051	15303	20000	00249
2721	00072	02032	05291	10251	15241	20232	30292
	13305						
2808	00201	02143	05115	10142	15000	20282	25292
	07269						
2821	00092	02102	05114	10041	12044	15023	17023
	13185						
2908	00161	02114	05104	10094	15084	20075	17215
2921	00116	02105	05084	10093	15053	20134	23122
	21265						

May

3008	00161	02113	05083	10023	15334	20314	17235
0108	00201	02000	05000	10015	15005	20354	
0121	00000	05303	10104	15365	10156		
0208	00322	02323	05344	06334	16085		
0221	00321	02332	05323	10292	15303	20304	26304
	80276						
0308	00181	02241	05322	10292	15304	17285	13179
0321	00000	02331	05321	10271	13283	76166	
0408	00000	02272	05242	10251	11251	57125	
0422	00122	02111	05151	10102	15012	29261	35235
0508	00201	02122	05133	10125	12124	83145	
0521	00104	02114	05101	10112	15091	20213	23213
	17246						
0608	00143	02124	05124	10152	15053	20204	24184
	53265						
0621	00092	02095	05114	10124	15113	18242	17196
0708	00161	02124	05117	10115	15123	57159	
0721	00115	02104	05115	10095	10106		
0808	00133	02124	05117	10107	15087	26151	
0822	00123	02093	05004	10044	15066	20155	
0921	00093	02104	05095	10085	15094	20103	80220
1008	00000	02142	05104	10125	15104	14189	
1021	00114	02114	05095	10096	15086	20084	30113
	20305						
1108	00000	02133	05103	10084	15073	16189	

May (contd.)

1122	00094	02084	05104	10104	15094	20095	30077
	40084	50022	60364	70015	78354	20781	
1208	00181	02113	05115	10106	15093	10179	
1222	00125	02106	05116	10094	15086	20073	30076
	20302						
1308	00000	02124	05095	10084	15087	20064	10249
1321	00094	02094	05114	10114	15103	20083	30032
	40281	50355	56301	23569			
1421	00122	01224	05094	10094	15083	20094	25093
	26265						
1521	00144	02104	05106	10095	15085	20085	30084
	38104	23401					
1608	00000	02123	05124	10115	15093	18115	33189
1621	00114	02116	05117	10118	17122		
1708	00112	02114	05104	10105	15104	20115	24172
	20245						
1721	00072	02082	05112	10141	15192	20202	20232
1808	00000	20000	50000	10090	15080	20090	21090
	20219						
1822	00000	02041	05090	10101	15321	20032	25112
	30042	40002	50260	60283	70311	80244	90237
	00266	10278	20109				
1908	00000	02000	05114	10362	15362	20362	23352
	50235						
1922	00111	02012	05052	10023	15015	20355	30004
	40322	50354	24545				
2008	00000	02181	05032	07023	50071		
2022	00000	02042	05043	10352	15363	87175	
2110	00000	02090	05180	10141	12251	96125	
2122	00091	02082	05050	08103	24085		
2208	00000	02102	05102	10112	15132	20112	23102
	50241						
2222	00104	02114	05104	10104	15114	23175	
2308	00201	05114	10104	15072	20082	21062	50239
2322	00161	02153	05124	10133	15102	20151	27205
2422	00114	02114	53305				
2508	00000	02113	05126	10116	12126	20145	
2521	00115	02115	05116	10108	15096	20076	54215
2608	00000	02132	05127	08116	80095		
2621	00103	02114	05105	10103	15141	20161	54215
2708	00000	02131	05132	10113	15082	20012	23011
	24249						
2722	00072	02052	05092	10054	20032	30211	13305
2808	00211	02251	05272	10251	12332	14149	
2821	00111	02103	05112	10092	15131	20212	30191
	40182	46253	14470				
2910	00211	02122	05092	10091	15101	20162	21153
	10239						
2922	02181	05282	10162	15072	20143	30163	40212
	50151	60254	70264	80236	90248	00741	00232
3009	00221	02261	05351	10101	15101	10188	

May (contd.)

3021	00081	02102	05112	10361	15011	20104	25114
	30105	40136	10452				
3108	00200	02211	05211	15072	20073	10218	
3121	00092	02102	05084	10073	15052	20033	30032
	40302	50000	60191	67214	70205	14766	

June

0108	00201	02151	05111	10011			
0121	00000	02011	05281	10322	15334	20314	30294
	40316	24416					
0221	00000	02211	05182	10201	15253	57175	
0308	00000	02101	05141	10241	54125		
0321	00000	02041	05092	10083	15131	20131	87215
0408	00201	02261	05271	10180	50125		
0422	00102	02082	05082	10091	24122		
0508	00161	02103	05075	10065	15065	20053	23082
	10249						
0522	00113	02103	05094	10075	15064	20074	23035
	86231						
0608	00161	02114	05107	10096	15094	17104	15189
0622	00123	02103	05095	10085	15075	20075	30075
	40042	26436					
0708	00161	02113	05085	10065	15045	20055	87219
0722	00113	02093	05094	10104	15052	20044	30046
	40015	46362	23462				
0821	00181	02132	15112	10063	57115		
0908	00111	02114	05095	10074	15043	20063	83219
0922	00094	02104	05106	06106	23065		
1008	00112	02114	05096	10088	15086	18075	34205
1108	00181	02113	05104	10104	15063	20074	24215

July

2521	02011	15093	20071	30321	40223	46322	24501
2608	02091	05131	10161	15181	14189		
2621	00115	02143	05105	10136	15104	17104	27185
2708	02114	05143	10135	15103	13179		
2721	00135	02107	05128	10146	12145	27145	
2821	00114	02105	05115	10133	52115		
2908	00112	02123	05124	10117	15104	20122	10219
2921	00114	02105	05106	10640	15620	57185	
3008	00161	02132	05125	10115	15134	20146	
3021	00610	02118	05108	83065			
3108	00115	02128	05119	10116	15602	24179	
3121	00126	02115	05117	10128	26105		

August.

0108	00143	02124	05610	10119	15096	20096	21055
	20239						

August (contd.)

0121	00136	02117	05127	10118	15086	17155	
0208	00117	02105	05096	87069			
0221	00136	02117	05107	10888	15087	18065	26181
0308	00116	02118	05118	10118	53095		
0321	00117	02107	05097	10077	15079	25151	
0408	00108	02106	05098	10580	14088	53155	
0422	00125	02105	05076	10077	15076	20077	30068
	23302						
0508	00116	02107	05096	10097	15075	20054	21055
	36231						
0521	00116	02106	05105	10085	15086	89175	
0608	00106	02095	05096	10106	33125		
0621	00114	02116	05116	10105	15106	20107	30105
	10322						
0708	00151	02124	05115	10095	12085	27129	
0721	00113	02115	05116	10095	15085	20065	25077
	30105	54319					
0808	00121	02114	05105	10096	15084	50159	
0822	00105	02105	05125	10112	20073	30044	40271
	50343	60282	70312	80312	90274	34929	
0908	00114	02115	05125	10134	15162	18114	83185
0922	00117	05115	10144	15132	20131	30081	24341
1008	00121	02114	05125	10126	15128	16114	83169
1021	00093	02114	05116	10134	62145		
1108	00124	02115	05115	10134	15117	20073	21091
	26211						
1122	00114	02125	05127	10127	15153	20201	30322
	40292						
1208	00000	02114	05116	10106	15081	20302	30282
	13309						
1221	00095	02115	05095	10054	15025	20334	30242
	40042	50364	60014	70354	80296	17825	
1322	00072	02092	05032	09014	26102		
1408	00000	05XXX	10364	15014	20045	14249	
1421	00091	02092	05141	10180	15082	20052	30034
	40033	50222	24595				
1508	00000	15152	14189				
1521	00000	02000	05071	10112	15112	86175	
1621	00115	02114	05152	10193	14115		
1708	00123	10152	50145				
1721	00124	02135	05126	10145	15114	20113	30144
	24302						
1821	00094	02114	05134	10125	15104	20095	24202
1922	00116	02105	05125	10116	15105	20054	30175
	40176	24442					
2008	00104	02106	05109	10086	15088	50189	
2021	00077	02116	05106	10104	15073	20064	26205
2108	00111	02113	05115	10042	15091	20360	10200
2121	00115	02095	05104	10122	15113	20113	30073
	40055	50188	60235	70248	75247	20782	

August (contd.)

2208	00181	02111	05113	10103	15062	20042	10209
2221	00340	02041	05114	10124	15095	20363	30073
	40083	50083	56204	23585			
2308	00161	02142	05143	10083	15064	04180	
2321	00301	02041	05131	10142	15054	20027	24211
2408	00000	02000	05291	10141	15075	57186	
2421	00084	02092	05113	06113	27085		
2508	00114	02114	05124	10114	23149		
2521	00096	02105	05123	10153	54115		
2608	00143	02124	05116	10107	15103	20075	20209
2621	00107	02105	05128	10106	15108	20097	30076
	40064	44094	23461				
2708	00114	02125	05117	10107	15091	10209	
2721	00590	02108	05601	09601	63109		
2808	00590	02097	03099	80055			
2821	00098	02107	05108	10097	15107	20097	26095
	26265						
2908	00117	02108	05098	10077	14068	17151	
2921	00127	02107	05099	10098	12591	80141	
3008	00093	02109	05096	06085	91085		
3021	00097	02117	05109	10109	12098	36125	
3108	00095	02106	05096	09086	26093		
3122	00097	02107	05099	10088	15067	20078	30096
	32092	40073	24413				

September.

0107	00093	02115	05116	10116	15096	53175	
0122	00127	02104	05107	10096	15087	20098	27107
	20271						
0208	00113	02115	05108	10098	15089	18088	20201
0221	00095	02105	05086	10076	15076	17076	26171
0308	00114	02116	05086	10065	83111		
0321	00095	02084	05075	06075	96065		
0408	00134	02124	05103	06096	97067		
0421	00096	02105	05096	10094	15095	20054	25054
	14265						
0508	00210	02113	05113	10125	15094	20093	23102
	31238						
0521	00085	02095	05096	10076	24145		
0622	00052	02073	05046	10047	15049	20520	24235
0708	00201	02071	05012	10015	13106		
0221	00321	02312	05313	10314	15324	20324	25315
	30305	24325					
0808	00212	02231	05322	10324	15325	20294	53209
0821	00052	02042	05332	10251	15312	20311	24215
0908	00181	02152	05162	10202	12222	52125	
0922	00118	02117	05128	10115	24145		
1008	00143	02154	05177	10187	52105		
1021	00112	02084	05066	07063	32095		
1122	00091	02072	05042	10045	15044	20064	26063
	23270						

September (contd.)

1208	00141	02113	05095	10085	15044	20044	24054
	30245						
1222	00094	02094	05095	10094	15074	20076	30044
	40024	50322	60033	67243	73323	76284	24779
1308	00131	02114	05105	10074	15094		
1321	00000	02083	05105	10094	15084	18085	36205
1407	00000	02092	05124	10106	15096	20075	30062
	56309						
1421	00097	02095	05114	10125	15105	20063	30094
	40052	50112	60211	70244	80246	90278	00277
	24004						
1507	00161	02114	05105	10095	15114	20133	25124
	10289						
1521	00097	02096	05114	10105	15104	20105	30122
	33183	40192	46091	83475			
1607	00132	02114	05116	10095	15066	20056	25044
	40259						
1621	00098	02107	05119	10114	15085	20064	30034
	40132	50182	60215	70712	80713	90700	00237
	05229	24059					
1721	00096	02075	05076	10066	34115		
1808	00141	02123	05084	20085			
1821	00115	02095	05095	10075	12066	23125	
1908	00141	02114	05096	20085			
1921	00094	02094	05094	10075	15065	20054	30153
	31272						
2007	00162	02114	05094	10073	15053	10089	24311
2021	00095	02094	05104	10124	15115	20115	30134
	40184	50162	60034	20612			
2108	00000	02123	05135	10106	15095	20095	10239
2121	00118	02108	05115	10167	15086	20097	30117
	40116	20405					
2207	00114	02115	05116	10097	15085	20086	10219
2221	00118	02107	05127	10115	15097	53155	
2307	00096	02108	05099	10089	14131		
2322	00118	02096	05099	08098	26085		
2408	00116	02117	05108	10590	15590	20087	24211
2421	00097	02108	05107	10089	15580	20086	20231
2508	00116	02117	05106	10098	15099	24151	
2521	00118	02610	05611	10118	15601	20590	30106
	38107	20409					
2608	00116	02116	05118	10097	15098	17098	23181
2621	C0118	02107	05116	10118	15097	20087	30075
	40075	24429					
2708	C0124	02115	05601	10108	11105	87125	
2722	00124	02116	05108	10087	61105		
2901	00084	02064	05065	09054	27095		
2921	00092	02093	05053	10075	17125		
3008	00161	02112	05083	10353	15333	23185	
3022	00093	02082	05082	10051	15151	20163	
	30062	40101	50211	60103	30645		

October.

0108	00201	02162	05112	10144	15143	18173	24209
0121	00062	02032	05081	09181	26091		
0208	00181	02132	05115	10125	15097	20124	30143
	26309						
0221	00117	02109	05109	10109	20112		
0308	00118	02105	05096	06095	86065		
0321	00000	02041	05012	10041	12052	80145	
0422	00092	02083	05073	10063	15072	20052	24205
0507	00201	02122	05113	10132	15153	82171	
0522	00095	02105	05114	10105	20103	30114	40164
	50114	60183	70254	14792			
0607	00146	02116	05106	10095	80115		
0621	00118	02108	05109	10088	15089	20088	30085
	40086	50094	60095	20715			
0707	00097	02107					
0721	00000	02000	05023	10355	15014		
0807	00202	02254	05304	10345	15354	17344	52185
0822	00000	02021	05163	10202	25114		
0907	00181	02212	05222	10214	15202	50150	
0921	00082	02021	05051	10151	11181	80125	
1007	00000	02091	05191	10144	15133	20132	20210
1021	00362	02082	05181	09173	26095		
1107	00151	02143	05124	10155	15204	20225	50230
1122	00163	02164	05152	10121	50115		
1208	00123	02134	05116	10128	15114	20192	25322
	50279						
1221	00097	02107	05115	10143	15282	18302	23201
1308	00112	02134	05125	10134	15091	20124	14209
1321	00115	02094	05153	10173	15241	20243	23326
	14246						
1407	00124	02114	05115	53085			
1421	00113	02114	05114	10123	15301	20343	30314
	40254	50283	21525				
1507	00182	02165	05167	10073	15074	20036	57210
1521	00136	02116	05094	10022	15332	20282	23252
	23241						
1607	00182	02124	05135	10145	15142	20101	24153
	23268						
1621	00097	02106	05117	10116	15104	20062	30042
	40263	50249	60258	24674			
1707	00116	02115	05127	10119	15119	20115	21113
	80231						
1807	00113	02114	05116	10206	12283	15071	17082
	82185						
1821	00096	02124	05115	10125	15095	53155	
1907	00134	02134	05127	10600	15103	20143	24122
	50261						
1921	00096	02106	05128	10139	15621	20117	30074
	17305						
2007	00096	02115	05143	10105	14106	50151	
2022	00108	02109	05601	10116	15107	16185	

October (contd.)

2107	00113	02126	05118	10108	15105	20115	54211
2121	00108	02109	05610	10109	15127	20115	10262
2207	00115	02125	05118	10107	15097	20107	10200
2222	00098	02106	05117	10124	15115	20108	30192
	33141	24350					
2307	00166	02117	05109	10107	15172	20133	50211
2322	00107	02104	05115	10125	14124	27155	
2408	00114	02125	05107	10108	15085	20109	36200
2522	00116	02095	05104	10104	15144	20102	24311
	30314	38286	24404				
2607	00132	02132	05121	10081	13125		
2621	00107	02104	05122	10122	15131	20121	23131
	26245						
2707	00000	02141	05143	10154	13145		
2807	00141	02000	05141	10072	15341	53175	
2821	00000	02012	05302	10342	15041	83185	
2907	00131	02104	05105	10074	15011	20031	30223
	37274	23389					
2921	00104	02104	05095	10063	15064	20053	30152
	40345	50233	60224	70216	13764		
3007	00106	02108	05108	10096	14115		
3021	00114	02105	05098	10078	15067	23155	
3107	00097	02107	05096	10085	14362	13151	
3121	00116	02106	05096	10091			

November.

0107	00094	02103	05094	10075	11075	27121	
0121	00121	02112	05043	10023	15354	20302	30014
	40253	26441					
0207	00181	02132	05063	36085			
0221	00081	02051	05363	10344	15334	20334	26205
0307	00000	02262	05308	10324	15334	20345	23314
	14249						
0321	00061	02022	05322	10313	15314	20304	30284
	26345						
0407	00161	02161	05271	10312	15313	18243	37205
0421	00072	02073	05082	10162	15131	20111	30322
	40353	50271	24502				
0507	00161	02121	05092	10112	15092	18113	87205
0521	00082	02052	05071	10311	15291	20022	30321
	40314	46314	24470				
0608	00112	02143	05179	10153	15152	22189	
0622	00106	02096	05105	10102	15061	20221	30281
	40284	44295	23466				
0708	00174	02094	05144	10144	15143	20144	57210
0721	00123	02123	05124	10136	15115	20123	24162
	53265						
0821	00222	02222	05113	10131	26125		
0907	00181	02113	05122	10123	15101	20333	62205

November (contd.)

0922	00116	02096	05113	10142	15094	20082	24342
	81265						
1007	00096	02106	05106	10105	15114	20114	57240
1022	00124	02114	05094	10103	14133	31155	
1107	00103	02115	05124	10124	15134	27170	
1121	00000	02311	05303	10304	15295	20316	51235
1207	00293	02291	05291	10303	15302	20301	26311
	27275						
1221	00091	02072	05052	10041	15262	20262	30261
	40271	46342	27479				
1307	00182	02133	05103	10123	15093	20091	21091
	87235						
1407	00181	02142	05071	08012	27095		
1421	00096	02116	05106	10334	51125		
1507	00114	02114	05094	10343	14334	27151	
1521	00097	02096	05106	10113	15133	20152	30296
	40335	20414					
1607	00094	02104	05104	10104	12094	23141	
1621	00097	02117	05127	10106	15013	20254	23205
1721	00096	02113	05124	10115	15137	20105	23295
1807	00163	02133	05163	10142	15104	20103	27181
	23299						
1821	00022	02362	05071	10230	03125		
1907	00000	02261	05162	08152	24105		
1907	00000	02182	05183	08164	24105		
1922	00052	02042	05031	10202	24144		
2007	00151	02162	05093	10363	15363	20362	24230
2021	00000	02061	05041	10090	14290	27155	
2107	00200	02262	05293	10334	15335	20345	87290
2122	00071	02061	05072	10033	15352	20354	30354
	33334	27355					
2207	00122	02103	05072	10363	15353	27180	
2222	00083	02074	05053	10052	15091	20011	23312
	23241						
2307	00000	02121	05041	10081	15191	20181	30362
	47320						
2321	00091	02092	05073	10062	15021	20250	24151
	27265						
2407	00000	02000	10172	15181	20141	87205	
2421	00115	02093	05142	10183	15172	20141	24032
	30303	35322	23376				
2507	00095	02107	05106	10125	15114	20032	53260
2521	00085	02094	05114	10143	15073	20331	23012
	30363	40354	50335	60295	70316	83711	
2607	00094	02115	05117	10118	15144	20133	57230
2621	00085	02105	05113	10123	20052	13275	
2708	00091	02124	05115	10106	15084	20074	24104
	20279						
2722	00104	02115	05116	10094	15094	20094	87245
2807	00161	02112	05114	10093	15083	20052	21042
	27239						

November (cohtd.)

2821	00093	02102	05084	10074	15074	20053	30052
	86374						
2907	00131	02092	05073	10033	15023	20363	21363
	82239						
2922	00361	02032	05032	10042	15021	20021	30357
	54345						
3007	00211	02151	05023	10043	15053	20052	27231
3021	00053	02034	05034	10027	15028	20027	11245

December.

0107	00171	02103	05084	10044	15037	17037	57181
0721	00096	02065	05055	10055	87145		
0207	00202	02162	05093	10064	15054	22181	
0221	00096	02098	05097	10076	15076	20065	23215
0307	00126	02108	05108	10098	14032	23151	
0321	00095	02105	05096	10094	20122		
0407	00133	02124	05105	10071	14141		
0421	00133	02114	05116	10117	14098	20157	
0507	00053	02053	05044	10036	15037	50205	
0521	00281	02362	05063	06063	21085		
0607	00122	02102	05072	10023	15024	20023	20260
0621	00011	02041	05351	10342	15362	20013	30054
	40023	50352	60344	70314	72303	23731	
0707	00211	02322	05301	10302	15302	20051	30333
	04300						
0722	00081	02082	05103	10113	15104	20094	30083
	40022	50352	60053	70312	80325	90223	20910
0807	00073	02083	05104	10094	15084	20074	20270
0821	00094	02104	05106	10084	15086	20076	30086
	40045	50054	59334	24606			
0907	00065	02086	05105	10114	15103	96150	
0921	00144	02125	05108	10074	15076	20086	24094
	26265						
1007	00141	02131	05113	34065			
1022	00085	02105	05114	10173	15105	20107	30097
	10320						
1107	00142	02133	05114	10126	15115	20134	24116
	43259						
1121	00106	02106	05115	10137	15128	20127	27245
1207	00181	02123	05124	10134	15116	18116	16209
1221	00181	02173	05104	10094	15114	20105	30126
	57355						
1307	00000	02071	05132	10123	14134	57155	
1321	00312	02313	05341	10171	15231	20192	30235
	27375						
1407	00000	02021	05011	10142	15161	20222	23261
	26249						
1421	00361	02032	05342	24085			
1507	00341	02261	05271	10360	12140	87145	
1521	00051	02072	05091	10081	15273	24170	

December (contd.)

1607	00181	02141	05141	10272	12282	51145	
1621	00052	02052	05341	10203	27115		
1707	00181	02251	05251	10221	15253	18273	27205
1721	00041	02032	05121	15232	20261	30264	40283
	10492						
1807	00151	02153	05142	10131	15172	20173	26240
1822	00115	02113	05133	10152	15134	20101	30263
	40293	50294	60305	62326	20642		
1907	00172	02143	05143	10111	15231	20141	10210
1921	00041	02061	05141	10142	15181	20311	23333
	13245						
1922	00113	02083	05082	10172	15191	20331	30336
	40328	50327	60286	70275	80266	90740	14920
2007	00101	02102	05151	10112	15000	20351	
2022	00051	02051	05063	10071	15023	20363	30354
	40322	50322	27525				
2107	00121	02103	05093	10122	15112	13155	
2121	00091	02071	05043	10023	15334	20344	30334
	40315	50324	60326	24621			
2207	00191	02182	05082	10321	15312	20294	23265
2221	00000	02282	05313	06333	22085		
2307	00143	02125	05095	10075	15084	20033	23230
2322	00084	02044	05014	10014	15025	17024	26181
2407	00171	02122	05053	10014	15014	20354	13200
2422	00085	02075	05074	10058	15551	22205	
2507	00201	02190	05326	10366	15016	20026	23035
	53245						
2522	00121	02051	05343	10354	15356	20348	24349
	26261						
2607	00180	02180	05312	10345	15325	34177	
2621	00063	02044	05044	10054	15054	18072	21201
2707	00151	02102	05062	10054	15055	20065	24054
	20269						
2721	00092	02104	05094	10065	15045	20057	30037
	40018	50367	24535				
2807	00133	02123	05094	10054	15073	20064	27043
	26295						
2821	00084	02085	05084	10042	15042	86155	
2907	00161	02132	05103	10063	15083	20113	26102
	23291						
2922	00091	02082	05063	10053	15062	20104	30133
	84055						
3007	00161	02123	05103	10054	26125		
3021	00094	02096	05096	10084	15073	14175	
3107	00161	02123	05094	10084	15113	20073	27073
	24299						
3121	00123	02103	05094	10105	15104	20123	30093
	40072	50041	55042	10560			

CLIMATOLOGICAL SUMMARY, 1944

Mean Values and Frequencies of Meteorological Elements.

Station - Atafu. Lat. 8° 32'S. Long. 172° 31'W. Altitude: 10 feet above sea level (barometer cistern). Hour of observations 7.00 a.m. Local Time (Time standard: +11h i.e. slow on Greenwich).

Month	Barometer (millibars)	TEMPERATURE (°F) Dry Bulb	Wet Bulb	Mean Maximum	Absolute Maximum	Date	Mean Minimum	Absolute Minimum	Date	Rainfall (inches)	Wind - Number of observations of: Forces 8 or more	Forces 4 - 7	Forces 1 - 3	Calm	N	NE	E	SE	S	SW	W	NW	Variable	Clouds: Number of observations of: Clear Sky 0-2	Partly Clouded 3 - 7	Overcast 8-10
January	1008.7	80.5	76.5	88.3	92.3	16th	78.3	75.2	26th	8.63	0	2	28	1	7	12	6½	0	0	0½	2	2	0	0	12	19
February	1009.8	79.4	76.4	88.5	92.3	7th	76.6	73.4	18th	11.79	0	0	29	0	6½	7½	11	2	1½	0½	0	0	0	0	14	15
March	1010.3	80.1	77.1	88.9	93.0	29th	77.5	73.9	14th	12.53	0	2	29	0	4½	2½	18½	4	0	0	1	0½	0	0	20	11
April	1009.6	80.8	77.9	89.7	95.7	1st	78.4	74.7	8th	7.13	0	0	29	1	1	7½	12½	7½	0½	0	0	0	0	0	19	11
May	1010.0	81.4	78.0	89.6	92.5	7th	78.7	75.0	12th	7.58	0	1	29	1	0	3	20½	5½	1	0	0	0	0	0	22	9
June	1010.2	80.7	77.4	89.0	91.0	3rd	78.6	74.3	17th	6.09	0	1	27	2	1	1	16½	7½	2	0	0	0	0	0	22	8
July	1010.4	79.6	76.5	87.3	91.2	7th	77.0	73.8	24th	8.88	0	3	27	1	0	2	19	8	1	0	0	0	0	0	17	14
August	1010.8	80.2	77.0	87.4	90.3	15th	77.3	74.1	1st	13.47	0	3	28	0	0	1	25½	4½	0	0	0	0	0	0	17	14
September	1010.3	80.3	76.8	88.0	91.4	9th	76.9	74.3	3rd	9.80	0	2	27	1	1½	4½	20½	1½	1	0	0	0	0	0	18	12
October	1009.7	80.2	76.7	88.9	92.5	12th	77.6	73.4	19th	11.49	0	2	29	0	3	6	9½	5½	5	1½	0	0½	0	0	22	9
November	1008.2	79.9	76.7	88.1	92.5	3rd	76.8	73.9	16th	14.72	0	1	27	2	10	6	8½	3½	0	0	0	0	0	0	14	16
December	1007.9	80.1	76.7	89.0	93.0	7th	77.3	73.4	13th	13.18	0	2	27	2	5	9	9	0½	4	1½	0	0	0	0	19	12
Year	1009.7	80.3	77.0	88.6	95.7	Apr.1st	77.6	73.4	Oct.19th Dec.13	125.29	0	19	336	11	39½	62	177½	50	16	4	3	3	0	0	216	150

Source of data:

Monthly meteorological reports supplied by the native radio operator, Simi. Readings of pressure were obtained from a Kew pattern mercury barometer (C117539) and temperatures were read from mercury thermometers which are exposed in a Stevenson screen of standard pattern. The readings of the barometer are corrected for index error temperature, gravity and elevation above mean sea level.

Note: The frequencies of the wind have been condensed to eight principal points by crediting one half of the frequencies of the intermediate points to each of the neighbouring principal points, e.g. a frequency of 5 observations of wind from NNE is expressed as N 2½ and NE 2½.