N.Z. DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH

APIA OBSERVATORY,

APIA, WESTERN SAMOA

ANNUAL REPORT

FOR

1947

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Minister of Scientific and Industrial Research

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APIA OBSERVATORY

Annual Report for the Year 1947

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Resident Staff, 1947

Director

J.W. Beagley M.Sc.

Professional Assistants

Geophysical Section

Magnetician
Miss J.M.Bullen B.A.

Meteorological Observers

O.A.D. Johnson Senior Meteorological Observer
J.W. Richards

Clerical Staff

Mrs. M. Morrissey Clerk-Librarian (until 5th July)

Locally Recruited Staff

Miss Rosalind Pouesi	Typiste	
Siaosi Sumeo	Clerk	
Lafo Tuiletufuga	"	
Laulauga Motu	"	
Alaiva's Leapai	"	
Otinelu Lio	"	
Mu Tuiletefuga	Handyman	
Iosefa	Observing Assistant	(from 1st October)
Faleaupu	" "	(from 9th October)

Apia Observatory, Western Samoa

Report of the Director for the Year 1947

The present volume contains results of observations in terrestrial magnetism and meteorology. The final Seismological bulletin will be issued separately. Meteorological work has been carried out by Air Department. The usual programme of tidal observations was maintained and routine scalings of tidal records forwarded to the United States Coast and Geodetic Survey in Washington. An outboard motor and dinghy are now used for trips out to the tide gauge instead of the slower paopao transport.

Buildings:

A comprehensive programme of building repairs was commenced during this year. The old director's residence and the transit hut which had fallen into a state of disrepair were dismantled. Repairs were made to the main office and subsiduary office buildings and painting of all wooden buildings with the exception of the library was completed. General improvements to the appearance of the grounds were made.

Library:

Regular spraying of the library with D.D.T. solution was undertaken to eliminate insect depredation and a thorough examination of the condition of all books carried out. A preliminary general classification was undertaken prior to introducing an accepted library classification system. Shelves were constructed to house new volumes in the workshop block to avoid any possibility of deterioration through insect depredation which is encouraged in the old library as neither its site nor its architecture are in accordance with the need for a free flow of air through buildings in a tropical area.

Terrestrial Magnetism 1947

Continuous photographic recording of H,D and Z was maintained with very little loss of record. During the first quarter of 1947 considerable improvements were made to the Gauss House recording system. Overhead lines between the main office building and the Gauss House were renewed, an

entirely new lighting circuit introduced and the Gauss House itself completely rewired. The circuit now consists of 110/230V auto transformer supplying power to a rectifier type battery charger the output of which is passed through an adjustable line resistor to the line. A 6-volt fully charged battery floated across this line supplies the lighting load through a rheostat. Normally the charger supplies current to the lighting load and maintains the battery on trickle charge. The combined ballast effect of the line resistor and floating battery compensates completely the supply fluctuation while in the event of power failures the battery will maintain the lighting service. This new circuit has eliminated the following faults previously existing:-

(1) Power fluctuations, which are very marked in Apia, produced an irregular trace.

(2) Hours of record were lost through local power supply failures.

(3) As the H and Z recording lamps were in series the fusing of one meant the breaking of the circuit and cessation of the other. (The lamps are now in parallel.)

During the last quarter of the year a new magnetograph calibrator was installed in the clock-room of the main office building and connected by underground cable with the Gauss House.

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.

1947	Adopted Scale - Values	
	H	Z γ/mm
January	2.31γ + .0034n	1.35
February	2.33γ + .0032n	*(1.35 (1.23
March	2.32γ + .0036n	1.30
April	2.28γ + .0038n	1.31
May	2.30γ + .0036n	1.31
June	2.32γ + .0036n	1.35
July	2.32γ + .0036n	1.39
August	2.30γ + .0038n	1.42
September	2.32γ + .0036n	1.42
October	2.29γ + .0036n	1.43
November	2.29γ + .0032n	1.47
December	2.29γ + .0028n	1.50

*Z February 1-11 1.35 γ/mm

February 12-28 1.23

BASE-LINES OF THE HORIZONTAL FORCE MAGNETOGRAPH IN 1947

Date	Adopted Value of Base-line	Date	Adopted Value of Base-line
1947	γ	1947	γ
January 1	34731	June 1	34725
" 5	34730	" 16	34726
" 13	34729	July 9	34727
" 19	34728	August 1	34728
" 27	34727	" 15	34727
February 1	34726	September 1	34726
" 10	34725	" 14	34725
" 16	34724	" 28	34724
" 24	34723	October 14	34723
March 4	34722	" 28	34722
" 11	34721	November 11	34721
" 28	34722	" 23	34720
April 23	34723	December 11	34719
May 11	34724	" 25	34718

BASE-LINES OF THE MAGNETIC DECLINATION MAGNETOGRAPH IN 1947

Date	Adopted Value of Base-line	Date	Adopted Value of Base-line
1947		1947	
January 1	10° 25.7	June 29	10° 25.6
March 16	10° 26.0		

BASE-LINES OF THE VERTICAL FORCE MAGNETOGRAPH IN 1947

Date	Adopted Value of Base-line	Date	Adopted Value of Base-line
1947	γ	1947	γ
January 1	20626	June 12	20604
February 13	20611	July 26	20605
" 15	20610	August 25	20606
" 21	20609	October 4	20605
March 1	20608	" 14	20604
" 14	20607	" 28	20603
" 26	20606	November 9	20602
April 7	20605	" 19	20601
" 23	20604	December 1	20600
May 9	20603		

February 13d., discontinuity of Δb of - 15γ

Mean Values of Magnetic Elements, 1947

All Days

	D	H	X	Y	Z
	East	gamma	gamma	gamma	gamma
January	11°15.11	34849.4	34179.6	6799.9	20631.1
February	11°15.41	34846.8	34176.4	6802.3	20625.8
March	11°15.83	34804.2	34133.8	6798.2	20625.1
April	11°16.54	34825.6	34153.4	6809.4	20618.4
May	11°16.65	34846.5	34173.7	6814.6	20611.1
June	11°16.90	34847.4	34174.1	6817.2	20612.3
July	11°16.72	34861.3	34188.4	6818.2	20609.9
August	11°17.51	34837.9	34163.5	6821.4	20606.8
September	11°17.74	34823.6	34149.0	6820.9	20608.7
October	11°18.03	34836.2	34160.8	6826.3	20605.5
November	11°18.24	34852.1	34176.0	6831.5	20599.2
December	11°18.36	34862.5	34186.0	6834.8	20598.4
YEAR	11°16.92	34841.1	34167.9	6816.2	20612.7

International Quiet Days

	D	H	X	Y	Z
	East	gamma	gamma	gamma	gamma
January	11°15.42	34873.2	34202.3	6807.6	20632.6
February	11°15.56	34862.4	34191.4	6806.9	20625.4
March	11°15.98	34832.0	34160.8	6805.1	20624.2
April	11°16.60	34842.4	34169.7	6813.3	20618.4
May	11°16.80	34854.6	34181.3	6817.7	20611.2
June	11°17.10	34863.0	34189.0	6822.7	20612.4
July	11°16.84	34875.0	34201.3	6822.0	20611.0
August	11°17.62	34871.8	34196.6	6829.2	20603.4
September	11°18.12	34855.8	34179.9	6831.0	20608.2
October	11°18.46	34877.0	34200.0	6838.7	20599.2
November	11°18.32	34874.0	34197.3	6836.5	20597.4
December	11°18.56	34872.6	34195.5	6838.8	20600.8
YEAR	11°17.12	34862.8	34188.8	6822.5	20612.0

Diurnal Variation of Horizontal Intensity

International Quiet Days, 1947

Corrected for non-cyclic change Unit: One Gamma

G.M.T.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
0- 1	+43.6	+44.9	+47.6	+33.9	+25.7	+10.7	+23.9	+42.7	+43.1	+55.2	+43.6	+59.4
1- 2	+30.4	+33.6	+35.2	+24.8	+17.9	+ 9.3	+16.8	+31.2	+27.7	+37.8	+33.4	+45.5
2- 3	+16.8	+19.7	+18.3	+ 9.9	+ 9.2	+ 4.1	+ 7.6	+16.6	+11.8	+17.2	+18.9	+23.7
3- 4	+ 1.6	+ 5.1	+ 2.6	- 2.6	+ 2.2	- 2.7	- 1.2	+ 1.9	+ 0.8	- 0.3	+ 3.6	+ 2.8
4- 5	-10.0	- 5.6	- 8.5	- 8.4	- 1.1	- 6.7	- 5.0	- 6.3	- 6.4	-12.1	- 8.1	-12.7
5- 6	-16.2	-10.7	-13.0	- 9.7	- 0.9	- 8.7	- 2.3	-13.5	- 9.8	-17.7	-14.6	-21.7
6- 7	-15.6	-12.2	-15.5	-13.2	- 7.9	-10.5	- 6.3	-18.2	-12.3	-18.2	-16.3	-25.4
7- 8	-17.2	-14.0	-19.0	-14.2	- 7.4	- 9.5	-12.5	-21.2	-16.1	-18.8	-18.2	-26.1
8- 9	-17.6	-14.9	-20.9	-15.3	-11.4	-10.6	-14.1	-23.4	-16.7	-19.7	-18.7	-25.9
9-10	-18.6	-15.2	-18.8	-15.6	-14.7	-12.2	-12.7	-26.1	-19.5	-21.1	-19.1	-23.8
10-11	-18.2	-15.3	-15.4	-14.7	-14.9	-13.4	-13.4	-24.3	-21.2	-20.1	-19.2	-23.5
11-12	-17.8	-16.7	-16.3	-14.9	-14.6	-14.2	-14.6	-22.0	-22.6	-18.4	-21.3	-23.7
12-13	-18.6	-16.6	-14.8	-14.0	-14.6	-13.4	-15.0	-22.2	-24.8	-19.6	-20.4	-24.4
13-14	-17.8	-16.1	-14.9	-14.1	-15.0	-12.0	-11.8	-21.2	-23.8	-18.8	-19.7	-22.9
14-15	-18.4	-15.5	-15.0	-12.5	-13.5	-10.6	-11.0	-19.3	-22.6	-18.5	-20.2	-21.9
15-16	-16.0	-15.4	-14.6	-11.4	-11.7	- 9.6	- 9.9	-19.3	-19.7	-20.5	-18.9	-19.4
16-17	-17.0	-15.5	-13.1	- 8.7	- 9.2	- 7.2	- 9.7	-14.4	-15.3	-20.5	-18.3	-18.7
17-18	-18.0	-17.8	-14.6	- 6.4	- 6.2	- 0.9	- 6.1	- 9.8	-13.1	-21.6	-16.8	-17.5
18-19	-16.2	-19.0	-14.9	- 3.2	- 7.9	+ 9.9	+ 2.5	- 0.8	- 2.3	-17.0	-10.7	- 9.4
19-20	- 2.0	- 9.7	- 5.2	+ 4.9	+ 2.7	+18.7	+11.3	+11.9	+12.0	- 1.9	+ 4.0	+ 5.7
20-21	+17.0	+ 8.4	+10.5	+14.4	+10.7	+24.5	+16.8	+24.1	+22.4	+18.7	+21.7	+22.3
21-22	+39.2	+29.5	+29.6	+26.0	+21.6	+26.9	+21.0	+35.7	+35.6	+38.9	+39.4	+43.0
22-23	+54.2	+43.5	+43.7	+35.3	+31.2	+26.7	+23.6	+49.4	+49.8	+55.2	+50.5	+55.3
23-24	+52.4	+49.6	+50.4	+38.4	+30.7	+19.7	+26.6	+52.8	+52.7	+59.8	+48.8	+63.3
R	72.8	68.6	71.3	54.0	46.2	41.1	41.6	78.9	77.5	80.9	71.8	89.4
N	+ 9.5	+ 3.0	+ 7.5	+17.5	+ 5.8	+ 9.3	+10.1	+10.5	+ 8.9	+ 3.9	+ 7.5	+ 1.6

Diurnal Variation of Declination

International Calm Days, 1947

Corrected for non-cyclic change Unit: to minute of arc.

G.M.T.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
0- 1	+21.3	+28.5	+19.6	+ 5.8	- 7.1	- 6.3	-16.1	- 6.9	+12.0	+31.7	+20.1	+21.4
1- 2	+21.4	+28.1	+24.1	+10.1	+ 5.9	+ 3.9	- 7.7	+ 9.7	+15.5	+28.9	+22.6	+28.7
2- 3	+19.9	+23.0	+19.1	+15.0	+16.3	+14.2	+ 5.1	+17.5	+18.3	+24.6	+21.5	+33.0
3- 4	+11.0	+14.8	+11.6	+16.7	+21.1	+17.9	+14.1	+18.6	+14.6	+16.0	+16.2	+27.4
4- 5	+ 6.6	+ 5.3	+ 4.8	+15.6	+16.1	+12.6	+13.3	+11.8	+ 8.2	+ 8.8	+ 8.7	+15.9
5- 6	+ 4.9	+ 0.5	+ 6.5	+13.5	+11.5	+ 9.0	+ 7.7	+ 7.0	+ 6.3	+ 9.4	+ 7.6	+10.2
6- 7	+ 8.0	+ 6.1	+ 5.9	+ 9.6	+ 6.8	+ 6.3	+ 5.9	+ 4.6	+ 5.3	+12.5	+ 9.2	+ 9.5
7- 8	+ 7.4	+ 6.0	+ 4.4	+ 5.1	+ 4.0	+ 1.8	+ 3.0	+ 1.7	+ 3.0	+ 9.9	+ 8.5	+ 7.0
8- 9	+ 4.9	+ 3.4	+ 2.0	+ 3.2	+ 1.4	+ 0.3	+ 1.2	+ 0.7	+ 1.4	+ 7.5	+ 6.6	+ 4.9
9-10	+ 2.4	+ 1.9	- 0.5	+ 1.7	+ 1.8	- 0.4	- 0.4	+ 1.5	- 0.9	+ 4.3	+ 5.9	+ 3.7
10-11	+ 0.1	- 0.1	- 1.3	+ 1.2	+ 2.0	- 2.4	- 2.8	+ 0.5	- 1.5	+ 3.6	+ 2.4	- 0.2
11-12	- 1.3	- 1.0	- 1.2	- 1.9	+ 0.4	- 1.7	- 1.8	+ 1.2	- 1.8	+ 2.4	+ 0.9	- 2.1
12-13	- 1.0	- 1.2	- 2.8	- 1.6	- 1.2	- 2.8	- 3.6	+ 1.8	- 2.0	+ 0.4	- 0.4	- 3.0
13-14	- 1.7	- 1.8	- 1.2	- 1.1	+ 0.2	- 4.1	- 4.0	+ 3.0	- 1.8	- 1.2	- 0.3	- 2.9
14-15	- 0.5	- 2.9	- 1.1	- 2.2	+ 2.4	- 2.2	- 2.4	+ 4.1	+ 0.3	- 1.6	- 1.0	- 1.6
15-16	- 1.2	- 3.7	- 0.3	+ 1.5	+ 3.2	+ 2.2	- 0.4	+ 5.7	+ 2.1	- 2.1	- 1.3	- 1.5
16-17	- 1.7	- 6.8	+ 0.8	+ 3.0	+ 3.8	+ 2.5	+ 3.8	+ 6.9	+ 2.4	- 5.7	- 3.6	- 2.5
17-18	-11.8	-15.4	- 4.8	+ 1.9	+ 3.2	+ 2.0	+ 5.4	+ 7.1	+ 4.2	-19.3	-15.9	- 8.2
18-19	-26.0	-29.9	-17.7	- 7.6	+ 3.8	+ 6.9	+13.5	+ 7.0	- 2.3	-35.5	-26.6	-21.3
19-20	-27.9	-35.3	-29.5	-21.7	- 8.9	+ 0.6	+ 9.9	+ 6.6	-18.3	-46.6	-38.2	-34.2
20-21	-26.6	-30.5	-29.2	-23.8	-18.3	- 7.4	- 0.1	-19.0	-23.2	-40.2	-32.5	-36.7
21-22	-21.4	-15.8	-18.4	-23.9	-25.1	-16.7	- 9.1	-26.8	-24.6	-22.0	-19.4	-31.8
22-23	- 3.7	+ 4.0	- 1.9	-14.0	-27.1	-21.8	-16.3	-30.5	-19.7	- 0.2	- 0.5	-16.8
23-24	+11.4	+18.5	+12.1	- 4.1	-19.7	-17.9	-19.9	-21.5	- 4.9	+18.1	+13.4	+ 1.7
N	- 6.5	+ 1.0	- 3.6	+ 2.5	- 4.6	+ 1.9	- 5.0	- 0.6	- 1.1	+ 4.2	+ 7.4	- 2.8
A-a	16.5	28.0	26.9	18.9	22.3	22.0	18.1	18.1	20.3	22.9	15.0	30.0
B-a	3.1	5.6	3.6	5.2	5.0	11.0	17.5	6.6	6.2	3.7	1.6	1.5
A-b	49.3	63.8	53.6	40.6	48.2	39.7	34.0	49.1	42.9	78.3	60.8	69.7
B-b	35.9	41.4	30.3	26.9	30.9	28.7	33.4	37.6	28.8	59.1	47.4	35.2

Diurnal Variation of X 1947

International Quiet Days: Unit: One Gamma

Corrected for non-cyclic change

G.M.T.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
0- 1	+38.5	+38.4	+42.9	+32.1	+26.6	+11.7	+26.6	+43.2	+39.9	+47.8	+38.8	+54.0
1- 2	+25.6	+27.7	+29.7	+22.3	+16.4	+ 8.4	+18.0	+28.7	+24.1	+31.3	+28.3	+38.9
2- 3	+12.5	+14.8	+14.2	+ 6.7	+ 5.8	+ 1.2	+ 6.4	+12.8	+ 7.9	+12.0	+14.3	+16.7
3- 4	- 0.6	+ 2.1	- 0.3	- 5.9	- 2.0	- 6.2	- 4.0	- 1.8	- 2.1	- 3.5	+ 0.3	- 2.7
4- 5	-11.1	- 6.5	- 9.3	-11.3	- 4.3	- 9.1	- 6.5	- 8.5	- 7.9	-13.6	- 9.7	-15.6
5- 6	-16.9	-10.6	-14.0	-12.2	- 3.2	-10.3	- 3.8	-14.6	-10.9	-19.2	-15.8	-23.3
6- 7	-16.9	-13.2	-16.4	-14.8	- 9.1	-11.5	- 7.3	-18.8	-13.1	-20.3	-17.8	-26.8
7- 8	-18.3	-15.6	-19.5	-14.9	- 8.0	- 9.7	-12.8	-21.1	-16.4	-20.4	-19.5	-27.0
8- 9	-16.2	-15.3	-20.9	-15.6	-11.5	-10.5	-14.1	-23.1	-16.7	-20.8	-19.6	-26.4
9-10	-18.7	-15.3	-18.3	-15.9	-14.8	-11.9	-12.4	-25.9	-18.9	-21.5	-19.9	-24.1
10-11	-17.8	-15.0	-14.8	-14.7	-15.0	-12.7	-13.6	-23.9	-20.5	-20.4	-19.3	-23.0
11-12	-17.2	-16.2	-15.7	-14.2	-14.4	-13.6	-14.0	-21.8	-21.8	-18.5	-21.1	-22.8
12-13	-18.0	-16.0	-13.9	-13.4	-14.1	-12.6	-14.0	-22.1	-23.9	-19.3	-19.9	-23.3
13-14	-17.1	-15.4	-14.4	-13.6	-14.7	-10.9	-10.8	-21.4	-23.0	-18.2	-19.3	-21.9
14-15	-17.9	-14.6	-14.5	-11.8	-13.7	-10.0	-10.3	-19.7	-22.2	-17.8	-19.6	-21.1
15-16	-15.2	-14.4	-14.3	-11.5	-12.1	- 9.9	- 9.6	-20.0	-19.7	-19.7	-18.3	-18.7
16-17	-16.3	-13.8	-13.0	- 9.1	- 9.8	- 7.6	-10.3	-15.5	-15.5	-19.0	-17.2	-17.8
17-18	-15.3	-14.4	-15.3	- 6.7	- 6.7	- 1.3	- 7.1	-11.0	-13.7	-17.4	-13.3	-15.5
18-19	-10.7	-12.7	-11.1	- 1.6	- 8.5	-11.1	- 0.2	- 2.2	- 1.8	- 9.6	- 5.2	- 5.0
19-20	- 3.6	- 2.5	+ 0.7	+ 9.1	+ 4.4	+18.2	+ 9.1	+10.4	+15.4	+ 7.4	+11.5	+12.4
20-21	+21.9	+14.3	+16.1	+18.8	+14.1	+25.5	+16.5	+27.4	+26.5	+26.3	+27.7	+29.1
21-22	+42.7	+32.0	+32.7	+30.2	+26.1	+29.7	+22.4	+40.3	+39.8	+42.5	+42.5	+48.4
22-23	+53.9	+41.8	+43.2	+37.4	+35.9	+30.5	+26.4	+54.5	+52.7	+54.1	+49.6	+57.6
23-24	+49.1	+45.0	+46.9	+38.4	+34.0	+22.8	+30.0	+56.0	+52.6	+55.0	+45.2	+61.7
R	72.6	61.2	67.8	54.3	50.9	44.1	44.1	81.9	76.6	76.5	70.7	88.7

Diurnal Variation of Y 1947

International Quiet Days: Unit: One Gamma

Corrected for non-cyclic change

G.M.T.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
0- 1	+29.5	+36.9	+28.5	+12.2	- 2.2	- 4.2	-11.5	+ 1.3	+20.1	+42.0	+28.3	+32.6
1- 2	+27.1	+34.3	+30.7	+14.8	+ 9.3	+ 5.7	- 4.5	+15.6	+20.7	+35.9	+28.8	+37.2
2- 3	+23.0	+26.6	+22.5	+16.8	+18.0	+14.9	+ 6.5	+20.6	+20.4	+27.7	+25.0	+37.3
3- 4	+11.2	+15.7	+12.0	+16.1	+21.4	+17.3	+13.8	+18.9	+14.4	+15.8	+16.8	+27.8
4- 5	+ 4.7	+ 4.2	+ 2.9	+13.9	+15.8	+11.3	+12.3	+10.5	+ 6.9	+ 6.5	+ 7.1	+13.4
5- 6	+ 1.8	- 1.5	+ 4.0	+11.6	+11.3	+ 7.3	+ 7.2	+ 4.4	+ 4.4	+ 6.0	+ 4.8	+ 6.0
6- 7	+ 5.0	+ 3.7	+ 2.9	+ 7.0	+ 5.3	+ 4.3	+ 4.7	+ 1.1	+ 2.9	+ 9.0	+ 6.1	+ 4.6
7- 8	+ 4.1	+ 3.3	+ 0.8	+ 2.4	+ 2.6	0.0	+ 0.6	- 2.3	- 0.1	+ 6.3	+ 5.0	+ 2.0
8- 9	+ 1.5	+ 0.6	- 0.9	+ 0.3	- 0.8	- 1.7	- 1.5	- 3.8	- 1.8	+ 3.7	+ 3.0	- 0.1
9-10	- 1.1	- 1.0	- 4.1	- 1.3	- 1.0	- 2.7	- 2.8	- 3.5	- 4.6	+ 0.3	+ 2.2	- 0.8
10-11	- 3.4	- 3.0	- 4.2	- 1.6	- 0.8	- 4.9	- 5.3	- 4.1	- 5.5	- 0.2	- 1.3	- 4.7
11-12	- 4.7	- 4.2	- 4.3	- 4.7	- 2.4	- 4.4	- 4.6	- 3.0	- 6.1	- 1.1	- 3.2	- 6.6
12-13	- 4.5	- 4.3	- 5.6	- 4.3	- 4.0	- 5.3	- 6.4	- 2.4	- 6.7	- 3.3	- 4.3	- 7.6
13-14	- 5.1	- 4.9	- 4.0	- 3.8	- 2.7	- 6.4	- 6.2	- 1.1	- 6.3	- 4.8	- 4.0	- 7.2
14-15	- 4.0	- 5.8	- 3.9	- 4.6	- 0.3	- 4.2	- 4.5	+ 0.4	- 4.0	- 5.2	- 4.8	- 5.8
15-16	- 4.2	- 6.6	- 3.1	- 3.7	+ 1.0	+ 0.4	- 2.3	+ 2.0	- 1.7	- 6.0	- 4.9	- 5.2
16-17	- 4.9	- 9.7	- 1.7	- 4.6	+ 2.0	+ 1.1	+ 1.9	+ 4.1	- 0.5	- 9.6	- 7.1	- 6.0
17-18	-15.2	-18.7	- 7.5	+ 0.7	+ 2.0	+ 1.8	+ 4.2	+ 5.2	+ 1.7	-23.3	-19.0	-11.5
18-19	-28.9	-33.3	-20.4	- 8.2	+ 2.3	+ 8.7	+13.9	+ 6.8	- 1.9	-38.5	-28.5	-23.0
19-20	-28.1	-36.9	-30.3	-20.6	- 8.3	+ 4.2	+12.0	+ 8.8	-15.9	-46.6	-37.2	-32.9
20-21	-23.2	-28.7	-27.0	-20.9	-16.2	- 2.7	+ 3.1	-14.3	-18.8	-36.4	-28.2	-32.2
21-22	-13.8	-10.1	-12.7	-18.8	-20.9	-11.5	- 5.1	-19.9	-17.7	-14.5	-11.8	-23.4
22-23	+ 6.6	+ 6.4	+ 6.4	- 7.2	-21.0	-16.6	-11.7	-20.9	-10.1	+10.3	+ 9.1	+27.2
23-24	+21.3	+21.5	+21.6	+ 3.2	-13.8	-14.1	-14.7	-11.3	+ 5.1	+29.4	+22.6	+10.3
A-a	27.7	38.4	36.3	21.5	25.4	23.7	20.2	24.7	27.4	36.0	24.0	44.9
B-a	3.2	5.2	3.9	5.4	6.3	15.1	20.3	12.9	8.4	3.0	1.3	2.4
A-b	58.4	73.8	61.0	37.7	42.4	33.9	28.5	41.5	39.5	88.6	66.0	70.2
B-b	33.9	40.6	28.6	21.6	23.3	25.3	28.6	29.7	20.5	55.6	43.3	27.7

Diurnal Variation of Vertical Intensity

International Calm Days 1947

Corrected for non-cyclic change Unit: One Gamma

G.M.T.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
0- 1	+ 2.7	- 3.3	- 4.5	- 6.2	- 6.8	- 8.0	- 3.8	- 5.5	- 3.2	- 3.0	+ 2.2	+11.1
1- 2	+ 1.0	- 2.3	- 4.7	- 6.7	- 6.9	- 8.9	- 4.9	- 7.7	- 4.0	- 4.9	- 0.3	+ 6.8
2- 3	- 0.5	- 3.0	- 5.0	- 7.2	- 6.9	- 7.4	- 3.3	- 8.1	- 4.3	- 5.6	- 2.0	+ 1.4
3- 4	- 2.6	- 4.9	- 5.9	- 5.5	- 4.4	- 5.8	- 3.2	- 7.4	- 4.5	- 6.2	- 4.4	- 1.5
4- 5	- 4.1	- 5.6	- 5.8	- 3.2	- 3.5	- 5.7	- 3.3	- 7.0	- 4.6	- 7.3	- 5.1	- 4.2
5- 6	- 4.4	- 5.7	- 6.0	- 2.0	- 3.1	- 5.2	- 3.6	- 6.5	- 4.4	- 6.6	- 5.0	- 6.0
6- 7	- 2.4	- 4.6	- 5.1	- 2.1	- 3.0	- 5.0	- 3.8	- 5.9	- 4.7	- 5.3	- 3.0	- 6.1
7- 8	- 0.9	- 2.9	- 3.8	- 2.0	- 3.5	- 3.9	- 4.5	- 3.8	- 4.3	- 4.4	- 1.9	- 5.3
8- 9	0.0	- 1.2	- 2.3	- 1.5	- 3.7	- 3.3	- 4.0	- 2.4	- 3.2	- 2.7	0.0	- 4.1
9-10	+ 0.3	- 0.5	- 0.4	- 0.6	- 2.6	- 2.0	- 2.7	- 0.7	- 2.0	- 0.7	+ 1.2	- 3.0
10-11	+ 0.2	+ 1.0	+ 1.8	+ 0.6	- 0.5	- 0.1	- 1.1	+ 1.3	- 0.3	+ 1.4	+ 1.9	- 2.5
11-12	- 0.3	+ 1.7	+ 3.7	+ 1.7	+ 0.9	+ 1.5	0	+ 2.8	+ 1.7	+ 3.1	+ 2.7	- 2.5
12-13	- 0.4	+ 3.2	+ 5.2	+ 3.0	+ 2.4	+ 3.4	+ 1.8	+ 3.8	+ 3.2	+ 5.4	+ 3.4	- 3.0
13-14	+ 0.1	+ 4.5	+ 6.5	+ 4.1	+ 3.5	+ 4.5	+ 2.6	+ 4.8	+ 4.7	+ 7.3	+ 4.1	- 2.5
14-15	+ 0.6	+ 6.0	+ 7.6	+ 5.8	+ 4.5	+ 5.1	+ 3.5	+ 5.7	+ 5.9	+ 8.0	+ 4.1	- 1.9
15-16	+ 1.5	+ 6.5	+ 8.6	+ 6.8	+ 4.8	+ 5.8	+ 3.7	+ 6.3	+ 6.2	+ 8.9	+ 4.2	- 1.4
16-17	+ 2.2	+ 6.8	+ 9.3	+ 7.9	+ 5.5	+ 5.9	+ 4.2	+ 6.8	+ 6.8	+ 9.3	+ 3.8	- 0.7
17-18	+ 1.1	+ 5.7	+ 7.6	+ 8.0	+ 5.5	+ 5.7	+ 4.3	+ 7.4	+ 6.9	+ 7.8	+ 2.5	- 0.3
18-19	+ 1.0	+ 3.6	+ 5.3	+ 6.5	+ 6.0	+ 7.2	+ 5.8	+ 7.9	+ 6.5	+ 4.5	+ 2.2	- 0.3
19-20	+ 0.4	+ 0.9	+ 2.2	+ 0.6	+ 5.3	+ 8.0	+ 5.8	+ 7.3	+ 4.2	+ 1.0	- 1.4	+ 3.4
20-21	+ 0.3	- 0.6	- 1.2	+ 1.2	+ 3.3	+ 5.9	+ 3.9	+ 3.8	+ 1.4	- 2.5	- 2.7	+ 3.0
21-22	+ 1.2	- 2.1	- 3.7	- 2.1	+ 1.0	+ 2.6	+ 2.4	+ 0.4	- 1.7	- 3.6	- 2.4	+ 4.3
22-23	+ 2.7	- 2.8	- 4.4	- 3.8	- 1.9	- 1.0	+ 0.7	- 1.5	- 3.5	- 2.4	+ 0.2	+ 6.4
23-24	+ 3.8	- 3.1	- 5.1	- 5.1	- 5.5	- 5.9	- 1.1	- 2.7	- 3.6	- 1.5	+ 2.3	+ 9.8
R	8.2	12.5	15.3	15.2	12.9	16.9	10.7	16.0	11.6	16.6	9.3	17.2
K	- 2.2	- 2.3	- 1.9	- 2.9	- 1.6	- 6.3	+ 1.6	- 3.7	+ 1.2	- 2.8	+ 6.3	- 1.4

Diurnal Variation of H - All Days 1947

Not corrected for non-cyclic change Unit: One Gamma

G.M.T.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
0- 1	+44.5	+48.6	+45.6	+25.5	+25.8	+22.2	+25.9	+30.9	+42.3	+47.3	+48.0	+51.9
1- 2	+31.7	+37.4	+32.7	+16.4	+18.3	+13.9	+17.2	+19.3	+27.8	+30.2	+34.5	+37.7
2- 3	+17.5	+19.6	+17.5	+ 7.0	+ 8.0	+ 5.9	+ 6.3	+ 5.3	+10.3	+12.1	+15.7	+18.7
3- 4	+ 2.4	+ 5.1	+ 1.8	- 3.5	- 3.2	- 5.7	- 4.6	- 5.3	- 2.5	- 3.5	- 1.5	- 1.7
4- 5	- 7.1	- 7.0	- 6.8	- 8.3	- 8.1	-11.5	-11.6	-11.5	-10.4	-16.0	-14.7	-14.7
5- 6	-14.5	-12.9	-12.0	-11.0	- 8.9	-15.1	-12.7	-15.3	-19.8	-22.5	-20.8	-20.8
6- 7	-17.8	-15.1	-15.5	-16.7	-13.5	-18.3	-14.2	-17.8	-24.2	-25.4	-21.9	-21.9
7- 8	-20.7	-16.2	-20.1	-18.6	-15.3	-20.5	-16.7	-21.3	-24.9	-26.5	-22.4	-21.6
8- 9	-20.0	-17.4	-17.1	-17.2	-20.5	-25.3	-18.9	-20.7	-29.2	-27.5	-22.3	-20.8
9-10	-19.9	-19.1	-16.5	-17.0	-21.2	-24.9	-18.6	-19.5	-34.5	-24.1	-20.5	-20.7
10-11	-20.7	-20.0	-21.8	-16.5	-19.3	-20.7	-16.7	-22.7	-30.3	-25.6	-18.6	-20.3
11-12	-20.3	-22.2	-19.7	-14.6	-16.9	-17.3	-15.8	-23.0	-26.8	-24.2	-17.3	-20.1
12-13	-19.1	-20.4	-20.7	-11.6	-16.6	-15.3	-15.3	-20.4	-21.4	-18.9	-16.9	-19.8
13-14	-16.9	-21.0	-18.6	-12.0	-16.2	-13.2	-11.1	-17.7	-18.8	-16.0	-16.6	-19.1
14-15	-15.9	-18.6	-15.4	-11.3	-13.9	-11.2	-12.1	-16.3	-16.1	-14.7	-15.3	-18.1
15-16	-13.7	-17.3	-15.3	- 8.7	-11.4	- 8.9	- 9.7	-12.7	-11.2	-12.0	-14.9	-17.1
16-17	-13.4	-17.6	-11.0	- 6.5	- 8.2	- 4.3	- 6.3	- 7.8	- 7.2	-10.1	-14.2	-17.1
17-18	-13.2	-17.5	-10.0	- 3.1	- 3.0	+ 2.0	- 0.6	- 2.1	- 3.6	- 9.9	-14.3	-15.2
18-19	-11.2	-13.9	- 8.2	+ 1.9	+ 4.3	+12.5	+ 8.4	+ 6.9	+ 4.5	- 3.5	-11.5	- 9.8
19-20	- 0.5	- 2.8	+ 1.1	+10.9	+13.8	+21.7	+17.1	+19.0	+19.7	+11.3	+ 4.5	+ 4.3
20-21	+15.4	+15.2	+12.0	+17.7	+21.3	+29.0	+22.4	+30.8	+30.7	+28.2	+20.6	+17.8
21-22	+34.3	+33.3	+28.2	+23.7	+31.6	+35.4	+27.3	+38.3	+44.2	+43.3	+37.7	+38.1
22-23	+48.6	+47.9	+41.8	+36.9	+37.1	+37.8	+30.8	+43.5	+52.0	+52.1	+50.7	+52.7
23-24	+50.0	+54.1	+48.8	+37.2	+33.6	+31.7	+31.3	+39.3	+51.0	+54.6	+53.8	+57.8
R	70.7	76.3	70.6	55.8	58.3	63.1	50.2	66.5	86.5	82.1	76.2	79.7
N	- 1.2	+ 0.4	- 2.0	+ 3.3	- 0.2	+ 0.6	+ 0.2	- 0.2	0.0	- 1.1	+ 0.3	+ 0.4

Diurnal Variation of D - All Days 1947

Not corrected for non-cyclic change Unit: One tenth of minute of arc.

G.M.T.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
0- 1	+19.8	+32.6	+20.0	- 1.5	- 9.5	-11.3	-12.7	- 4.2	+ 5.9	+16.5	+29.0	+22.8
1- 2	+20.9	+33.1	+24.4	+ 7.4	+ 4.3	+ 1.0	+ 1.1	+10.0	+13.3	+24.4	+30.2	+27.4
2- 3	+18.7	+26.3	+23.1	+16.6	+16.5	+12.3	+13.2	+18.6	+18.8	+24.3	+25.6	+28.1
3- 4	+15.0	+16.9	+17.9	+19.2	+21.9	+16.2	+16.9	+18.6	+18.7	+19.7	+17.5	+23.7
4- 5	+12.7	+ 8.3	+10.7	+16.7	+17.7	+11.5	+12.3	+14.2	+14.7	+14.7	+ 9.1	+15.7
5- 6	+10.3	+ 2.3	+ 9.8	+14.6	+13.9	+10.2	+ 8.6	+ 9.7	+10.5	+11.7	+ 8.1	+11.7
6- 7	+11.0	+ 6.5	+10.4	+10.5	+ 8.7	+ 6.9	+ 5.7	+ 6.0	+ 7.8	+11.0	+ 9.4	+11.8
7- 8	+10.0	+ 5.6	+ 5.9	+ 6.0	+ 4.8	+ 2.6	+ 3.3	+ 3.8	+ 2.6	+ 6.6	+ 7.7	+ 9.0
8- 9	+ 7.1	+ 3.3	+ 2.4	+ 3.9	+ 3.1	+ 0.5	+ 1.1	+ 0.7	+ 0.2	+ 3.4	+ 5.0	+ 6.5
9-10	+ 3.7	+ 0.5	- 0.5	+ 1.9	+ 0.9	- 1.9	- 0.6	- 1.8	- 3.0	+ 0.5	+ 1.6	+ 3.6
10-11	+ 1.6	- 1.0	- 2.0	- 0.2	- 1.3	- 3.8	- 3.1	- 3.3	- 3.6	- 1.6	- 0.8	+ 0.1
11-12	+ 0.9	- 2.3	- 3.8	- 2.6	- 2.7	- 5.0	- 4.3	- 3.9	- 4.5	- 1.8	- 2.0	- 1.5
12-13	- 0.1	- 3.2	- 4.6	- 2.2	- 2.7	- 4.8	- 4.9	- 3.7	- 3.8	- 2.3	- 2.4	- 1.8
13-14	- 1.0	- 3.1	- 5.1	- 2.7	- 1.1	- 4.3	- 3.6	- 2.9	- 2.3	- 2.6	- 2.0	- 1.6
14-15	- 2.2	- 3.2	- 4.2	- 1.3	+ 0.2	- 1.3	- 0.9	+ 0.3	0.0	- 1.1	- 1.5	- 1.0
15-16	- 2.2	- 3.2	- 3.8	+ 1.0	+ 1.6	+ 2.4	+ 1.4	+ 2.6	+ 2.6	0.0	- 1.2	- 0.2
16-17	- 4.7	- 5.3	- 3.2	+ 3.2	+ 3.1	+ 4.1	+ 4.1	+ 4.7	+ 3.1	- 0.1	- 4.0	- 2.4
17-18	-18.2	-15.0	- 7.5	+ 3.0	+ 4.2	+ 4.9	+ 5.0	+ 6.6	+ 3.5	- 7.6	-16.5	-14.1
18-19	-31.7	-31.8	-19.7	- 4.3	+ 7.4	+11.4	+11.9	+ 7.6	- 2.9	-19.5	-31.3	-28.7
19-20	-33.4	-38.6	-29.1	-15.3	- 3.6	+ 6.0	+ 6.7	- 4.8	-15.4	-29.9	-43.2	-39.9
20-21	-29.9	-34.4	-27.7	-22.1	-15.9	+ 4.6	- 4.9	-16.0	-20.6	-30.9	-37.5	-39.7
21-22	-19.9	-18.2	-18.2	-24.4	-24.1	-14.1	-14.8	-23.5	-22.8	-25.6	-21.1	-28.7
22-23	- 2.2	- 0.7	- 4.5	-18.0	-26.8	-20.3	-20.7	-24.0	-17.6	-13.8	+ 0.2	- 9.4
23-24	+13.5	+21.9	+ 8.7	-10.6	-21.4	-19.1	-20.2	-16.8	- 5.9	+ 2.6	+19.5	+ 8.7
A-a	10.6	30.8	29.5	21.9	24.6	21.2	21.8	22.5	33.3	27.0	32.6	29.9
B-a	0.7	4.2	1.9	5.9	10.1	16.4	16.8	11.5	8.0	2.6	1.2	1.6
A-b	54.3	67.5	53.5	43.6	48.7	36.5	37.6	42.6	41.6	55.3	73.4	68.0
B-b	44.4	40.9	25.9	27.6	34.2	31.7	32.6	31.6	26.3	30.9	42.0	39.7
H	+ 0.6	+ 0.4	- 0.5	- 0.2	- 0.3	- 0.1	+ 0.1	+ 0.3	+ 0.6	+ 0.1	- 0.1	- 0.3

Diurnal Variation of Z - All Days 1947

Not corrected for non-cyclic change Unit: One Gamma

G.M.T.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
0- 1	+ 0.7	- 2.1	- 5.2	- 6.6	- 7.5	- 8.9	- 6.2	- 8.2	- 6.6	- 5.5	- 1.3	+ 4.7
1- 2	- 1.7	- 3.0	- 6.2	- 8.0	- 7.9	- 8.5	- 6.7	- 9.0	- 7.6	- 6.9	- 2.2	+ 3.2
2- 3	- 3.9	- 5.0	- 6.9	- 8.0	- 7.9	- 7.2	- 5.7	- 8.1	- 7.9	- 7.6	- 3.7	+ 0.5
3- 4	- 5.3	- 6.3	- 7.0	- 6.5	- 6.9	- 5.4	- 4.9	- 6.2	- 7.1	- 7.2	- 5.0	- 1.9
4- 5	- 5.7	- 6.5	- 6.8	- 5.0	- 5.1	- 4.5	- 5.0	- 5.4	- 6.2	- 6.8	- 5.9	- 3.8
5- 6	- 5.3	- 6.5	- 6.1	- 4.3	- 3.9	- 3.9	- 4.5	- 4.6	- 5.5	- 5.6	- 5.5	- 4.7
6- 7	- 3.7	- 4.0	- 4.7	- 3.6	- 3.4	- 3.6	- 4.0	- 3.9	- 4.7	- 3.8	- 3.2	- 4.0
7- 8	- 2.1	- 2.0	- 3.3	- 3.1	- 3.3	- 3.3	- 3.7	- 3.0	- 3.5	- 2.5	- 1.6	- 2.9
8- 9	- 0.9	- 0.4	- 0.7	- 1.7	- 2.7	- 3.1	- 3.2	- 1.4	- 2.9	- 0.9	- 0.5	- 1.9
9-10	+ 0.3	+ 0.4	+ 0.8	- 0.2	- 1.5	- 1.7	- 1.8	- 0.3	- 1.7	+ 1.2	+ 1.0	- 1.4
10-11	+ 1.3	+ 1.4	+ 1.3	+ 1.1	+ 0.3	+ 0.3	- 0.5	+ 1.2	+ 0.8	+ 2.2	+ 2.1	- 0.6
11-12	+ 2.1	+ 2.3	+ 3.4	+ 2.7	+ 2.0	+ 1.4	+ 0.7	+ 2.9	+ 3.0	+ 3.6	+ 3.1	+ 0.0
12-13	+ 3.1	+ 3.8	+ 4.8	+ 4.4	+ 3.5	+ 2.8	+ 1.5	+ 4.3	+ 4.5	+ 5.4	+ 4.2	+ 0.8
13-14	+ 4.1	+ 4.9	+ 6.2	+ 5.3	+ 1.4	+ 3.7	+ 2.6	+ 5.2	+ 5.9	+ 6.9	+ 5.2	+ 1.7
14-15	+ 4.9	+ 6.5	+ 7.6	+ 6.3	+ 5.6	+ 4.5	+ 3.6	+ 6.2	+ 7.3	+ 7.7	+ 6.3	+ 2.7
15-16	+ 5.6	+ 7.3	+ 8.1	+ 6.7	+ 6.3	+ 5.3	+ 4.3	+ 7.2	+ 8.1	+ 8.5	+ 6.8	+ 3.2
16-17	+ 5.3	+ 7.5	+ 9.2	+ 7.2	+ 6.7	+ 6.0	+ 5.0	+ 7.6	+ 8.3	+ 8.8	+ 7.1	+ 3.2
17-18	+ 3.7	+ 6.6	+ 8.1	+ 7.4	+ 6.8	+ 6.2	+ 5.8	+ 7.8	+ 8.3	+ 7.7	+ 5.6	+ 3.2
18-19	+ 1.1	+ 3.7	+ 6.5	+ 7.1	+ 7.8	+ 7.8	+ 7.3	+ 8.4	+ 7.8	+ 5.7	+ 3.0	+ 1.1
19-20	- 1.9	+ 0.3	+ 2.5	+ 4.4	+ 6.9	+ 8.6	+ 7.9	+ 6.9	+ 5.3	+ 2.2	- 1.4	- 1.2
20-21	- 2.2	- 1.7	- 0.9	+ 2.1	+ 4.5	+ 6.2	+ 5.7	+ 3.6	+ 2.2	- 0.4	- 3.7	- 2.7
21-22	- 1.3	- 2.5	- 2.9	- 1.0	+ 0.9	+ 3.3	+ 3.0	- 0.1	- 0.3	- 3.0	- 5.3	- 2.3
22-23	+ 0.5	- 2.4	- 4.1	- 2.4	- 2.6	- 1.1	- 0.1	- 4.0	- 3.3	- 4.7	- 4.1	+ 0.3
23-24	+ 1.7	- 2.1	- 4.8	- 4.3	- 5.0	- 5.7	- 3.2	- 7.4	- 4.8	- 5.1	- 1.7	+ 3.0
R	11.3	14.0	16.2	15.4	15.7	17.5	14.6	17.4	16.2	16.4	13.0	9.4
N	- 0.2	- 0.4	- 0.6	- 0.2	- 0.2	0.0	+ 0.1	- 1.1	+ 0.4	- 1.0	+ 0.7	- 0.2

Fourier Coefficients of the Average Seasonal Diurnal Variation
for Greenwich Mean Day, at Apia, Western Samoa.
(Apia Observatory: Lat. 13 48'26" S; Long. 171 46'30" W.)

1947	C_1	Φ_1	C_2	Φ_2	C_3	Φ_3	C_4	Φ_4
Magnetic Horizontal Force (Unit 1γ)								
Four Summer Months.	31.36	106°55'	16.90	117°05'	6.21	135°05'	0.74	204°50'
Four Equinoctial Months.	30.43	116°40'	12.39	121°25'	4.72	146°55'	0.88	161°15'
Four Winter Months.	26.20	123°30'	8.33	144°45'	2.37	180°45'	0.69	104°50'
Year	29.13	115°15'	12.32	124°35'	4.26	147°30'	0.60	159°40'
Magnetic Vertical Force (Unit 1γ)								
Four Summer Months.	4.07	225°35'	1.91	60°50'	1.53	87°20'	0.30	136°25'
Four Equinoctial Months.	7.59	228°05'	1.14	307°00'	0.32	51°40'	0.35	126°10'
Four Winter Months.	6.83	216°50'	2.18	262°15'	1.23	284°30'	0.17	296°35'
Year	6.17	223°45'	0.74	306°45'	0.36	56°45'	0.22	121°25'
Magnetic Declination (Unit 1')								
Four Summer Months.	18.34	19°10'	14.55	51°25'	9.21	101°10'	1.90	156°50'
Four Equinoctial Months.	12.68	11°50'	10.98	13°05'	5.26	65°25'	1.39	128°00'
Four Winter Months.	6.21	345°15'	11.76	326°40'	6.33	352°10'	2.05	07°00'
Year	12.15	11°10'	10.17	14°00'	4.86	62°40'	0.72	105°15'

VALUES OF "K" AT APIA FOR JANUARY 1947

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

VALUES OF "K" AT APIA FOR FEBRUARY 1947

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

VALUES OF "K" AT APIA FOR MARCH 1947

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

VALUES OF "K" AT APIA FOR APRIL 1947

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

Note: Z curve used from 2nd. 3-hourly period April 3d. until 7th. 3-hourly period April 5d.

VALUES OF "K" AT APIA FOR MAY 1947

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

VALUES OF "K" AT APIA FOR JUNE 1947

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

VALUES OF "K" AT APIA FOR JULY 1947.

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

VALUES OF "K" AT APIA FOR AUGUST 1947.

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

VALUES OF "K" AT APIA FOR SEPTEMBER 1947

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

VALUES OF "K" AT APIA FOR OCTOBER 1947

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

VALUES OF "K" AT APIA FOR NOVEMBER 1947

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

VALUES OF "K" AT APIA FOR DECEMBER 1947

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

[S.I.R.—388.
(1946 Print).

HORIZONTAL INTENSITY

G.M.T. (H = 34000γ + Mean + ...) January 1947.

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		+54	+44	+26	+14	+ 2	- 7	-10	-17	-18	-18	-25	-33	-30	-25	-26	-21	-18	-17	-13	- 3	+15	+30	+40	+47	871	00 03 +58	11 48 -33	91
2		+43	+28	+10	- 4	-14	-17	-15	-17	-15	-18	-20	-18	-18	-14	-18	-15	-20	-25	-19	0	+24	+44	+59	+63	871	23 03 +65	17 03 -33	98
3		+65	+52	+33	+20	+10	- 1	-12	-12	-13	-12	-16	-15	-21	-25	-28	-31	-27	-16	-12	- 5	+ 6	+ 3	+24	+27	863	00 00 +70	16 06 -32	102
4		+52	+33	+12	- 1	- 7	-10	- 8	- 8	-10	- 9	- 9	+ 3	- 5	-14	- 9	-10	-18	-18	-13	-12	+ 1	+17	+15	+18	839	00 30 +56	16 18 -20	76
5		+18	+ 7	-10	-19	-17	-22	-22	-22	-11	+ 1	0	- 7	- 3	+ 6	+ 2	+ 1	+ 2	+10	+ 1	+ 7	+18	+22	+20	+12	840	21 51 +25	06 15 -32	57
6		+19	+15	+ 3	-11	-14	-17	-21	-17	-13	-16	-17	-11	- 6	- 4	- 4	- 2	- 2	- 4	- 2	0	+14	+32	+38	+37	825	22 40 +41	07 45 -23	64
7		+19	+12	- 3	-18	-24	-24	-20	-18	-18	-18	-14	- 8	- 8	-10	-12	-13	-12	- 8	+ 1	+14	+32	+44	+55	+61	843	23 07 +63	05 00 -24	87
8		+47	+34	+15	- 6	-18	-22	-17	-18	-15	-18	-19	-17	-13	-11	-11	-11	-12	-13	-12	+ 2	+17	+33	+42	+43	848	00 03 +52	05 02 -23	75
9		+31	+16	- 1	-11	-19	-21	-16	-16	-14	-12	-10	- 9	- 7	-10	-10	- 6	-10	- 9	-10	+ 1	+15	+19	+49	+53	856	23 58 +54	05 48 -21	75
10		+35	+24	+13	- 3	-15	-21	-22	-24	-22	-22	-21	-19	-19	-18	-19	-16	-16	-16	-11	+11	+30	+53	+60	+55	871	22 12 +60	08 04 -24	84
11		+39	+29	+19	+ 3	- 9	-17	-17	-18	-19	-21	-19	-19	-21	-18	-18	-17	-17	-18	-17	- 4	+17	+48	+56	+54	879	22 48 +57	12 45 -21	78
12		+43	+32	+19	0	-14	-21	-20	-21	-24	-26	-26	-24	-24	-21	-19	-16	-16	-18	-11	+ 3	+25	+51	+67	+59	881	22 37 +67	10 00 -26	93
13		+46	+29	+14	+ 1	- 9	-15	-15	-17	-17	-18	-19	-20	-22	-20	-22	-19	-18	-19	-20	- 7	+14	+43	+59	+63	879	23 33 +64	12 45 -22	86
14		+54	+44	+21	- 5	-18	-23	-22	-21	-21	-21	-22	-23	-25	-22	-22	-20	-20	-18	-15	- 3	+16	+45	+68	+75	877	23 45 +78	06 00 -25	103
15		+69	+50	+31	+13	+ 2	- 9	-19	-22	-27	-29	-32	-30	-29	-27	-26	-22	-16	-12	- 6	+ 7	+20	+36	+48	+40	878	00 52 +70	10 45 -32	102
16		+55	+35	+21	+27	+38	+19	+16	+ 6	- 4	-13	-16	-16	-16	-24	-19	-20	-13	-13	-16	-24	-20	-19	0	+ 6	843	00 00 +65	12 54 -25	90
17		+17	+ 4	- 3	- 9	-16	-21	-26	-24	-19	-18	-11	-14	-16	-19	-19	-16	-11	- 7	- 2	+11	+30	+55	+73	+68	821	22 49 +77	06 03 -28	105
18		+35	+21	+ 8	0	- 7	-14	-22	-21	-22	-17	-22	-25	-25	-22	-19	-17	-14	-18	-11	+ 7	+21	+45	+64	+67	841	23 09 +71	12 54 -27	98
19		+46	+39	+28	-15	+ 1	- 8	-14	-13	-15	-17	-18	-20	-22	-20	-18	-17	-17	-18	-15	- 2	+22	+39	+44	+41	846	00 00 +53	12 21 -22	75
20		+27	+21	+12	- 2	- 9	-14	-17	-17	-18	-19	-18	-18	-18	-19	-18	-18	-17	-14	-14	+ 4	+22	+42	+59	+57	856	22 32 +61	09 42 -19	80
21		+38	+13	- 1	-17	-28	-29	-23	-21	-16	-16	-16	-17	-17	-17	-18	-18	-17	-17	-10	+ 5	+30	+60	+75	+66	860	22 45 +75	04 54 -32	107
22		+48	+28	+18	+ 3	-12	-17	-17	-18	-17	-18	-15	-15	-11	-10	-10	-16	-23	-32	-32	-16	+ 8	+42	+64	+69	865	23 27 +74	08 06 -18	92
23		+57	+40	+28	+14	- 3	-15	-19	-17	-19	-15	-17	-17	-15	-11	-10	- 6	-11	-20	-21	-16	- 1	+18	+39	+46	864	00 00 +63	07 24 -20	83
24		+57	+46	+33	+18	+ 7	+ 3	+ 6	-24	-43	-36	-45	-41	-35	-34	-29	-24	-18	-12	- 9	- 5	+13	+45	+65	+70	847	23 56 +90	08 15 -48	138
25		+138	+124	+118	+100	+67	+22	-21	-51	-60	-49	-55	-59	-42	-15	-29	-14	-17	-34	-43	-41	-33	-17	+ 5	+10	778	00 00 +172	08 12 -71	243
26		+ 2	+ 1	+ 6	-12	-29	-39	-48	-47	-34	-21	-18	-13	- 4	+ 8	- 3	+ 6	+ 8	+11	+ 3	+ 5	+15	+46	+72	+77	781	22 45 +82	06 58 -55	137
27		+14	+ 9	- 3	-14	-29	-35	-38	-38	-11	-36	-34	-25	-14	-11	+ 9	+14	+ 9	+16	+ 9	+24	+26	+38	+53	+58	839	23 58 +67	05 54 -39	106
28		+71	+57	+32	+ 8	- 3	-14	-21	-28	-27	-26	-25	-22	-20	-19	-14	-16	-15	-18	-15	- 5	+ 8	+26	+41	+51	836	00 27 +75	07 30 -32	107
29		+42	+29	+13	- 5	-20	-16	-19	-24	-24	-26	-26	-33	-35	-32	-19	-16	-15	-14	- 2	+22	+37	+51	+65	+71	841	23 54 +71	11 36 -36	107
30		+56	+37	+20	+10	+ 3	- 4	-12	-17	-18	-18	-20	-28	-34	-30	-23	-19	-16	-11	- 6	0	+17	+37	+45	+36	850	00 01 +61	12 42 -36	97
31		+43	+30	+11	- 4	-15	-20	-22	-20	-17	-16	-17	-17	-17	-15	-12	-11	- 9	- 7	- 5	+ 4	+19	+35	+43	+49	843	23 09 +50	05 15 -23	73
MEAN.		+45	+32	+18	+ 2	- 7	-14	-18	-21	-20	-20	-21	-20	-19	-17	-16	-14	-13	-13	-11	- 1	+15	+34	+49	+50	849			

[S.I.R.—388.
(1946 Print).

HORIZONTAL INTENSITY

G.M.T. (H = 34000γ + Mean + ...) February 1947.

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		+49	+35	+15	+ 3	-14	-25	-33	-32	-26	-22	-17	-16	-17	-15	-11	- 4	- 2	- 4	- 2	+ 9	+16	+31	+43	+50	839	00	39	+53	06	28	-34	87
2		+31	+22	+ 8	- 6	- 8	- 3	- 3	- 7	- 7	- 7	- 7	- 7	- 8	-11	-11	-12	- 8	- 8	-13	- 6	+ 7	+15	+19	+27	855	00	01	+36	14	00	-12	48
3		+23	+15	+ 5	- 3	-11	-18	-18	-20	-26	-36	-32	-35	-28	-26	-26	-22	-15	-30	+12	+28	+49	+61	+76	+83	860	23	36	+87	09	15	-37	124
4		+87	+60	+31	+16	+ 1	- 7	- 9	- 8	-17	-29	- 9	-38	-29	-19	-23	-22	-23	-23	-22	- 9	+ 8	+18	+31	+35	851	00	00	+96	11	54	-40	136
5		+30	+23	+ 6	- 6	-15	-17	-16	-16	-17	-16	-12	-12	- 9	- 1	- 5	- 5	- 9	-10	-10	- 4	+ 6	+23	+40	+53	854	24	00	+57	09	03	-19	76
6		+58	+46	+26	+ 7	-10	-20	-20	-32	-29	-20	-23	-20	-15	-17	-17	-17	-17	-17	-19	-22	-10	+ 8	+32	+55	+68	857	23	43	+68	08	00	-39	107
7		+48	+54	+12	- 1	-11	-16	-17	-17	- 9	- 7	- 8	-13	-11	-13	- 1	- 8	-11	-17	-18	-19	- 7	+12	+36	+49	866	00	06	+55	13	39	-19	74
8		+73	+66	+50	+31	+18	+ 7	+ 2	- 6	-19	-36	-35	-17	-16	-23	-19	-13	-23	-25	-28	-20	- 7	- 4	+18	+34	841	00	12	+75	09	27	-44	119
9		+27	+ 6	-16	-36	-38	-45	-42	-28	-17	-16	-19	-20	-13	-10	- 8	- 6	- 6	- 5	+ 6	+23	+38	+57	+84	+93	827	23	24	+98	05	51	-49	147
10		+64	+36	+ 8	- 9	-20	-23	-17	-15	-23	-20	-28	-35	-31	-23	-10	-10	-14	-17	-13	+ 6	+22	+41	+59	+64	846	00	24	+74	11	36	-37	111
11		+41	+25	+ 8	- 9	-17	-26	-25	-29	-29	-27	-26	-26	-25	-24	-19	-15	-16	-16	-10	+ 9	+39	+66	+74	+78	863	23	15	+83	07	24	-29	112
12		+72	+59	+37	+38	- 1	-10	-16	-21	-21	-22	-22	-24	-26	-25	-21	-21	-24	-27	-25	-11	+ 6	+25	+38	+37	868	00	07	+74	13	54	-27	101
13		+37	+28	+14	- 2	-13	-17	-15	-16	-21	-20	-21	-20	-21	-21	-21	-21	-17	-20	-12	0	+21	+41	+59	+78	864	23	18	+82	13	24	-23	105
14		+57	+44	+28	+11	- 2	- 8	-14	-17	-20	-22	-22	-22	-22	-20	-19	-18	-20	-23	-20	- 4	+14	+33	+44	+48	871	00	01	+64	12	06	-22	86
15		+43	+35	+22	+ 8	- 2	- 7	- 7	- 9	-11	-12	-14	-18	-18	-18	-18	-16	-13	-16	-21	-17	+ 1	+23	+39	+49	870	23	00	+50	14	27	-19	69
16		+113	+108	+97	+106	+93	+81	+74	+69	+50	+15	-18	-67	-76	-103	-88	-97	-101	-69	-53	-50	-31	-19	-11	-18	806	03	02	+116	13	56	-113	229
17		+13	+ 6	- 6	-28	-42	-48	-61	-44	-38	-32	-34	-16	- 8	-17	-13	-10	- 4	+12	+ 6	+20	+51	+79	+99	+111	774	23	18	+112	06	33	-65	177
18		+64	+39	+19	+ 1	-19	-31	-30	-31	-25	-28	-26	-16	- 9	-14	-14	- 7	- 9	-13	-11	+ 1	+20	+42	+50	+53	808	00	00	+76	06	00	-34	110
19		+43	+38	+27	+ 9	- 8	-17	-22	-25	-21	-11	- 9	-13	-15	-11	-16	-15	-20	-15	- 3	+ 6	+16	+23	+31	+37	814	01	00	+56	07	05	-26	82
20		+32	+34	+11	-15	-31	-29	-21	-18	-19	-15	-14	-14	-12	-15	-15	-12	-11	-12	-12	+ 1	+26	+47	+58	+61	826	23	48	+63	04	57	-35	98
21		+40	+29	+14	- 3	-13	-15	-13	-13	-15	-15	-13	-15	-14	-15	-14	-16	-15	-15	-20	-10	+12	+38	+53	+58	846	23	58	+62	16	06	-16	78
22		+44	+32	+17	+ 2	- 8	-13	-13	-16	-16	-14	-14	-13	-13	-12	-11	- 9	-11	-14	-17	-13	+ 2	+21	+37	+44	859	00	00	+49	07	39	-17	66
23		+33	+21	+11	+20	- 8	-15	-18	-18	-15	-15	-15	-16	-16	-15	-14	-16	-16	-18	- 3	0	+18	+38	+51	+56	866	23	33	+56	06	00	-19	75
24		+44	+40	+31	+16	+ 6	0	- 5	- 9	-10	-13	-17	-19	-17	-22	-19	-18	-17	-24	-32	-24	- 5	+17	+44	+51	869	23	57	+51	11	57	-23	74
25		+62	+59	+41	+20	+ 6	0	- 7	-12	-21	-31	-38	-40	-42	-42	-36	-26	-21	-21	-16	0	+23	+43	+50	+56	856	00	18	+66	13	00	-46	112
26		+56	+27	+ 1	- 8	-11	-11	-17	-23	-21	-18	-22	-23	-18	-13	-14	-16	-16	-14	-13	+ 1	+19	+40	+54	+54	843	00	00	+63	07	54	-25	88
27		+37	+31	+17	- 1	-15	-15	-18	-20	-22	-22	-20	-21	-18	-22	-20	-17	-15	-15	-12	+ 3	+23	+45	+60	+60	852	22	57	+63	13	36	-22	85
28		+40	+28	+16	+ 6	- 3	-13	-23	-21	-21	-25	-24	-26	-25	-21	-19	-14	-18	-11	- 5	+12	+31	+43	+51	+46	860	22	55	+51	12	09	-26	77
29																																	
30																																	
31																																	
MEAN.		+49	+37	+20	+ 5	- 7	-13	-15	-16	-17	-19	-20	-22	-20	-21	-19	-17	-18	-17	-14	- 3	+15	+33	+48	+54	847							

[S.I.R.—388.
(1946 Print).

HORIZONTAL INTENSITY

G.M.T. (H = 34000γ + Mean + ...) March 1947.

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		+44	+33	+16	+ 6	- 3	- 8	-14	-20	-25	-24	-22	-25	-20	-15	-17	-14	-13	-15	-14	0	+16	+33	+47	+45	854	22	54	+51	08	56	-28	79
2		+84	+67	+45	+33	+51	+48	+41	+23	+71	+59	-16	-21	-40	-73	-70	-46	-34	-23	-17	-21	-40	-34	-38	-38	814	00	00	+89	13	48	-91	180
3		+28	- 3	-30	-23	-12	+ 2	+ 4	+ 3	+ 6	+73	+21	-18	-49	-24	+ 2	- 1	+18	+28	+16	+23	- 4	-22	-31	-25	713	09	30	+106	12	15	-58	164
4		-49	-34	-28	-28	-33	-68	-76	-76	-46	-45	-43	-15	- 3	+ 1	+20	+28	+28	+28	+23	+40	+59	+84	+112	+127	721	23	58	+128	05	58	-78	206
5		+35	+19	+ 5	- 6	-17	-27	-31	-24	-29	-24	-22	-22	-23	-23	-22	-19	-19	-19	-15	+ 6	+36	+66	+88	+95	809	23	12	+98	06	40	-31	129
6		+62	+45	+21	- 4	-19	-22	-22	-22	-24	-23	-18	-15	-20	-23	-22	-20	-20	-22	-23	-13	+ 8	+42	+65	+82	827	23	33	+84	08	24	-25	109
7		+64	+47	+20	- 2	-15	-12	-10	-17	-20	-27	-38	-32	-29	-36	-34	-32	-25	-13	- 7	0	+28	+52	+61	+66	841	23	30	+72	10	12	-39	111
8		+141	+120	+104	+86	+69	+59	+47	+28	+18	-15	-34	-15	-29	-53	-59	-43	-61	-69	-53	-69	-55	-39	-41	-33	769	00	09	+145	17	09	-81	226
9		-29	-37	-36	-40	-50	-54	-56	-59	-40	- 5	-13	- 1	+ 8	+ 1	+ 5	+ 8	+12	+18	(+21	+42	+48	+68	+92	+105	746							
10																																	
11		+44	+36	+24	+12	+ 5	- 4	-11	-19	-20	-22	-22	-20	-16	-16	-17	-17	-15	-17	-17	- 6	+ 9	+26	+40	+48	828	24	00	+57	08	00	-24	81
12		+44	+38	+29	+11	- 6	- 2	- 6	- 8	-14	-19	-18	-26	-39	-28	-16	-24	-25	-19	-18	- 5	+12	+30	+44	+57	843	23	45	+62	12	21	-50	112
13		+49	+41	+21	- 2	- 8	-20	-22	-30	-28	-25	-22	-17	-25	-27	-26	-22	-20	-21	-16	+17	+23	+50	+68	+71	855	23	24	+72	12	27	-37	109
14		+93	+75	+53	+31	+14	+ 9	+ 1	- 7	-25	-33	-30	-32	-45	-42	-39	-48	-39	-41	-33	-11	+11	+34	+47	+47	834	00	27	+96	15	36	-53	149
15		+99	+77	+62	+50	+35	+18	+ 3	- 9	+18	-15	-43	-45	-43	-31	-40	-70	-35	-45	-29	-16	0	+11	+21	+34	772	00	00	+106	15	51	-76	182
16		+29	+16	+ 2	-10	-18	-16	-16	-14	-10	-11	-13	-14	-12	- 6	0	+ 6	+ 4	+ 1	- 1	0	+ 5	+16	+27	+28	773	00	12	+35	04	10	-18	53
17		+18	+ 5	- 8	-23	-31	-39	-31	-33	-12	-18	-24	-12	- 6	- 6	- 4	- 2	0	+ 4	+ 6	+12	+27	+44	+66	+74	779	23	00	+76	05	39	-39	115
18		+37	+30	+16	0	- 9	- 9	- 6	- 7	- 7	-11	-18	-18	-20	-13	-12	-15	-10	- 7	-12	- 2	+ 2	+14	+35	+52	813	23	58	+56	11	02	-22	78
19		+42	+22	+ 7	- 7	-14	-10	-12	-20	-17	- 9	- 9	-10	-12	-12	-11	- 9	- 6	- 6	- 5	- 4	+ 7	+25	+37	+39	818	00	03	+51	08	00	-23	74
20		+35	+22	+ 6	-11	-24	-28	-21	-26	-26	-16	- 9	-11	- 9	- 9	- 6	- 6	- 5	- 5	- 4	+ 3	+17	+32	+48	+54	817	23	51	+55	05	00	-34	89
21		+34	+23	+ 9	- 4	-14	-14	-19	-16	-16	-14	- 9	-12	- 9	-10	-10	-11	- 6	- 6	- 7	+ 1	+15	+29	+34	+40	834	23	57	+42	06	48	-20	62
22		+54	+49	+36	+ 6	-21	-42	-40	-26	-33	-52	-47	-34	-23	-18	-15	-16	- 6	- 2	+ 5	+16	+24	+43	+60	+72	819	23	48	+75	09	36	-54	129
23		+69	+54	+36	+19	+11	- 4	- 9	-10	- 4	- 3	+ 2	+ 1	-11	-11	- 8	- 8	- 9	-32	-37	-37	-31	-11	+12	+26	822	00	27	+73	13	00	-16	89
24		+46	+36	+ 7	-18	-34	-40	-47	-35	-21	-17	-17	-14	- 7	- 5	- 5	- 6	- 6	- 4	- 1	+ 8	+25	+42	+57	+65	807	23	58	+67	05	57	-52	119
25		+47	+47	+37	+18	- 5	-14	-17	-18	-25	-12	-18	-18	-14	- 9	-12	-14	-15	-14	-17	-12	+ 1	+21	+32	+35	832	00	51	+51	08	30	-29	80
26		+56	+40	+44	- 1	-18	-28	-23	-35	-42	-18	-28	-16	-20	-13	- 7	-13	- 7	- 6	- 5	- 2	+14	+29	+46	+54	809	00	18	+60	08	42	-48	108
27		+41	+28	+13	+ 2	+14	+ 4	-24	-48	-33	-36	-32	-21	-20	-19	-14	-10	- 3	+ 2	+ 7	+ 6	+14	+22	+48	+57	816	23	00	+63	07	54	-57	120
28		+96	+61	+30	+15	+ 8	+ 6	+ 3	-22	-49	-65	-41	-43	-20	+ 9	+14	+ 5	+ 3	+ 3	- 6	- 4	-11	- 1	+ 4	+ 8	758	00	03	+110	09	06	-77	187
29		-28	-28	-25	-18	-14	-11	- 7	-10	-13	-16	-11	- 8	-12	-11	- 7	- 7	- 1	+ 4	+11	+23	+35	+48	+61	+48	798	22	21	+67	00	02	-30	97
30		+28	+17	+ 6	-22	-35	-24	-21	-29	-26	-16	-30	-29	-17	-16	-12	-11	- 3	+ 5	+12	+24	+34	+48	+57	+71	802	23	48	+75	04	36	-39	114
31		+56	+33	+ 2	-16	-11	-11	-23	-18	-22	-35	-30	-27	-36	-21	-18	-21	-12	- 6	+ 1	+15	+30	+45	+55	+60	803	00	02	+67	09	42	-40	107
MEAN.		+46	+33	+17	+ 2	- 7	-12	-16	-20	-17	-17	-22	-20	-21	-19	-15	-15	-11	-10	- 8	+ 1	+12	+28	+42	+49	804							

[200/6/46—10537

[S.I.R.—388.
(1946 Print).

G.M.T.

HORIZONTAL INTENSITY
(H = 34000γ + Mean + ...)

April 1947.

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		+24	+12	- 3	-14	-14	-13	-16	-19	-21	-21	-21	-21	-21	-19	-15	-14	-10	-10	- 3	+12	+29	+50	+62	+70	830	23 36 +72	08 33 -26	98
2		+48	+28	+ 8	- 4	-12	-14	-19	-24	-24	-23	-18	-19	-22	-24	-28	-27	-27	-19	- 8	+10	+30	+52	+66	+71	844	23 09 +74	13 45 -28	102
3																													
4																													
5																													
6		+46	+48	+20	-17	-28	-29	-31	-34	-29	-29	-24	-16	-10	-10	- 8	- 5	0	+ 2	+ 2	0	+22	+33	+44	+55	794	23 52 +57	07 24 -38	95
7		+23	+14	+ 1	-10	-10	- 4	- 7	- 9	-10	- 8	- 9	- 8	-10	-13	-15	-13	-14	- 9	- 9	- 2	+ 8	+27	+43	+48	819	24 00 +50	03 39 -14	64
8		+31	+18	+ 6	- 6	-12	-11	-14	-16	-17	-20	-26	-22	-22	-15	-16	-16	-19	-19	- 9	+ 2	+16	+32	+84	+73	836	22 57 +94	10 36 -30	124
9		+86	+80	+70	+56	+42	+17	-17	-38	-43	-43	-60	-43	-37	-26	-29	-22	-19	-19	-15	- 4	+ 1	+17	+23	+32	782	00 04 +100	10 57 -67	167
10		+ 3	- 4	-14	-22	-19	-16	-22	-26	-28	-16	-17	-19	-14	- 9	- 8	- 4	- 2	- 1	+ 4	+17	+34	+48	+64	+65	813	22 57 +73	08 00 -36	109
11		+39	+23	+11	+ 2	-13	-15	-20	-16	-14	- 8	- 8	- 8	- 5	- 5	- 5	- 5	- 2	- 7	- 9	- 5	+ 1	+16	+27	+27	819	00 01 +52	07 00 -21	73
12		+21	+14	- 1	-14	-14	-14	-19	-24	-21	-24	-21	-12	-12	- 9	- 9	- 9	- 7	- 3	+ 3	+17	+31	+39	+43	+35	823	22 24 +45	09 15 -27	72
13		+25	+ 7	-15	-13	-15	-13	-20	-24	-18	-15	-15	-18	-15	- 8	- 4	- 4	+ 1	+ 3	+ 3	+12	+22	+33	+40	+43	824	23 01 +44	07 24 -26	70
14		+32	+19	+ 5	-10	-19	-21	-26	-16	-20	-15	-16	-14	-10	- 5	- 4	- 3	+ 1	+ 5	+12	+12	+11	+22	+32	+32	830	00 00 +37	06 30 -28	65
15		+26	+12	+23	- 9	-15	-19	-25	-19	-12	-14	-23	-17	-11	-12	- 8	- 3	- 1	+ 2	+ 7	+ 9	+19	+24	+35	+41	823	23 51 +44	06 55 -26	70
16		+32	+14	+21	- 3	0	0	-13	-19	-19	-18	-14	-15	- 8	- 8	-10	-10	- 9	- 3	+ 2	+10	+10	+21	+26	+19	830	00 07 +37	07 27 -25	62
17		+39	+35	+24	+17	+ 8	+13	+16	+13	+14	+18	+19	+23	+45	+24	+29	+22	+13	+16	+16	+29	-42	-166	-112	-108	798	00 22 +48	21 30 -182	230
18		-58	-54	-40	-36	-25	-15	- 8	- 3	+ 1	+ 3	+10	-18	- 2	- 1	-15	- 2	- 3	- 2	+10	+38	+53	+50	+49	+57	737	23 07 +60	00 48 -68	128
19		-10	-18	-26	-22	-18	-17	-19	-26	-18	-19	- 2	+ 8	- 2	-11	-15	-10	- 5	+ 3	+15	+26	+34	+46	+61	+56	796	22 51 +67	02 39 -30	97
20		+26	+26	+21	+16	+11	-11	-35	-42	-29	-23	- 8	0	- 4	-11	-11	-12	-10	- 5	(+ 2)	+13	+13	+21	+29	+32	814	00 03 +27	07 48 -55	82
21		+23	+16	- 2	-15	-25	-27	-32	-21	-18	-16	-10	-10	- 8	- 7	- 5	- 4	- 2	+ 3	+ 8	+16	+25	+30	+37	+40	824	23 39 +43	06 56 -38	81
22		+22	+12	- 2	-10	-12	-12	-13	-15	-15	-15	-12	-11	-11	-11	-11	-10	- 7	- 5	0	+ 7	+16	+29	+41	+46	842	23 33 +46	08 52 -17	63
23		+30	+22	+ 8	- 6	-13	-12	-14	-17	-19	-18	-17	-17	-14	-14	-11	- 7	- 3	+ 1	+ 2	+ 8	+14	+25	+32	+35	856	22 52 +36	08 30 -20	56
24		+27	+22	+12	- 1	- 7	-10	-13	-17	-18	-19	-21	-19	-16	-16	-13	-11	- 7	- 3	- 1	+ 7	+17	+29	+41	+41	860	23 00 +45	10 30 -21	66
25		+32	+21	+10	+ 5	+ 3	+ 3	- 5	-10	-11	-12	-18	-22	-18	-17	-19	-10	- 3	0	0	- 7	+ 3	+19	+31	+31	860	00 01 +37	11 18 -26	63
26		+24	+21	+17	+ 9	+ 2	- 2	- 6	-11	-12	-15	-16	-17	-17	-19	-15	-10	-10	- 7	- 2	0	+12	+18	+26	+19	860	00 00 +29	13 36 -19	48
27		+16	+ 6	+ 2	- 2	- 4	-10	-18	-18	-13	-25	-23	-20	-17	-18	-19	-15	- 8	- 2	+ 3	+17	+27	+38	+50	+43	851	22 42 +51	09 45 -28	79
28		+42	+29	+21	+13	- 9	-28	-25	-21	-25	-23	-20	-16	-15	-18	- 5	- 8	- 8	- 5	+ 2	+13	+19	+27	+33	+28	841	00 06 +46	05 24 -32	78
29		+17	+16	+11	+ 6	0	- 4	- 9	-10	- 6	-20	-33	-27	-22	-26	-20	-13	-11	- 5	+ 1	+15	+25	+36	+45	+38	843	22 58 +45	10 39 -38	83
30		+22	+ 5	+ 1	- 5	- 7	-12	-20	-20	-20	-22	-22	-17	-16	-17	-15	-10	- 4	+ 5	+14	+21	+27	+34	+44	+36	843	22 21 +45	06 54 -26	71
31																													
MEAN.		+25	+16	+ 7	- 4	- 8	-11	-17	-19	-17	-17	-16	-15	-12	-12	-11	- 9	- 7	- 3	+ 2	+11	+18	+24	+37	+37	826			

[S.I.R.—388.
(1946 Print).

HORIZONTAL INTENSITY

G.M.T. (H = 34000γ + Mean + ...) May 1947.

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		+37	+29	+17	+ 6	+ 3	-11	-16	-18	-16	-19	-16	- 9	-10	-18	-16	-16	-16	-10	- 4	+ 6	+13	+24	+33	+31	833	00 09 +42	09 56 -21	63
2		+17	+ 7	- 6	-16	-14	- 9	- 9	-10	-10	- 9	-11	-12	-12	-14	-11	-10	- 9	- 5	- 2	+ 6	+17	+35	+44	+41	840	22 57 +50	03 33 -17	67
3		+16	+ 6	- 5	-12	-11	-11	-12	-15	-15	-15	-13	-15	-16	-16	-16	-12	- 6	+ 5	+18	+25	+38	+51	+46		851	22 39 +51	13 00 -17	68
4		+28	+24	+ 6	-13	-20	-18	-18	-19	-19	-23	-24	-19	-20	-23	-19	-17	-15	- 9	0	+14	+33	+51	+62	+52	864	22 42 +64	09 54 -26	90
5		+51	+35	+16	- 1	-11	-15	-23	-29	-25	-17	-18	-17	-13	-13	-12	-11	-13	- 7	+ 8	+10	+18	+27	+33	+33	851	00 01 +57	07 06 -29	86
6		+37	+27	+10	0	- 1	- 1	- 6	-10	-11	-10	-11	- 8	- 6	-11	-17	-15	-16	-18	-12	- 8	+ 6	+22	+32	+32	851	00 45 +38	14 51 -20	58
7		+16	+21	+16	+ 2	- 8	-11	-11	-11	-14	-15	-12	-11	-10	-11	-12	-11	- 9	- 8	- 6	+ 4	+10	+20	+31	+29	855	23 09 +33	09 27 -16	49
8		+22	+14	+ 5	+ 1	- 1	- 4	- 5	- 9	-13	-16	-11	-11	-11	-10	-10	- 7	- 6	- 5	- 4	0	+ 8	+15	+26	+26	856	22 48 +24	09 30 -17	41
9		+14	+ 9	0	- 3	- 1	- 1	- 5	- 8	-11	-13	-13	-11	-11	-11	-11	-11	- 8	- 6	- 2	+ 3	+ 8	+22	+35	+40	862	24 00 +41	10 00 -13	54
10		+44	+37	+27	+16	+ 7	+ 7	-23	- 8	-16	-23	-26	-24	-22	-23	-21	-18	-15	-11	-28	+ 8	+16	+24	+36	+39	862	00 42 +45	10 39 -26	71
11		+38	+27	+16	+ 6	0	- 3	- 8	-13	-14	-16	-18	-14	-15	-15	-13	-10	- 8	- 3	+ 6	+10	+10	+16	+17	+12	855	00 00 +41	10 00 -20	61
12		+15	+ 7	- 5	-14	-15	-10	-13	-16	-13	-10	- 8	-15	-13	-14	- 8	- 9	- 6	0	+ 8	+16	+21	+32	+36	+37	845	21 51 +39	12 51 -16	55
13		+29	+31	+25	+20	+10	+ 1	- 7	-17	-25	-24	-16	-14	-11	- 9	- 6	- 1	+ 1	0	+ 6	+ 9	+ 7	+ 9	0	-16	851	01 09 +31	09 00 -25	56
14		+ 3	- 5	-21	-34	-31	-26	-18	- 9	- 9	- 5	-19	-15	- 4	- 8	- 9	- 4	+ 3	+10	+18	+27	+28	+35	+44	+44	817	23 45 +45	03 33 -36	81
15		+28	+28	+ 8	-24	-23	- 7	- 8	- 5	-13	-23	-12	-14	-10	- 8	- 4	- 5	- 4	+ 3	+ 7	+ 3	+13	+27	+23	+11	839	00 27 +33	03 57 -33	66
16		+10	-10	-25	-33	-24	-28	-29	-21	-19	-14	-11	-14	-13	- 6	- 1	- 2	+ 5	+15	+25	+32	+35	+42	+42	+36	820	21 57 +46	06 04 -35	81
17		+ 6	- 6	-17	-24	-19	-12	- 8	- 8	-12	-18	-21	-19	-18	-11	-12	- 8	- 7	+ 4	+13	+20	+34	+42	+51	+43	842	22 21 +52	03 33 -27	79
18		+30	+10	- 8	-17	-16	-13	-19	-17	-21	-26	-19	-10	-13	-15	-11	- 4	+ 2	0	+ 7	+10	+21	+39	+46	+44	840	23 00 +50	09 30 -28	78
19		+42	+35	+17	- 3	-10	-11	-20	-23	-22	-26	-23	-20	-20	-19	-20	-15	- 8	0	+ 7	+20	+26	+33	+35	+25	835	00 12 +44	09 30 -27	71
20		- 5	-12	- 9	- 9	-10	-10	-22	-33	-35	-28	-20	-18	-18	-17	-14	-12	- 7	+ 1	+16	+45	+47	+54	+58	+53	849	22 00 +58	08 04 -37	95
21		+23	+19	+ 9	0	- 8	-14	-22	-19	-23	-25	-24	-22	-24	-23	-18	-13	- 7	+ 1	+12	+26	+35	+42	+37	+33	870	21 33 +43	09 15 -28	71
22		+19	+14	0	-12	-17	-16	-17	-20	-21	-21	-22	-22	-22	-25	-22	-20	-16	- 6	+13	+28	+39	+46	+59	+63	872	22 54 +78	13 01 -25	103
23		+55	+41	+24	-19	-42	-55	-65	-40	-26	-16	-17	-15	-14	-10	- 5	+ 2	+ 7	+ 7	+15	+23	+29	+37	+39	+39	861	00 00 +64	06 18 -74	138
24		+102	+102	+100	+88	+79	+64	+42	+ 1	-119	-127	-76	-66	-60	-51	-46	-39	-32	-24	-17	- 7	+ 1	+21	+37	+24	803	01 09 +118	09 06 -155	273
25		0	+ 2	- 3	-10	-18	-18	-21	-22	-22	-20	-15	-15	-20	-16	- 9	- 5	0	+ 3	+10	+19	+31	+39	+50	+57	813	23 33 +59	09 27 -24	83
26		+34	+20	+30	+17	-18	-25	-30	-24	-24	-25	-26	-25	-25	-20	-18	-13	- 4	+ 3	+ 9	+14	+27	+41	+44	+43	833	22 24 +49	06 55 -34	83
27		+26	+17	+ 4	- 6	-19	-11	-16	-23	-27	-23	-23	-25	-25	-19	-15	-12	-11	+ 1	+12	+24	+31	+41	+47	+41	846	22 33 +49	08 01 -33	82
28		+19	+11	+ 2	- 5	- 7	- 5	- 5	- 9	-13	-16	-20	-19	-15	-13	-10	-13	-13	- 9	+ 5	+20	+27	+35	+26	+17	860	21 15 +38	10 36 -23	61
29		+24	+21	+12	+ 6	+ 9	+11	+ 7	- 4	- 4	- 7	-24	- 2	-17	-18	-26	-23	-15	-14	-10	- 4	+ 4	+19	+31	+31	844	23 09 +33	11 15 -35	68
30		+17	+ 9	+ 8	+ 2	- 6	- 6	- 5	- 8	-12	-16	-16	-16	-17	-16	-12	- 9	- 3	+ 2	+ 4	+ 5	+14	+23	+27	+21	853	22 36 +28	12 18 -18	46
31		+ 2	- 3	- 5	- 8	- 8	- 8	- 6	- 7	-10	-10	-10	- 8	-11	-10	- 8	- 7	-11	- 2	+11	+28	+26	+27	+18	+13	868	21 01 +30	08 51 -[illegible]	43
MEAN.		+26	+18	+ 8	- 3	- 8	- 9	-13	-15	-20	-21	-19	-17	-17	-16	-14	-11	- 8	- 3	+ 4	+14	+21	+32	+37	+34	846			

HORIZONTAL INTENSITY

G.M.T. (H = 34000γ + Mean + ...) June 1947.

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		+55	+27	+35	-17	-24	-33	-43	-54	-59	-50	-29	-17	-12	-12	- 9	- 6	0	+ 8	+16	+27	+36	+47	+55	+56	802	00	24	+71	08	37	-62	133
2		+ 8	+10	+ 6	- 4	-12	-13	-14	-14	-17	-18	-18	-17	-17	-15	-13	-12	- 9	- 1	+ 8	+20	+31	+39	+44	+39	846	22	37	+44	11	15	-19	63
3		+19	+ 3	-13	-31	-40	-33	-22	-18	-18	-14	- 9	- 5	- 5	- 6	- 6	- 3	- 1	+ 7	+18	+27	+35	+40	+44	+42	850	22	18	+45	04	27	-43	88
4		+15	+ 9	+ 4	- 1	- 7	- 9	-11	-14	-14	-14	-11	- 9	-10	- 6	- 4	- 6	- 7	- 9	- 4	+ 4	+14	+24	+32	+35	868	23	45	+35	09	00	-16	51
5		+33	+23	+15	+ 2	+ 1	- 2	+ 2	+11	-32	-45	-32	-22	-17	-12	- 9	- 5	+ 1	+ 6	+16	+16	+26	+30	+16	-17	866	00	02	+37	09	03	-54	91
6		-14	-13	- 8	-13	-16	-19	-20	-17	-14	-12	- 9	- 8	- 6	- 4	- 3	- 1	+ 1	+ 4	+14	+22	+27	+33	+34	+36	835	21	51	+37	00	51	-28	65
7		+26	+29	+19	- 1	- 9	-14	-17	-21	-24	-24	-19	-16	-17	-17	-15	- 9	- 4	+ 2	+ 8	+14	+21	+30	+32	+16	843	22	13	+38	09	27	-26	64
8		+21	+ 2	-14	-27	-30	-23	-25	-30	-30	-17	-10	-11	- 5	- 4	0	0	+ 5	+ 7	+10	+17	+27	+40	+45	+40	827	22	12	+45	04	45	-34	79
9		+23	+18	+ 1	-19	-15	-14	-29	-24	-19	-17	- 4	- 2	-10	-13	-12	- 7	- 2	+ 6	+13	+18	+21	+25	+31	+35	841	23	21	+37	06	46	-34	71
10		+23	+17	+ 3	- 8	-14	-12	- 9	-17	-17	-17	-19	-14	-12	- 9	-12	- 8	- 4	+ 1	+10	+16	+23	+26	+30	+29	846	22	36	+31	10	12	-23	54
11		+17	+ 8	+ 1	- 4	- 7	-15	-19	-20	-22	-18	-17	-12	- 9	- 7	- 4	- 3	+ 1	+ 6	+12	+16	+21	+25	+26	+26	856	24	00	+30	07	36	-22	52
12		+17	+16	+12	+ 4	0	- 5	-11	-10	-10	-15	-17	-15	-15	-10	- 5	- 5	- 3	0	+ 7	+11	+16	+18	+16	+ 3	864	21	48	+21	10	00	-17	38
13		- 3	-10	-15	-15	-31	-32	-33	-20	-27	-21	-17	-15	-12	-10	- 7	- 7	- 3	+ 8	+32	+49	+57	+66	+54	+ 5	859	21	52	+68	08	15	-27	95
14		+38	+ 2	- 9	-39	-37	-27	-35	-36	-37	-43	-43	-29	-24	-15	-12	- 7	- 4	+ 8	+28	+53	+48	+48	+82	+81	794	20	54	+98	04	00	-67	165
15		+22	+10	+24	-16	-19	-14	-16	-17	-19	-22	-23	-20	-20	-20	-11	- 7	+ 3	+17	+19	+21	+24	+27	+31	+24	835	22	39	+34	10	48	-25	59
16		- 6	-10	-17	-20	-21	-19	-16	-11	-14	-14	-14	-15	-11	-11	-11	- 9	- 6	+ 3	+17	+27	+36	+40	+45	+45	869	23	09	+52	04	09	-21	73
17		+62	+52	+41	+34	+10	-16	-23	-38	-64	-71	-52	-44	-38	-26	-12	- 5	+ 8	+22	+25	+22	+22	+23	+30	+30	835	00	00	+74	09	00	-77	151
18		+13	+ 3	- 3	- 6	-16	-20	-20	-22	-32	-37	-31	-20	-20	-17	-17	-13	- 7	+ 1	+20	+42	+51	+57	+52	+43	845	21	42	+59	09	09	-39	98
19		+25	+10	- 5	-19	-33	-34	-28	-26	-26	-21	-13	- 9	- 7	- 7	- 8	- 8	- 7	- 1	+20	+26	+33	+43	+46	+37	853	22	18	+49	05	03	-37	86
20		+20	+12	+ 2	- 3	- 8	-17	-27	-33	-41	-32	-27	-23	-18	-15	-15	-11	- 8	- 2	+12	+25	+44	+56	+58	+56	861	22	46	+58	08	21	-43	101
21		+37	+23	+11	+ 4	0	- 7	-12	-17	-15	-15	-15	-18	-14	-14	-17	-17	-12	- 7	+ 1	+11	+15	+24	+30	+25	872	00	09	+42	11	42	-19	61
22		+19	+12	+ 6	- 7	-11	-12	-13	-13	-17	-21	-17	-18	-18	-18	-18	-18	- 8	- 4	+ 5	+16	+29	+43	+41	+48	876	24	00	+54	09	21	-23	77
23		+50	+28	+19	+13	+ 3	- 4	- 9	-16	-23	-24	-26	-21	-20	-19	-21	-19	- 9	- 9	+ 3	+ 3	+14	+26	+33	+37	869	00	00	+59	09	00	-26	85
24		+36	+27	+13	+ 7	+ 3	- 3	- 8	-13	-18	-21	-23	-22	-21	-20	-18	-21	-18	-13	- 1	+13	+21	+27	+33	+35	866	00	01	+39	10	54	-26	65
25		+62	+56	+33	+13	+ 2	-11	-19	-39	-55	-45	-43	-40	-27	-21	-16	-13	- 8	0	+14	+23	+33	+42	+35	+32	835	00	00	+66	08	42	-58	124
26		+23	+17	+ 7	+ 7	+ 7	- 4	-21	-29	-28	-28	-22	-22	-21	-22	-22	-17	- 9	- 1	+12	+29	+40	+47	+42	+24	841	22	00	+50	07	30	-32	82
27		- 4	- 4	- 6	- 8	- 9	- 8	- 8	- 7	- 7	- 8	- 9	-13	-12	-11	- 9	- 9	- 8	- 3	+11	+23	+29	+34	+32	+25	861	21	57	+36	12	58	-15	51
28		+ 6	+ 9	+11	+ 6	+ 1	- 7	-10	-10	-18	-27	-22	-17	-18	-15	-12	- 8	- 5	- 2	+ 3	+13	+24	+34	+35	+26	875	22	21	+36	09	30	-30	66
29		+15	+13	+ 6	- 3	- 7	-12	-15	-15	-13	-12	-13	-13	-12	-11	-11	- 7	- 2	+ 6	+18	+26	+26	+21	+16	+ 8	875	20	16	+27	06	57	-16	43
30		+ 7	+19	- 1	- 1	- 5	-13	-18	-25	-28	-24	-18	-13	-10	- 9	- 8	- 6	- 5	0	+ 9	+20	+26	+33	+34	+29	858	21	57	+38	07	56	-30	68
31																																	
MEAN.		+22	+14	+ 6	- 6	-11	-15	-18	-21	-25	-25	-21	-17	-15	-13	-11	- 9	- 4	+ 2	+13	+22	+29	+36	+38	+32	847							

[S.I.R.—388.
(1946 Print).

HORIZONTAL INTENSITY

G.M.T. (H = 34000γ + Mean + ...) July 1947.

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		+10	+ 6	- 2	- 8	-16	-17	-13	-13	- 8	- 6	- 6	- 8	-13	-18	-16	-12	- 6	0	+10	+20	+28	+35	+33	+25	876	21	51	+38	05	03	-21	59
2		+12	- 1	-10	-15	-16	- 7	- 7	-17	-22	-12	-12	-12	-11	-13	-10	- 5	- 8	- 2	+ 8	+20	+29	+36	+32	+31	870	21	48	+39	08	39	-25	64
3		+21	+18	+14	+ 8	+ 2	- 3	-10	-18	-20	-17	-15	-10	-10	-12	-11	-10	- 8	- 5	+ 3	+11	+16	+20	+17	+18	870	00	18	+22	08	04	-21	43
4		+ 9	+ 9	+ 2	- 5	- 6	- 7	- 9	-11	-16	-16	-15	-12	-11	-11	- 9	- 9	- 7	- 3	+ 4	+14	+22	+27	+31	+31	879	23	28	+32	09	09	-17	49
5		+17	+11	- 1	-10	-15	-10	-10	-12	-13	-16	-15	-16	-15	-13	-13	-11	-11	- 6	+ 6	+19	+28	+35	+38	+41	889	23	31	+41	04	59	-16	57
6		+38	+24	+13	+ 5	- 3	- 7	- 9	-18	-28	-29	-24	-23	-22	-23	-18	-13	- 9	- 5	+ 5	+18	+25	+33	+40	+36	886	00	27	+44	08	59	-31	75
7		+20	+13	+ 5	- 5	-16	-16	-16	-16	-22	-21	-18	-17	-16	-13	-13	- 7	- 2	+ 4	+11	+19	+19	+24	+35	+40	886	23	45	+42	08	54	-22	64
8		+40	+33	+24	+ 2	-14	-24	-28	-26	-24	-21	-16	-16	-16	-12	-11	- 5	- 5	- 2	+ 5	+ 7	+12	+19	+30	+37	881	00	00	+43	06	00	-28	71
9		+24	+12	+ 2	- 3	- 7	-16	-22	-22	-22	-23	-22	-18	-17	-15	-11	-11	- 6	- 1	+14	+24	+33	+34	+39	+37	886	22	59	+45	09	18	-23	68
10		+24	+ 8	- 4	-13	-20	-15	-11	-15	-23	-24	-18	-10	-11	-10	- 8	- 5	- 5	0	+ 8	+17	+24	+32	+35	+36	874	23	09	+38	08	45	-25	63
11		+29	+24	+15	+ 4	- 3	-11	-15	-12	-13	-18	-21	-17	-12	-11	-10	-10	- 5	+ 6	+11	+21	+24	+22	+ 8	+ 3	876	00	01	+31	09	56	-22	53
12		+19	+14	+ 6	-12	-16	- 7	- 4	- 5	- 8	-14	-22	-23	-17	-12	- 4	- 2	+ 2	+ 5	+11	+16	+19	+21	+21	+21	863	21	58	+24	11	12	-25	49
13		+17	+ 2	- 1	+ 2	- 6	- 4	- 3	- 1	- 6	- 8	-13	-13	-13	-11	-12	-11	- 3	+ 2	+11	+15	+18	+15	+ 9	+17	862	00	01	+22	10	45	-16	38
14		+11	+ 4	0	- 5	-10	- 8	- 7	- 6	- 7	-10	-10	-12	-11	- 8	- 5	- 5	- 2	+ 2	+ 9	+11	+11	+12	+17	+20	871	23	10	+23	12	09	-12	35
15		+11	0	-10	-16	-22	-25	-17	-13	-11	-12	-13	-12	-11	-10	-10	- 6	- 2	+ 3	+13	+16	+23	+34	+41	+38	871	22	45	+41	05	09	-28	69
16		+28	+14	- 5	+ 6	-24	-18	-13	-13	-14	-16	-16	-18	-18	-17	-16	-11	- 5	+ 1	+ 7	+ 9	+20	+33	+38	+37	882	22	59	+40	04	06	-27	67
17		+32	+20	+ 7	- 3	- 6	- 3	- 5	- 3	- 6	- 6	- 1	+ 2	+ 3	0	0	- 2	- 3	+20	+44	+27	-11	-16	-34	-66	880	17	56	+77	09	30	- 7	84
18		+ 2	+10	+ 8	0	- 3	- 5	+ 2	- 4	-11	-23	-24	-22	-15	-22	-24	-23	- 7	- 7	+ 4	+12	+24	+42	+49	+39	802	21	57	+49	11	24	-42	91
19		+28	+ 7	-15	-30	-28	-23	-28	-25	-25	-28	-21	- 9	-10	- 7	- 1	+ 1	+ 4	+ 6	+13	+21	+26	+36	+50	+53	808	23	09	+56	04	03	-35	91
20		+36	+19	+ 2	-13	-13	+ 2	- 8	-26	-23	-11	-16	-25	-28	-13	-13	- 8	-12	- 8	+ 3	+16	+24	+30	+36	+46	815	23	48	+51	08	00	-31	82
21		+23	+18	0	-22	-21	-23	-29	-27	-27	-20	- 7	- 7	-16	-15	-12	- 7	- 2	+ 3	+12	+27	+32	+37	+41	+38	846	23	06	+43	06	13	-33	76
22		+27	+23	+19	+ 5	- 5	- 5	- 7	-15	-25	-22	-15	-11	-10	- 7	- 7	- 5	0	0	0	+ 9	+ 8	+ 8	+15	+19	851	00	02	+31	09	03	-27	58
23		+30	+28	+21	+ 7	- 9	-17	-19	-26	-30	-29	-17	-28	-19	-18	-14	- 9	- 7	+ 1	+ 8	+20	+31	+28	+31	+44	838	24	00	+51	09	31	-41	92
24		+32	+31	+26	+ 4	-17	-12	-19	-22	-22	-23	-24	-24	-23	-21	-14	-13	-12	- 6	+ 2	+14	+22	+30	+40	+48	857	23	43	+52	10	36	-27	79
25		+51	+38	+12	- 5	-11	-11	-14	-19	-23	-25	-20	-18	-21	-23	-18	-15	-13	- 5	+ 2	+20	+25	+25	+31	+38	854	00	37	+53	09	15	-28	81
26		+43	+33	+15	-10	-25	-30	-29	-34	-40	-32	-20	-18	-18	-18	-15	-13	- 8	+ 1	+12	+25	+33	+40	+48	+48	844	22	31	+53	09	27	-45	98
27		+43	+33	+23	+ 8	+12	-26	-37	-36	-31	-22	-20	-23	-26	-22	-20	-18	-16	- 7	+ 7	+20	+31	+38	+46	+52	846	23	48	+54	06	30	-39	93
28		+34	+25	+12	- 1	- 8	-12	-16	-21	-23	-16	-18	-19	-18	-13	-16	-14	-11	- 3	+ 3	+14	+25	+32	+34	+32	857	00	00	+40	08	54	-26	66
29		+33	+20	+ 9	- 3	- 6	- 3	- 5	-10	-14	-24	-30	-26	-16	-10	-13	-14	- 9	- 3	+ 7	+15	+20	+20	+30	+43	844	23	54	+48	10	24	-32	80
30		+26	+16	+ 4	- 7	-10	-12	-17	-16	-16	-20	-20	-17	-17	-17	-15	-12	- 7	- 1	+ 5	+14	+21	+31	+39	+39	866	23	57	+40	09	29	-20	60
31		+33	+21	+ 5	- 7	-17	-17	-15	-15	-12	-12	- 9	- 9	-17	-19	-17	-15	- 9	- 9	+ 2	+19	+32	+34	+34	+30	868	00	02	+38	13	06	-22	60
MEAN.		+26	+17	+ 6	- 5	-12	-13	-14	-17	-19	-19	-17	-16	-15	-14	-12	-10	- 6	- 1	+ 8	+17	+22	+27	+31	+31	861							

[S.I.R.—388.
(1946 Print).

G.M.T.

HORIZONTAL INTENSITY
(H = 34000γ + Mean + ...)

August 1947.

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		+39	+19	0	-11	-11	-11	-26	-43	-37	-29	-35	-33	-21	-13	-11	- 3	+ 5	+12	+19	+25	+30	+37	+47	+48	850	23 30 +50	07 39 -48	98
2		+30	+14	+ 4	- 6	- 7	- 2	- 2	-21	-25	-19	-17	-15	-15	-15	-10	- 6	- 6	- 4	+ 3	+19	+29	+28	+28	+18	864	00 15 +36	08 15 -29	65
3		+13	+ 1	- 6	- 7	- 5	- 6	-10	-12	-12	-11	- 6	- 2	- 4	- 5	- 9	- 9	- 5	- 1	+ 5	+10	+18	+21	+20	+13	859	22 12 +27	08 52 -15	42
4		+ 7	+ 2	- 1	- 3	- 8	-17	-26	-21	-16	-21	-25	-13	-13	-13	-11	-11	- 6	- 3	+ 7	+19	+34	+45	+45	+37	860	21 58 +51	07 00 -28	79
5																													
6		+22	+20	+15	+ 7	- 3	-13	-12	-10	-10	-15	-22	-18	-14	-15	-18	-13	- 5	- 2	+ 3	+12	+10	+15	+30	+34	872	23 06 +35	10 51 -25	60
7		+26	+23	+15	- 4	-21	-27	-23	-19	-21	-22	-19	-17	-14	-12	- 9	- 8	- 6	- 2	+ 1	+11	+21	+26	+56	+56	871	23 18 +58	05 27 -27	85
8		+45	(+28	+14	+ 1)	- 5	-12	-22	-29	-30	-30	-29	-25	-22	-19	-17	-16	-16	-11	0	+14	+27	+40	+51	+54	869	00 00 +56	10 02 -31	87
9		+39	+26	+13	+ 5	+ 1	- 6	-17	-22	-25	-30	-26	-24	-25	-22	-20	-17	-11	- 6	0	+ 9	+23	+39	+46	+54	879	23 21 +56	09 45 -30	86
10		+43	+26	+10	+ 2	- 3	-13	-15	-13	-18	-25	-23	-20	-25	-25	-20	-28	-13	- 8	0	+12	+20	+30	+43	+51	877	23 54 +54	09 57 -28	82
11		+44	+22	+ 6	+ 5	+ 3	+ 3	- 2	0	- 5	-10	-18	-20	-19	-19	-19	-10	-13	- 9	- 4	+ 3	+10	+16	+20	+17	872	00 00 +56	11 57 -23	79
12		+71	+62	+23	- 3	-22	-43	-56	-53	-46	-56	-44	-36	-30	-25	-15	- 3	- 1	+ 6	+15	+30	+44	+53	+63	+66	820	00 55 +81	09 31 -70	151
13		+29	+19	+ 8	- 2	- 7	-10	-15	-20	-22	-20	-21	-15	-17	-15	-10	-11	+ 1	- 1	- 2	+14	+23	+31	+43	+20	849	22 34 +49	07 55 -25	74
14		+ 4	- 6	-15	-21	-28	-23	-23	-23	-21	-18	-15	-15	-13	-15	-16	-13	-11	- 6	+ 2	+20	+41	+61	+78	+80	845	23 25 +83	04 54 -30	113
15		+57	+43	+21	+ 5	- 9	-16	-17	-20	-22	-14	0	-25	-19	- 2	0	+10	+10	+13	+30	+30	+54	+23	-44	-114	858	20 28 +65	11 51 -32	97
16		-43	-28	-19	-27	-31	-33	-30	-26	-26	-29	- 6	0	+14	+ 4	-21	-20	-13	- 7	+12	+34	+53	+70	+85	(+93)	763		00 57 -55	
17		(+35	+18	0)	-17	-24	-30	-17	-29	-24	- 9	-13	-13	- 9	-16	-18	-13	- 4	+ 3	+12	+25	+27	+30	+46	+48	779	23 27 +52	07 55 -43	95
18																													
19		+45	+44	+24	- 1	- 2	+ 5	-10	-25	-13	-19	-42	-33	-29	-31	-25	-13	- 4	- 5	+ 7	+15	+24	+34	+32	+24	802	00 39 +47	10 51 -51	98
20		+ 8	+10	-14	- 6	-14	-20	-20	-21	-24	-19	-19	-17	-17	- 7	- 4	-11	-11	-14	0	+21	+40	+53	+54	+44	818	22 07 +63	08 37 -30	93
21		+39	+39	+24	- 9	-21	-30	-36	-48	-47	-27	-18	-21	-22	-16	- 5	+ 6	+ 8	+ 7	+11	+14	+20	+30	+47	+58	809	23 37 +62	08 00 -55	117
22		+101	+93	+84	+76	+66	+50	+39	+38	+44	+62	-54	-118	-118	-91	-94	-79	-60	-43	-29	-19	+ 2	+14	+21	+22	765	09 15	+111	12 37 -133	244
23		+35	-28	-46	-44	-52	-42	-40	-33	-13	- 5	0	0	- 4	+10	+21	+16	+14	+19	+19	+27	+36	+41	+43	+37	779	00 12 +83	04 39 -55	138
24		+ 3	- 2	- 4	- 5	-16	-14	- 8	-15	-33	-28	-26	-20	- 6	- 6	- 9	- 5	- 2	+ 4	+ 9	+18	+31	+33	+44	+48	803	23 57 +50	08 12 -35	85
25		+25	+12	- 4	-18	-24	-15	- 7	-14	+ 1	- 9	-27	-32	-23	-21	-14	- 6	- 6	+ 6	+16	+25	+27	+30	+38	+41	821	24 00 +45	11 28 -35	80
26		+26	+19	+ 9	- 3	-10	-19	-22	-20	- 9	-15	-27	-19	-14	-20	-22	-22	-15	- 4	+ 6	+19	+29	+36	+44	+45	837	23 18 +46	10 33 -32	78
27		+34	+22	+ 4	- 9	- 8	-30	-21	-31	-43	-43	-34	-32	-23	-20	-15	-10	- 4	+ 6	+19	+32	+45	+53	+56	+49	837	22 42 +59	09 00 -52	111
28		+13	+ 2	- 7	-13	-13	-13	-11	-11	-16	-23	-27	-26	-22	-21	-18	-18	- 9	+ 3	+16	+33	+52	+59	+50	+27	860	21 16 +66	10 54 -27	93
29		+17	-10	-35	-37	-29	-22	-26	-22	-24	-24	-16	-16	-18	-13	-13	-10	- 5	+ 6	+19	+40	+52	+61	+62	+55	847	22 06 +67	02 55 -41	108
30		+34	+29	+ 9	-14	-21	-25	-27	-34	-32	-30	-29	-26	-25	-26	-26	-21	-17	-11	+ 8	+29	+47	+63	+73	+73	863	22 36 +75	07 34 -35	110
31		+55	+40	+23	+ 5	- 8	-11	-13	-21	-30	-28	-19	-15	-23	-23	-24	-25	-19	-10	- 3	+10	+23	+38	+41	+41	872	00 00 +64	09 02 -34	98
MEAN.		+31	+19	+ 5	- 5	-11	-15	-18	-21	-21	-20	-23	-23	-20	-18	-16	-13	- 8	- 2	+ 7	+19	+31	+38	+44	+39	838			

[S.I.R.—388.
(1946 Print).

HORIZONTAL INTENSITY

G.M.T. (H = 34000γ + Mean + ...) September 1947.

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		+38	+24	+ 6	- 7	-18	-26	-29	-32	-29	-25	-22	-18	-18	-18	-18	-12	- 7	- 1	+10	+20	+26	+37	+57	+63	864	23 24 +66	07 45 -32	98
2		+49	+44	+31	+ 9	- 8	-15	-24	-31	-35	-34	-34	-32	-31	-28	-25	-24	-19	-13	0	+19	+33	+47	+58	+71	876	23 33 +86	08 22 -35	121
3		+151	+129	+90	+69	+57	+44	+58	+20	- 3	-128	-102	-82	-68	-72	-56	-44	-27	-16	-25	- 4	- 2	- 1	+ 8	- 1	810	00 30 +162	09 36 -159	321
4		- 7	-27	-37	-43	-33	-34	-33	-39	-34	-25	-16	-13	-10	+ 1	+ 1	+17	+15	+24	+33	+29	+39	+57	+67	+62	801	22 46 +67	03 09 -46	113
5		+14	- 2	- 5	-14	-19	-23	-34	-36	-32	-32	-37	-38	-29	-24	-27	-26	-23	-16	+ 6	+36	+64	+94	+107	+104	832	22 30 +116	10 54 -42	158
6		+92	+75	+36	+12	- 2	-10	-17	-15	-19	-17	-18	-10	-14	- 9	-19	-24	-25	-24	-34	-19	-12	+13	+31	+29	847	00 39 +98	18 39 -36	134
7		+22	+ 3	-13	-26	-32	-29	-29	-20	-18	-30	-20	-14	-15	- 3	+ 1	- 1	+ 7	+13	+22	+12	+16	+36	+52	+57	826	23 42 +61	04 24 -35	96
8		+38	+36	+ 1	-20	-25	-31	-31	-18	-17	-17	-22	-25	-23	-18	-18	-17	-12	- 6	+ 4	(+26	+33	+48	+61	+59	836			
9																													
10		+21	+ 5	- 8	-15	-17	-13	-15	-18	-20	-23	-25	-24	-24	-19	-17	-14	-10	- 4	+ 9	+23	+32	+50	+64	+72	863	23 00 +72	10 27 -25	97
11		+58	+45	+29	+17	+10	+ 4	+ 2	- 4	- 8	-11	-14	-27	-38	-43	-39	-33	-27	-32	-16	+ 6	+15	+29	+43	+40	866	00 00 +66	13 16 -44	110
12		+55	+45	+21	+ 2	- 2	0	- 3	- 7	-30	-37	-21	-22	-24	-21	-21	-17	-12	- 8	0	+12	+23	+32	+24	+ 4	846	00 02 +62	09 00 -45	107
13		+57	+33	+16	+ 7	- 6	-26	-51	-55	-68	-67	-58	-59	-29	-14	-19	-11	- 1	+11	+22	+45	+62	+75	+75	+71	773	21 48 +80	08 39 -75	155
14		+62	+41	+24	+ 8	-13	-31	-43	-61	-75	-74	-53	-58	-34	- 5	- 7	- 1	+ 5	+15	+29	+42	+53	+59	+67	+59	770	22 42 +69	09 33 -90	159
15		+25	+ 7	-13	-32	-29	-22	-23	- 9	-15	-38	-34	-16	-19	-19	+ 3	+13	- 3	+ 1	+ 2	+19	+23	+44	+65	+64	798	22 42 +71	10 15 -48	119
16		+25	+ 8	- 5	-12	-17	-27	-30	-19	-18	-16	-14	-12	-10	- 8	- 6	- 5	- 7	- 5	0	+18	+25	+38	+49	+51	829	23 24 +56	06 06 -36	92
17		+50	+34	+ 3	-13	+13	-20	-18	-25	-32	-19	- 7	- 6	-13	-25	-24	- 1	- 7	-11	-13	+ 4	+20	+35	+30	+35	819	00 00 +57	08 15 -38	95
18		+27	+12	+ 2	-19	-26	-39	-34	-30	-34	-33	-10	- 9	-16	+ 3	0	- 4	- 2	0	+13	+27	+37	+52	+48	+44	815	21 55 +57	06 27 -43	100
19		+26	+12	- 2	-14	-18	-16	-23	-24	-30	-24	-21	-12	-16	-23	-20	-15	-14	- 4	+11	+28	+40	+44	+52	+51	831	22 15 +55	08 30 -36	91
20		+33	+25	+18	0	-13	-27	-32	-28	-23	-24	-32	-32	-24	-17	-15	-13	-15	- 7	+ 4	+24	+42	+53	+53	+50	839	22 18 +57	10 57 -37	94
21		+54	+46	+35	+14	- 5	-26	-41	-37	-29	-35	-38	-31	-30	-26	-16	-13	- 7	+ 1	+11	+21	+33	+41	+45	+42	831	00 03 +56	07 15 -47	103
22		+57	+49	+39	+31	+21	0	- 6	-27	-46	-68	-77	-31	-13	-21	- 7	- 2	- 6	+ 1	+15	+15	+15	+19	+26	+21	818	00 15 +58	10 21 -87	145
23		+16	+14	+16	+22	+ 5	-43	-50	-50	-51	-65	-43	-55	-27	-20	-17	- 9	+ 3	+12	+19	+37	+54	+72	+80	+86	810	23 54 +90	09 27 -70	160
24		+106	+92	+73	+71	+50	+43	+28	+22	+ 7	+11	- 8	-17	0	-24	-33	-24	-17	-41	-54	-46	-55	-52	-63	-66	772	00 06 +119	24 00 -83	202
25		-40	-57	-61	-70	-89	-100	-101	-43	-58	-40	-25	-17	+12	+ 9	+23	+39	+63	+52	+57	+73	+95	+100	+91	+84	724	21 12 +107	06 39 -116	223
26		- 5	-17	-36	-28	-24	-25	-29	-31	-28	-28	-22	-19	-18	-18	-15	-10	- 6	0	+12	+37	+60	+80	+89	+92	812	24 00 +100	02 45 -41	141
27		+76	+52	+16	- 4	-18	-27	-36	-44	-41	-32	-30	-26	-22	-20	-18	-18	-13	-13	- 5	+16	+34	+48	+58	+61	837	00 02 +76	07 42 -47	123
28		+46	+28	+12	+ 2	- 8	-16	-17	-17	-17	-18	-19	-18	-18	-13	-11	-13	-11	- 8	- 2	+ 8	+17	+24	+38	+40	844	00 02 +53	10 30 -23	76
29		+30	+16	+ 1	-10	-14	-11	-14	-19	-17	-26	-30	-28	-26	-24	-24	-21	-14	-11	- 1	+16	+37	+55	+66	+69	842	23 45 +71	10 18 -36	107
30		+51	+35	+10	-10	-22	-27	-27	-26	-27	-25	-26	-25	-23	-25	-22	-21	-18	-13	+ 2	+27	+31	+53	+68	+66	853	23 21 +72	06 09 -27	99
31																													
MEAN.		+42	+28	+10	- 3	-10	-20	-24	-25	-29	-34	-30	-27	-21	-19	-16	-11	- 7	- 4	+ 5	+20	+31	+44	+52	+51	824			

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[S.I.R.—388.
(1946 Print).

HORIZONTAL INTENSITY

G.M.T. (H = 34000 γ + Mean + ...) October 1947.

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		+60	+41	+ 8	-20	-36	-25	-21	-31	-20	-15	-14	-24	-26	-20	-15	-17	-11	- 5	- 3	+22	+32	+40	+44	+46	842	00 03 +68	04 52 -46	114
2		+82	+57	+28	+ 2	-25	-40	-35	-31	-46	-25	-30	-12	0	- 1	-13	+ 8	+ 7	- 5	+10	+ 5	+ 8	+23	+23	+ 2	786	00 02 +97	08 42 -52	149
3		+ 1	-13	-30	-48	-75	-89	-73	-58	-30	-25	-47	-39	-13	+ 3	+ 5	+ 5	+ 8	+13	+30	+53	+78	+101	+113	+132	785	23 42 +138	05 18 -95	233
4		+76	+52	+22	- 1	-22	-34	-39	-45	-46	-39	-31	-34	-30	-28	-24	-20	-18	-17	-11	(+14	+39	+66)	+83	+93	845	23 50 +95	08 31 -47	142
5		+70	+54	+27	+ 6	-12	-21	-26	-30	-31	-32	-34	-32	-28	-24	-21	-18	-15	-13	- 5	+ 8	+27	+44	+58	+59	862	00 00 +75	10 56 -35	110
6																													
7																													
8		+44	+23	+ 4	- 7	- 9	-14	-18	-26	-31	-23	-19	-22	-18	-19	-26	-26	-22	-22	- 6	+11	+33	+55	+73	+74	856	22 51 +82	08 44 -35	117
9		+105	+77	+52	+32	+19	+19	- 3	-10	-23	-38	-56	-68	-31	-21	-31	-19	-13	-19	-14	- 7	- 2	+18	+20	+16	807	00 01 +118	11 27 -74	192
10		+43	+26	+ 8	+13	- 1	- 3	-17	-30	-60	-32	-37	-47	-43	-36	-15	- 5	- 3	+ 9	+11	(+22)	+35	+50	+53	+60	777	23 47 +62	08 58 -71	133
11		+31	+ 9	-15	-32	-41	-40	-39	-35	-21	-19	-20	- 3	0	- 4	- 2	+11	+22	+14	+10	+15	+37	+39	+39	+33	800	20 43 +49	05 12 -47	96
12																													
13		+54	+31	+40	+ 3	-14	-28	-35	-32	-29	-16	-11	- 9	-10	- 8	- 5	- 4	- 5	-19	-22	- 2	+14	+24	+31	+41	813	00 18 +59	06 23 -39	98
14		+39	+22	+14	+ 9	- 1	-29	-55	-38	-27	-15	-21	-24	- 4	+ 8	+ 5	- 5	- 5	-10	- 5	+12	+28	+31	+39	+39	802	00 03 +49	06 38 -61	110
15		+25	+20	+11	0	- 9	-26	-27	-24	-31	-16	- 8	-19	- 2	-10	+ 6	+ 3	- 4	-12	-16	0	+19	+40	+40	+41	811	21 56 +50	05 55 -37	87
16		+19	+ 8	- 2	- 3	-16	-25	-24	-19	-25	-24	-22	-11	-13	-16	-19	- 5	- 3	- 5	(+ 3)	+11	+29	+45	+55	+56	827	23 06 +60	07 51 -26	86
17		+39	+19	+ 2	-13	-20	-23	-27	-30	-24	-18	-18	-17	-19	-19	-15	-12	-12	-10	- 3	+10	+27	+49	+62	+67	834	23 33 +68	07 53 -30	98
18		+50	+39	+25	+12	- 6	+ 7	+ 4	-24	-32	-30	-33	-24	-22	-25	-24	-19	-14	-13	-13	+ 7	+23	+32	+34	+46	849	00 03 +53	10 17 -35	88
19		+67	+54	+38	+14	+ 3	- 7	-13	-19	-19	-28	-37	-36	-23	- 7	- 4	- 7	- 6	- 4	- 2	- 3	+ 2	+ 4	+16	+24	833	00 26 +72	11 06 -42	114
20		+14	+12	- 5	- 5	-10	-12	-15	-20	-27	-15	-16	-18	-15	-10	-10	-12	- 7	0	+ 8	+17	+23	+35	+44	+35	829	22 12 +48	08 36 -34	82
21		+19	0	-14	-23	-25	-29	-28	-24	-21	-19	-21	-18	-13	-13	-11	- 7	- 7	- 5	+ 3	+25	+39	+52	+63	+66	838	23 03 +69	05 30 -30	99
22		+46	+31	+17	+ 3	-14	-24	-23	-23	-29	-36	-35	-28	-28	-25	-23	-19	-17	- 9	+ 2	+21	+41	+54	+59	+57	850	22 12 +60	09 12 -36	96
23		+54	+44	+30	+18	+ 3	-23	-35	-29	-26	-26	-23	-19	-26	-26	-29	-23	-22	(-18	-11)	+ 3	+20	+39	+58	+63	843	23 03 +70	06 57 -38	108
24		+45	+17	- 7	-28	-31	-24	-23	-21	-25	-31	-35	-31	-28	-21	-19	-14	-10	- 1	+16	+38	+61	+68	+56	+54	845	21 10 +75	10 28 -36	111
25		+27	+11	- 4	-17	-22	-23	-19	-18	-18	-20	-22	-24	-20	-17	-17	-18	-16	-12	+ 4	(+27	+47	+58	+59	+63)	860		11 30 -25	
26																													
27		+43	+31	+12	- 6	-16	-20	-21	-22	-22	-22	-23	-22	-21	-18	-21	-21	-21	-16	- 8	+ 9	+32	+52	+61	+63	879	23 06 +67	10 40 -25	92
28		+52	+33	+13	- 4	-17	-22	-23	-23	-23	-22	-21	-22	-24	-24	-22	-24	-24	-19	-12	+ 6	+30	+49	+65	+72	879	23 46 +73	12 21 -24	97
29		+62	+46	+24	+ 3	- 8	-14	-17	-17	-17	-19	-19	-19	-22	-22	-19	-19	-19	-26	-22	- 7	+11	+29	+47	+55	879	00 03 +70	12 30 -22	92
30		+49	+32	+13	- 2	-12	-15	-17	-17	-17	-19	-19	-17	-15	-16	-19	-22	-22	-25	-22	- 7	+18	+44	+64	+67	877	23 15 +80	15 43 -25	105
31		+60	+38	+16	0	-14	-23	-18	-19	-23	-26	-20	-13	-16	-13	-10	-14	-13	-18	-16	- 5	+ 9	+28	+47	+51	871	00 00 +69	09 10 -28	97
MEAN.		+47	+30	+12	- 3	-16	-22	-25	-26	-28	-24	-25	-24	-19	-16	-15	-12	-10	-10	- 3	+11	+28	+43	+52	+55	836			

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HORIZONTAL INTENSITY

G.M.T. (H = 34000γ + Mean + ...) November 1947.

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		+45	+35	+20	+ 6	- 4	-15	-20	-25	-25	-24	-24	-21	-16	-14	-11	-10	- 9	- 7	- 7	+ 1	+16	+30	+38	+36	869	00 00 +49	08 12 -26	75
2		+39	+30	+15	- 1	-16	-19	-19	-20	-20	-20	-18	-16	-15	-15	-13	-10	- 9	- 8	- 5	+ 2	+12	+27	+45	+58	863	23 53 +60	08 59 -20	80
3		+47	+40	+27	+ 8	- 6	-14	-16	-17	-20	-21	-23	-23	-25	-23	-22	-20	-16	-15	-10	+ 3	+19	+35	+49	+51	875	22 50 +56	12 33 -25	81
4		+43	+36	+28	+12	- 5	-12	-14	-16	-16	-16	-19	-17	-14	-17	-23	-16	-17	-22	-19	- 5	+13	+33	+46	+46	871	00 02 +50	14 58 -24	74
5		+40	+27	+13	+ 1	-11	-16	-19	-21	-21	-23	-21	-25	-23	-21	-20	-19	-19	-16	- 7	+11	+31	+46	+54	+57	873	23 42 +59	10 45 -26	85
6		+50	+37	+18	+ 3	-10	-16	-19	-21	-23	-26	-25	-25	-23	-23	-21	-19	-18	-14	- 6	+ 8	+20	+37	+55	+50	880	23 00 +55	10 44 -26	81
7		+38	+30	+15	0	- 8	-15	-18	-19	-18	-15	-18	-18	-18	-19	-22	-19	-19	-20	-16	0	+25	+46	+57	+53	884	22 22 +58	14 13 -23	81
8		+90	+77	+51	+24	+ 5	- 8	-17	-27	-31	-30	-24	-32	-32	-30	-25	-13	- 8	-15	-22	- 8	+ 2	+17	+29	+29	847	00 15 +93	11 45 -36	129
9		+57	+45	+28	+12	+ 4	+ 3	+ 6	+ 7	+12	+41	+29	+26	+14	-32	-17	-36	-35	-27	-17	- 3	-12	-22	-34	-45	813	00 03 +61	13 48 -48	109
10		-11	-32	-39	-38	-42	-42	-39	-30	-22	-14	-16	-14	0	+12	+17	+11	+12	+ 8	+15	+34	+58	+61	+58	+62	781	23 27 +67	02 21 -42	109
11		+10	+ 3	- 7	-14	-21	-26	-24	- 2	- 3	- 7	+ 3	- 4	- 9	- 3	+ 8	- 2	-13	-12	-19	0	+13	+36	+43	+52	816	23 45 +57	05 49 -31	88
12		+49	+22	-12	-21	-31	-38	-38	-36	-26	-14	-15	-14	- 9	- 7	- 2	- 4	- 9	-13	-10	+ 3	+25	+54	+77	+77	816	22 21 +79	05 42 -40	119
13		+51	+35	+16	- 1	-19	-30	-29	-24	-20	-20	-17	- 8	-15	-17	-17	-14	-14	-18	-19	- 2	+20	+47	+61	+62	833	22 48 +65	05 45 -33	98
14		+53	+40	+23	+ 1	-11	-15	-20	-21	-20	-14	-14	-19	-16	-16	-24	-24	-24	-24	-20	0	+18	+35	+52	+66	840	23 55 +68	14 46 -26	94
15		+51	+30	- 2	-24	-26	-26	-24	-28	-24	-26	-26	-21	-20	-17	-13	- 9	- 9	-12	-12	+ 7	+25	+53	+76	+76	850	22 56 +79	07 38 -29	108
16		+73	+52	+20	- 5	-25	-28	-28	-32	-34	-32	-19	-14	-17	-17	-17	-19	-17	-17	-18	- 3	+22	+44	+61	+67	841	00 02 +80	08 41 -38	118
17		+51	+41	+21	- 3	-15	-21	-24	-26	-28	-28	-22	-24	-26	-22	-19	-19	-15	-14	-13	+ 3	+23	+45	+64	+64	857	23 40 +66	08 30 -30	96
18		+47	+31	+14	+ 1	- 8	-18	-18	-21	-28	-28	-22	-18	-16	-13	-17	-11	-11	-16	-15	- 1	+11	+34	+54	+67	864	23 40 +70	09 06 -33	103
19		+96	+76	+51	+31	+ 4	-20	-28	-44	-53	-63	-45	-25	-22	-18	-16	-10	- 6	- 3	- 6	- 3	+ 2	+16	+36	+47	822	00 12 +104	09 15 -65	169
20		+24	+17	0	-13	-22	-27	-27	-28	-27	-30	-25	-17	-22	-20	-17	-15	-15	-13	- 8	+14	+39	+62	+80	+91	846	23 34 +95	06 08 -32	127
21		+74	+58	+29	0	-20	-30	-35	-32	-30	-29	-26	-23	-24	-18	-15	-20	-15	-12	- 8	+12	+21	+36	+53	+62	856	00 01 +83	06 39 -35	118
22		+57	+45	+24	+ 5	-13	-20	-18	-19	-19	-19	-23	-25	-27	-27	-30	-26	-21	-18	- 8	+14	+24	+36	+48	+52	856	00 03 +62	14 46 -31	93
23		+44	+25	+ 6	- 5	-13	-12	-14	-27	-40	-35	-38	-25	-21	-18	-16	-17	-18	-16	- 6	+16	+40	+62	+69	+67	853	23 33 +69	08 37 -45	114
24		+51	+42	+26	+ 3	-14	-19	-19	-19	-19	-20	-19	-20	-20	-19	-19	-16	-15	-11	+ 6	+ 3	+16	+26	+41	+44	866	00 12 +54	05 39 -21	75
25		+53	+48	+29	+ 1	-12	-20	-21	-20	-24	-25	-20	-17	-19	-19	-18	-17	-14	-14	-12	+ 4	+20	+33	+40	+40	849	00 33 +56	09 46 -26	82
26		+24	+16	+ 6	- 8	-18	-23	-19	-21	-18	-15	-12	-17	-13	-11	-13	-13	-13	-11	- 5	+ 9	+26	+47	+53	+50	858	21 55 +54	05 24 -23	77
27		+28	+12	- 1	-14	-24	-28	-27	-21	-19	-14	-13	-16	-17	-18	-18	-16	-11	-11	-10	+36	+39	+56	+60	+65	869	23 55 +67	05 20 -29	96
28		+48	+37	+14	- 5	-15	-20	-19	-19	-16	-16	-17	-20	-17	-16	-19	-25	-27	-32	-28	- 2	+27	+47	+64	+64	883	22 56 +68	17 28 -32	100
29		+81	+57	+32	+11	-24	-26	-28	-24	-22	-15	-10	-12	-13	-10	-10	- 9	-10	-15	-25	-18	+ 7	+18	+32	+41	865	00 04 +86	04 54 -31	117
30		+37	+23	+ 7	-11	-20	-23	-23	-18	-16	-18	-18	-15	-13	-11	-10	-10	-11	-11	-14	+ 1	+16	+35	+59	+65	866	23 21 +72	05 41 -24	96
31																													
MEAN.		+48	+35	+16	- 1	-15	-21	-22	-22	-22	-21	-19	-17	-17	-17	-15	-15	-14	-14	-11	+ 5	+21	+38	+51	+54	852			

1200/9/46—10537

[S.I.R.—388.
(1946 Print).

HORIZONTAL INTENSITY

G.M.T. (H = 34000γ + Mean + ...) December 1947.

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		+54	+25	+ 9	-12	-21	-23	-23	-22	-23	- 4	-20	-24	-22	-22	-20	-18	-18	-17	-12	+10	+16	+46	+72	+77	871	23 18 +82	08 15 -28	110
2		+67	+48	+27	+ 7	-14	-20	-20	-21	-21	-23	-22	-27	-25	-25	-27	-22	-22	-22	-22	- 3	+17	+42	+57	+60	865	00 00 +78	11 28 -31	109
3		+49	+37	+18	- 2	-15	-23	-30	-32	-29	-21	-21	-20	-23	-20	-18	-14	-13	-13	- 7	+ 9	+25	+48	+50	+63	868	23 00 +68	07 31 -35	103
4		+45	+34	+21	0	-15	-19	- 7	- 4	- 4	- 2	- 7	- 8	-10	-23	-21	-26	-25	-18	-12	0	+14	+24	+28	+27	879	00 00 +50	16 00 -31	81
5		+35	+27	+18	- 4	-20	-22	-16	-20	-16	-20	-27	-25	-22	-22	-17	-15	-16	-15	- 7	+14	+25	+43	+59	+52	865	22 41 +61	10 50 -33	94
6		+59	+27	+ 3	-17	-21	-23	-17	-15	-14	-22	-16	-21	-15	-16	- 9	-11	-14	- 6	+ 9	+ 9	+25	+38	+35	+40	842	00 00 +69	05 33 -27	96
7		+36	+26	+ 9	- 6	-15	-16	-22	-20	-16	-20	-19	-18	-18	-15	-12	-10	-13	- 6	- 1	+34	+20	+31	+41	+41	846	23 05 +42	07 51 -22	64
8		+31	+17	+ 2	- 6	- 9	-12	-23	-23	-17	-15	-16	-18	-18	-17	-17	-15	-13	-11	- 2	+ 7	+17	+34	+57	+72	849	23 42 +75	06 31 -25	100
9		+65	+53	+33	+ 7	- 2	-11	-15	-14	-13	-15	-13	- 9	-14	- 9	-13	-22	-20	-16	-11	- 9	+ 1	+13	+19	+24	853	00 14 +69	15 21 -25	94
10		+33	+20	- 2	-19	-24	-25	-16	-16	-24	-24	- 7	- 9	-13	-12	-12	-13	- 9	- 3	+ 4	+15	+23	+42	+50	+51	846	23 16 +54	04 48 -26	80
11		+45	+36	+17	+ 2	-13	-27	-25	-20	-17	-20	-21	-17	-23	-22	-21	-17	-15	- 9	+ 1	+ 9	+14	+30	+51	+56	846	22 46 +59	05 48 -31	90
12		+46	+40	+20	0	-15	-20	-21	-23	-26	-24	-24	-25	-17	-17	-17	-12	- 8	- 3	- 4	+ 2	+14	+37	+50	+55	850	23 59 +57	08 25 -29	86
13		+63	+57	+31	+10	- 6	-15	-23	-20	-23	-32	-29	-26	-29	-20	-20	-20	-17	-17	-18	- 6	+ 6	+30	+50	+63	844	01 06 +68	10 00 -37	105
14		+66	+53	+32	+ 8	-11	-18	-21	-19	-18	-25	-20	-17	-19	-14	-13	-12	-17	-18	-20	-15	+ 4	+20	+36	+48	844	00 31 +68	09 27 -29	97
15		+37	+31	+19	0	-19	-31	-34	-30	-25	-27	-27	-19	-17	-16	-12	-11	-15	-16	-10	+11	+26	+47	+63	+71	854	23 32 +71	05 55 -35	106
16		+64	+50	+23	- 4	-23	-30	-27	-28	-30	-33	-26	-20	-23	-20	-18	-17	-17	-16	-11	+ 4	+17	+42	+62	+71	859	23 50 +74	05 19 -33	107
17		+60	+41	+17	+ 2	- 9	-20	-24	-25	-25	-22	-19	-22	-24	-22	-22	-21	-19	-14	- 9	+ 2	+21	+42	+52	+53	868	00 00 +62	09 12 -26	88
18		+48	+38	+16	+ 1	- 9	-15	-20	-20	-16	-21	-23	-23	-25	-23	-20	-16	-16	-12	- 9	+ 1	+16	+36	+57	+64	869	23 56 +65	12 45 -26	91
19		+75	+68	+44	+15	- 5	-17	-22	-24	-30	-29	-25	-27	-27	-24	-22	-19	-19	-17	-12	- 2	+10	+22	+37	+50	860	00 56 +75	08 57 -31	106
20		+46	+41	+23	- 1	-16	-23	-24	-25	-28	-28	-30	-28	-27	-24	-22	-18	-20	-20	- 6	+12	+30	+51	+67	+78	866	23 31 +79	10 32 -30	109
21		+58	+44	+23	+ 3	-16	-24	-28	-24	-23	-23	-26	-28	-27	-27	-26	-23	-22	-21	-11	+ 9	+29	+54	+68	+69	881	23 06 +72	06 18 -28	100
22		+62	+45	+23	+ 1	-10	-13	-13	-14	-15	-17	-20	-23	-23	-25	-26	-23	-25	-20	-13	0	+19	+42	+52	+47	878	00 03 +70	13 08 -28	98
23		+49	+24	+26	-15	-22	-24	-28	-27	-17	-12	-10	-12	-11	- 6	- 5	-17	-13	-12	- 2	+ 8	+17	+32	+40	+44	865	00 02 +56	06 18 -29	85
24		+38	+32	+23	+ 3	-10	-19	-17	-17	-19	-19	-21	-21	-18	-17	-17	-14	-14	-14	- 8	+ 7	+15	+29	+47	+47	867	22 49 +50	10 44 -21	71
25		+31	+15	0	-15	-20	-16	-16	-15	-15	-15	-15	-16	-17	-17	-16	-15	-16	-16	-10	+11	+26	+42	+56	+59	873	23 04 +64	04 16 -22	86
26		+45	+25	+ 5	- 7	-14	-14	-21	-25	-25	-25	-27	-25	-20	-27	-26	-20	-21	-22	-17	+11	+43	+60	+73	+72	879	23 17 +73	14 09 -30	103
27		+69	+48	+23	0	-15	-31	-31	-27	-21	-15	-16	-21	-18	-16	-16	-12	-14	-16	-21	- 4	- 9	+41	+57	+55	863	00 00 +76	05 45 -35	111
28		+40	+26	+13	- 7	-20	-27	-24	-23	-22	-20	-17	-13	-13	-11	-14	-18	-18	-19	-16	- 1	+19	+45	+62	+67	865	23 38 +72	05 25 -28	100
29		+63	+45	+20	+ 3	-12	-17	-18	-19	-19	-15	-16	-17	-13	-19	-18	-21	-24	-26	-26	-15	+ 9	+32	+60	+73	864	23 43 +75	18 21 -28	103
30		+51	+33	+10	-10	-24	-30	-31	-30	-29	-26	-26	-22	-22	-24	-24	-19	-19	-18	- 9	+ 5	+35	+64	+82	+87	878	23 36 +88	05 48 -35	123
31		+80	+61	+34	+ 9	-10	-21	-23	-26	-26	-26	-22	-21	-21	-21	-21	-20	-18	-18	-13	- 1	+ 9	+23	+43	+57	880	00 05 +82	07 25 -27	109
MEAN.		+52	+38	+19	- 2	-15	-21	-22	-22	-21	-21	-20	-20	-20	-19	-18	-17	-17	-15	-10	+ 4	+18	+38	+53	+58	862			

DECLINATION
(D = 11° + Mean + ...East)
Unit = 0.1 minute of arc

G.M.T.

January 1947.

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		+13	+23	+13	+13	+ 8	+13	+13	+10	+10	+ 3	+ 3	0	- 2	- 7	- 7	- 7	- 7	-19	-30	-33	-22	-12	+ 3	+13	149			
2		+14	+14	+14	+12	+12	+ 9	+12	+12	+11	+ 8	+ 8	+ 8	+ 9	+ 4	- 2	-10	-19	-21	-27	-28	-31	- 6	0	+ 4	148			
3		+11	+11	+18	+21	+21	+21	+15	+15	+11	+ 6	+ 1	+ 1	+ 1	- 2	- 6	- 9	+ 1	-19	-24	-14	-19	-25	-19	- 9	151			
4		+ 1	+ 2	+ 6	+ 9	+ 9	+ 6	+ 7	+ 6	+ 1	+ 1	+ 1	+ 8	+ 1	- 2	+ 2	+ 6	- 3	-13	-29	-14	-15	- 5	+ 5	+11	151			
5		+11	+11	+11	+16	+18	+13	+ 6	+11	+ 6	+ 1	+ 1	- 1	- 1	0	- 4	- 5	-12	-24	-29	-19	- 9	- 5	- 2	+ 9	151			
6		+15	+12	+ 9	+ 9	+11	+ 9	+ 9	+ 6	+ 6	+ 1	+ 1	0	+ 2	+ 1	- 1	0	- 6	-31	-41	-29	-19	- 2	+10	+21	148			
7		+18	+18	+ 9	+21	+18	+10	+12	+ 8	+ 6	+ 5	0	+ 5	0	0	- 1	0	-11	-21	-23	-25	-27	-20	- 6	+ 1	152			
8		+ 1	-15	-14	+ 1	+10	+11	+10	+11	+ 9	+ 3	0	+ 5	+ 4	+ 3	+ 4	+ 1	- 4	-28	-35	-22	-14	- 4	+19	+40	151			
9		+42	+28	+21	+ 6	+ 7	+ 7	+17	+12	+ 8	+ 5	+ 2	- 3	- 3	- 3	- 3	- 3	- 5	-18	-33	-33	-33	-28	- 8	+12	155			
10		+22	+18	+18	+18	+15	+ 9	+ 9	+ 9	+ 6	+ 3	- 1	- 1	- 1	- 1	- 1	- 1	- 2	-12	-27	-22	-25	-17	-11	- 2	154			
11		+ 9	+13	+ 9	+ 1	- 1	+ 6	+ 7	+ 8	+ 5	+ 4	0	+ 1	0	- 2	- 1	- 1	- 2	-11	-20	-21	-11	-20	+10	+22	153			
12		+30	+21	+21	+10	+ 3	+ 5	+10	+10	+10	+ 5	+ 4	+ 2	0	0	+ 1	0	0	-15	-33	-35	-34	-20	- 6	+10	152			
13		+20	+42	+44	+32	+20	+ 7	+ 5	+ 5	+ 1	- 1	- 2	- 4	- 1	- 4	- 1	- 5	- 5	-10	-25	-38	-41	-34	-17	0	157			
14		+13	+19	+22	+ 9	+14	+14	+ 9	+ 6	+ 6	+ 5	- 2	0	- 3	- 2	- 2	+ 2	+ 2	- 6	-21	-31	-33	-29	- 6	+ 6	153			
15		+11	+21	+27	+26	+28	+23	+21	+23	+11	+ 6	+ 1	+ 1	+ 1	+ 1	+ 1	+ 3	+ 3	- 9	-26	-44	-49	-47	-29	- 7	146			
16		- 2	+ 7	+ 8	+27	+43	+37	+43	+33	+18	+ 7	+ 4	+ 1	- 2	-12	-13	-12	-13	-22	-27	-47	-45	-27	- 7	+ 5	154			
17		+20	+24	+31	+22	+15	+ 6	+12	+11	+ 7	+ 2	- 8	- 5	- 3	- 3	- 3	- 3	- 3	-13	-28	-33	-30	-23	- 6	+14	155			
18		+23	+27	+26	+19	+ 7	+ 6	+ 8	+ 7	+ 4	- 2	- 1	- 3	- 3	- 1	- 1	- 5	- 7	-21	-41	-41	-31	-16	+14	+34	153			
19		+37	+26	+ 7	- 3	+ 2	+ 7	+11	+11	+12	+ 7	+ 1	+ 2	- 1	- 1	- 3	- 3	- 4	-23	-31	-31	-24	-10	+ 6	+10	150			
20		+17	+25	+28	+28	+17	+ 5	+ 5	+12	+ 6	+ 5	+ 5	+ 4	0	0	- 2	- 4	- 7	-33	-46	-40	-23	-17	- 5	+15	152			
21		+20	+ 5	-10	-11	-11	0	+10	+ 9	+ 9	+ 4	+ 9	+ 4	+ 5	+ 3	0	0	- 4	-17	-20	-27	-25	- 5	+19	+34	147			
22		+39	+50	+51	+33	+16	+ 1	+ 1	+ 1	+ 1	+ 1	+ 1	0	- 2	- 2	- 6	- 4	- 9	-29	-49	-41	-34	-24	-10	+ 6	156			
23		+23	+19	+18	+ 8	- 2	+ 3	+ 9	+ 8	+ 8	+ 7	+ 3	+ 3	+ 3	+ 2	0	0	- 2	-13	-38	-41	-42	-28	+ 7	+46	149			
24		+54	+67	+64	+44	+23	+ 7	+ 6	+ 9	- 6	- 6	-11	-13	-11	-14	-21	-11	-21	-38	-51	-51	-36	-16	+ 8	+34	153			
25		+39	+44	+31	+19	+21	+18	+13	+15	+ 2	- 2	+ 4	- 2	+ 2	+ 3	- 1	+ 2	- 1	-21	-46	-62	-51	-36	-11	+19	148			
26		+40	+45	+45	+34	+15	+ 4	0	- 4	+ 5	- 5	- 2	- 2	- 5	- 6	- 6	- 3	- 6	-25	-45	-43	-35	-20	+ 5	+ 7	152			
27		+ 9	+11	+18	+14	+13	+18	+19	+14	+11	+ 9	+ 8	+ 2	+ 1	- 1	- 2	- 1	+ 1	-11	-21	-31	-37	-26	-11	+ 4	148			
28		+18	+31	+32	+25	+27	+12	+ 5	+ 3	+ 2	+ 2	+ 2	0	- 4	+ 2	+ 2	- 4	- 4	-17	-37	-37	-32	-22	- 5	+ 8	154			
29		+ 3	- 7	-12	- 2	+ 3	+13	+13	+14	+13	+12	+ 3	+ 3	+ 3	+ 4	+ 5	+ 5	+ 5	- 2	-17	-31	-28	-23	- 7	+14	144			
30		+24	+20	+10	+ 5	+ 5	+ 5	+ 9	+10	+ 5	+ 5	+ 5	+ 3	- 3	0	0	0	- 3	-11	-25	-26	-26	-20	- 5	+15	152			
31		+20	+15	+ 3	0	+ 5	+15	+15	+ 6	+15	+15	+10	+10	+10	+ 9	+ 5	+ 5	+ 2	-10	-38	-45	-45	-30	- 4	+22	147			
MEAN.		+20	+21	+19	+15	+13	+10	+11	+10	+ 7	+ 4	+ 2	+ 1	0	- 1	- 2	- 2	- 5	-18	-32	-33	-30	-20	- 2	+13	151			

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[illegible] 9/46—10537

[S.I.R.—388.
(1946 Print).

DECLINATION

(D = 11° + Mean + ...East)
Unit = 0.1 minute of arc

G.M.T.

February 1947.

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		+27	+31	+25	+21	+12	+ 6	+ 4	0	+ 1	+ 1	+ 1	+ 1	+ 1	+ 1	+ 1	- 3	- 4	-14	-29	-41	-34	-19	- 1	+16	151			
2		+20	+10	+ 7	0	+ 4	+10	+10	+ 8	+ 5	+ 5	+ 5	+ 4	0	- 1	0	0	0	-12	-24	-32	-23	-10	+ 5	+20	152			
3		+26	+24	+13	+ 6	+ 1	0	+ 6	+ 6	+ 6	+ 1	+ 1	+ 2	+ 3	+ 6	+ 6	+ 6	+ 1	-14	-29	-39	-39	-24	- 5	+24	146			
4		+37	+50	+32	+12	- 1	- 8	+ 2	+ 2	- 3	- 8	- 8	- 8	- 8	- 8	- 8	-18	-33	-43	-38	-18	+ 7	+29	+46		160			
5		+56	+54	+26	+17	+ 7	+ 5	+ 6	+ 7	+ 5	+ 2	0	0	- 3	- 3	- 3	- 3	- 8	-23	-38	-49	-43	-23	- 8	+17	155			
6		+35	+45	+35	+30	+15	+ 5	+ 5	+ 1	0	0	0	0	0	0	0	0	0	-15	-35	-45	-45	-32	-15	+10	152			
7		+32	+36	+36	+32	+19	+ 7	+ 9	+ 7	+ 9	+ 7	+ 7	+ 1	- 3	- 1	- 3	+ 2	+ 2	-13	-43	-53	-54	-38	-13	+12	150			
8		+34	+49	+44	+29	+17	+11	+ 9	+ 9	+ 4	- 1	- 6	- 6	- 6	- 9	- 6	- 1	- 6	-22	-56	-59	-52	-26	+ 9	+39	148			
9		+44	+39	+34	+19	+ 9	- 1	+ 4	+ 4	+ 4	- 1	- 5	- 4	- 1	- 1	- 1	- 1	- 1	- 1	-21	-37	-51	-36	-11	+ 6	153			
10		+22	+22	+19	+18	+12	+ 2	+12	+12	+ 7	+ 2	- 6	- 7	- 6	- 9	-10	- 8	- 6	- 8	-19	-33	-33	-17	+ 7	+27	155			
11		+40	+33	+23	+ 8	+ 2	- 7	0	+ 3	0	- 2	- 2	- 2	- 7	- 7	-10	-12	-12	-27	-41	-37	-22	- 2	+28	+49	159			
12		+57	+49	+36	+18	+ 9	- 1	+ 6	+ 7	+ 6	+ 4	- 2	- 3	- 4	- 8	- 8	- 8	-11	-18	-43	-46	-38	-23	- 3	+16	160			
13		+24	+20	+18	+14	+14	+ 9	+ 8	+ 8	+ 6	0	- 1	- 7	- 7	- 6	- 9	- 6	- 9	-16	-27	-26	-21	- 8	+ 9	+24	158			
14		+34	+30	+24	+14	+ 8	+ 2	+ 8	+ 9	+ 4	+ 1	- 1	- 1	- 1	- 1	- 1	- 6	-11	-26	-36	-38	-26	-10	+ 8	+19	158			
15		+29	+24	+16	+ 9	+ 3	+ 4	+ 9	+ 9	+ 6	+ 5	- 1	+ 3	+ 3	- 1	- 1	- 1	- 6	-16	-36	-43	-34	-16	+ 5	+19	153			
16		+35	+40	+39	+39	+29	+19	+20	+15	+13	+ 9	- 1	-13	-20	-20	-20	-20	-25	-30	-40	-35	-22	+ 3	-65	+55	147			
17		+50	+55	+55	+40	+20	+ 5	0	0	- 9	-16	-11	- 7	- 5	- 5	- 5	- 1	- 5	-15	-38	-50	-48	-29	- 7	+15	157			
18		+26	+22	+16	+ 6	- 4	- 9	0	- 4	- 7	- 9	- 4	0	+ 1	+ 2	+ 6	+ 6	+ 3	- 9	-20	-34	-27	- 9	+10	+26	156			
19		+33	+19	+15	+10	- 2	- 6	0	- 5	- 2	+ 5	+ 5	+ 5	0	+ 6	+ 7	- 5	0	-10	-30	-35	-24	-10	+ 6	+25	152			
20		+34	+29	+30	+20	+10	+ 5	+15	+15	+10	+ 7	+ 5	- 1	0	0	0	0	0	-10	-30	-46	-50	-35	-15	+ 5	152			
21		+12	+ 7	+ 7	+12	+ 2	- 3	+ 5	+ 4	+ 2	+ 1	+ 1	- 3	- 4	- 3	- 3	- 3	- 3	-10	-18	-23	-23	- 8	+12	+27	155			
22		+39	+44	+33	+14	- 1	- 5	+ 4	+ 4	+ 4	+ 4	+ 3	- 2	- 1	- 1	- 1	- 1	- 6	-11	-31	-41	-41	-25	- 3	+17	153			
23		+26	+33	+33	+23	+13	+ 3	+ 3	+ 3	0	- 2	- 3	- 2	- 3	- 3	- 8	- 7	- 7	-13	-27	-30	-27	-18	0	+13	159			
24		+29	+33	+19	+ 8	+ 9	+ 7	+14	+14	+ 8	+ 4	+ 3	- 1	- 3	- 1	- 1	- 1	- 1	-11	-31	-42	-38	-26	- 5	+16	153			
25		+31	+32	+22	+ 7	+ 4	+ 2	+ 7	+ 7	+ 2	- 3	- 7	- 6	- 8	- 7	- 6	- 3	- 3	-13	-33	-33	-23	-13	+12	+32	155			
26		+40	+39	+30	+22	+12	+ 5	+ 5	+ 4	+ 5	- 5	- 5	- 5	- 5	- 5	- 5	- 5	- 5	-10	-25	-40	-40	-25	- 8	+15	157			
27		+28	+35	+21	+ 7	+ 1	0	+ 8	+ 8	+ 8	+ 6	+ 6	+ 1	0	+ 1	+ 1	+ 1	+ 1	- 9	-29	-39	-39	-22	- 4	+11	151			
28		+13	+23	+27	+17	+ 9	- 2	+ 2	- 1	- 2	- 2	- 2	- 2	- 2	- 2	- 2	- 2	- 7	-12	-17	-17	-27	-15	+ 3	+23	159			
29																													
30																													
31																													
MEAN.		+33	+33	+26	+17	+ 8	+ 2	+ 6	+ 6	+ 3	+ 1	- 1	- 2	- 3	- 3	- 3	- 3	- 5	-15	-32	-39	-34	-18	- 1	+22	154			

[S.I.R.—388.
(1946 Print).

DECLINATION

(D = 11° + Mean + ...East)

G.M.T. Unit = 0.1 minute of arc March 1947.

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		+29	+27	+14	+ 8	- 1	0	+ 1	+ 1	- 1	- 1	- 3	- 1	- 1	0	0	- 1	- 1	-12	-26	-31	-26	-10	+14	+24	158			
2		+26	+21	+16	+ 6	+10	+10	+10	+ 1	+ 6	+10	- 4	-10	-14	-19	- 9	- 4	- 4	-14	-29	-29	-14	+ 1	+16	+21	156			
3		+37	+28	+23	+23	+13	+13	+18	+ 8	+ 3	- 7	- 7	-17	-17	- 7	- 3	- 3	- 7	-27	-37	-37	-32	- 7	+17	+27	149			
4		+18	+28	+18	+18	+18	+ 8	- 2	- 2	-12	-12	-12	- 7	- 7	- 8	- 7	- 7	- 7	-22	-32	-32	-15	+ 3	+23	+38	154			
5		+44	+37	+22	+12	+ 1	- 3	+ 7	+ 4	+ 2	+ 2	+ 1	0	+ 1	+ 2	+ 2	+ 1	- 3	- 8	-33	-48	-43	-23	+ 2	+25	155			
6		+31	+30	+16	+ 6	0	+ 6	+11	+ 8	+ 6	+ 4	+ 3	+ 1	- 5	0	+ 1	0	+ 1	- 9	-24	-49	-44	-24	0	+21	156			
7		+33	+33	+23	+13	+ 3	+ 3	+ 9	+ 3	- 2	- 7	- 2	- 2	- 5	- 7	+ 3	+ 2	+ 3	- 7	-27	-38	-37	-21	- 1	+19	154			
8		+28	+28	+25	+23	+ 8	+13	+22	+13	+12	- 5	- 7	-12	-17	-17	-17	-22	-22	-27	-37	-27	-22	+ 3	+18	+28	154			
9		+35	+35	+30	+25	+10	+ 4	+ 4	- 5	- 5	- 3	- 3	- 5	- 6	- 5	- 5	- 5	- 5	-10	-34	-32	-30	-15	+ 3	+21	152			
10																													
11		+16	+26	+26	+20	+ 6	+11	+ 6	+ 7	+ 3	- 4	- 4	- 4	- 4	- 4	- 4	- 4	- 4	- 7	-19	-24	-24	-18	- 4	+16	156			
12		+28	+31	+26	+21	+11	+15	+11	+ 6	+ 5	- 2	- 4	- 9	- 9	- 9	- 9	- 9	- 9	- 9	-19	-24	-24	-19	- 8	+11	161			
13		+26	+31	+31	+25	+18	+15	+16	+11	+ 3	+ 1	+ 1	- 1	- 4	- 3	- 1	- 2	+ 1	- 4	-22	-44	-42	-34	-19	- 9	161			
14		+ 9	+15	+15	+25	+15	+15	+15	+10	+ 5	- 5	- 5	-10	-15	-15	-15	-15	-15	-10	-15	-17	-15	- 5	+10	+29	157			
15		+43	+38	+33	+20	+14	+12	+13	+ 7	- 2	-10	- 7	-12	- 2	-17	-17	-12	-12	-14	-13	-27	-27	-17	- 7	+ 8	159			
16		+19	+25	+23	+20	+ 9	+ 5	+ 9	+ 5	0	- 1	- 1	- 2	- 2	- 3	- 4	- 6	- 6	- 6	- 7	-23	-28	-20	-10	+ 3	166			
17		+25	+29	+23	+13	+ 3	- 2	- 3	+ 3	- 2	- 2	- 2	- 2	+ 2	+ 3	+ 3	+ 3	+ 6	- 2	-16	-25	-27	-22	- 5	+ 3	157			
18		+10	+19	+20	+13	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 2	- 1	0	- 5	+ 5	+ 5	+ 5	0	-15	-30	-29	-20	-10	+ 2	160			
19		+12	+20	+22	+12	+ 2	+ 6	+ 7	+ 2	- 2	+ 2	+ 2	+ 2	0	+ 2	+ 2	+ 2	+ 2	- 1	-13	-25	-28	-18	- 8	+ 2	163			
20		+ 9	+19	+19	+ 9	+ 8	+ 9	+ 4	- 1	- 1	- 1	- 1	- 3	- 4	- 1	- 1	- 1	+ 3	- 1	-11	-21	-21	-16	- 3	+ 9	166			
21		+22	+27	+28	+22	+17	+12	+12	+11	+ 6	+ 2	0	+ 2	0	- 2	- 3	+ 2	+ 2	+ 1	-13	-28	-37	-31	-24	-18	163			
22		- 2	+ 9	+13	+13	+11	+21	+18	+13	+ 3	+ 3	- 7	- 2	- 2	- 7	- 3	+ 1	- 2	- 5	- 6	-12	-12	-22	-22	-12	162			
23		+ 8	+13	+18	+14	+ 8	+18	+18	+13	+ 8	+ 8	+ 8	- 2	- 2	- 1	- 2	-12	-14	- 2	- 7	-22	-22	-25	-17	- 2	157			
24		+ 9	+21	+29	+30	+21	+16	+21	+15	+ 6	+ 1	+ 1	- 1	- 4	- 3	- 4	- 4	- 4	- 9	-19	-29	-34	-32	-19	- 4	164			
25		+18	+28	+28	+20	+ 9	+ 8	+ 8	- 2	+ 2	- 2	- 2	+ 2	- 2	- 2	- 1	- 2	+ 2	- 2	-22	-28	-28	-21	- 9	- 1	157			
26		+15	+25	+30	+25	+21	+11	+10	+ 6	+ 1	0	0	- 5	- 2	0	- 2	0	+ 3	- 5	-15	-35	-35	-30	-15	0	155			
27		+ 9	+22	+24	+20	+14	+14	+ 9	+ 4	+ 4	+ 4	- 6	- 6	- 1	- 2	- 6	- 1	+ 4	- 1	-11	-27	-26	-21	-16	- 6	161			
28		+ 7	+14	+19	+14	+16	+14	+19	+14	- 1	- 3	- 1	- 3	- 5	- 8	- 8	- 6	- 6	- 4	-26	-26	-21	-11	- 1	+ 9	156			
29		+15	+14	+20	+20	+20	+13	+12	+ 7	+ 5	+ 4	+ 3	+ 5	+ 3	+ 2	0	+ 2	0	0	-15	-40	-40	-30	-20	- 5	160			
30		+13	+18	+28	+18	+ 8	+ 8	+13	+ 3	+ 8	+ 3	- 2	- 4	- 5	(- 8	- 9	- 7	- 7	- 5	-21	-21)	-19	-12	- 2	+ 6	157			
31		+ 9	+22	+32	+28	+22	+15	+ 9	+ 7	+ 5	+ 2	- 1	- 4	- 8	- 8	- 8	- 8	- 1	- 4	- 8	-21	-28	-28	-18	- 4	163			
MEAN.		+20	+24	+23	+18	+11	+10	+10	+ 6	+ 2	0	- 2	- 4	- 5	- 5	- 4	- 4	- 3	- 8	-20	-29	-28	-18	- 5	+ 9	158			

[200/9/46—10537

[S.I.R.—388.
(1946 Print).

DECLINATION

(D = 11° + Mean + ...East)

G.M.T. Unit = 0.1 minute of arc April 1947.

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		+12	+17	+22	+12	+12	+12	+12	+ 7	+ 6	- 1	+ 2	- 3	- 1	- 3	- 3	+ 2	+ 2	- 3	-23	-33	-28	-23	- 8	+ 2	163			
2		+19	+29	+29	+19	+16	+15	+ 9	+ 4	- 1	- 1	- 1	- 6	-11	-11	- 6	- 1	- 1	- 1	-11	-24	-24	-21	-11	- 1	166			
3		+ 6	+13	+21	+26	+16	+16	+11	+ 6	+ 1	0	0	- 4	- 4	- 4	- 4	+ 1	+ 1	- 4	-14	-24	-30	-24	-19	- 4	169			
4		+ 8	+18	+18	+18	+22	+18	+13	+ 8	+ 8	- 2	- 7	- 7	- 7	- 7	- 2	- 2	- 2	- 7	-12	-22	-22	-17	-12	-12	167			
5		- 3	+ 2	+12	+12	+12	+17	+12	+ 7	+ 7	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 7	+ 7	+ 2	-18	-13	-21	-28	-18	- 8	163			
6		- 1	+ 4	+ 9	+ 4	+ 9	+14	+14	+ 8	+ 4	+ 4	+ 4	+ 4	+ 4	+ 4	+ 4	- 1	+ 4	- 1	+ 4	-21	-26	-26	-21	-11	161			
7		- 6	+ 4	+14	+14	+14	+14	+14	+11	+ 9	+ 6	+ 4	+ 4	+ 4	- 6	- 4	- 6	- 1	+ 4	- 1	-16	-26	-26	-16	- 6	161			
8		+ 1	+11	+21	+21	+16	+18	+16	+11	+ 6	+ 6	+ 6	+ 1	- 4	- 9	- 9	+ 1	+ 1	+ 1	- 9	-24	-29	-31	-19	- 4	164			
9		- 5	+10	+20	+25	+25	+30	+25	+15	+10	- 5	-10	-20	- 5	-10	- 5	-10	0	0	- 5	-10	-20	-20	-15	-10	165			
10		+ 2	+12	+15	+13	+12	+12	+11	+ 7	+ 4	+ 2	- 3	- 8	- 3	- 3	0	+ 2	+ 3	+ 2	+ 2	-13	-18	-22	-18	-11	163			
11		- 1	+13	+29	+26	+14	- 1	+ 4	- 1	- 1	- 3	- 4	- 4	- 1	- 1	- 1	- 1	+ 4	+ 9	+ 4	-14	-21	-21	-16	-11	166			
12		+ 2	+12	+22	+27	+22	+12	+ 7	+ 2	- 3	- 8	- 3	- 8	- 3	- 9	- 1	+ 2	+ 2	+ 2	+ 2	- 8	-18	-23	-21	-18	163			
13		-11	- 6	+ 4	+ 9	+14	+14	+ 4	+ 4	+ 4	+ 4	+ 4	+ 4	+ 4	+ 4	+ 4	+ 4	+ 3	+ 3	+ 3	+ 4	-17	-16	-16	- 6	- 7	161			
14		+ 1	+ 6	+11	+16	+16	+11	+ 1	+ 1	+ 1	0	+ 1	- 2	+ 1	+ 1	+ 1	+ 1	+ 1	+ 1	- 9	-14	-19	-19	-14	- 4	164			
15		- 2	+ 3	+13	+13	+ 8	+ 7	+ 2	+ 7	+ 7	+ 3	- 2	- 8	- 2	- 2	+ 5	+ 6	+ 6	+ 6	- 2	-17	-27	-20	-12	+ 3	162			
16		+ 7	+17	+27	+27	+17	+12	+ 7	- 4	- 3	- 3	- 3	- 3	- 3	- 3	- 3	0	+ 2	- 4	- 8	-16	-23	-23	-13	- 3	168			
17		+ 3	+11	+18	+18	+13	+ 9	+ 5	- 1	- 2	+ 1	- 2	+ 1	+ 5	+ 8	+ 8	+ 8	+18	+23	+16	-12	-22	-32	-42	-42	167			
18		-32	-17	+ 3	+18	+18	+13	+18	+18	+18	+11	+ 8	+ 7	-17	-12	- 2	- 2	- 2	- 2	+ 3	- 2	-12	-12	-12	-12	157			
19		-15	- 6	+10	+17	+12	+15	+ 7	+ 2	+ 2	- 3	- 3	- 5	- 5	- 5	+ 2	- 4	+ 7	+ 7	- 3	- 8	-13	-13	- 3	- 2	168			
20		+ 5	+10	+15	+20	+20	+20	+ 5	+ 5	0	0	- 5	0	0	0	0	+ 2	+ 3	+ 5	-20	-15	-20	-25	-20	-15	170			
21		+ 5	+ 7	+12	+16	+17	+12	+ 7	+ 2	+ 2	+ 2	+ 2	- 3	- 3	+ 2	- 3	+ 2	+ 7	+ 4	- 3	-18	-26	-23	-13	- 3	168			
22		+ 2	+ 2	+ 2	+12	+11	+16	+12	+ 7	+ 7	+ 7	+ 7	+ 2	+ 2	+ 2	+ 2	+ 6	+ 2	+ 2	+ 2	-18	-23	-28	-18	- 8	163			
23		- 3	+ 2	+12	+17	+17	+12	+ 7	+ 5	+ 2	+ 2	- 3	- 3	- 3	- 3	- 3	- 3	+ 2	+ 2	- 3	-13	-15	-18	-13	- 3	168			
24		+ 7	+17	+22	+22	+17	+12	+ 7	+ 2	- 3	- 3	- 3	- 3	- 3	- 3	- 3	+ 2	+ 4	+ 7	- 8	-23	-23	-23	-13	- 3	168			
25		+ 5	+ 8	+18	+23	+18	+18	+13	+ 8	+ 3	+ 3	- 2	- 2	- 2	- 2	- 2	- 2	- 2	+ 3	-22	- 2	-12	-27	-32	-22	167			
26		0	+ 9	+20	+27	+25	+20	+18	+10	+ 5	+10	+10	+ 1	0	0	0	+ 1	+ 5	+ 5	0	-10	-30	-45	-40	-39	165			
27		-25	+ 5	+25	+25	+25	+20	+15	+10	+ 5	+ 5	0	- 5	- 5	- 5	- 5	+ 5	+ 5	+ 5	- 5	-15	-25	-25	-25	- 7	170			
28		+ 6	+ 6	+16	+26	+26	+16	+ 6	+ 6	+ 4	+ 1	+ 1	- 4	+ 1	- 4	- 4	+ 1	+ 1	+ 6	+ 6	-14	-24	-34	-24	-19	169			
29		- 9	+ 6	+21	+26	+16	+16	+16	+ 5	+ 6	+ 6	- 4	- 4	- 4	- 4	- 4	+ 3	+ 4	+ 6	+ 6	- 9	-26	-24	-24	-24	169			
30		-23	- 3	+17	+27	+22	+17	+17	+ 7	+ 7	+ 7	- 3	- 3	- 3	+ 2	- 3	+ 7	+ 7	+ 7	- 3	-18	-23	-23	-23	-13	168			
31																													
MEAN.		- 2	+ 7	+17	+19	+17	+15	+11	+ 6	+ 4	+ 2	0	- 3	- 2	- 3	- 1	+ 1	+ 3	+ 3	- 4	-15	-22	-24	-18	-11	165			

[S.I.R.—388.
(1946 Print).

DECLINATION

(D = 11° + Mean + ... East)

G.M.T. Unit = 0.1 minute of arc May 1947.

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	+13	+22	+28	+34	+27	+22	+12	+ 5	- 3	- 6	-13	-16	-13	- 9	-12	-13	- 5	+ 2	- 9	-19	-23	-18	- 7	168			
2		+ 7	+21	+27	+28	+20	+15	+ 7	+ 5	+ 2	0	0	- 3	- 3	- 3	+ 1	- 3	- 3	- 3	- 3	-14	-28	-24	-24	-18	169			
3		0	+16	+24	+26	+18	+15	+10	+ 5	+ 4	+ 3	- 1	- 5	- 5	- 5	- 5	- 5	- 6	- 7	- 1	-13	-25	-27	-16	-12	171			
4		- 4	+ 5	+15	+25	+21	+16	+10	+ 5	+ 4	+ 6	+ 4	0	- 4	- 1	- 6	- 6	- 6	+ 5	+ 5	- 5	-23	-25	-25	-20	170			
5		-15	- 3	+ 7	+15	+17	+17	+14	+ 8	+ 6	+ 6	+ 2	+ 2	+ 3	+ 3	+ 2	0	+ 1	+ 2	+ 7	- 3	-19	-20	-23	-21	168			
6		- 6	+13	+24	+23	+15	+14	+ 6	+ 5	+ 4	+ 4	+ 3	- 1	+ 5	- 6	- 8	-11	- 6	- 5	+ 4	0	-15	-17	-26	-29	171			
7		-13	+ 3	+21	+27	+22	+21	+12	+10	+10	+ 7	+ 6	+ 2	+ 2	+ 1	+ 2	+ 2	+ 2	+ 1	0	-12	-29	-38	-38	-23	164			
8		-11	+ 8	+25	+35	+24	+15	+ 9	+ 3	+ 4	+ 4	+ 2	0	- 4	- 1	- 1	+ 1	- 1	- 1	- 5	-16	-24	-25	-22	-16	171			
9		- 6	0	+13	+19	+18	+11	+ 9	+ 9	+ 3	+ 6	+ 8	+ 4	0	+ 1	+ 3	+ 2	+ 4	+ 1	+ 5	-11	-21	-32	-35	-21	166			
10		- 1	+17	+18	+23	+16	+10	+ 7	+ 2	- 1	- 1	- 2	- 2	- 2	- 1	+ 2	+ 5	+ 7	+ 7	+ 8	- 7	-14	-31	-33	-22	167			
11		- 7	+ 4	+11	+12	+10	+ 9	+ 6	+ 3	+ 3	+ 4	+ 4	+ 2	+ 2	+ 1	+ 2	+ 3	+ 4	+ 5	+ 8	- 7	-17	-21	-27	-23	162			
12		- 9	+ 4	+16	+19	+15	+13	+ 5	+ 5	+ 4	+ 4	+ 3	+ 2	- 2	- 1	+ 3	+ 3	+ 4	+ 3	+ 5	- 5	-16	-19	-25	-25	161			
13		-10	+ 9	+19	+21	+14	+ 9	+ 7	+ 2	+ 1	- 1	0	0	0	0	+ 4	+ 2	+ 8	+10	+10	-10	-19	-28	-25	-21	165			
14		- 9	+ 4	+14	+19	+19	+13	+11	+ 4	+ 2	- 2	- 7	- 6	- 6	+ 2	+ 4	+ 5	+ 8	+12	+ 9	- 5	-16	-26	-27	-26	162			
15		-17	- 6	+12	+15	+13	+12	+ 6	+ 1	+ 1	- 5	- 5	- 4	- 2	- 1	+ 6	+ 6	+ 6	+ 5	+ 6	- 5	+ 1	-15	-17	-11	161			
16		+ 2	+13	+24	+30	+20	+15	+ 5	- 3	- 1	- 6	-13	-13	- 6	- 7	- 1	+ 5	+ 5	+10	+13	- 1	-16	-26	-29	-26	161			
17		-16	- 2	+10	+23	+23	+14	+ 5	+ 5	+ 2	+ 2	- 5	- 6	- 7	-10	- 4	+ 2	+ 5	+14	+19	+ 9	- 4	-19	-29	-35	161			
18		-26	- 8	+ 3	+19	+19	+11	+ 9	+ 1	- 2	- 3	- 7	- 7	- 4	0	+ 1	+ 9	+10	+11	+20	+ 9	- 8	- 7	-25	-19	164			
19		-12	- 3	+ 9	+17	+16	+16	+12	+ 6	+ 4	+ 5	0	+ 1	+ 2	+ 5	+ 6	+10	+11	+11	+ 9	- 4	-18	-33	-42	-35	159			
20		-25	- 3	+16	+22	+17	+16	+ 7	+ 6	+ 2	- 4	- 4	- 7	- 4	+ 2	+ 3	+ 6	+ 6	+ 3	+ 7	- 2	-14	-22	-14	-14	169			
21		- 3	+11	+17	+17	+ 8	+ 6	+ 4	+ 2	- 3	- 3	- 3	- 1	+ 2	+ 4	+ 7	+ 8	+ 8	+ 7	+ 7	0	-23	-30	-30	-20	168			
22		- 9	+ 6	+21	+26	+23	+21	+11	+ 6	+ 6	+ 4	+ 5	+ 1	+ 1	+ 1	+ 6	+ 7	+11	+11	+16	- 4	-26	-44	-49	-44	164			
23		-27	- 3	+19	+21	+16	+11	+ 6	0	0	- 1	- 3	- 4	- 1	+ 1	+ 6	+ 9	+11	+ 9	+16	+ 1	-13	-25	-28	-22	169			
24		- 6	+10	+31	+35	+24	+15	+15	+10	+12	0	-10	-15	-15	- 5	0	+ 4	0	- 4	+ 5	- 4	-14	-25	-35	-35	170			
25		-22	- 2	+14	+25	+18	+11	+ 4	- 2	- 2	- 2	- 3	- 3	- 4	- 5	- 2	- 2	- 1	+ 7	+ 3	+ 6	-11	-23	-17	+ 4	167			
26		+15	+26	+24	+17	+14	+15	+10	+ 4	+ 4	- 5	- 5	- 5	- 6	- 5	- 5	- 4	+ 1	- 5	0	- 7	-15	-25	-25	-16	170			
27		- 4	+ 5	+17	+16	+13	+ 6	+ 5	+ 3	+ 2	- 5	- 5	- 6	- 5	- 2	0	+ 3	+ 4	0	+ 5	+ 2	-10	-15	-15	- 7	170			
28		- 6	+ 4	+15	+24	+14	+10	+ 4	+ 2	+ 3	+ 3	+ 3	+ 3	- 1	+ 1	- 5	+ 4	+ 4	+ 4	+ 9	- 1	-15	-21	-27	-30	171			
29		-14	- 7	+ 7	+17	+18	+18	+16	+16	+ 7	+ 2	- 3	- 3	- 4	- 4	-12	-13	- 8	+ 6	+16	+12	- 3	-17	-23	-13	168			
30		-13	- 6	+ 8	+ 9	+10	+13	+ 8	+ 6	+ 3	+ 3	+ 4	+ 4	+ 3	+ 4	+ 5	+ 8	+ 8	+ 7	+ 8	- 3	-12	-22	-31	-32	167			
31		-23	-12	+ 8	+27	+18	+17	+ 8	+ 7	+ 7	+ 5	- 1	- 1	- 1	0	0	0	+ 7	+ 8	+16	- 2	- 8	-23	-32	-23	167			
MEAN.		- 9	+ 4	+16	+22	+18	+14	+ 9	+ 5	+ 3	+ 1	- 1	- 3	- 3	- 1	0	+ 2	+ 3	+ 4	+ 7	- 4	-16	-24	-27	-21	166			

[S.I.R.—388.
(1946 Print).

DECLINATION

(D = 11° + Mean + ...East)
Unit = 0.1 minute of arc

G.M.T.

June 1947.

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		-10	+11	+21	+16	+ 6	+14	+ 5	- 5	-10	-15	- 9	- 6	- 5	- 4	+ 1	+ 4	+ 6	+ 5	+ 6	+ 3	- 8	-15	-14	- 5	170			
2		- 1	+17	+24	+25	+18	+ 9	+ 5	- 1	- 2	- 1	- 2	- 2	- 3	- 3	- 1	0	- 1	- 1	0	- 2	-14	-22	-27	-21	177			
3		- 2	+14	+24	+21	+10	+10	+ 1	- 1	- 3	- 7	-10	- 8	-10	-11	- 3	- 2	- 1	- 1	+ 9	+ 8	- 3	-12	-20	-12	176			
4		- 5	+ 5	+24	+30	+17	+14	+ 6	+ 5	+ 3	+ 3	+ 2	- 3	- 3	- 4	+ 3	+ 3	+ 4	+ 6	+ 6	- 5	-24	-35	-34	-24	170			
5		-10	+ 5	+14	+17	+14	+12	+ 5	+ 5	+ 2	+ 3	- 6	-10	- 4	- 3	- 4	+ 5	+ 6	+ 6	+16	+14	+ 3	-15	-36	-30	170			
6		-32	-18	+ 3	+15	+16	+ 7	+ 6	+ 4	+ 5	+ 5	+ 4	+ 3	+ 6	+ 5	+ 3	+ 6	+ 3	+ 3	+ 8	+ 6	- 4	-12	-21	-24	167			
7		-20	- 6	+ 3	+ 7	+ 7	0	- 2	- 5	- 4	- 2	- 6	- 2	- 1	+ 1	+ 6	+ 8	+ 9	+ 6	+10	+ 5	- 1	- 2	0	- 2	167			
8		- 6	- 8	- 6	+ 8	+ 7	+ 7	+ 4	+ 3	+ 1	+ 1	0	+ 1	0	+ 2	+ 7	+13	+13	+14	+17	0	- 4	-18	-26	-25	163			
9		-17	- 3	+16	+25	+13	+11	+ 7	+ 2	+ 2	0	- 3	- 4	- 8	- 1	0	+ 7	+12	+15	+17	+ 7	- 5	-19	-37	-42	163			
10		-41	-24	- 3	+16	+ 8	+ 7	+ 8	+ 4	+ 5	+ 4	+ 3	+ 1	+ 2	+ 5	+ 7	+ 8	+10	+12	+15	+ 6	- 4	-19	-23	-15	159			
11		-11	+ 4	+16	+19	+ 8	+ 4	0	0	- 3	- 1	- 1	- 1	- 1	- 1	0	+ 4	+ 1	0	+ 5	+ 1	- 6	- 8	- 9	-10	166			
12		- 8	- 4	+ 4	+ 8	+ 5	+ 6	+ 6	+ 4	+ 4	+ 5	+ 2	+ 3	+ 2	+ 2	+ 1	+ 4	+ 6	+ 5	+ 9	+ 5	- 2	-12	-28	-37	169			
13		-18	0	+ 9	+ 8	+ 9	+ 8	+13	+ 3	+ 1	0	+ 1	+ 2	+ 1	+ 2	+ 4	+10	+12	+10	+15	- 1	-10	-19	-25	-24	165			
14		-14	+ 5	+13	+ 7	+13	+11	+ 6	+ 2	- 5	-15	-10	- 7	- 7	- 5	+ 3	+ 5	+ 6	+ 6	+13	+ 3	- 5	- 4	- 5	- 5	160			
15		-11	+ 2	+ 9	+12	+11	+ 8	+ 2	- 3	- 1	- 2	- 3	- 9	- 9	- 3	- 2	+ 2	+ 8	+12	+16	+ 7	- 1	- 7	-21	-26	168			
16		-11	- 4	+14	+20	+16	+ 8	+ 5	- 3	- 4	- 4	- 4	- 4	- 3	- 3	0	+ 5	+ 5	+ 5	+14	+ 1	- 8	-15	-15	- 7	170			
17		+ 1	+ 9	+13	+23	+20	+20	+11	+ 6	- 1	-10	-15	-19	-14	-12	- 8	+ 1	+ 8	+10	+20	+ 4	- 5	-14	-19	-19	175			
18		- 6	+12	+30	+30	+18	+11	+ 8	+ 6	+ 2	- 3	- 7	-13	- 8	- 8	0	0	+ 3	+ 7	+17	+ 9	- 8	-25	-31	-33	173			
19		-18	- 2	+14	+18	+ 9	+ 9	+ 4	+ 2	- 1	- 3	- 5	- 3	- 1	0	+ 4	+ 7	+10	+14	+17	+10	-11	-20	-26	-31	171			
20		-16	- 4	+ 9	+10	+10	+10	+ 9	+ 4	+ 7	- 4	- 4	- 5	-10	-10	- 5	- 1	+ 5	+ 2	+15(+10)		- 5	- 8	-11	- 9	170			
21		+ 5	+17	+24	+21	+12	+12	+ 5	+ 4	- 3	- 4	- 5	- 6	- 6	- 6	- 4	- 3	- 1	- 2	+ 9	+ 3	-15	-21	-21	-22	171			
22		-12	+ 4	+ 7	+15	+15	+15	+10	+ 3	0	+ 1	- 4	- 5	- 5	- 5	- 5	- 4	- 4	0	+15	+20	- 2	-15	-25	-25	170			
23		-17	- 8	+ 9	+ 5	+ 5	+13	+11	+ 6	+ 4	+ 1	- 5	- 6	- 6	- 5	- 7	- 3	- 4	+ 4	+14	+19	+ 7	- 6	-15	-18	171			
24		-18	- 8	+11	+17	+17	+14	+15	+ 8	+ 7	+ 2	- 1	- 4	- 8	-15	-14	- 9	- 6	0	+12	+12	+ 4	- 6	-17	-19	168			
25		-17	- 5	+ 9	+13	+ 7	+12	+12	+ 5	+ 3	- 3	-10	-12	-13	- 9	- 3	- 1	+ 3	+ 1	+11	+14	+ 6	- 8	-16	-11	171			
26		- 8	0	+ 9	+18	+14	+14	+14	+ 5	+ 1	- 4	-10	-12	- 9	-10	- 5	- 1	+ 4	+ 6	+14	+14	+ 4	-11	-15	-21	171			
27		-10	+ 2	+11	+12	+ 7	+10	+ 5	+ 3	+ 3	- 1	- 4	- 5	- 7	-12	- 6	+ 1	+ 2	+ 2	+ 9	+ 7	+ 3	-12	-19	-10	172			
28		+ 6	+10	+10	+10	+ 6	+ 7	+ 6	0	+ 3	+ 3	- 2	- 7	- 3	- 3	- 2	+ 3	+ 3	0	+ 3	+ 3	- 7	-17	-22	-17	172			
29		- 6	+ 4	+14	+21	+14	+ 9	+ 8	+ 4	- 1	- 2	- 5	- 1	- 3	- 4	- 4	+ 2	+ 2	+ 1	+ 5	- 5	-13	-19	-16	-10	167			
30		- 6	+ 4	+15	+20	+14	+14	+12	+ 8	+ 1	- 4	- 6	- 6	- 7	- 8	- 7	- 2	0	- 1	+ 6	+ 2	- 1	- 6	-16	-20	167			
31																													
MEAN.		-11	+ 1	+12	+16	+12	+10	+ 7	+ 3	+ 1	- 2	- 4	- 5	- 5	- 4	- 1	+ 2	+ 4	+ 5	+11	+ 6	- 5	-14	-20	-19	169			

[S.I.R.—388.
(1946 Print).

DECLINATION

(D = 11° + Mean + ...East)

Unit = 0.1 minute of arc

G.M.T.

July 1947.

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		-13	- 3	+ 6	+16	+15	+ 6	0	- 1	- 4	- 4	- 4	- 4	- 5	- 5	- 2	- 1	+ 3	+ 4	+12	+16	+ 6	- 5	-14	-16	163			
2		-14	- 3	+ 7	+13	+ 7	+ 4	+ 2	+ 5	+ 1	+ 9	- 5	- 4	- 7	- 6	+ 3	+ 5	+ 9	+ 7	+15	+16	+ 1	-13	-29	-35	165			
3		-20	-11	+ 5	+15	+13	+ 5	+ 4	+ 2	0	+ 3	- 5	- 4	- 5	- 5	- 3	- 1	+ 3	+ 4	+12	+10	+ 2	- 7	-11	-13	167			
4		- 8	- 4	+10	+20	+16	+10	+ 6	+ 2	- 1	- 1	- 4	- 4	- 4	- 4	- 4	0	+ 3	+ 3	+10	+ 5	- 5	-10	-15	-22	166			
5		-19	-10	+ 1	+ 6	+11	+ 9	+ 6	+ 4	+ 4	+ 1	+ 1	+ 2	+ 1	+ 1	+ 2	+ 4	+ 7	+ 8	+14	+11	- 3	-14	-22	-25	165			
6		-27	-13	+ 5	+11	+ 7	+ 6	+ 5	+ 4	+ 1	0	- 4	- 4	- 4	- 4	+ 2	+ 4	+ 8	+10	+16	+15	+ 7	- 3	-10	-22	166			
7		-23	-12	- 2	+10	+ 9	+ 5	+ 7	+ 4	+ 5	+ 4	+ 4	+ 4	+ 3	+ 3	+ 8	+ 8	+ 8	+ 7	+13	+ 7	- 7	-19	-22	-21	163			
8		- 7	+14	+23	+18	+13	+ 8	+ 3	+ 2	- 6	- 7	- 6	- 2	- 2	0	+ 4	+ 4	+ 6	+ 4	- 2	- 1	- 3	-14	-22	-20	168			
9		-13	+ 1	+10	+10	+ 6	+ 4	+ 1	0	- 1	0	- 2	- 2	- 6	- 2	0	+ 1	+ 2	+ 1	+11	+10	0	-11	-12	-14	168			
10		-14	- 7	+ 6	+13	+10	+ 7	+ 4	0	0	- 2	- 2	- 4	+ 1	+ 4	+ 4	+ 4	+ 6	+ 7	+14	+ 5	- 5	-12	-20	-16	166			
11		-10	+ 6	+13	+12	+ 7	+ 5	+ 1	- 1	- 1	- 1	- 1	- 2	- 3	- 1	+ 4	+ 7	+ 9	+ 7	+ 9	+ 9	- 6	-18	-26	-31	167			
12		-21	- 7	+ 8	+12	+ 6	+ 2	+ 2	- 2	- 4	- 2	- 4	- 4	- 3	- 1	0	+ 4	+ 4	+ 1	+ 9	+ 4	- 2	- 5	- 6	+ 2	170			
13		+ 8	+13	+21	+20	+ 9	+ 6	+ 4	- 1	- 1	- 3	- 2	- 2	- 2	- 3	- 1	+ 1	+ 4	+ 3	+ 6	- 3	- 7	-17	-23	-22	172			
14		-17	-10	+ 2	+13	+16	+10	+ 6	+ 1	0	- 1	0	0	0	0	+ 1	+ 2	+ 3	+ 3	+11	+ 7	- 1	-11	-18	-20	169			
15		-15	+ 4	+23	+20	+20	+10	+ 6	+ 1	0	0	- 1	- 2	0	+ 2	+ 3	+ 6	+ 7	+ 7	+15	+ 4	-13	-25	-35	-28	166			
16		-18	+ 2	+22	+32	+23	+13	+ 3	+ 1	0	- 2	- 2	- 1	- 1	- 2	0	+ 3	+ 3	+ 3	+ 7	- 5	-12	-22	-27	-18	168			
17		-10	- 1	+18	+20	+10	+ 5	+ 1	- 1	- 1	- 2	- 2	- 3	- 5	- 3	0	0	+ 1	+15	+30	+15	-10	-15	-24	-32	171			
18		-24	- 7	+13	+18	+16	+10	+ 7	+ 7	+ 3	- 4	- 7	- 7	- 7	- 5	- 4	- 2	+ 8	+ 9	+23	+19	- 2	-13	-22	-21	163			
19		- 8	+ 5	+13	+12	+ 7	+12	+ 9	+ 7	+ 7	+ 2	0	- 3	- 7	- 5	- 2	+ 1	+ 1	+ 2	+11	+ 4	- 8	-13	-18	-20	164			
20		- 4	+ 8	+18	+26	+19	+12	+14	+11	+ 7	- 1	- 4	-10	-10	-13	-10	-10	- 1	+ 4	+14	+ 9	- 2	-13	-26	-31	162			
21		-26	- 7	+ 8	+15	+11	+10	+ 7	+ 4	+ 3	- 2	- 6	- 7	- 7	- 6	- 2	+ 3	+ 4	+ 2	+13	+10	+ 2	-10	-14	-17	168			
22		- 9	+ 7	+17	+11	+ 5	+ 1	+ 1	+ 1	+ 1	0	- 4	-10	- 9	- 8	- 2	+ 1	- 3	- 1	+ 9	+16	+ 8	+ 1	- 9	-13	170			
23		- 9	+ 6	+ 6	+13	+16	+16	+12	+ 9	+ 5	+ 2	- 6	- 7	- 7	- 6	+ 1	+ 1	+ 8	+ 6	+13	+ 6	- 6	-25	-36	-26	165			
24		-13	+ 6	+19	+22	+11	+ 8	+ 9	+ 8	+ 5	+ 2	- 1	- 2	- 4	- 2	- 4	- 1	+ 3	+ 8	+16	+ 8	-11	-31	-33	-22	163			
25		- 7	+13	+23	+21	+14	+13	+ 8	+ 4	+ 2	0	- 7	- 7	- 8	- 9	- 7	- 2	+ 3	+ 1	+13	+ 8	- 2	-17	-28	-28	168			
26		-27	+ 1	+21	+29	+25	+21	+15	+ 9	+ 4	- 1	- 4	- 7	-12	- 8	- 8	- 1	+ 2	+ 5	+13	+ 4	- 5	-17	-26	-31	167			
27		-24	- 7	+13	+20	+13	+13	+14	+ 6	+ 2	- 3	- 7	-17	-17	- 9	- 8	- 2	+ 2	+ 4	+11	+ 8	- 2	-12	-12	+ 2	168			
28		+13	+29	+26	+18	+10	+ 9	+ 5	0	0	- 4	- 4	- 6	- 9	- 7	- 5	- 1	0	0	0	- 5	-16	-22	-10	-15	171			
29		- 4	+ 7	+15	+14	+11	+ 8	+ 6	+ 6	+ 3	- 2	- 7	- 9	- 7	- 7	- 2	+ 1	+ 3	+ 8	+ 8	+ 2	-17	-17	-16	- 2	168			
30		+10	+16	+22	+17	+10	+11	+ 6	+ 5	+ 1	0	- 1	- 3	- 4	- 4	- 3	- 3	- 1	+ 1	+ 4	- 5	-16	-19	-24	-25	175			
31		-20	- 1	+18	+26	+15	+ 6	+ 2	+ 4	0	0	+ 1	- 1	- 2	+ 5	+ 6	+ 7	+10	+12	+19	0	-16	-30	-30	-25	171			
MEAN.		-13	+ 1	+13	+17	+12	+ 9	+ 6	+ 3	+ 1	- 1	- 3	- 4	- 5	- 4	- 1	+ 1	+ 4	+ 5	+12	+ 7	- 5	-15	-21	-20	167			

[200/9/46—10537

[S.I.R.—388.
(1946 Print).

DECLINATION

(D = 11° + Mean + ...East)
Unit = 0.1 minute of arc

G.M.T.

August 1947.

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		-10	+ 7	+15	+10	+13	+10	+ 2	0	- 3	- 3	0	- 3	+ 2	+ 6	+10	+13	+12	+10	+10	- 8	-23	-31	-28	-23	169			
2		-10	+ 8	+16	+10	0	0	+ 3	- 1	- 4	- 1	+ 3	+ 3	+ 6	+10	+11	+13	+10	+11	+ 8	-10	-22	-28	-22	-10	168			
3		- 4	+ 9	+20	+23	+ 5	+ 6	+ 4	+ 1	- 4	- 1	- 1	- 3	- 3	+ 1	+ 4	+ 7	+ 7	+ 7	+ 2	-15	-26	-25	-23	-10	177			
4		+ 3	+23	+28	+22	+11	+ 7	+ 3	+ 3	+ 1	- 1	- 5	- 9	- 6	- 2	0	+ 3	+ 3	+ 2	- 5	- 5	-15	-27	(-26	-15	178			
5																													
6		-14	+ 2	+15	+15	+15	+12	+ 6	+ 5	+ 3	+ 3	- 2	- 5	- 2	+ 3	+ 5	+ 6	+10	+11	+15	- 5	-23	-33	-28	-20	176			
7		-10	+ 6	+16	+16	+15	+11	+ 8	+ 5	+ 4	+ 4	+ 3	+ 2	+ 4	+ 4	+ 5	+ 6	+ 6	+ 6	+ 6	- 6	-21	-26	-33	-22	175			
8		-15	+ 1	+ 6	+ 9	+ 8	+ 5	+ 6	+ 3	0	+ 1	+ 1	+ 1	0	+ 3	+ 4	+ 5	+ 8	+ 8	+11	+ 1	-11	-19	-23	-10	173			
9		+ 6	+23	+26	+22	+ 6	+ 4	+ 3	- 1	+ 1	+ 1	0	+ 1	+ 2	+ 3	+ 4	+ 4	+ 6	+ 5	+ 4	- 6	-16	-27	-35	-31	177			
10		-15	+ 8	+20	+25	+15	+ 8	+ 5	+ 4	+ 1	+ 3	+ 1	+ 2	+ 2	+ 4	+ 5	+ 7	+ 6	+ 5	+ 4	-14	-29	-34	-28	-17	176			
11		- 4	+12	+15	+16	+14	+14	+ 5	+ 4	+ 3	+ 3	+ 3	+ 5	+ 3	0	+ 3	+ 2	+ 8	+11	+12	- 3	-18	-35	-43	-25	176			
12		+10	+27	+27	+20	+ 9	+ 9	+ 6	- 3	- 2	- 3	0	+ 3	+ 4	- 1	+13	+14	+10	+ 6	+ 2	-12	-27	-41	-43	-33	169			
13		-19	+ 4	+14	+14	+16	+12	+ 9	+ 5	+ 2	+ 1	- 1	- 2	- 6	- 3	- 3	- 3	+ 4	+ 5	+ 2	- 7	-14	-12	-16	-14	177			
14		0	+14	+12	+12	+18	+16	+13	+11	+ 5	+ 5	+ 3	+ 2	+ 2	- 3	- 2	- 2	- 1	+ 4	+13	0	-17	-34	-34	-27	173			
15		-19	+ 3	+15	+14	+ 6	+ 4	- 2	- 3	- 4	- 6	-14	-14	-11	- 2	+ 7	+17	+20	+21	+27	+13	- 6	-12	-24	-25	183			
16		- 7	- 3	+12	+16	+15	+ 6	- 4	- 2	+ 2	+ 2	- 4	- 3	-10	-24	-14	- 4	+ 1	+ 7	+ 8	- 5	- 5	- 4	+ 6	(+11	165			
17		+11	+23	+27)	+24	+27	+24	+13	+17	+ 4	- 3	- 5	-12	-17	-23	-17	- 9	- 3	+ 7	+13	- 3	-20	-26	-23	-23	174			
18																													
19		+21	+25	+35	+26	+15	+ 9	+10	+10	+ 2	- 5	-11	-13	-12	-15	- 7	-16	- 5	0	+ 5	+ 2	-10	-26	-27	-25	176			
20		- 3	+10	+16	+22	+19	+ 9	+ 1	+ 7	+ 2	- 1	- 1	- 5	-11	- 5	-12	- 5	- 4	+ 7	+13	+ 3	- 8	-20	-21	- 5	172			
21		- 4	+16	+26	+27	+25	+16	+ 6	+ 6	+ 3	+ 1	- 4	- 9	- 9	- 9	- 5	- 5	- 6	- 1	+ 6	- 2	-16	-21	-18	-14	175			
22		0	+10	+19	+18	+15	+15	+16	+ 8	+ 2	-20	-18	-13	-20	-21	-15	-12	- 9	- 5	+ 5	+ 3	+ 9	+ 6	0	- 2	171			
23		+ 4	+ 8	+21	+18	+11	+ 1	+ 5	- 2	- 3	- 3	- 5	- 9	- 7	- 4	- 4	+ 3	+ 4	+ 7	+12	- 5	-12	-15	-16	-11	176			
24		0	+ 8	+20	+24	+20	+17	+14	+ 8	+ 8	+ 4	- 1	- 4	- 4	- 3	- 5	- 2	- 1	- 2	+ 5	- 7	-22	-27	-32	-27	173			
25		-16	- 2	+ 8	+14	+13	+13	+ 6	+ 6	+ 1	- 3	-13	- 5	- 2	- 2	+ 6	+ 4	+ 5	+ 7	+ 3	+ 1	- 8	-15	-14	- 4	175			
26		+ 2	+12	+22	+20	+12	+11	+ 9	+ 7	+ 1	- 6	- 6	- 5	-10	- 8	- 2	+ 1	+ 2	+ 1	- 3	-13	-18	-19	-11	- 2	179			
27		+ 3	+14	+29	+24	+15	+ 9	+ 5	- 1	- 8	-11	- 7	- 6	0	+ 3	+ 5	+10	+ 8	+ 9	+ 3	-12	-21	-29	-29	-22	178			
28		-10	+ 2	+14	+18	+16	+11	+ 7	+ 3	+ 3	- 1	- 3	- 4	- 2	0	+ 1	+ 2	+ 8	+ 9	+ 3	- 7	-11	-19	-19	-22	180			
29		-21	- 9	+ 3	+13	+14	+ 6	+ 4	+ 4	+ 2	- 6	- 5	- 5	+ 1	+ 3	+ 4	+ 6	+14	+14	+14	+ 1	- 9	-21	-21	-13	177			
30		+ 1	+12	+21	+22	+16	+ 8	+ 2	- 2	- 2	- 1	- 2	0	+ 1	+ 1	+ 2	+ 6	+ 8	+11	+ 9	- 9	-19	-29	-35	-29	180			
31		- 3	+17	+22	+25	+17	+ 9	+ 8	+ 7	0	- 4	- 3	- 3	- 1	0	+ 1	+ 5	+ 6	+ 9	+12	-10	-25	-31	-29	-18	181			
MEAN.		- 4	+10	+19	+19	+14	+10	+ 6	+ 4	+ 1	- 2	- 3	- 4	- 4	- 3	0	+ 3	+ 5	+ 7	+ 8	- 5	-16	-23	-24	-17	175			

[S.I.R.—388.
(1946 Print).

DECLINATION

(D = 11° + Mean + ...East)

G.M.T. Unit = 0.1 minute of arc September 1947.

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		- 5	+10	+22	+19	+ 5	0	0	0	0	- 5	- 4	- 3	- 1	- 1	+ 1	+ 2	+ 5	+ 5	0	-11	-15	-18	-11	- 5	181			
2		+ 1	+13	+26	+32	+21	+12	+ 7	+ 6	+ 2	+ 1	0	- 1	- 1	- 1	- 3	0	+ 1	+ 3	+ 3	-12	-19	-21	-30	-31	180			
3		-10	+ 9	+15	+13	+ 8	+11	+19	+10	+ 1	-16	-10	- 5	- 2	0	- 7	+ 1	+ 9	+11	+10	0	-10	-19	-25	-20	171			
4		-24	-16	+ 1	+16	+25	+11	+ 5	+ 5	+ 4	+ 1	- 2	+ 1	+ 1	+ 1	+ 6	+11	+12	+11	+ 9	- 5	-18	-23	-21	-14	175			
5		- 9	- 7	+ 3	+13	+19	+14	+12	+ 5	+ 3	+ 1	- 5	- 6	- 4	- 7	- 8	- 2	- 1	+ 3	+ 8	- 2	-11	-17	-11	+ 2	178			
6		+11	+ 9	+14	+14	+11	+ 9	+ 2	- 3	- 2	- 4	0	+ 1	+ 2	- 1	0	+ 1	+ 4	+ 8	+10	-15	-21	-27	-21	- 8	178			
7		+ 1	+15	+26	+25	+17	+ 9	+ 9	+ 1	0	0	- 2	- 7	- 2	- 6	-10	- 2	+ 1	+ 9	- 1	-11	-17	-23	-21	-10	180			
8		+ 7	+12	+16	+21	+12	+ 8	+ 4	+ 4	+ 2	+ 2	0	- 3	- 3	+ 1	+ 3	+ 3	+ 3	+ 4	- 3	(-13	-21	-27	-23	-11	179			
9																													
10		+16	+10	+ 9	+ 7	+ 5	+ 6	+ 4	+ 1	+ 2	+ 1	+ 1	+ 1	+ 1	+ 1	+ 3	+ 6	+ 4	+ 7	0	-21	-27	-23	-19	+ 1	180			
11		+16	+19	+19	+20	+15	+11	+10	+ 6	+ 2	+ 1	0	- 2	- 8	- 8	- 4	+ 1	- 2	+ 3	+ 2	-20	-26	-29	-22	- 8	181			
12		+ 5	+15	+22	+14	+13	+10	+10	+ 4	+ 1	- 1	+ 1	+ 1	+ 2	+ 3	+ 4	+ 4	+ 3	+ 5	- 1	-19	-25	-28	-26	-12	179			
13		+ 1	+16	+29	+36	+39	+26	+12	+ 3	+ 1	- 9	- 9	-19	-19	-13	- 4	+ 2	0	- 8	-19	-20	-19	-19	-10	+ 1	180			
14		+21	+26	+28	+29	+31	+18	+13	+ 5	- 8	-19	-27	-24	-11	-10	- 1	+12	+ 9	+11	+ 3	-14	-27	-33	-27	-10	178			
15		+ 7	+24	+32	+30	+20	+15	+15	- 5	- 6	- 8	- 8	- 7	- 6	+ 2	+ 4	+ 3	+ 9	+ 2	+ 2	-20	-29	-29	-26	-16	177			
16		+ 1	+ 8	+ 5	+10	+10	+ 5	+ 5	- 8	+ 2	+ 2	+ 2	+ 1	+ 1	+ 2	+ 4	+ 5	+ 6	+ 3	+ 4	- 9	-10	-15	-16	- 7	178			
17		+16	+16	+19	+ 9	+11	+10	+ 9	+ 9	0	0	0	-10	-11	- 5	- 2	0	- 3	+ 5	- 3	-11	-12	-20	-19	- 2	172			
18		+ 5	+ 5	+17	+18	+16	+14	+14	+ 7	- 1	- 3	- 4	- 6	- 5	- 2	- 2	+ 3	+ 4	- 3	-11	-15	-19	-16	-12	-12	174			
19		- 4	+ 9	+17	+17	+13	+11	+ 7	+ 6	+ 3	- 4	- 5	-13	- 6	- 5	+ 4	- 2	+ 4	+ 6	(- 3	-14)	-23	-27	- 4	+15	175			
20		+24	+30	+22	+12	+11	+ 8	+ 8	+ 1	- 1	- 7	- 9	- 8	- 8	- 5	- 6	+ 1	+ 1	+ 2	- 7	-18	-20	-20	- 9	+ 2	179			
21		+ 1	+14	+19	+27	+19	+10	+ 7	- 1	- 3	-10	-10	-10	-11	-10	- 4	- 2	0	+ 5	+ 4	-11	-15	-11	- 3	+ 1	182			
22		+17	+19	+17	+17	+17	+19	+15	+ 6	- 2	-12	-12	- 5	- 2	- 3	+ 2	- 1	+ 3	+ 5	-10	-23	-25	-27	-17	- 4	174			
23		- 4	+ 8	+21	+29	+23	+11	+ 7	+ 2	- 9	- 9	- 9	- 8	- 2	0	+ 1	+ 2	+ 2	- 1	-10	-17	-21	-19	-10	+ 1	180			
24		+ 5	+13	+27	+25	+16	+15	+ 7	+ 5	+ 3	- 3	- 6	- 5	-15	-14	-11	-14	-16	-12	- 7	- 7	- 5	- 4	0	+ 6	176			
25		+24	+26	+32	+24	+10	- 4	-16	-24	-10	+ 2	+ 5	+ 2	- 4	+ 5	+14	+20	+20	+13	-10	-28	-34	-33	-24	- 6	166			
26		- 1	+15	+18	+16	+14	+14	+13	+ 8	+ 8	+ 8	+ 6	+ 6	+ 6	+ 6	+ 8	+12	+ 8	+ 3	-12	-26	-36	-38	-31	-15	174			
27		+ 2	+14	+14	+ 8	+ 3	+ 4	+ 4	+ 4	+ 5	+ 4	+ 5	+ 5	+ 6	+ 7	+ 6	+ 7	+ 2	- 7	-22	-27	-25	-19	- 9	+ 3	176			
28		+19	+19	+25	+17	+15	+ 8	+ 6	+ 6	+ 4	0	- 3	- 2	- 2	- 2	- 1	- 2	- 2	- 2	-14	-22	-22	-21	-22	- 7	184			
29		+17	+22	+19	+12	+ 3	+ 8	+ 8	+ 3	0	- 1	- 1	- 3	0	+ 1	+ 2	+ 3	+ 6	+ 7	- 1	-19	-28	-34	-27	- 8	180			
30		+11	+12	+10	+11	+ 5	+11	+10	+ 8	+ 4	+ 2	+ 2	0	- 6	- 2	+ 1	+ 2	- 1	+ 2	- 5	-17	-17	-20	-15	+ 3	178			
31																													
MEAN.		+ 6	+13	+19	+19	+15	+10	+ 8	+ 3	0	- 3	- 4	- 4	- 4	- 2	0	+ 3	+ 3	+ 3	- 3	-15	-21	-23	-18	- 6	177			

[S.I.R.—388.
(1946 Print).

DECLINATION

(D = 11° + Mean + ...East)

Unit = 0.1 minute of arc

G.M.T.

October 1947.

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		+16	+28	+32	+27	+15	+ 9	+10	+ 2	+ 2	+ 1	0	- 5	- 5	- 3	- 2	0	0	0	-20	-26	-32	-26	-21	- 5	181			
2		+16	+20	+18	+10	+ 3	+ 2	+ 2	+ 1	- 2	- 6	0	- 1	- 1	+ 1	+ 5	+ 7	+14	+15	+ 1	-15	-27	-32	-28	-11	168			
3		+ 5	+17	+28	+30	+24	+11	+14	+14	+ 4	+ 4	- 5	+ 2	+ 8	+10	+13	+12	+13	0	-21	-38	-40	-46	-40	-16	168			
4		+ 2	+20	+29	+25	+20	+16	+14	+ 6	+ 2	+ 3	+ 2	+ 2	+ 4	+ 7	+ 7	+10	+11	+ 4	-15	(-30	-38	-43)	-42	-26	176			
5		- 7	+17	+20	+18	+13	+10	+11	+ 7	+ 3	+ 1	+ 1	- 1	- 1	0	+ 1	+ 2	+ 5	+ 7	0	-12	-23	-28	-30	-11	181			
6		+15	+33	+42	+37	+26	+15	+ 8	+ 6	(+ 2	- 2	- 2	- 2	- 4	- 4	- 3	- 1	+ 2	- 8	-13)	-23	-29	-36	-42	-28	184			
7		- 2	+12	+ 9	+ 4	+ 8	+13	+15	+11	+ 7	+ 1	(+ 1	+ 1	0	- 1	+ 1	+ 3	+ 6	0	- 5	-12)	-18	-25	-27	-12	178			
8		0	+11	+18	+21	+23	+13	+12	+10	+ 4	0	0	+ 1	- 2	- 3	- 6	- 3	- 1	- 4	- 8	-17	-19	-27	-24	- 9	179			
9		+ 8	+29	+33	+33	+24	+19	+14	+ 5	+ 1	- 4	-10	-11	-16	-20	-16	-10	- 9	-15	-20	-16	-13	-11	- 5	+ 4	182			
10		+24	+34	+30	+27	+27	+16	+10	+ 3	0	- 7	-10	- 9	-10	-18	- 8	-11	- 7	-12	-16	(-22)	-27	-17	- 8	+ 4	179			
11		+ 8	+18	+25	+25	+20	+13	+ 6	- 5	- 6	- 4	- 9	-10	- 6	- 5	- 3	- 1	- 1	+ 5	- 5	-21	-25	-20	- 7	+ 6	185			
12		+24	+28	+21	+12	+14	+18	+11	0	(- 3	- 4	- 7	- 8	- 7	- 7	- 6	- 5	- 7	- 6	-14)	-25	-25	-21	- 7	+13	178			
13		+30	+39	+31	+21	+17	+13	+11	+11	+ 6	+ 3	+ 2	0	- 1	- 2	- 2	- 3	- 8	-12	-19	-32	-40	-40	-29	- 7	180			
14		+20	+30	+23	+21	+21	+19	+17	+ 3	+ 3	0	- 8	- 4	- 6	- 8	- 7	+ 4	+ 3	- 7	-25	-32	-32	-25	- 9	+ 2	178			
15		+ 4	+11	+20	+23	+22	+22	+13	+11	+ 4	+ 2	- 2	- 7	-10	- 7	0	- 6	- 2	- 6	- 7	-27	-29	-20	- 6	+ 8	179			
16		+17	+19	+17	+17	+16	+17	+11	+ 6	+ 4	0	- 2	- 6	- 4	- 4	- 3	- 2	- 1	- 6	(-13)	-31	-32	-22	- 2	+11	182			
17		+22	+24	+22	+20	+13	+11	+10	+ 9	+ 4	+ 4	+ 1	- 2	- 3	0	+ 2	+ 4	+ 4	- 5	-19	-26	-31	-30	-20	- 6	178			
18		+13	+27	+27	+17	+ 9	+ 9	+13	+ 9	+ 3	- 2	0	0	0	+ 1	+ 2	+ 1	+ 3	- 2	-16	-30	-36	-29	-16	+ 4	179			
19		+22	+33	+32	+23	+15	+14	+15	+12	+ 9	+ 3	- 7	- 3	- 4	+ 1	+ 1	+ 2	+ 5	- 5	-19	-32	-37	-38	-26	-10	178			
20		+ 7	+23	+33	+27	+21	+13	+13	+ 3	+ 2	0	0	+ 1	+ 2	+ 1	0	+ 1	+ 1	-10	-29	-37	-37	-29	-10	+ 6	179			
21		+12	+17	+12	+12	+ 7	+ 7	+ 7	+ 3	+ 5	+ 3	+ 3	+ 2	0	+ 1	+ 2	+ 2	0	- 8	-20	-26	-24	-19	- 3	+13	179			
22		+25	+29	+24	+17	+12	+ 9	+11	+ 4	0	- 3	- 6	- 5	- 3	- 3	+ 4	+ 4	- 2	-17	-27	-34	-27	-22	- 6	+12	183			
23		+21	+25	+28	+21	+20	+15	+10	+ 6	+ 4	- 3	- 2	+ 3	+ 2	- 6	- 8	- 6	- 3	(-18	-32)	-39	-35	-24	- 5	+15	182			
24		+24	+26	+20	+21	+10	+ 1	+ 6	+10	+ 6	+ 4	- 3	- 5	- 5	- 3	- 4	+ 1	0	-13	-24	-30	-28	-20	- 5	+10	186			
25		+21	+26	+21	+11	+ 3	+ 5	+ 8	+ 5	+ 3	+ 2	0	+ 2	+ 1	- 2	+ 3	+ 2	- 3	-14	-27	(-36	-28	-17	- 3	+11)	185			
26																													
27		+23	+25	+22	+13	+ 9	+ 7	+ 9	+ 6	+ 3	+ 2	+ 2	+ 2	- 1	- 5	- 3	- 5	- 6	-18	-28	-38	-30	-12	+ 5	+13	188			
28		+12	+11	+15	+ 9	+ 5	+ 7	+ 9	+ 9	+ 7	+ 7	+ 6	+ 4	+ 4	+ 3	+ 2	+ 2	- 2	-15	-28	-43	-34	-14	+ 7	+26	184			
29		+35	+30	+22	+12	+ 3	+ 5	+12	+ 7	+ 6	+ 4	+ 4	+ 3	0	+ 1	- 2	- 3	-10	-25	-39	-43	-30	-13	+ 6	+22	186			
30		+30	+30	+22	+12	+ 3	+ 6	+12	+11	+ 5	+ 3	+ 1	- 1	- 4	- 5	- 3	0	- 5	-17	-34	-47	-41	-21	+ 9	+34	187			
31		+48	+39	+33	+26	+17	+16	+15	+12	+13	+ 3	+ 3	+ 3	+ 3	+ 1	0	- 2	- 2	-17	-43	-56	-59	-42	-19	+ 5	178			
MEAN.		+17	+24	+24	+20	+15	+12	+11	+ 7	+ 3	+ 1	- 2	- 2	- 2	- 3	- 1	0	0	- 8	-20	-30	-31	-26	-14	- 3	180			

[S.I.R.—388.
(1946 Print).

DECLINATION

(D = 11° + Mean + ...East)
Unit = 0.1 minute of arc

G.M.T.

November 1947.

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	+14	+14	+11	+ 7	+ 9	+ 9	+ 7	+ 1	0	- 2	- 2	- 2	- 2	- 3	- 3	- 6	-12	-12	-31	-26	-10	+ 4	+10	187			
2		+21	+29	+21	+ 6	0	+ 1	+ 2	+ 2	+ 3	+ 1	0	0	+ 1	+ 1	0	+ 2	+ 2	- 8	-19	-30	-26	-10	+ 1	+11	185			
3		+20	+22	+22	+19	+ 7	+ 4	+ 3	+ 3	+ 1	+ 1	0	- 1	- 1	- 1	- 1	0	0	- 8	-20	-33	-33	-22	- 2	+10	186			
4		+18	+18	+19	+12	+ 9	+ 6	+ 9	+ 6	+ 5	+ 3	+ 3	- 1	- 1	- 1	- 1	0	0	- 5	-16	-31	-30	-20	-10	+ 8	182			
5		+16	+22	+18	+11	+ 5	+ 5	+ 6	+ 4	+ 3	+ 2	0	0	0	- 4	- 4	- 4	- 5	-14	-23	-25	-21	- 8	+ 4	+13	185			
6		+20	+20	+20	+19	+11	+ 9	+10	+10	+ 9	+ 9	+ 5	+ 1	+ 1	+ 1	+ 1	+ 1	- 1	-19	-30	-39	-32	-21	- 8	+ 1	181			
7		+10	+ 9	+ 9	0	0	+ 5	+10	+10	+ 6	+ 9	+ 1	0	- 5	- 1	- 4	- 4	- 4	-10	-21	-29	-21	-10	+11	+32	181			
8		+40	+37	+25	+11	+ 5	+10	+ 9	+ 3	0	- 7	-10	-10	- 7	- 5	- 6	- 5	-11	-25	-31	-37	-28	-12	+21	+30	181			
9		+30	+28	+20	+15	+ 9	+11	+11	+ 9	+ 6	- 1	- 4	- 8	-21	-34	-23	-21	-13	-19	-13	-24	-14	-11	+22	+38	184			
10		+39	+29	+19	+ 9	+ 1	+ 5	+ 9	+ 1	0	- 1	- 6	- 8	- 2	- 2	- 3	- 1	- 5	-16	-21	-30	-31	-19	+ 9	+33	181			
11		+36	+29	+20	+14	+ 5	+ 5	+ 6	+ 5	- 3	- 6	- 5	- 7	-14	- 8	- 4	- 9	- 4	- 4	-19	-34	-25	- 5	+ 7	+19	185			
12		+29	+37	+36	+27	+16	+ 8	+11	+11	+ 6	- 2	- 4	- 4	- 4	- 4	- 4	- 3	- 4	-22	-35	-47	-43	-23	- 3	+12	184			
13		+23	+26	+21	+12	+11	+11	+11	+10	+ 2	+ 1	- 4	- 8	- 4	- 2	0	+ 1	- 1	-10	-28	-39	-39	-20	+ 3	+23	180			
14		+31	+32	+30	+19	+ 9	+11	+11	+10	+ 7	0	- 4	- 5	- 4	- 2	-12	0	- 1	-19	-39	-52	-43	-23	+ 6	+28	181			
15		+33	+35	+23	+12	+ 4	+ 4	+11	+ 5	0	- 7	- 8	- 7	- 7	- 7	- 7	- 6	- 7	- 6	-27	-35	-27	-10	+11	+23	188			
16		+36	+36	+31	+20	+11	+11	+12	+11	+ 6	+ 1	0	- 8	- 8	- 7	- 2	- 4	- 8	-18	-30	-38	-34	-18	- 4	+ 9	180			
17		+20	+28	+26	+18	+11	+10	+11	+10	+ 5	+ 2	0	- 8	- 2	0	- 1	- 5	- 9	-19	-25	-38	-36	-20	0	+18	181			
18		+29	+33	+28	+17	+ 5	+ 7	+ 9	+ 7	0	0	0	- 1	- 1	0	+ 1	+ 1	- 5	-21	-38	-51	-43	-23	+ 7	+32	182			
19		+44	+46	+41	+31	+19	+ 8	+ 1	- 4	- 5	- 6	- 6	- 4	- 1	- 3	- 4	- 4	- 9	-24	-41	-49	-36	-17	- 1	+17	180			
20		+24	+30	+26	+20	+10	+ 9	+10	+ 9	+ 5	+ 1	0	+ 1	+ 1	+ 1	+ 2	+ 1	- 6	-17	-35	-51	-43	-23	+ 4	+24	182			
21		+28	+27	+24	+12	+ 2	+ 2	+ 2	+ 2	+ 2	- 5	- 7	- 6	- 8	- 8	- 8	- 6	- 8	-16	-24	-29	-21	- 6	+16	+34	184			
22		+36	+28	+18	+ 8	+ 1	+ 5	+11	+10	+10	+ 7	+ 3	+ 2	- 2	- 1	0	0	-10	-29	-40	-40	-35	-19	+ 5	+30	181			
23		+53	+53	+42	+32	+22	+15	+15	+14	+ 6	+ 9	+ 8	+ 6	- 1	+ 5	+ 5	+ 4	+ 2	-19	-47	-57	-66	-51	-36	- 6	177			
24		+12	+22	+23	+20	+13	+12	+13	+13	+11	+ 9	+ 4	+ 6	+ 7	+ 7	+ 7	+ 6	+ 2	-13	-50	-63	-48	-27	- 1	+22	179			
25		+37	+39	+37	+28	+18	+10	+11	+ 9	+ 8	+ 5	+ 2	+ 4	+ 5	+ 6	+ 6	+ 6	+ 3	-20	-50	-60	-55	-39	-14	+ 9	181			
26		+16	+23	+23	+18	+ 8	+ 4	+ 8	+ 8	+ 8	+ 4	+ 3	+ 3	+ 3	+ 5	+ 6	+ 5	- 2	-21	-30	-54	-43	-22	+ 8	+28	183			
27		+36	+32	+22	+23	+12	+12	+12	+12	+11	+ 7	+ 3	+ 3	+ 3	+ 3	+ 3	+ 2	- 7	-19	-37	-58	-50	-33	- 7	+21	179			
28		+29	+37	+37	+28	+18	+17	+15	+13	+ 8	+ 7	+ 3	+ 3	+ 2	+ 3	+ 5	+ 5	- 2	-22	-50	-71	-62	-31	-21	+29	183			
29		+34	+35	+26	+20	+ 6	+ 6	+15	+14	+ 5	0	- 4	- 4	0	+ 2	+ 6	+ 5	- 2	-25	-47	-58	-50	-28	+ 2	+30	186			
30		+48	+51	+42	+34	+18	+12	+10	+ 7	+24	+ 5	+ 4	+ 2	- 1	- 2	+ 2	+ 3	0	-15	-42	-63	-63	-52	-28	- 3	184			
31																													
MEAN.		+29	+30	+26	+18	+ 9	+ 8	+ 9	+ 8	+ 5	+ 2	- 1	- 2	- 2	- 2	- 1	- 1	- 4	-17	-31	-43	-37	-21	0	+20	182			

1200/8/46—10537

[S.I.R.—388.
(1946 Print).

G.M.T.

DECLINATION
(D = 11° + Mean + ...East)
Unit = 0.1 minute of arc

December 1947.

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	+31	+30	+28	+19	+10	+14	+ 9	+ 9	- 1	-11	- 9	- 4	- 2	- 1	- 1	- 3	-20	-41	-48	-39	-21	+ 1	+21	182			
2		+36	+33	+23	+12	0	0	+ 5	+ 6	+ 3	+ 3	- 1	- 4	- 4	- 2	0	+ 3	- 2	-15	-30	-37	-32	-13	+ 4	+ 8	183			
3		+19	+19	+18	+ 9	+ 4	- 1	+ 1	- 1	0	+ 1	0	0	- 1	0	+ 1	0	0	- 8	-20	-31	-31	-19	+ 4	+24	182			
4		+28	+29	+23	+11	+ 7	+ 8	+16	+17	+11	+ 8	- 1	- 2	- 2	- 2	- 2	- 1	- 2	- 2	-13	-37	-42	-34	-18	- 1	183			
5		+15	+27	+33	+31	+20	+18	+17	+13	+ 8	+ 7	- 2	- 2	- 2	- 2	- 1	- 2	- 4	-14	-25	-42	-42	-32	-17	+ 3	183			
6		+24	+27	+31	+30	+22	+14	+16	+12	+ 9	+ 4	- 1	- 6	- 8	-14	-14	-11	-14	-35	-34	-39	-33	-13	+12	+23	182			
7		+28	+33	+31	+26	+17	+10	+ 8	+ 8	+ 3	+ 1	- 2	- 2	- 2	- 4	- 7	- 3	- 7	-12	-23	-30	-29	-24	-14	- 2	183			
8		+13	+19	+22	+20	+17	+13	+12	+ 7	+ 7	+ 7	+ 6	+ 2	+ 1	+ 2	+ 2	+ 2	0	- 8	-20	-33	-33	-29	-18	- 3	179			
9		+14	+24	+29	+22	+19	+19	+22	+14	+ 9	+ 8	- 1	- 1	- 2	- 2	- 2	- 2	- 6	-30	-46	-46	-45	-23	- 1	+20	182			
10		+35	+38	+38	+29	+20	+15	+11	+10	+ 9	0	- 5	- 2	0	- 1	- 1	- 1	- 1	-12	-37	-55	-55	-35	- 5	+16	181			
11		+33	+35	+34	+33	+24	+18	+13	+ 8	+13	+12	+ 3	+ 2	- 6	- 2	+ 1	+ 3	- 2	-17	-37	-54	-50	-37	-14	-19	178			
12		+21	+27	+26	+ 6	+16	+16	+21	+16	+11	+ 6	+ 2	- 1	- 7	- 1	- 4	- 1	+ 1	- 8	-27	-44	-39	-30	-14	+ 1	180			
13		+16	+26	+36	+32	+22	+16	+17	+11	+11	+ 2	0	- 3	0	- 4	+ 1	0	- 4	-14	-34	-54	-54	-39	- 9	+20	180			
14		+34	+43	+39	+34	+23	+24	+13	+ 4	- 1	- 6	- 7	-11	-11	-13	-15	- 8	- 6	-15	-26	-36	-41	-27	- 7	+12	187			
15		+28	+29	+29	+30	+24	+18	+18	+10	+ 9	+ 6	0	- 1	- 1	- 1	- 1	0	0	- 6	-23	-46	-51	-41	-21	- 1	182			
16		+19	+29	+29	+28	+19	+10	+10	+10	+ 9	+ 5	- 1	- 1	- 1	- 1	0	0	0	-10	-21	-31	-42	-41	-26	- 2	182			
17		+12	+24	+33	+34	+24	+14	+ 5	+ 5	+ 5	+ 3	- 5	- 5	- 5	- 5	- 6	- 6	-11	-25	-35	-31	-25	- 7	+13		187			
18		+28	+27	+18	+17	+ 8	+ 6	+ 7	+ 7	- 2	- 2	- 2	- 2	- 2	- 3	- 2	- 3	-12	-23	-37	-40	-22	+ 3	+28		183			
19		+35	+26	+20	+10	+ 5	+ 6	+14	+ 6	+ 5	- 4	- 5	- 5	- 5	- 6	- 6	- 6	- 6	-15	-25	-30	-25	-13	+ 5	+16	186			
20		+29	+35	+34	+24	+14	+12	+13	+ 5	+ 4	+ 3	- 5	- 6	- 6	- 6	- 6	- 6	- 7	- 7	-16	-25	-30	-30	-18	+ 2		187			
21		+22	+32	+37	+32	+14	+12	+12	+10	+ 3	+ 2	+ 1	- 3	- 6	- 6	- 3	0	- 3	- 8	-18	-33	-33	-28	-20	-13	189			
22		- 2	+ 3	+ 8	+ 8	+ 3	+ 7	+ 8	+ 8	+ 8	+ 7	+ 3	- 1	- 1	- 2	- 3	- 2	+ 3	-17	-27	-22	-13	- 4	+ 7	+19	183			
23		+20	+15	+16	+17	+16	+ 5	+15	+15	+10	+ 5	+ 5	+ 4	+ 5	+ 6	+ 7	+ 5	+ 5	-14	-34	-40	-35	-26	-15	- 4	186			
24		+ 3	+ 3	+ 8	+ 9	+ 7	+ 3	+ 8	+ 8	+ 8	+ 8	+ 8	+ 7	+ 7	+ 7	+ 6	+ 7	+ 2	-11	-22	-32	-28	-17	+ 1	+10	183			
25		+ 7	+11	+18	+21	+16	+11	+ 7	+ 7	+ 6	+ 6	+ 5	+ 5	+ 5	+ 6	+ 5	+ 7	- 4	-19	-34	-39	-39	-24	- 4	+16	185			
26		+19	+25	+29	+29	+19	+13	+13	+14	+ 4	- 1	- 1	- 5	- 6	- 1	+ 2	- 5	- 6	-21	-36	-41	-38	-27	- 6	+23	187			
27		+43	+46	+38	+25	+13	+ 8	+ 9	+ 9	+ 8	+ 3	+ 5	- 1	- 1	+ 1	+ 5	+ 6	- 2	-22	-42	-53	-54	-44	-13	+17	183			
28		+30	+33	+30	+27	+18	+13	+13	+ 9	+ 8	+ 8	+ 8	+ 6	+ 8	+ 8	+ 8	+ 8	- 1	-22	-41	-52	-56	-45	-20	+ 9	183			
29		+22	+31	+32	+24	+19	+21	+ 7	+ 3	+ 2	+ 2	+ 2	0	+ 1	+ 2	+ 2	+ 7	+ 2	-16	-38	-55	-51	-31	0	+20	189			
30		+38	+43	+41	+32	+20	+12	+ 8	+ 6	+ 3	+ 1	- 2	- 2	- 2	- 4	- 4	- 2	- 3	-13	-27	-37	-44	-42	-23	+ 3	188			
31		+18	+27	+37	+33	+19	+10	+13	+13	+10	+ 8	+ 7	+ 3	+ 3	+ 3	+ 6	+ 6	+ 6	- 4	-24	-43	-54	-52	-37	-11	183			
MEAN.		+23	+27	+28	+24	+16	+12	+12	+ 9	+ 7	+ 4	0	- 1	- 2	- 2	- 1	0	- 2	-14	-29	-40	-40	-29	- 9	+ 9	184			

[S.I.R.—388.
(1946 Print).

VERTICAL INTENSITY

G.M.T. (Z = 20000γ + Mean + ...) January 1947.

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	+ 4	+ 1	- 4	- 7	- 9	-10	- 7	- 5	- 4	- 2	0	0	+ 1	+ 2	+ 1	+ 1	+ 2	+ 2	0	0	0	+ 1	+ 8	+13	631			
2	+11	+ 9	+ 8	+ 2	- 2	- 4	- 4	- 2	- 1	- 1	0	+ 2	+ 2	+ 3	+ 2	+ 1	- 2	- 1	+ 2	0	- 5	- 8	- 8	- 9	633			
3	- 3	- 5	- 6	- 8	-10	-10	- 7	- 4	- 1	+ 2	+ 4	+ 6	+ 6	+ 6	+ 6	+ 6	+ 7	+ 6	+ 4	+ 1	+ 1	- 1	+ 2	+ 2	627			
4	- 3	- 6	- 8	- 5	- 7	- 5	- 4	- 3	- 2	+ 1	+ 3	+ 8	+ 5	+ 5	+10	+10	+ 5	+ 2	- 2	- 2	- 2	+ 1	+ 3	+ 5	630			
5	0	- 2	- 8	-10	- 7	- 7	- 5	- 3	0	+ 2	+ 3	+ 3	+ 7	+ 9	+ 9	+ 8	+ 7	+ 5	0	- 2	- 2	- 2	- 3	- 4	633			
6	- 6	- 4	- 2	- 5	- 3	- 1	- 1	0	0	- 1	+ 1	+ 4	+ 6	+ 8	+ 9	+10	+10	+ 6	- 1	- 7	- 6	- 6	- 3	+ 1	634			
7	+ 2	+ 6	+ 5	+ 1	- 1	- 3	- 3	- 3	- 4	- 3	- 2	0	- 1	0	+ 2	+ 3	+ 3	+ 1	- 1	- 2	- 5	- 6	- 2	+ 3	638			
8	+ 6	+ 3	+ 1	- 1	- 1	0	0	- 1	- 1	- 2	- 2	- 2	0	+ 2	+ 4	+ 5	+ 5	+ 2	- 3	- 6	- 6	- 5	- 2	+ 7	635			
9	+11	+ 9	+ 6	+ 2	- 1	- 3	- 1	+ 1	+ 2	+ 1	0	- 2	- 3	- 2	+ 1	+ 3	+ 3	- 5	0	- 1	- 2	- 5	- 3	- 1	634			
10	- 3	- 6	- 4	- 2	- 1	- 1	0	0	0	0	0	0	- 1	- 1	- 1	+ 1	+ 2	+ 2	0	+ 1	+ 3	+ 2	+ 1	+ 2	635			
11	+ 3	+ 3	+ 4	+ 5	+ 1	0	+ 1	+ 1	0	0	0	- 1	- 1	- 1	- 1	- 1	0	+ 1	- 1	- 2	- 2	- 1	- 1	+ 2	634			
12	+ 3	+ 2	0	- 4	- 4	- 3	- 1	0	+ 1	+ 1	0	0	- 1	- 1	- 1	- 1	- 1	0	- 1	- 2	- 2	+ 4	+ 6	+ 4	633			
13	+ 5	+ 2	- 4	-10	-12	-12	- 8	- 4	- 1	+ 1	+ 2	+ 2	+ 4	+ 5	+ 4	+ 4	+ 5	+ 5	+ 4	+ 3	+ 1	+ 2	+ 6	+ 7	627			
14	+ 2	- 4	- 9	-12	-11	- 9	- 6	- 4	- 3	- 1	0	+ 2	+ 2	+ 3	+ 4	+ 4	+ 4	+ 3	+ 2	0	0	+ 4	+ 7	+10	629			
15	+ 9	+ 3	- 4	- 7	-10	- 8	- 7	- 5	- 3	0	+ 1	+ 3	+ 5	+ 5	+ 5	+ 6	+ 7	+ 6	+ 3	0	- 2	- 3	- 1	0	626			
16	- 6	-10	-10	- 1	+ 1	- 1	+ 1	- 2	- 3	- 3	- 1	+ 1	+ 2	+ 1	+ 3	+ 3	+ 5	+ 5	+ 1	- 4	- 2	+ 6	+11	+ 9	630			
17	+ 2	- 3	- 6	- 6	- 7	- 5	- 5	- 2	- 1	0	+ 1	+ 1	+ 4	+ 3	+ 3	+ 3	+ 3	+ 3	+ 1	- 1	0	+ 3	+ 3	- 2	634			
18	- 6	- 6	- 6	- 5	- 3	- 3	- 3	- 1	- 1	0	+ 1	+ 2	+ 3	+ 4	+ 5	+ 6	+ 5	+ 3	0	- 4	- 3	+ 3	+ 7	+10	632			
19	+ 9	+ 8	+ 2	- 4	- 5	- 3	- 4	- 2	- 2	- 2	- 2	0	0	+ 2	+ 3	+ 4	+ 4	0	- 2	- 4	- 3	+ 2	+ 3	+ 2	633			
20	- 2	+ 1	+ 4	+ 2	- 1	- 4	- 4	- 3	- 2	- 2	- 2	- 2	0	+ 1	+ 2	+ 2	+ 2	- 2	- 7	- 6	- 2	+ 2	+ 6	+ 6	635			
21	+ 6	- 2	- 5	- 5	- 4	- 2	0	+ 1	+ 2	+ 2	+ 2	+ 2	+ 4	+ 5	+ 5	+ 5	+ 5	+ 2	+ 2	- 2	- 2	- 5	- 5	- 3	631			
22	+ 6	+ 9	+ 7	0	- 2	- 4	- 2	- 2	0	+ 1	+ 3	+ 4	+ 5	+ 6	+ 7	+ 7	+ 6	+ 3	- 7	-16	-16	-11	- 4	+ 1	628			
23	+ 4	0	- 1	- 5	- 7	- 8	- 6	- 1	0	+ 1	+ 1	+ 2	+ 3	+ 6	+ 7	+ 9	+ 7	+ 5	+ 3	- 3	- 7	-10	- 6	0	626			
24	+ 2	- 2	- 4	- 7	- 6	- 6	- 4	- 4	- 7	- 3	- 3	0	+ 2	+ 4	+ 6	+10	+10	+ 8	+ 2	- 4	- 3	+ 1	+ 4	+ 8	627			
25	0	- 7	- 8	- 5	- 5	-12	-10	- 9	- 7	- 2	+ 3	+ 3	+11	+16	+14	+20	+17	+12	+ 5	- 3	- 7	- 9	- 7	-13	630			
26	-23	-18	-12	-10	-10	- 7	- 4	0	+ 7	+ 7	+ 9	+ 9	+10	+11	+10	+13	+13	+11	+ 7	+ 4	- 1	- 6	- 9	-10	633			
27	-10	-13	-19	-19	-18	-12	- 6	0	+ 2	+ 4	+ 6	+ 7	+ 8	+ 8	+12	+12	+11	+10	+ 6	+ 4	+ 1	- 1	- 1	+ 2	629			
28	+ 4	0	- 6	- 5	- 5	- 5	- 5	- 4	- 1	0	+ 2	+ 3	+ 4	+ 4	+ 6	+ 5	+ 5	+ 4	+ 2	- 1	0	+ 2	+ 2	- 2	629			
29	- 6	-11	-18	-21	-17	- 9	- 4	0	+ 2	+ 4	+ 4	+ 4	+ 4	+ 6	+ 8	+ 8	+ 8	+ 9	+10	+ 8	+ 9	+ 6	+ 4	+ 3	627			
30	- 1	- 8	-11	- 9	- 6	- 6	- 5	- 3	- 1	+ 1	+ 2	+ 2	+ 1	+ 3	+ 4	+ 4	+ 4	+ 6	+ 6	+ 4	+ 3	+ 3	+ 3	+ 2	629			
31	+ 1	0	- 2	- 3	- 2	- 2	- 2	- 1	0	+ 2	+ 3	+ 3	+ 3	+ 3	+ 3	+ 3	+ 2	+ 1	0	- 4	- 4	- 3	- 5	- 4	633			
MEAN.	+ 1	- 2	- 4	- 5	- 6	- 5	- 4	- 2	- 1	0	+ 1	+ 2	+ 3	+ 4	+ 5	+ 6	+ 5	+ 4	+ 1	- 2	- 2	- 1	+ 1	+ 2	631			

[200/9.46—10537

[S.I.R.—388.
(1946 Print).

VERTICAL INTENSITY

G.M.T. (Z = 20000γ + Mean + ...) February 1947.

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	- 7	-10	-10	-10	-10	- 8	- 4	0	+ 3	+ 6	+ 8	+ 8	+ 9	+ 9	+ 9	+ 7	+ 6	+ 1	- 3	- 3	- 4	- 2	+ 3	627			
2		+ 7	+ 8	+ 5	- 2	- 6	- 7	- 5	- 2	0	+ 1	+ 3	+ 5	+ 6	+ 7	+ 7	+ 7	+ 7	+ 6	+ 2	- 3	- 7	-11	-13	-11	626			
3		- 9	- 9	-11	-11	- 8	- 7	- 5	- 4	- 3	- 4	0	+ 2	+ 5	+ 7	+ 9	+ 9	+11	+ 9	+ 7	+ 5	+ 3	0	+ 3	+ 5	628			
4		+ 4	+ 3	- 2	- 5	- 8	- 9	+ 2	0	0	+ 2	- 1	- 3	+ 2	+ 6	+ 7	+ 7	+ 6	+ 4	- 1	- 3	- 6	- 5	- 4	- 6	629			
5		- 1	- 1	- 1	- 1	- 3	- 4	- 4	- 3	- 2	- 1	- 1	+ 1	+ 4	+ 6	+ 8	+ 8	+ 8	+ 6	+ 2	- 3	- 5	- 4	- 3	- 3	627			
6		+ 6	+ 7	+ 4	0	- 3	- 6	- 5	- 8	- 6	- 4	- 3	- 2	0	+ 2	+ 4	+ 6	+ 6	+ 6	+ 2	- 1	- 3	- 1	0	- 1	629			
7		- 2	- 6	- 9	-10	- 7	- 6	- 2	+ 1	+ 5	+ 4	+ 4	+ 4	+ 4	+ 7	+11	+11	+12	+10	+ 7	- 1	- 7	-14	-13	- 7	622			
8		- 3	0	- 1	- 4	- 6	- 6	- 3	- 3	- 3	- 6	- 3	+ 2	+ 3	+ 2	+ 7	+11	+ 9	+ 9	+ 2	- 6	- 4	- 4	- 1	+ 5	624			
9		- 2	- 7	-13	-15	-11	-11	- 6	+ 2	+ 5	+ 3	+ 2	+ 2	+ 4	+ 5	+ 5	+ 6	+ 7	+ 8	+ 7	+ 6	0	+ 3	+ 4	+ 1	630			
10		- 8	-16	-17	-15	-12	- 8	- 3	0	0	+ 2	0	0	+ 2	+ 3	+ 6	+ 6	+ 6	+ 5	+ 3	+ 2	+ 2	+ 7	+11	+15	629			
11		+14	+ 8	+ 1	- 4	- 4	- 4	- 1	0	+ 2	+ 4	+ 5	+ 5	+ 5	+ 5	+ 5	+ 6	+ 5	+ 4	+ 1	- 6	-10	-12	-12	- 7	627			
12		- 1	- 6	-12	-15	-13	-11	- 6	- 1	+ 2	+ 5	+ 5	+ 7	+ 7	+ 8	+10	+10	+ 8	+ 7	+ 2	- 1	- 2	- 2	- 1	- 2	621			
13		- 9	- 6	- 5	- 8	- 9	- 8	- 5	- 2	0	+ 2	+ 5	+ 4	+ 5	+ 5	+ 6	+ 6	+ 6	+ 5	+ 4	+ 2	0	0	+ 1	- 3	632			
14		- 5	- 6	- 6	- 8	- 8	- 7	- 5	- 4	- 1	- 1	+ 3	+ 4	+ 6	+ 7	+ 8	+ 7	+ 6	+ 4	+ 3	+ 2	+ 2	0	- 1	+ 2	629			
15		+ 2	+ 2	- 1	- 2	- 3	- 4	- 3	- 2	- 1	0	+ 1	+ 2	+ 4	+ 5	+ 5	+ 5	+ 5	+ 4	0	- 4	- 4	- 3	- 5	- 7	628			
16		- 5	- 9	- 9	- 3	- 5	- 5	- 3	- 1	- 1	- 4	- 7	-13	- 7	- 4	+ 4	+ 6	+11	+15	+12	+ 7	+ 5	+ 5	+ 5	+ 3	620			
17		-10	- 8	- 8	-12	-14	-15	-13	- 8	- 4	- 2	+ 3	+ 8	+11	+10	+11	+12	+13	+13	+ 8	+ 3	0	0	0	+ 3	632			
18		+ 1	- 4	- 7	- 8	- 8	-10	- 7	- 5	- 3	- 2	+ 2	+ 6	+ 8	+ 8	+ 8	+10	+ 9	+ 6	+ 2	- 3	- 3	- 1	+ 1	+ 4	632			
19		+ 5	+ 3	+ 1	- 1	- 2	- 2	- 3	- 3	- 2	- 3	+ 1	+ 4	+ 4	+ 4	+ 5	+ 6	+ 7	+ 6	+ 5	- 1	- 6	- 6	- 6	- 6	631			
20		- 3	0	+ 2	- 1	- 2	- 2	- 1	0	0	0	+ 2	+ 2	+ 3	+ 4	+ 5	+ 6	+ 6	+ 6	+ 3	0	- 2	- 5	- 6	- 6	630			
21		- 2	- 1	+ 1	+ 1	- 1	- 2	- 2	- 2	- 1	- 1	+ 1	+ 1	+ 2	+ 4	+ 6	+ 7	+ 7	+ 6	+ 3	- 1	- 3	- 6	- 6	- 7	625			
22		- 1	+ 3	+ 2	- 3	- 6	- 6	- 6	- 3	- 1	0	0	+ 1	+ 2	+ 3	+ 5	+ 6	+ 7	+ 5	+ 4	+ 2	- 3	- 6	- 7	- 9	624			
23		- 5	- 4	- 6	- 8	- 6	- 6	- 4	- 1	0	+ 1	+ 1	+ 1	+ 2	+ 3	+ 5	+ 6	+ 7	+ 7	+ 5	+ 2	+ 1	0	0	0	621			
24		- 3	+ 1	+ 6	+ 8	+ 7	+ 4	+ 2	+ 1	+ 1	0	- 1	- 1	0	+ 1	+ 1	+ 4	+ 5	+ 4	+ 2	0	- 4	- 8	-12	-16	623			
25		- 9	- 6	- 7	-11	- 9	- 7	- 3	- 2	- 1	0	0	+ 1	+ 1	+ 3	+ 6	+ 9	+10	+ 9	+ 6	+ 5	+ 5	+ 3	0	- 3	618			
26		-11	-15	-14	-10	- 7	- 4	- 1	+ 2	+ 4	+ 4	+ 4	+ 4	+ 6	+ 7	+ 7	+ 7	+ 7	+ 7	+ 7	+ 5	+ 4	+ 2	- 2	- 5	619			
27		- 6	- 5	-10	-12	-10	- 7	- 3	0	+ 1	+ 3	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 6	+ 5	+ 3	+ 2	+ 2	+ 3	+ 3	+ 1	621			
28		- 2	- 2	- 5	- 7	- 8	-11	- 8	- 4	- 1	+ 1	+ 2	+ 4	+ 4	+ 5	+ 6	+ 6	+ 5	+ 4	+ 2	+ 2	0	- 1	- 1	- 2	620			
29																													
30																													
31																													
MEAN.		- 2	- 3	- 5	- 6	- 7	- 7	- 4	- 2	0	0	+ 1	+ 2	+ 4	+ 5	+ 6	+ 7	+ 7	+ 7	+ 4	0	- 2	- 2	- 2	- 2	626			

1250/9/46—10537

[S.I.R.—388.
(1946 Print).

VERTICAL INTENSITY

G.M.T. (Z = 20000γ + Mean + ...) March 1947.

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		- 4	- 4	- 5	- 7	- 7	- 7	- 6	- 5	- 2	0	+ 3	+ 4	+ 7	+ 8	+ 7	+ 7	+ 7	+ 4	0	- 4	- 5	- 2	+ 2	+ 1	620			
2		+ 1	- 2	- 8	-11	- 4	- 7	- 7	- 9	+ 6	+ 7	-10	- 3	- 3	- 5	+ 3	+ 9	+12	+13	+11	+ 8	0	+ 1	+ 2	+ 1	620			
3		- 8	- 9	-14	-11	- 8	- 5	- 2	0	+ 3	+17	+ 5	0	+ 1	+13	+16	+15	+16	+13	+18	- 1	-11	-16	-13	- 9	627			
4		-17	- 9	-12	-11	- 8	-14	-11	- 7	0	+ 2	+ 7	+13	+16	+15	+18	+17	+15	+ 9	0	- 5	- 7	- 6	- 4	0	635			
5		+ 1	- 2	- 2	0	- 3	- 5	- 5	- 3	- 4	- 1	+ 1	+ 2	+ 4	+ 5	+ 7	+ 8	+ 7	+ 4	+ 1	- 5	- 7	- 5	0	+ 1	633			
6		+ 7	+ 6	+ 5	+ 2	+ 1	- 1	- 3	- 4	- 4	- 3	- 2	0	+ 1	+ 3	+ 6	+ 8	+ 8	+ 6	+ 4	+ 2	- 5	-12	-13	-11	631			
7		- 3	+ 2	+ 2	0	- 2	- 2	- 3	- 7	- 7	- 7	- 6	- 2	- 1	+ 1	+ 5	+ 6	+ 9	+ 9	+ 7	+ 2	- 1	0	- 1	- 4	630			
8		+ 2	- 5	- 5	- 5	- 6	- 3	- 2	- 3	- 1	- 9	- 6	- 1	- 1	+ 1	+ 3	+ 8	+ 8	+ 7	+10	+ 4	+ 5	+ 3	- 5	- 9	625			
9		-20	-20	-18	-12	-10	- 6	- 4	- 3	+ 4	+ 8	+ 7	+ 8	+10	+ 8	+ 9	+ 9	+12	+12	+ 8	+ 3	+ 1	0	- 5	- 8	634			
10																													
11		- 5	- 7	-10	-10	- 9	- 7	- 4	- 1	0	+ 2	+ 3	+ 5	+ 6	+ 7	+ 7	+ 8	+10	+ 9	+ 7	+ 3	+ 1	- 2	- 3	- 5	625			
12		- 5	- 8	- 6	- 6	- 9	- 7	- 3	- 1	- 1	+ 1	+ 2	+ 1	+ 2	+ 4	+ 7	+ 4	+ 6	+ 7	+ 6	+ 4	+ 2	- 1	- 2	0	625			
13		- 1	- 5	- 5	- 3	- 3	- 5	- 5	- 4	- 2	0	+ 2	+ 4	+ 3	+ 3	+ 3	+ 4	+ 6	+ 5	+ 4	+ 4	+ 3	+ 2	- 2	- 1	625			
14		- 1	- 7	- 7	- 7	- 9	- 7	- 7	- 4	- 5	- 3	0	+ 1	+ 1	+ 3	+ 4	+ 3	+ 5	+ 5	+ 5	+ 6	+ 5	+ 3	+ 5	+ 9	622			
15		+ 7	+ 2	0	- 4	- 8	-10	-10	- 9	0	- 5	- 4	+ 1	+ 6	+ 5	+ 5	+ 3	+ 9	+ 7	+ 8	+ 7	+ 1	- 2	- 2	0	627			
16		- 4	- 5	- 5	- 5	- 6	- 5	- 4	- 2	+ 1	+ 2	+ 2	+ 4	+ 6	+ 8	+ 8	+ 8	+ 6	+ 6	+ 4	0	- 4	- 6	- 6	- 5	630			
17		- 7	- 8	- 9	-10	-10	- 9	- 5	- 3	+ 2	+ 2	+ 3	+ 6	+ 9	+ 9	+ 9	+ 8	+ 8	+ 6	+ 4	0	0	- 2	- 5	- 9	630			
18		- 6	- 7	- 7	- 7	- 6	- 5	- 3	- 2	0	0	0	+ 2	+ 4	+ 7	+ 9	+ 9	+10	+ 7	+ 4	0	- 4	- 7	- 5	0	625			
19		+ 1	- 2	- 2	- 3	- 6	- 6	- 5	- 5	- 2	+ 1	+ 3	+ 5	+ 6	+ 7	+ 8	+ 9	+ 9	+ 8	+ 4	- 1	- 5	- 6	- 7	-11	624			
20		-13	- 9	- 6	- 6	- 6	- 6	- 5	- 4	- 2	+ 1	+ 5	+ 7	+ 7	+ 8	+ 9	+10	+10	+ 8	+ 7	+ 3	0	- 1	- 2	- 4	624			
21		- 3	- 5	- 5	- 5	- 5	- 6	- 5	- 3	- 2	- 1	+ 1	+ 3	+ 5	+ 6	+ 8	+ 9	+10	+ 9	+ 6	+ 4	0	- 5	-10	-11	621			
22		-10	- 7	- 5	- 7	-10	-10	- 7	- 3	- 3	- 4	- 2	+ 2	+ 6	+ 7	+ 8	+10	+12	+10	+ 8	+ 5	0	- 3	- 3	- 4	621			
23		- 2	- 2	- 5	- 5	- 5	- 5	- 3	- 1	+ 1	0	+ 2	+ 3	+ 2	+ 5	+ 5	+ 6	+ 7	+ 5	+ 6	+ 4	0	- 2	- 4	- 5	620			
24		- 9	-10	-11	- 9	- 7	- 6	- 3	+ 2	+ 3	+ 3	+ 2	+ 3	+ 4	+ 5	+ 6	+ 7	+ 8	+ 8	+ 6	+ 4	+ 2	- 1	- 3	- 5	624			
25		- 2	- 2	- 3	- 4	- 7	- 6	- 4	- 2	- 2	+ 1	+ 1	+ 2	+ 4	+ 5	+ 6	+ 6	+ 7	+ 8	+ 6	+ 1	- 2	- 3	- 7	-11	621			
26		-10	-13	-12	-12	-10	- 7	- 3	- 1	0	+ 7	+ 5	+ 6	+ 6	+ 9	+ 9	+11	+13	+12	+12	+ 4	- 1	- 7	-11	-15	618			
27		-20	-19	-17	-14	- 5	- 5	- 5	- 5	+ 2	+ 3	+ 4	+ 7	+ 8	+ 8	+ 9	+10	+12	+13	+12	+ 8	+ 4	- 1	- 2	- 5	618			
28		-13	-19	-19	-18	-14	- 6	- 4	- 4	- 6	- 4	+ 4	+ 5	+11	+14	+13	+11	+11	+11	+ 8	+ 6	+ 5	+ 4	0	- 2	622			
29		- 4	- 5	- 5	- 4	- 2	0	+ 1	+ 1	+ 2	+ 2	+ 4	+ 6	+ 5	+ 4	+ 4	+ 4	+ 5	+ 6	+ 6	0	- 4	- 5	- 7	-10	625			
30																													
31		+ 4	- 3	- 3	-10	- 9	- 8	- 8	- 3	- 1	0	+ 3	+ 5	+ 4	+ 8	+ 8	+ 7	+ 8	+ 8	+ 6	+ 6	+ 1	- 2	- 6	- 8	625			
MEAN.		- 5	- 6	- 7	- 7	- 7	- 6	- 5	- 3	- 1	+ 1	+ 1	+ 3	+ 5	+ 6	+ 8	+ 8	+ 9	+ 8	+ 6	+ 2	- 1	- 3	- 4	- 5	625			

[S.I.R.—388.
(1946 Print).

VERTICAL INTENSITY

G.M.T. (Z = 20000γ + Mean + ...) April 1947.

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	- 7	- 7	- 5	- 2	- 1	- 2	- 2	0	+ 1	+ 3	+ 5	+ 6	+ 8	+ 8	+ 8	+ 8	+ 6	+ 4	0	- 2	- 4	- 7	- 9	622			
2	- 7	- 9	-10	- 9	- 9	- 8	- 6	- 5	- 3	- 1	+ 2	+ 5	+ 7	+ 8	+ 9	+11	+11	+12	+11	+ 7	+ 1	- 4	- 7	- 7	618			
3	- 7	- 8	- 7	- 9	-12	- 7	- 5	- 3	- 2	+ 2	+ 4	+ 6	+ 9	+11	+12	+14	+14	+12	+ 8	+ 4	- 3	- 7	- 8	-10	616			
4	-11	-12	-10	- 7	- 4	- 3	- 4	- 6	- 7	- 7	- 5	- 2	+ 2	+ 8	+10	+12	+12	+12	+11	+ 8	+ 4	+ 5	+ 2	- 1	618			
5	- 9	- 7	- 6	- 5	- 6	- 5	- 5	- 5	- 4	- 4	- 3	- 1	+ 1	+ 2	+ 5	+ 6	+ 6	+ 6	+ 7	+ 8	+ 6	+ 3	+ 2	+ 1	624			
6	+ 1	+ 3	- 1	- 9	- 8	- 6	- 5	- 4	- 3	- 2	- 1	+ 2	+ 3	+ 4	+ 5	+ 6	+ 7	+ 7	+ 5	+ 3	+ 2	0	- 2	- 5	623			
7	- 5	-10	-12	-12	- 9	- 6	- 2	- 1	- 1	0	+ 2	+ 3	+ 4	+ 4	+ 6	+ 7	+ 9	+10	+11	+ 9	+ 6	+ 4	- 2	- 7	617			
8	- 9	-13	- 9	- 6	- 2	- 1	0	- 1	0	+ 1	+ 1	+ 2	+ 3	+ 5	+ 7	+ 9	+ 9	+10	+ 9	+ 5	+ 2	0	- 4	-11	616			
9	-25	-20	-20	-16	-14	-11	- 9	- 8	- 6	- 4	- 2	+ 2	+ 7	+ 9	+ 8	+10	+13	+14	+15	+15	+11	+10	+ 7	+ 5	616			
10	- 3	- 6	- 5	- 5	- 3	- 2	- 1	- 1	+ 1	+ 2	+ 2	+ 2	+ 3	+ 4	+ 5	+ 5	+ 5	+ 6	+ 7	+ 5	+ 3	0	- 3	-11	622			
11	-14	-22	-23	-18	-15	-11	- 6	- 2	+ 1	+ 3	+ 5	+ 6	+ 7	+ 7	+ 8	+ 9	+10	+11	+12	+11	+ 9	+ 5	0	- 2	616			
12	- 8	- 9	-10	- 9	- 6	- 6	- 6	- 6	- 4	- 2	+ 1	+ 3	+ 5	+ 5	+ 5	+ 5	+ 6	+ 7	+ 8	+ 7	+ 5	+ 3	- 1	- 5	620			
13	- 7	- 5	- 6	- 4	- 4	- 4	- 5	- 4	0	+ 2	+ 2	+ 2	+ 4	+ 6	+ 7	+ 7	+ 6	+ 5	+ 6	+ 2	- 1	- 3	- 5	- 7	621			
14	- 8	- 8	- 8	- 7	- 8	- 7	- 5	- 2	0	+ 4	+ 4	+ 5	+ 7	+ 8	+ 8	+ 6	+ 7	+ 6	+ 4	- 1	- 5	- 5	- 4	- 2	619			
15	- 4	- 7	- 7	- 6	- 4	- 4	- 4	- 1	+ 2	+ 2	+ 2	+ 5	+ 6	+ 7	+ 9	+ 9	+ 8	+ 7	+ 7	+ 3	- 2	- 6	- 8	- 8	618			
16	- 7	-12	-13	- 8	- 4	- 6	- 8	- 7	- 6	- 2	+ 1	+ 3	+ 5	+ 7	+ 6	+ 6	+ 6	+ 6	+ 7	+ 7	+ 7	+ 8	+ 7	+ 6	618			
17	- 2	- 4	- 7	- 9	- 9	- 7	- 6	- 5	- 4	- 2	0	+ 4	+10	+ 6	+ 8	+ 4	+ 4	+ 5	+ 8	+ 7	+ 4	-22	- 2	+11	621			
18	0	- 2	+ 1	+ 2	+ 3	+ 3	+ 5	+ 5	+ 3	+ 4	+ 3	- 1	0	+ 3	+ 2	+ 2	+ 1	0	0	- 2	- 4	- 7	- 8	- 8	631			
19	- 5	- 3	0	+ 3	+ 4	+ 3	0	- 3	- 1	- 1	+ 3	+ 5	+ 4	+ 3	+ 4	+ 4	+ 4	+ 4	+ 3	- 1	- 5	- 7	- 9	-12	628			
20	- 7	- 4	- 2	0	0	- 3	- 9	- 8	- 5	- 2	+ 1	+ 4	+ 4	+ 4	+ 5	+ 5	+ 6	+ 6	+ 7	+ 3	0	- 1	- 2	- 4	623			
21	- 2	+ 1	- 2	- 3	- 4	- 3	- 3	- 3	- 2	- 2	0	+ 1	+ 2	+ 4	+ 5	+ 5	+ 6	+ 6	+ 5	+ 4	0	- 4	- 8	-12	623			
22	- 8	- 8	- 6	- 2	+ 1	+ 2	+ 1	+ 2	+ 1	+ 1	+ 1	+ 1	+ 2	+ 3	+ 6	+ 7	+ 9	+ 9	+ 7	-13	- 1	- 6	- 7	- 6	618			
23	- 5	- 7	- 6	- 4	- 2	- 1	0	0	- 1	0	0	+ 1	+ 3	+ 3	+ 5	+ 7	+ 8	+ 8	+ 7	+ 3	0	- 3	- 3	- 2	615			
24	- 3	- 6	- 9	- 8	- 4	- 3	- 3	- 4	- 3	- 1	0	+ 1	+ 2	+ 2	+ 4	+ 5	+ 6	+ 8	+ 6	+ 5	+ 4	+ 1	0	- 3	614			
25	- 3	- 6	- 8	- 6	- 4	- 2	- 1	- 3	- 2	+ 1	- 1	- 1	+ 1	+ 2	+ 1	+ 3	+ 5	+ 8	+ 7	+ 6	+ 4	+ 3	+ 3	+ 1	612			
26	- 4	- 8	-11	- 9	- 7	- 5	- 1	- 1	+ 2	+ 3	+ 3	+ 4	+ 5	+ 4	+ 4	+ 5	+ 4	+ 7	+ 8	+ 7	+ 5	+ 2	- 4	-10	611			
27	-14	-18	-16	-10	- 6	- 5	- 4	- 2	0	0	+ 1	+ 3	+ 4	+ 5	+ 4	+ 5	+ 7	+ 7	+ 7	+ 8	+ 7	+ 7	+ 8	+ 7	611			
28	+ 2	- 5	-10	- 7	- 8	-13	- 8	- 5	- 3	0	+ 2	+ 4	+ 5	+ 6	+ 7	+ 6	+ 5	+ 5	+ 6	+ 4	+ 2	+ 1	- 1	- 5	614			
29	- 7	- 5	- 1	+ 1	+ 1	- 1	- 2	- 3	- 1	- 1	0	+ 2	+ 4	+ 5	+ 7	+ 6	+ 6	+ 5	(+ 6)	+ 4	+ 1	- 3	- 7	- 8	614			
30	-11	-13	-10	- 7	- 5	- 5	- 5	- 5	- 3	- 1	+ 1	+ 4	+ 6	+ 6	+ 8	+ 8	+ 8	+ 7	+ 5	+ 5	+ 4	+ 2	0	- 3	614			
31																												
MEAN.	- 7	- 8	- 8	- 6	- 5	- 4	- 4	- 3	- 2	0	+ 1	+ 3	+ 4	+ 5	+ 6	+ 7	+ 7	+ 7	+ 7	+ 4	+ 2	- 1	- 2	- 4	618			

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[S.I.R.—388.
(1946 Print).

VERTICAL INTENSITY

G.M.T. (Z = 20000γ + Mean + ...) May 1947.

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	- 5	- 6	- 6	- 2	- 5	- 6	- 6	- 5	- 4	- 2	+ 1	+ 3	+ 4	+ 5	+ 4	+ 3	+ 5	+ 6	+ 5	+ 3	+ 2	+ 2	+ 1	615			
2	+ 1	+ 2	+ 2	+ 2	+ 1	- 2	- 4	- 5	- 5	- 4	- 1	+ 1	+ 2	+ 4	+ 5	+ 5	+ 5	+ 4	+ 3	0	- 4	- 5	- 6	- 7	615			
3	- 5	- 6	- 4	+ 1	+ 1	+ 1	0	- 1	- 1	0	+ 1	+ 3	+ 5	+ 8	+ 8	+ 8	+ 9	+ 9	+ 8	+ 3	- 4	-12	-16	-18	610			
4	-16	-15	-13	-12	- 9	- 5	- 3	- 4	- 2	- 1	+ 1	+ 3	+ 5	+ 7	+ 9	+10	+10	+10	+10	+ 9	+ 8	+ 5	+ 3	0	606			
5	-11	-12	-10	- 6	- 4	- 2	- 4	- 4	- 3	- 1	0	+ 2	+ 4	+ 6	+ 7	+ 7	+ 7	+ 9	+10	+ 9	+ 5	- 1	- 6	- 8	609			
6	- 8	-10	-10	- 8	- 6	- 2	0	0	0	+ 1	+ 2	+ 4	+ 4	+ 4	+ 4	+ 6	+ 7	+ 7	+ 8	+ 9	+ 7	+ 2	- 3	-10	609			
7	-13	-10	- 7	- 5	- 2	+ 1	+ 2	+ 2	+ 2	+ 2	+ 4	+ 5	+ 6	+ 6	+ 7	+ 7	+ 9	+ 9	+ 7	+ 4	0	- 5	-10	-10	609			
8	-12	-13	-13	- 8	- 3	- 4	- 4	- 4	- 3	- 1	+ 1	+ 1	+ 3	+ 4	+ 5	+ 5	+ 6	+ 6	+ 7	+ 8	+ 6	+ 2	+ 1	- 1	610			
9	0	- 4	-10	- 7	- 7	- 2	0	0	0	0	+ 2	+ 4	+ 4	+ 4	+ 4	+ 5	+ 6	+ 7	+ 7	+ 5	+ 2	- 2	-10	-15	608			
10	-17	-11	- 6	- 1	- 1	- 1	- 3	- 4	- 4	- 3	- 3	- 1	+ 1	+ 1	+ 3	+ 4	+ 5	+ 6	+ 8	+ 8	+ 7	+ 4	+ 2	- 3	609			
11	- 5	- 7	-10	- 8	- 5	- 3	- 2	- 2	0	0	+ 2	+ 4	+ 4	+ 4	+ 4	+ 5	+ 6	+ 7	+10	+ 7	+ 4	0	- 7	-10	608			
12	-16	-17	-14	-10	- 7	- 4	- 3	- 2	0	+ 2	+ 3	+ 2	+ 2	+ 3	+ 4	+ 4	+ 4	+ 5	+ 7	+ 9	+ 7	+ 7	+ 5	0	610			
13	- 4	- 6	- 6	- 7	- 7	- 8	- 6	- 6	- 4	0	+ 3	+ 5	+ 6	+ 6	+ 6	+ 7	+ 8	+ 8	+ 8	+ 5	+ 2	- 3	- 6	- 8	609			
14	-12	-13	-15	-13	- 7	- 5	- 4	- 1	+ 1	+ 2	0	+ 3	+ 6	+ 6	+ 6	+ 7	+ 7	+ 8	+ 8	+ 8	+ 5	+ 4	+ 3	+ 4	613			
15	+ 6	+ 6	+ 4	- 2	- 3	0	- 1	- 1	- 2	- 3	+ 1	+ 3	+ 5	+ 6	+ 7	+ 6	+ 4	+ 4	+ 2	- 5	- 7	-11	-12	-11	613			
16	-12	-19	-20	-17	-12	- 8	- 6	- 3	+ 1	+ 3	+ 3	+ 4	+ 7	+ 9	+10	+11	+10	+11	+10	+ 7	+ 3	+ 2	0	0	611			
17	- 2	- 5	- 4	- 4	- 3	- 4	- 4	- 4	- 4	- 4	- 2	0	+ 1	+ 4	+ 5	+ 6	+ 7	+ 5	+ 7	+ 5	+ 4	+ 1	- 2	- 5	614			
18	- 4	- 6	- 9	-10	- 7	- 5	- 6	- 7	- 7	- 4	- 1	+ 2	+ 4	+ 5	+ 7	+ 9	+ 8	+ 6	+ 8	+ 8	+ 6	+ 6	+ 5	+ 2	613			
19	+ 1	- 2	- 6	- 8	- 6	- 5	- 6	- 7	- 5	- 3	- 2	+ 2	+ 4	+ 5	+ 7	+ 9	+10	+ 9	+10	+ 9	+ 3	- 2	- 8	- 2	612			
20	-19	-16	-10	- 6	- 4	- 2	- 4	- 5	- 4	- 2	0	+ 3	+ 5	+ 7	+ 9	+11	+12	+11	+12	+11	+ 7	0	- 5	- 7	610			
21	- 8	- 4	- 4	- 2	0	- 1	- 2	- 1	- 2	- 2	- 1	0	+ 2	+ 4	+ 6	+ 7	+ 8	+ 8	+ 9	+ 8	+ 3	- 5	-13	-14	610			
22	-15	-14	-10	- 6	- 4	- 2	- 1	- 2	- 2	- 2	- 1	0	+ 1	+ 2	+ 4	+ 6	+ 7	+ 9	+12	+11	+ 7	+ 3	- 1	-10	610			
23	-14	-16	-13	-16	-15	-13	- 9	- 2	+ 2	+ 4	+ 3	+ 3	+ 4	+ 6	+ 8	+10	+11	+10	+12	+11	+10	+ 7	+ 3	- 1	607			
24	- 8	- 6	- 5	-10	-10	-11	- 7	-13	-23	-19	- 8	- 3	- 1	+ 3	+ 6	+ 8	+10	+10	+15	+16	+16	+17	+14	+ 6	611			
25	- 3	- 4	- 8	-10	-10	- 6	- 3	- 2	- 1	0	+ 2	+ 2	+ 1	+ 1	+ 2	+ 3	+ 5	+ 5	+ 6	+ 8	+ 5	+ 1	- 1	- 4	616			
26	- 3	- 6	-10	- 8	- 6	- 5	- 3	0	+ 2	+ 3	+ 3	+ 4	+ 5	+ 6	+ 5	+ 5	+ 6	+ 6	+ 8	+ 8	+ 6	+ 1	- 5	-11	611			
27	-13	-16	-18	-13	- 8	- 6	- 5	- 3	- 2	+ 1	+ 3	+ 4	+ 5	+ 7	+ 7	+ 7	+ 7	+ 6	+ 8	+ 8	+ 7	+ 3	+ 1	- 1	611			
28	- 3	- 3	- 2	- 3	- 4	- 4	- 4	- 4	- 2	0	+ 2	+ 3	+ 5	+ 4	+ 5	+ 5	+ 3	+ 2	+ 4	+ 7	+ 7	+ 3	- 4	- 7	612			
29	- 6	- 2	- 3	- 7	- 4	- 3	- 3	- 5	- 4	- 5	- 4	- 2	0	0	- 1	- 1	0	+ 3	+ 4	+ 7	+ 7	+ 8	+ 7	+ 1	615			
30	- 2	- 5	- 4	- 5	- 5	- 4	- 2	- 3	- 5	- 4	- 1	0	+ 2	+ 4	+ 5	+ 4	+ 4	+ 3	+ 3	+ 3	+ 3	+ 3	0	- 5	614			
31	- 3	- 1	- 1	+ 1	+ 1	0	- 2	- 3	- 3	- 3	- 1	+ 1	+ 2	+ 4	+ 5	+ 5	+ 3	+ 4	+ 5	+ 3	- 3	- 7	-11	- 6	613			
MEAN.	- 7	- 8	- 8	- 7	- 5	- 4	- 3	- 3	- 3	- 1	0	+ 2	+ 4	+ 5	+ 6	+ 6	+ 7	+ 7	+ 8	+ 7	+ 4	+ 1	- 3	- 5	611			

[S.I.R.—388.
(1946 Print).

VERTICAL INTENSITY

G.M.T. (Z = 20000γ + Mean + ...) June 1947.

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	-10	-10	-10	- 9	- 9	-10	- 9	- 7	- 2	+ 4	+ 8	+10	+11	+11	+12	+13	+12	+11	+ 8	+ 2	- 2	- 4	- 7	612			
2		-10	- 8	- 6	- 5	- 4	- 3	- 3	- 3	- 3	- 3	- 1	+ 1	+ 3	+ 5	+ 6	+ 7	+ 7	+ 7	+ 9	+ 9	+ 4	+ 1	- 3	- 5	613			
3		- 6	- 3	+ 2	0	- 2	- 2	- 3	- 5	- 4	- 3	- 2	- 1	- 1	0	+ 2	+ 2	+ 3	+ 2	+ 4	+ 5	+ 4	+ 3	- 1	- 3	615			
4		0	- 2	- 4	- 1	+ 1	+ 1	0	- 1	- 1	- 1	0	+ 1	+ 2	+ 4	+ 6	+ 5	+ 5	+ 6	+ 6	+ 6	+ 2	- 5	-11	-16	610			
5		-12	- 8	- 6	- 5	- 1	0	0	+ 4	- 5	- 5	- 3	- 1	+ 3	+ 4	+ 4	+ 6	+ 7	+10	+11	+11	+ 7	+ 3	- 7	-14	606			
6		-25	-21	-14	- 7	- 4	- 3	- 1	0	+ 2	+ 4	+ 4	+ 5	+ 6	+ 6	+ 8	+ 9	+ 9	+ 9	+11	+11	+ 7	+ 2	- 4	-14	608			
7		-21	-22	-22	-21	-16	-11	- 6	- 5	- 3	0	+ 3	+ 5	+ 7	+ 7	+ 9	+12	+13	+13	+14	+16	+13	+12	+ 8	+ 2	609			
8		- 7	- 7	- 7	- 7	- 5	- 3	- 1	- 2	0	+ 1	+ 3	+ 2	+ 3	+ 3	+ 4	+ 5	+ 5	+ 4	+ 6	+ 6	+ 2	+ 1	- 3	- 9	617			
9		- 8	-11	-12	-12	- 8	- 6	- 7	- 5	- 3	0	+ 4	+ 1	0	+ 1	+ 3	+ 4	+ 6	+ 7	+ 8	+ 9	+ 9	+ 8	+ 5	+ 1	613			
10		- 6	-12	-13	- 9	- 7	- 5	- 2	- 3	- 1	0	+ 1	+ 2	+ 4	+ 4	+ 4	+ 5	+ 5	+ 6	+ 7	+ 8	+ 9	+ 5	+ 3	- 1	612			
11		- 3	- 5	- 5	- 3	- 3	- 5	- 4	- 3	- 1	+ 2	+ 3	+ 3	+ 4	+ 5	+ 5	+ 5	+ 5	+ 5	+ 6	+ 5	+ 2	- 2	- 6	- 8	611			
12		- 9	- 9	- 9	- 8	- 8	- 7	- 6	- 3	- 2	0	+ 2	+ 3	+ 4	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 7	+ 7	+ 3	0	- 6	613			
13		-10	- 8	- 7	- 3	- 1	- 1	- 2	- 2	- 1	+ 1	+ 3	+ 5	+ 6	+ 6	+ 6	+ 6	+ 6	+ 6	+ 9	+ 9	+ 5	- 3	-11	-22	612			
14		-27	-23	-15	-15	-12	- 8	- 8	- 4	- 3	- 3	+ 1	+ 6	+ 8	+10	+11	+10	+ 8	+ 9	+10	+13	+12	+ 5	+ 4	+ 2	614			
15		- 6	-10	-10	-10	- 8	- 6	- 5	- 5	- 4	- 3	- 1	- 1	+ 2	+ 4	+ 5	+ 6	+ 7	+ 8	+ 7	+ 6	+ 8	+10	+ 9	+ 8	616			
16		+ 7	0	- 2	- 1	- 2	- 2	- 4	- 4	- 4	- 2	- 1	0	+ 3	+ 4	+ 4	+ 5	+ 4	+ 3	+ 5	+ 5	0	- 5	- 6	-13	615			
17		- 9	- 2	+ 2	+ 4	0	- 5	- 7	- 9	-13	-12	- 6	- 2	+ 2	+ 6	+ 9	+11	+11	+10	+ 9	+ 7	+ 3	- 1	- 5	- 9	615			
18		-15	-13	- 7	- 4	- 3	- 3	- 3	- 3	- 5	- 5	- 3	0	+ 3	+ 5	+ 6	+ 8	+10	+ 9	+11	+10	+ 4	0	- 5	- 9	614			
19		- 9	-12	-11	- 9	- 8	- 5	- 3	- 2	- 2	- 1	+ 1	+ 3	+ 4	+ 6	+ 8	+ 8	+10	+10	+11	+ 8	+ 4	- 1	- 5	-11	612			
20		-14	-11	- 8	- 3	- 1	- 1	- 2	- 2	- 3	- 1	0	+ 1	+ 2	+ 3	+ 4	+ 6	+ 8	+ 9	+12	(+11)	+ 9	+ 1	- 7	-15	612			
21		-13	-10	- 6	- 3	- 2	0	0	0	0	0	0	0	+ 1	+ 2	+ 3	+ 4	+ 6	+ 7	+11	+10	+ 7	+ 2	- 5	-11	609			
22		-14	- 9	- 6	- 4	- 2	- 2	- 1	- 1	- 1	- 2	- 1	- 2	- 2	- 1	- 1	0	+ 2	+ 3	+ 8	+13	+12	+ 9	+ 2	- 1	611			
23		- 1	- 2	0	- 2	- 4	- 4	- 4	- 4	- 4	- 4	- 4	- 4	- 4	- 4	- 5	- 2	+ 1	+ 3	+ 6	+10	+13	+11	+10	+ 3	615			
24		- 3	-10	-11	- 6	- 5	- 4	- 2	- 2	- 2	0	0	0	- 1	- 2	- 2	- 2	0	+ 2	+ 7	+11	0	+12	+ 9	+ 7	613			
25		+ 4	+ 1	- 3	- 6	- 7	- 6	- 6	-10	- 8	- 5	- 3	- 2	0	+ 1	+ 1	+ 1	+ 3	+ 3	+ 6	+ 9	+ 9	+ 7	+ 1	- 2	617			
26		- 2	- 3	- 2	- 1	- 2	- 5	- 6	- 7	- 6	- 3	- 2	- 1	+ 1	- 1	0	+ 2	+ 2	+ 2	+ 6	+12	+11	+ 8	+ 2	- 6	616			
27		- 7	- 7	- 3	0	- 1	- 2	- 2	- 1	- 1	- 1	0	+ 1	+ 1	+ 1	+ 2	+ 1	+ 1	0	+ 2	+ 5	+ 6	+ 5	- 1	- 7	614			
28		- 7	- 2	- 2	- 2	- 4	- 4	- 5	- 4	- 3	- 2	0	+ 2	+ 2	+ 3	+ 4	+ 4	+ 4	+ 2	+ 2	+ 4	+ 6	+ 7	+ 4	- 2	611			
29		- 5	- 6	- 7	- 3	- 3	- 3	- 2	- 2	- 1	0	+ 2	+ 4	+ 6	+ 6	+ 6	+ 7	+ 7	+ 7	+ 7	+ 5	+ 2	- 3	- 8	-13	607			
30		-20	-20	-12	- 6	- 3	- 3	- 2	- 3	- 3	- 1	+ 2	+ 3	+ 4	+ 6	+ 7	+ 7	+ 7	+ 6	+ 8	+ 8	+ 7	+ 7	+ 2	- 1	607			
31																													
MEAN.		- 9	- 9	- 7	- 5	- 4	- 4	- 4	- 3	- 3	- 2	0	+ 1	+ 3	+ 4	+ 5	+ 5	+ 6	+ 6	+ 8	+ 9	+ 6	+ 3	- 1	- 6	612			

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G.M.T. (Z = 20000γ + Mean + ...) July 1947.

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	- 5	- 5	- 3	- 1	- 3	- 3	- 3	- 1	- 2	0	0	0	+ 2	+ 3	+ 4	+ 4	+ 4	+ 6	+ 7	+ 6	+ 2	- 4	- 7	610			
2	-13	-13	-12	- 5	- 4	- 2	- 1	- 2	- 1	+ 1	+ 1	+ 2	+ 3	+ 3	+ 6	+ 7	+ 6	+ 8	+ 9	+ 9	+ 6	+ 3	- 2	- 3	611			
3	- 9	- 9	- 3	- 3	- 3	- 4	- 5	- 6	- 5	- 4	- 2	0	+ 2	+ 2	+ 4	+ 5	+ 5	+ 6	+ 8	+ 9	+ 8	+ 5	0	- 3	612			
4	- 4	- 5	- 5	- 5	- 6	- 6	- 5	- 5	- 5	- 4	- 2	- 1	+ 1	+ 2	+ 3	+ 4	+ 5	+ 5	+ 8	+ 9	+ 8	+ 8	+ 4	+ 1	611			
5	- 5	- 6	- 6	- 3	- 2	- 2	- 2	- 5	- 4	- 3	- 2	- 2	0	+ 1	+ 2	+ 2	+ 4	+ 5	+ 7	+ 7	+ 5	+ 3	+ 1	- 3	612			
6	- 5	- 7	- 7	- 4	- 4	- 5	- 5	- 5	- 6	- 5	- 4	- 2	- 1	- 1	+ 2	+ 3	+ 5	+ 6	+ 9	+10	+ 8	+ 8	+ 5	- 2	611			
7	- 8	-10	- 5	- 3	- 4	- 3	0	0	+ 1	+ 1	+ 1	+ 1	+ 3	+ 3	+ 4	+ 5	+ 7	+ 7	+ 8	+ 8	+ 5	+ 2	- 3	-12	609			
8	-12	-12	-11	-11	-11	- 9	- 7	- 3	- 1	+ 1	+ 3	+ 3	+ 3	+ 5	+ 6	+ 7	+ 7	+ 7	+10	+11	+10	+ 7	+ 3	0	607			
9	- 6	- 7	- 6	- 5	- 5	- 8	- 7	- 5	- 4	- 3	- 1	C	0	+ 1	+ 2	+ 2	+ 3	+ 4	+ 7	+10	+ 9	+ 6	+ 7	+ 2	610			
10	- 4	- 9	- 7	- 7	- 6	- 4	- 4	- 3	- 4	- 3	0	+ 2	+ 2	+ 3	+ 3	+ 3	+ 4	+ 5	+ 7	+ 8	+ 7	+ 3	0	- 4	610			
11	- 9	- 8	- 7	- 5	- 4	- 5	- 5	- 4	- 3	- 1	0	+ 2	+ 4	+ 4	+ 4	+ 4	+ 6	+ 7	+ 8	+10	+ 8	+ 4	0	0	610			
12	- 7	-10	- 9	-12	-10	- 6	- 5	- 4	- 2	- 2	- 1	+ 1	+ 2	+ 4	+ 5	+ 5	+ 5	+ 5	+ 6	+ 6	+ 8	+ 7	+ 5	+ 2	611			
13	- 4	- 8	- 5	- 3	- 4	- 4	- 4	- 4	- 2	- 1	+ 1	+ 2	+ 3	+ 3	+ 3	+ 3	+ 5	+ 5	+ 6	+ 6	+ 6	+ 5	+ 1	+ 1	611			
14	- 3	- 8	- 5	- 6	- 6	- 5	- 5	- 5	- 4	- 1	0	+ 2	+ 3	+ 4	+ 4	+ 3	+ 3	+ 2	+ 3	+ 3	+ 4	+ 6	+ 9	+ 9	610			
15	+ 5	+ 6	+ 8	+ 8	+ 3	- 1	- 4	- 4	- 4	- 2	- 1	+ 1	+ 2	+ 3	+ 3	+ 4	+ 3	+ 3	+ 3	+ 4	+ 1	- 4	-13	-15	611			
16	- 5	- 7	- 9	-10	- 9	- 8	- 7	- 6	- 5	- 3	- 1	+ 1	+ 3	+ 5	+ 7	+ 7	+ 8	+ 8	+ 8	+ 8	+ 7	+ 5	- 2	- 6	605			
17	- 3	+ 2	+ 2	+ 2	0	- 1	- 2	- 3	- 4	- 3	0	+ 1	+ 2	+ 4	+ 4	+ 4	+ 5	+15	+14	+ 8	-10	- 9	-10	-20	605			
18	-25	-18	-13	-10	- 8	- 6	- 3	- 4	- 4	- 7	- 7	- 4	0	+ 1	+ 3	+ 7	+10	+10	+14	+16	+15	+14	+12	+ 7	609			
19	- 2	- 7	- 9	- 7	- 4	+ 1	0	0	0	- 1	0	+ 1	0	+ 2	+ 5	+ 5	+ 5	+ 6	+ 7	+ 7	+ 2	- 4	- 7	-12	614			
20	-14	-19	-15	- 7	- 5	- 1	- 1	- 3	- 4	- 1	- 2	- 3	- 2	+ 1	+ 4	+ 6	+ 7	+ 9	+10	+11	+ 9	+ 7	+ 1	0	610			
21	- 3	- 5	- 8	- 9	- 5	- 2	- 2	- 2	- 1	+ 1	+ 3	+ 1	- 1	+ 1	+ 2	+ 3	+ 6	+ 7	+ 9	+10	+ 8	+ 3	- 1	- 9	611			
22	-10	- 5	- 4	- 4	- 5	- 4	- 2	- 2	- 4	- 1	- 1	- 1	- 1	- 1	+ 1	+ 2	+ 2	+ 1	+ 4	+ 6	+ 6	+ 6	+ 6	+ 1	611			
23	0	- 2	- 4	- 3	- 5	- 5	- 4	- 3	- 3	0	+ 2	0	+ 2	+ 1	+ 3	+ 3	+ 4	+ 6	+ 8	+ 7	+ 6	0	- 4	- 5	610			
24	- 7	- 2	+ 2	- 2	- 5	- 4	- 3	- 3	- 3	- 1	- 1	- 1	- 1	0	0	+ 1	+ 2	+ 3	+ 6	+ 8	+ 6	+ 2	- 3	- 4	610			
25	0	- 5	- 8	-10	- 9	- 6	- 5	- 4	- 2	- 1	0	+ 3	+ 3	+ 2	+ 3	+ 4	+ 5	+ 5	+ 7	+10	+ 9	+ 5	- 1	- 8	607			
26	-15	-17	-14	-12	-11	- 8	- 6	- 4	- 4	0	+ 3	+ 6	+ 6	+ 7	+ 6	+ 7	+ 6	+ 7	+ 9	+ 9	+ 7	+ 5	+ 3	0	608			
27	- 3	- 4	- 4	- 5	- 9	-10	- 8	- 8	- 7	- 3	0	0	+ 1	+ 4	+ 4	+ 4	+ 4	+ 5	+ 7	+ 9	+ 7	+ 4	+ 2	+ 4	611			
28	+ 2	- 1	+ 1	0	- 2	- 4	- 4	- 4	- 3	- 1	+ 1	+ 1	+ 2	+ 3	+ 3	+ 3	+ 3	+ 3	+ 3	+ 3	+ 1	- 2	- 4	- 4	612			
29	- 4	- 4	- 2	- 2	- 3	- 2	- 3	- 2	- 2	- 2	- 2	+ 1	+ 4	+ 5	+ 6	+ 7	+ 7	+ 7	+ 5	+ 5	0	- 9	- 9	- 4	610			
30	- 2	0	- 1	- 2	- 2	- 3	- 4	- 3	- 3	- 2	0	+ 1	+ 3	+ 4	+ 5	+ 5	+ 5	+ 5	+ 5	+ 3	- 3	- 7	- 7	- 6	610			
31	- 3	- 3	- 4	- 4	- 6	- 7	- 7	- 6	- 4	- 3	- 2	- 1	- 1	+ 1	+ 2	+ 4	+ 4	+ 4	+ 6	+ 7	+ 7	+ 7	+ 8	+ 2	609			
MEAN.	- 6	- 7	- 6	- 5	- 5	- 4	- 4	- 4	- 3	- 2	0	+ 1	+ 2	+ 3	+ 4	+ 4	+ 5	+ 6	+ 7	+ 8	+ 6	+ 3	0	- 3	610			

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G.M.T. (Z = 20000γ + Mean + ...) August 1947.

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	- 6	- 5	- 5	- 4	- 7	-10	- 6	- 3	- 3	0	+ 5	+ 7	+ 9	+11	+11	+ 9	+ 9	+ 5	0	- 4	- 8	-10	609			
2		- 6	-11	- 9	- 7	- 6	- 4	- 2	- 5	- 2	0	+ 2	+ 5	+ 6	+ 9	+11	+12	+11	+11	+11	+ 8	+ 4	- 2	- 9	-16	605			
3		-19	-18	-13	- 7	- 3	- 1	- 1	- 1	- 1	+ 1	+ 4	+ 5	+ 6	+ 6	+ 8	+ 9	+ 9	+11	+11	+ 9	+ 5	+ 1	- 6	-13	605			
4		-19	-18	-15	-11	- 9	- 8	- 5	- 1	+ 2	+ 2	+ 2	+ 4	+ 6	+ 7	+ 9	+11	+12	+12	+13	+12	+ 8	+ 3	- 3	- 6	606			
5																													
6		-13	- 9	- 8	- 6	- 6	- 6	- 3	- 2	- 1	- 1	- 3	- 1	0	+ 2	+ 3	+ 4	+ 6	+ 7	+ 9	+ 9	+ 4	0	+ 4	+ 7	607			
7		+ 3	0	0	- 6	- 7	- 5	- 3	- 1	- 1	0	+ 1	+ 2	+ 3	+ 3	+ 4	+ 5	+ 5	+ 6	+ 6	+ 5	+ 1	- 4	- 6	- 7	606			
8		- 9	-14	-15	-10	- 7	- 5	- 4	- 2	0	+ 2	+ 3	+ 4	+ 4	+ 5	+ 6	+ 6	+ 6	+ 7	+ 7	+ 6	+ 1	0	+ 1	+ 1	603			
9		- 2	- 7	-10	- 7	- 6	- 6	- 7	- 5	- 3	- 2	+ 1	+ 2	+ 3	+ 4	+ 4	+ 4	+ 6	+ 6	+ 7	+ 7	+ 4	0	0	0	603			
10		0	- 2	- 4	- 3	- 2	- 5	- 5	- 2	- 2	0	+ 2	+ 4	+ 4	+ 4	+ 5	+ 5	+ 4	+ 4	+ 4	+ 5	+ 3	0	- 5	- 9	601			
11		-10	-15	-15	-10	- 6	- 4	- 4	- 3	- 3	0	+ 1	+ 3	+ 5	+ 6	+ 6	+ 7	+ 7	+ 7	+10	+11	+ 8	+ 5	+ 1	- 6	598			
12		-11	-10	-13	-14	-17	-17	-14	-11	- 5	- 2	+ 6	+ 8	+11	+13	+15	+15	+12	+10	+10	+ 6	+ 2	- 1	- 1	- 3	601			
13		- 1	+ 1	- 2	- 5	- 6	- 5	- 5	- 5	- 3	- 2	+ 1	+ 5	+ 4	+ 7	+ 7	+ 5	+ 8	+ 5	0	- 3	- 3	- 1	- 1	- 1	602			
14		- 5	- 5	- 5	- 2	- 2	- 2	- 2	- 3	- 3	0	+ 1	+ 3	+ 4	+ 4	+ 5	+ 5	+ 4	+ 3	+ 5	+ 4	+ 1	- 5	- 7	- 7	606			
15		- 4	- 4	- 3	- 2	- 4	- 4	- 3	- 2	- 1	+ 1	+ 1	0	+ 2	+ 6	+ 8	+10	+10	+ 8	+10	+ 8	+ 7	- 5	-21	-25	601			
16		-26	-16	- 8	- 2	- 1	- 2	- 3	- 1	- 1	- 1	+ 4	+ 6	+ 7	+ 3	+ 3	+ 7	+ 9	+11	+10	+ 5	0	- 5	- 3	- 5	610			
17		(-10)	-12	-12	- 8	- 4	- 4	- 3	- 6	- 4	- 3	- 3	- 2	- 2	- 2	0	+ 5	+ 8	+10	+13	+11	+ 6	+17	+ 1	- 4	613			
18		- 4	- 6	- 7	- 4	- 2	- 4	- 4	- 1	+ 2	+ 1	- 1	+ 1	+ 2	+ 1	+ 1	+ 3	+ 3	+ 5	+ 7	+ 8	+ 5	+ 2	- 4	-10	613			
19		- 9	- 9	-10	-11	- 7	- 2	- 2	- 3	0	- 2	- 6	- 2	0	+ 1	+ 4	+ 7	+10	+10	+12	+14	+12	+ 6	0	-11	609			
20																													
21																													
22																													
23		- 3	-19	-18	(-15	-11	- 7	- 3	+ 1	+ 4)	+ 9	+ 6	+ 6	+ 4	+ 6	+ 7	+ 6	+ 3	+ 4	+ 6	+ 7	+ 6	+ 4	+ 1	- 2	617			
24		- 3	- 5	- 3	- 1	- 4	- 4	- 1	- 1	- 2	- 1	0	+ 2	+ 5	+ 4	+ 3	+ 3	+ 3	+ 3	+ 7	+ 8	+ 4	- 2	- 5	- 8	615			
25		- 9	- 8	- 7	- 4	- 4	- 2	- 2	- 1	+ 1	+ 1	- 2	0	+ 3	+ 3	+ 3	+ 5	+ 5	+ 4	+ 5	+ 3	+ 4	+ 3	- 2	- 7	614			
26		-10	-10	- 9	- 7	- 6	- 5	- 3	0	+ 2	+ 2	+ 3	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 6	+ 6	+ 4	+ 1	+ 2	+ 3	0	612			
27		- 2	- 3	- 3	- 4	- 4	- 4	- 6	- 6	- 6	- 6	+ 2	+ 5	+ 8	+ 9	+10	+ 9	+ 9	+ 9	+ 8	+ 5	0	- 8	-12	-15	610			
28		-12	- 8	- 1	+ 1	+ 1	+ 1	+ 1	+ 1	+ 2	+ 1	+ 2	+ 3	+ 6	+ 7	+ 8	+ 8	+10	+10	+ 7	+ 2	- 3	- 7	-12	-17	605			
29		-18	-19	-16	-11	- 4	- 2	- 2	- 1	0	0	+ 4	+ 6	+ 7	+ 9	+10	+12	+12	+12	+12	+11	+ 7	- 1	- 7	-11	605			
30		-10	- 7	- 4	- 4	- 7	- 6	- 6	- 5	- 3	- 1	+ 1	+ 3	+ 5	+ 7	+ 8	+ 9	+10	+10	+11	+ 8	+ 4	- 1	- 5	- 7	604			
31		- 7	- 5	- 3	- 3	- 6	- 7	- 6	- 6	- 5	- 3	0	+ 2	+ 3	+ 4	+ 6	+ 7	+ 8	+10	+11	+ 8	+ 5	0	- 3	- 9	604			
MEAN.		- 8	- 9	- 8	- 6	- 5	- 5	- 4	- 3	- 1	0	+ 1	+ 3	+ 4	+ 5	+ 6	+ 7	+ 8	+ 8	+ 8	+ 7	+ 4	0	- 4	- 7	607			

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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	- 9	- 8	- 6	- 5	- 6	- 5	- 5	- 3	- 1	0	+ 3	+ 4	+ 6	+ 7	+ 8	+10	+11	+11	+ 8	+ 4	- 4	- 6	- 7	604			
2		- 8	-12	-14	-15	-12	- 8	- 7	- 5	- 3	- 2	0	+ 1	+ 4	+ 5	+ 7	+ 9	+10	+12	+15	+10	+ 7	+ 7	0	- 5	600			
3		- 4	- 6	-13	-15	-13	- 8	- 2	- 7	-13	-25	-18	- 2	+ 3	+ 4	+ 9	+12	+16	+18	+18	+21	+16	+11	+ 9	0	601			
4		-16	-17	-16	-13	- 6	- 4	- 2	0	+ 2	+ 5	+ 6	+ 7	+ 7	+ 9	+ 8	+12	+11	+11	+12	+ 7	+ 2	+ 1	- 6	- 9	610			
5		-14	-14	-12	- 9	- 6	- 5	- 5	- 4	- 2	- 1	- 2	- 1	+ 2	+ 2	+ 2	+ 3	+ 5	+ 6	+ 9	+12	+12	+12	+ 9	+ 7	612			
6		+11	+ 8	+ 2	- 1	- 3	- 5	- 6	- 4	- 6	- 3	- 2	+ 1	0	0	- 1	0	+ 1	+ 3	+ 5	+ 5	+ 2	+ 1	- 6	-13	609			
7		-18	-20	-16	-12	- 8	- 5	- 2	+ 1	+ 4	+ 4	+ 6	+ 8	+ 7	+ 9	+ 8	+ 8	+10	+12	+10	+ 5	0	- 2	- 1	+ 2	607			
8		- 3	- 6	-13	-11	- 6	- 6	- 3	- 2	- 4	- 5	+ 4	+ 5	+ 5	+ 6	+ 6	+ 6	+ 6	+ 6	+ 7	+ 6	+ 4	+ 1	0	- 3	605			
9		- 6	- 8	- 9	- 8	- 7	- 6	- 6	- 3	- 2	0	+ 2	+ 3	+ 4	+ 4	+ 6	+ 6	+ 6	+ 6	+ 6	+ 3	+ 1	0	- 1	- 1	608			
10		0	- 3	- 5	- 6	- 5	- 3	- 2	- 2	- 2	- 1	+ 2	+ 4	+ 5	+ 7	+ 7	+ 7	+ 6	+ 6	+ 5	0	- 2	- 5	- 6	- 5	607			
11		- 2	- 4	- 6	- 5	- 4	- 5	- 4	- 4	- 3	0	+ 2	+ 1	+ 1	+ 3	+ 6	+ 7	+ 6	+ 6	+ 8	+ 4	+ 2	+ 1	- 2	- 2	604			
12		- 4	+ 1	+ 2	0	0	- 1	- 2	- 4	- 7	- 6	+ 1	+ 3	+ 4	+ 5	+ 7	+ 7	+ 7	+ 7	+ 6	+ 2	- 1	- 3	- 5	- 8	607			
13		-10	- 8	- 2	- 1	- 3	- 7	-10	- 9	- 9	- 2	+ 1	+ 2	+10	+14	+16	+16	+16	+12	+ 5	- 1	- 5	- 9	-10	- 8	611			
14		- 8	- 8	- 6	- 4	- 4	- 6	- 8	-10	-12	-11	- 4	- 2	+ 8	+12	+14	+15	+14	+15	+15	+10	+ 4	- 2	-12	-21	614			
15		-21	-23	-18	-13	-10	- 4	- 2	+ 2	+ 2	+ 1	+ 4	+ 8	+ 9	+12	+18	+19	+16	+13	+14	+ 8	- 4	- 9	-11	-10	606			
16		-10	-12	- 9	- 7	- 4	- 2	- 1	+ 1	+ 2	+ 2	+ 2	+ 2	+ 2	+ 3	+ 6	+ 6	+ 6	+ 7	+ 7	+ 6	+ 1	- 1	- 8	-11	609			
17		-10	- 8	- 7	- 7	- 3	- 3	- 2	- 1	- 2	- 1	+ 3	0	- 2	- 1	+ 2	+ 7	+ 6	+ 6	+ 5	+ 5	+ 3	+ 1	- 2	0	609			
18		- 6	- 9	- 5	- 3	- 2	- 1	+ 1	+ 1	0	0	+ 4	+ 2	+ 2	+ 6	+ 5	+ 5	+ 4	+ 4	+ 5	+ 2	- 1	- 3	- 9	-10	610			
19		- 8	- 8	- 6	- 4	0	+ 2	+ 2	+ 2	+ 2	+ 2	+ 3	+ 4	+ 2	+ 3	+ 5	+ 6	+ 7	+ 9	+ 7	+ 2	- 5	-10	-10	- 8	608			
20		- 7	- 6	- 5	- 5	- 4	- 5	- 3	- 1	+ 1	0	0	+ 1	+ 3	+ 4	+ 4	+ 5	+ 5	+ 8	+ 6	+ 5	+ 2	- 3	- 5	- 7	607			
21		-12	-16	-18	-16	-15	-13	- 9	- 6	0	+ 1	+ 2	+ 3	+ 4	+ 5	+ 7	+ 7	+ 7	+ 9	+11	+10	+ 9	+ 9	+ 7	+ 7	608			
22		+ 2	0	- 3	- 5	- 6	- 6	- 6	- 8	- 9	- 9	- 8	+ 5	+ 8	+ 6	+ 9	+ 6	+ 5	+ 6	+ 7	+ 4	+ 1	- 1	- 2	- 7	611			
23		-10	- 9	- 8	- 5	-10	-13	-11	- 6	- 5	- 3	+ 3	+ 6	+ 7	+10	+11	+ 9	+ 8	+ 7	+ 5	+ 2	+ 4	+ 5	+ 4	+ 6	613			
24		+ 5	- 1	- 9	- 9	-12	- 8	- 9	- 5	- 5	- 1	- 3	0	+ 2	+ 1	+ 1	+ 5	+ 5	+ 3	0	+ 5	+ 5	+ 8	+ 7	+ 8	610			
25		- 9	- 8	- 6	- 5	- 8	-11	-11	+ 1	+ 1	+ 9	+12	+12	+13	+13	+14	+15	+16	+11	+ 2	- 3	- 5	-11	-18	-21	623			
26		-11	- 9	- 9	- 5	- 2	- 1	- 2	- 3	- 1	+ 2	+ 4	+ 6	+ 6	+ 8	+ 9	+ 9	+ 9	+ 8	+ 6	+ 2	0	- 2	- 5	- 9	613			
27		- 5	- 9	-13	-14	-14	-12	- 9	- 7	0	+ 5	+ 7	+10	+11	+12	+13	+12	+11	+ 8	+ 5	0	- 3	- 7	- 6	- 6	605			
28		- 9	- 8	- 5	- 5	- 6	- 7	- 7	- 6	- 4	- 3	- 2	+ 1	+ 3	+ 5	+ 7	+ 6	+ 7	+ 7	+ 7	+ 7	+ 3	+ 1	- 1	+ 2	610			
29		+ 5	+ 5	+ 3	0	- 2	- 2	- 5	- 7	- 6	- 6	- 4	- 3	0	+ 2	+ 3	+ 5	+ 6	+ 6	+ 5	+ 5	+ 3	+ 2	- 1	- 4	612			
30		- 1	- 2	- 3	- 4	- 5	- 5	- 4	- 3	- 3	- 2	- 1	+ 1	+ 2	+ 3	+ 4	+ 5	+ 6	+ 7	+10	+ 7	+ 2	- 1	- 3	- 1	609			
31																													
MEAN.		- 7	- 8	- 8	- 7	- 6	- 6	- 5	- 3	- 3	- 2	+ 1	+ 3	+ 5	+ 6	+ 7	+ 8	+ 8	+ 8	+ 8	+ 5	+ 2	0	- 3	- 5	609			

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G.M.T. (Z = 20000γ + Mean + ...) October 1947.

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	- 4	- 7	- 7	- 9	- 6	- 5	- 5	0	+ 2	+ 2	+ 1	+ 1	+ 4	+ 7	+ 8	+10	+10	+ 5	+ 3	+ 1	- 6	- 8	- 6	607			
2		- 9	-14	-16	-17	-17	-13	- 8	- 4	- 3	+ 2	+ 4	+ 6	+ 9	+ 9	+10	+15	+17	+15	+14	+ 9	+ 2	- 3	- 7	-13	608			
3		-11	-10	- 7	- 6	- 4	- 5	+ 2	+ 7	+10	+10	+ 5	+ 8	+13	+16	+15	+15	+15	+12	+10	0	-10	-19	-26	-30	610			
4		-26	-24	-24	-20	-15	-10	- 5	- 2	+ 2	+ 5	+ 7	+ 9	+10	+12	+14	+15	+17	+17	+12	+ 9	+ 2	0	- 7	- 8	599			
5		- 9	-10	-10	-10	- 9	- 6	- 4	- 2	0	+ 3	+ 3	+ 4	+ 6	+ 7	+ 9	+ 9	+11	+11	+11	+ 8	+ 1	- 1	- 5	-14	600			
6		-21	-22	-17	-12	-10	- 8	- 7	- 5	- 1	0	+ 3	+ 4	+ 5	+ 5	+ 7	+ 8	+ 9	+ 9	+10	+10	+ 9	+ 8	+ 8	+ 8	601			
7		+ 3	0	- 5	- 7	- 9	- 6	- 4	- 5	- 4	- 3	- 2	0	+ 3	+ 3	+ 3	+ 4	+ 5	+ 8	+ 8	+ 4	+ 2	+ 1	- 1	+ 3	606			
8		- 1	- 4	- 8	-11	-10	- 7	- 5	- 3	- 1	+ 3	+ 5	+ 6	+ 6	+ 6	+ 5	+ 5	+ 6	+ 6	+ 8	+ 7	+ 4	- 2	- 3	- 3	604			
9		-12	-11	- 9	- 7	- 7	- 3	+ 4	+ 6	+ 4	+ 9	+ 7	+ 3	+ 1	+ 2	+ 2	+ 4	+ 3	+ 1	+ 1	0	- 1	0	- 1	- 3	610			
10		- 6	- 6	-11	- 8	- 6	- 5	- 6	- 6	- 8	- 1	+ 2	+ 4	+ 7	+10	+12	+14	+12	+12	+ 7	- 1	- 3	- 5	- 8	- 5	612			
11		- 6	- 8	- 9	-10	- 8	- 6	- 6	- 4	+ 1	+ 3	+ 4	+ 8	+10	+ 9	+11	+12	+12	+ 9	+ 5	0	- 2	- 6	- 7	- 5	615			
12		- 3	- 2	- 5	- 1	- 1	- 5	- 9	-13	- 9	- 4	- 2	+ 3	+ 9	+15	+11	+ 7	+ 7	+ 5	+ 2	- 2	- 2	- 2	- 1	+ 1	618			
13		+ 9	+ 6	+ 4	+ 2	0	- 3	- 4	- 3	- 3	0	+ 2	+ 2	+ 3	+ 5	+ 6	+ 6	+ 5	+ 3	+ 1	- 2	- 7	-14	-15	-15	614			
14		-14	-11	- 8	- 3	- 3	- 6	- 6	- 1	0	+ 2	+ 1	+ 4	+ 9	+11	+11	+11	+11	+ 8	+ 5	- 1	- 4	- 7	- 6	- 7	609			
15		- 6	- 4	- 1	- 3	- 2	- 3	- 2	- 1	- 1	+ 1	+ 2	0	+ 4	+ 6	+10	+ 8	+ 8	+ 6	+ 6	+ 3	- 1	- 5	- 9	- 9	609			
16		- 6	- 6	- 6	- 2	- 1	0	+ 1	+ 1	+ 1	0	+ 1	+ 2	+ 3	+ 4	+ 5	+10	+10	+ 9	+ 5	+ 1	- 2	- 8	-13	-16	608			
17		-14	-11	-10	- 7	- 6	- 3	- 2	- 1	+ 2	+ 2	+ 2	+ 2	+ 2	+ 4	+ 6	+ 8	+ 9	+ 9	+ 7	+ 5	+ 4	+ 2	0	- 4	606			
18		- 8	-11	- 9	- 8	- 8	- 6	- 3	- 2	- 1	- 1	+ 1	+ 3	+ 3	+ 3	+ 4	+ 6	+ 8	+ 7	+ 5	+ 6	+ 6	+ 6	+ 3	+ 3	607			
19		+ 2	- 1	- 3	- 6	- 6	- 6	- 4	- 3	- 2	- 2	- 4	- 1	+ 2	+ 6	+ 5	+ 5	+ 7	+ 8	+ 8	+ 5	+ 3	0	- 2	- 2	608			
20		- 2	- 6	- 8	- 6	- 4	- 3	+ 1	- 2	0	+ 3	+ 4	+ 4	+ 4	+ 6	+ 6	+ 6	+ 7	+ 7	+ 4	0	- 1	- 4	- 8	-10	606			
21		-13	-14	-13	- 8	- 4	- 3	- 2	0	+ 2	+ 4	+ 4	+ 5	+ 6	+ 5	+ 5	+ 5	+ 5	+ 5	+ 6	+ 4	+ 2	0	- 1	- 1	606			
22		+ 1	- 2	- 5	- 8	- 8	- 5	- 3	- 2	0	0	+ 2	+ 5	+ 6	+ 7	+ 7	+ 8	+ 7	+ 5	+ 2	- 1	- 1	- 1	- 3	- 5	603			
23		- 9	-11	-11	-11	-10	- 9	- 7	- 2	0	+ 2	+ 5	+ 6	+ 5	+ 6	+ 6	+ 7	+ 7	+ 6	+ 5	+ 2	+ 3	+ 5	+ 7	+ 9	603			
24		0	- 6	- 9	-11	-11	- 8	- 5	- 4	- 3	- 3	- 2	+ 1	+ 3	+ 5	+ 6	+ 6	+ 5	+ 5	+ 5	+ 6	+ 6	+ 3	0	+ 1	607			
25		+ 1	- 2	- 5	- 8	- 9	- 8	- 5	- 4	- 3	- 1	0	+ 1	+ 3	+ 5	+ 6	+ 5	+ 5	+ 2	0	- 2	+ 1	+ 3	+ 6	+ 4	607			
26		+ 4	+ 2	0	- 3	- 7	- 8	- 8	- 6	- 4	- 2	+ 2	+ 4	+ 6	+ 7	+ 7	+ 7	+ 6	+ 5	+ 2	0	- 3	- 4	- 3	- 3	603			
27		- 3	- 4	- 5	- 6	- 7	- 7	- 5	- 5	- 4	- 2	0	+ 2	+ 4	+ 6	+ 6	+ 6	+ 6	+ 5	+ 4	+ 2	- 2	- 2	+ 1	+ 4	602			
28		- 1	- 6	- 7	- 7	- 8	- 7	- 7	- 6	- 4	- 2	0	+ 1	+ 4	+ 6	+ 7	+ 7	+ 8	+ 8	+ 8	+ 7	+ 6	+ 3	- 2	- 4	601			
29		- 1	- 3	- 4	- 4	- 4	- 3	- 2	- 1	+ 1	+ 2	+ 4	+ 5	+ 7	+ 9	+10	+12	+12	+ 8	+ 2	- 3	- 9	-12	-11	-10	595			
30		- 7	- 7	- 6	- 6	- 6	- 4	- 1	- 1	0	+ 2	+ 2	+ 4	+ 6	+ 8	+ 9	+11	+12	+10	+ 3	- 5	- 9	- 8	- 3	- 1	595			
31		0	- 1	- 2	- 1	- 1	- 1	0	+ 1	+ 1	0	+ 3	+ 5	+ 6	+ 8	+12	+12	+12	+ 9	+ 4	- 1	- 8	-14	-19	-18	593			
MEAN.		- 6	- 7	- 8	- 7	- 7	- 6	- 4	- 3	- 1	+ 1	+ 2	+ 4	+ 5	+ 7	+ 8	+ 8	+ 9	+ 8	+ 6	+ 2	0	- 3	- 5	- 5	606			

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G.M.T. (Z = 20000γ + Mean + ...) November 1947.

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		-20	-15	-11	- 8	- 6	- 6	- 4	- 4	- 2	0	0	+ 2	+ 3	+ 4	+ 5	+ 6	+ 5	+ 8	+ 8	+ 8	+ 7	+ 4	+ 4	+ 5	597			
2		+ 2	+ 3	- 2	- 7	- 7	- 4	- 2	- 2	- 1	- 1	- 1	- 1	+ 1	+ 2	+ 2	+ 4	+ 6	+ 7	+ 7	+ 5	+ 2	- 5	- 9	- 9	600			
3		- 8	-12	-11	- 9	- 8	- 6	- 3	- 3	- 1	0	0	0	0	+ 2	+ 3	+ 6	+ 8	+ 8	+ 8	+ 6	+ 6	+ 6	+ 8	+ 8	596			
4		+ 2	+ 1	- 2	- 4	- 7	- 7	- 5	- 3	- 2	- 1	- 1	- 1	0	- 1	- 2	+ 1	+ 2	+ 2	+ 2	+ 2	+ 2	+ 4	+ 4	+ 4	600			
5		+ 4	+ 4	- 1	- 4	- 5	- 6	- 5	- 4	- 2	- 1	- 1	0	+ 1	+ 2	+ 1	+ 1	+ 1	+ 1	0	+ 2	+ 2	+ 1	+ 2	+ 4	600			
6		+ 5	- 1	- 4	-10	-11	- 9	- 6	- 4	- 1	+ 1	+ 3	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 4	+10	- 2	- 4	- 2	+ 1	+ 3	597			
7		+ 3	- 2	- 4	- 7	- 9	- 9	- 6	- 3	0	+ 2	+ 4	+ 5	+ 6	+ 7	+ 7	+ 6	+ 4	+ 3	+ 1	- 2	- 2	- 2	+ 1	+ 5	595			
8		+ 9	+ 9	+ 3	- 2	- 6	- 8	- 8	- 6	- 5	- 2	+ 1	+ 2	+ 5	+ 7	+ 8	+10	+ 9	+ 4	- 1	- 4	- 7	- 9	- 8	- 6	597			
9		- 4	- 2	- 4	- 6	- 6	- 5	- 1	+ 1	+ 3	+ 9	+ 8	+ 9	+ 7	- 2	+ 7	+ 5	+ 8	+ 5	+ 3	- 5	- 7	- 2	- 9	- 4	596			
10		- 6	- 7	- 6	- 4	- 4	- 3	- 1	0	+ 2	+ 3	+ 3	+ 5	+ 5	+12	+11	+ 9	+ 7	+ 3	+ 2	- 6	- 9	-12	- 9	- 4	607			
11		- 1	- 2	- 2	- 1	- 3	- 4	- 1	+ 3	+ 2	0	+ 3	+ 3	+ 4	+ 5	+12	+ 9	+ 8	+ 8	+ 2	- 6	-11	-12	-14	-14	604			
12		-10	-12	-10	- 4	- 4	- 4	0	+ 1	+ 2	+ 4	+ 4	+ 5	+ 7	+ 9	+11	+11	+11	+ 8	+ 4	- 2	- 5	- 6	- 4	- 5	602			
13		- 5	- 8	-10	- 8	- 5	- 3	- 1	0	0	0	0	+ 1	+ 3	+ 5	+ 6	+ 7	+ 9	+ 7	+ 6	+ 1	- 2	- 4	- 2	- 2	603			
14		+ 1	- 1	- 1	- 4	- 5	- 4	- 2	- 1	0	0	- 1	- 1	+ 2	+ 3	+ 4	+ 6	+ 7	+ 5	+ 2	- 1	- 4	- 6	- 5	- 2	602			
15		+ 2	+ 3	- 2	- 4	- 1	0	+ 1	+ 1	+ 1	+ 1	+ 1	+ 1	+ 1	+ 5	+ 7	+ 8	+ 7	+ 5	+ 1	- 4	- 7	- 9	- 7	- 4	602			
16		+ 1	+ 3	+ 3	- 1	- 3	- 2	0	+ 1	0	+ 1	+ 3	+ 3	+ 1	+ 3	+ 4	+ 4	+ 6	+ 6	+ 3	- 1	- 3	- 6	-11	-11	603			
17		- 5	- 5	- 6	- 8	- 8	- 6	- 5	- 2	- 1	+ 1	+ 1	+ 1	+ 1	+ 3	+ 4	+ 4	+ 6	+ 5	+ 3	+ 1	+ 1	+ 2	+ 3	+ 6	600			
18		+ 8	+ 7	+ 2	- 2	- 5	- 5	- 2	- 1	- 1	+ 1	+ 4	+ 4	+ 5	+ 5	+ 5	+ 7	+ 7	+ 4	+ 1	- 1	- 7	- 9	-12	-15	599			
19		-15	-13	-12	-10	-10	-11	- 8	- 7	- 4	0	+ 6	+11	+11	+11	+13	+13	+15	+13	+ 7	+ 2	- 1	- 5	- 2	+ 2	595			
20		- 1	- 3	- 5	- 4	- 6	- 6	- 3	- 1	0	+ 2	+ 3	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 4	+ 2	- 1	- 3	- 4	0	0	600			
21		- 2	- 6	- 8	-13	-15	-13	- 9	- 2	- 2	0	+ 1	+ 3	+ 5	+ 5	+ 6	+ 6	+ 7	+ 5	+ 3	+ 3	+ 3	+ 4	+ 7	+ 6	599			
22		+ 1	- 5	- 7	- 8	- 7	- 5	- 1	+ 2	+ 3	+ 4	+ 5	+ 4	+ 6	+ 6	+ 6	+ 7	+ 6	+ 5	+ 3	- 3	- 6	-10	- 5	+ 5	599			
23		+ 6	0	- 5	- 2	- 4	- 4	- 2	- 3	- 4	+ 2	+ 5	+ 7	+ 8	+10	+10	+ 9	+ 7	+ 5	+ 1	- 4	- 8	-14	-17	-10	598			
24		- 8	- 6	- 7	- 8	- 9	- 7	- 3	- 1	+ 1	+ 4	+ 6	+ 8	+ 9	+10	+10	+ 9	+ 9	+ 8	+ 2	- 7	- 9	- 9	- 3	0	596			
25		- 1	- 2	- 2	- 3	- 3	- 5	- 3	- 2	0	+ 1	+ 3	+ 6	+ 8	+ 9	+10	+11	+11	+ 8	+ 5	0	- 5	-14	-15	-11	597			
26		- 9	- 5	- 3	- 4	- 3	- 4	- 3	- 2	- 1	0	+ 1	+ 2	+ 5	+ 6	+ 7	+ 7	+ 6	+ 3	0	- 2	- 5	- 3	+ 2	+ 6	599			
27		+ 8	+ 7	+ 6	+ 3	+ 1	- 1	- 1	- 1	- 1	+ 1	+ 1	+ 2	+ 4	+ 4	+ 5	+ 7	+ 7	+ 4	- 1	- 7	-12	-17	-15	-10	601			
28		- 1	0	- 2	- 5	- 8	- 9	- 7	- 4	- 2	- 1	+ 1	+ 2	+ 5	+ 7	+ 7	+ 8	+ 8	+ 7	+ 4	- 2	- 4	- 4	- 2	+ 2	595			
29		- 1	+ 1	+ 1	+ 1	- 4	- 3	- 2	- 1	- 1	- 1	- 1	- 1	+ 1	+ 4	+ 4	+ 7	+ 7	+ 4	- 2	- 8	- 6	- 4	- 1	+ 1	601			
30		+ 6	+ 4	0	- 5	- 5	- 5	- 3	0	+ 1	+ 1	+ 1	+ 1	+ 3	+ 4	+ 6	+ 7	+ 9	+ 8	+ 4	- 5	- 7	-12	- 6	0	596			
31																													
MEAN.		- 1	- 2	- 4	- 5	- 6	- 5	- 3	- 2	- 1	+ 1	+ 2	+ 3	+ 4	+ 5	+ 6	+ 7	+ 7	+ 6	+ 3	- 1	- 4	- 5	- 4	- 2	599			

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VERTICAL INTENSITY

G.M.T. (Z = 20000γ + Mean + ...) December 1947.

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	- 3	- 5	- 5	- 2	0	+ 1	+ 4	+ 4	0	+ 1	+ 2	+ 3	+ 5	+ 6	+ 6	+ 6	+ 2	- 5	- 8	- 9	- 5	0	597			
2		+ 3	+ 6	+ 4	- 2	- 4	- 5	- 2	- 1	0	0	+ 1	- 2	- 1	0	+ 1	+ 4	+ 5	+ 6	+ 4	0	- 4	- 3	+ 1	+ 1	597			
3		0	- 2	- 3	- 5	- 5	- 6	- 5	- 3	0	+ 3	+ 3	+ 3	+ 1	+ 2	+ 2	+ 2	+ 2	- 1	- 6	+ 4	+ 4	+ 5	+ 7	+ 8	598			
4		+ 7	+ 8	+ 5	0	- 3	- 3	0	+ 1	+ 1	+ 2	0	0	- 2	- 4	- 4	- 5	- 3	+ 1	+ 2	+ 2	+ 1	- 2	- 4	- 6	601			
5		- 3	- 5	- 3	- 5	- 8	- 7	- 4	- 2	+ 1	+ 1	+ 1	+ 3	+ 4	+ 3	+ 5	+ 4	+ 3	+ 3	+ 3	0	+ 1	+ 1	+ 2	+ 3	597			
6		+ 3	- 6	- 8	- 9	- 9	- 9	- 5	- 2	0	+ 1	+ 3	+ 3	+ 5	+ 4	+ 5	+ 5	+ 4	+ 3	+ 3	- 1	- 2	0	+ 1	+ 1	597			
7		- 3	- 3	- 6	- 9	-12	-12	- 9	- 6	- 4	- 3	- 1	+ 1	+ 2	+ 2	+ 3	+ 2	+ 2	+ 2	+ 2	+ 2	+ 8	+11	+13	+10	601			
8		+ 7	- 1	- 1	0	- 1	- 2	- 4	- 4	- 1	- 1	+ 1	+ 1	+ 2	+ 4	+ 5	+ 6	+ 4	+ 4	+ 3	- 2	- 5	- 7	-10	- 7	599			
9		+ 2	+ 5	+ 4	0	+ 1	- 2	- 3	- 3	- 3	- 3	- 1	+ 1	+ 1	+ 4	+ 3	+ 1	+ 1	0	- 4	- 7	- 7	- 2	+ 4	+ 8	601			
10		+10	+ 9	+ 4	0	- 1	- 2	- 3	- 4	- 4	- 4	0	0	+ 1	+ 3	+ 3	+ 3	+ 4	+ 5	+ 3	0	- 4	- 8	- 7	- 4	602			
11		0	+ 1	- 3	- 2	- 1	- 2	- 3	- 3	- 3	- 5	- 5	- 4	- 3	- 2	0	+ 2	+ 1	+ 3	+ 4	+ 3	+ 1	+ 3	+ 6	+ 4	605			
12		+ 5	+ 2	- 3	- 6	- 7	- 6	- 5	- 3	- 4	- 3	- 3	- 2	+ 1	+ 3	+ 4	+ 7	+ 7	+ 7	+ 4	+ 1	- 1	- 3	- 3	- 1	601			
13		+ 6	+ 9	+ 4	+ 1	- 2	- 4	- 4	- 2	- 2	- 4	- 1	- 1	+ 1	+ 3	+ 6	+ 6	+ 7	+ 6	+ 1	- 4	- 7	- 6	- 2	- 1	599			
14		+ 3	+ 2	- 1	- 2	- 5	- 4	- 4	- 2	- 1	- 2	- 1	0	+ 1	+ 2	+ 5	+ 7	+ 7	+10	+ 7	+ 2	- 4	- 7	- 5	- 1	596			
15		- 2	- 1	0	0	0	0	0	+ 1	+ 2	0	+ 1	+ 2	+ 3	+ 4	+ 5	+ 6	+ 6	+ 7	+ 4	- 1	- 8	- 9	- 6	- 2	598			
16		+ 3	+ 2	+ 1	- 1	- 4	- 5	- 3	- 2	- 2	- 1	+ 1	+ 1	+ 2	+ 3	+ 4	+ 5	+ 5	+ 5	+ 3	- 1	- 3	- 5	- 2	+ 1	597			
17		+ 5	+ 3	- 2	- 4	- 5	- 6	- 5	- 4	- 2	- 2	0	- 1	- 1	- 1	0	+ 1	+ 3	+ 5	+ 5	+ 5	+ 5	+ 3	+ 2	+ 3	597			
18		+ 5	+ 1	- 4	- 6	- 6	- 6	- 5	- 3	- 2	- 2	0	- 1	- 2	0	+ 1	+ 2	+ 3	+ 5	+ 4	+ 1	- 1	- 1	+ 4	+ 8	597			
19		+ 4	+ 1	- 1	- 4	-10	-11	- 7	- 7	- 4	- 3	- 2	- 1	- 1	- 1	0	0	+ 1	+ 2	+ 1	0	+ 1	+ 6	+15	+23	599			
20		+18	+10	- 1	- 5	- 8	- 9	-10	- 9	- 8	- 7	- 7	- 6	- 6	- 5	- 5	- 5	- 6	- 4	0	+ 8	+ 8	+14	+19	+25	606			
21		+22	+14	+ 7	+ 3	- 2	- 5	- 7	- 7	- 7	- 6	- 6	- 6	- 6	- 6	- 6	- 6	- 5	- 5	- 3	0	+ 3	+ 7	+11	+17	607			
22		+22	+17	+10	+ 6	+ 2	- 3	- 4	- 5	- 3	- 2	- 2	- 1	- 1	- 2	- 3	- 3	- 4	- 5	- 5	- 4	- 2	- 3	+ 1	+ 5	603			
23		+ 8	+ 3	0	- 2	- 3	- 3	- 2	0	+ 2	+ 5	+ 6	+ 6	+ 8	+ 9	+ 9	+ 5	+ 5	+ 3	+ 1	- 2	- 8	-11	-16	-18	597			
24		-19	-16	- 8	- 4	- 4	- 5	- 4	- 1	0	+ 2	+ 2	+ 5	+ 6	+ 6	+ 6	+ 7	+ 6	+ 5	+ 4	+ 3	0	- 1	+ 2	+ 4	596			
25		+ 4	+ 4	- 1	- 4	- 5	- 7	- 7	- 5	- 4	- 2	0	+ 2	+ 4	+ 6	+ 6	+ 6	+ 4	+ 1	- 4	- 7	- 5	- 4	+ 2	+ 9	596			
26		+ 9	+ 6	+ 1	- 1	- 4	- 6	- 7	- 7	- 8	- 7	- 5	- 3	- 1	+ 1	+ 3	+ 3	+ 3	+ 2	- 2	- 4	- 4	+ 2	+ 9	+11	599			
27		+12	+13	+10	+ 6	+ 2	- 1	- 1	- 1	- 1	- 1	+ 1	+ 1	+ 2	+ 6	+ 7	+ 9	+ 7	+ 4	- 4	-14	-19	-21	-15	-10	596			
28		- 2	+ 3	+ 6	+ 3	- 3	- 4	- 2	- 1	0	0	+ 1	+ 2	+ 4	+ 6	+ 7	+ 8	+ 8	+ 4	- 2	- 7	-10	- 9	-11	- 3	592			
29		+ 1	+ 3	+ 1	- 2	- 1	- 2	- 1	- 1	0	+ 1	+ 1	+ 1	+ 3	+ 3	+ 6	+ 7	+ 8	+ 7	0	- 6	-10	- 8	- 3	+ 1	591			
30		- 1	0	- 2	- 5	- 6	- 5	- 5	- 4	- 3	- 3	- 3	- 2	- 2	- 1	+ 1	+ 3	+ 4	+ 5	+ 4	0	+ 4	+ 6	+ 9	+12	594			
31		+14	+12	+ 9	+ 6	+ 1	- 2	- 2	- 2	- 2	- 2	- 2	- 2	- 3	- 3	- 1	0	+ 1	+ 2	+ 1	- 2	- 7	-10	-10	- 7	596			
MEAN.		+ 5	+ 3	+ 1	- 2	- 4	- 5	- 4	- 3	- 2	- 1	- 1	0	+ 1	+ 2	+ 3	+ 3	+ 3	+ 3	+ 1	- 1	- 3	- 2	0	+ 3	598			

Meteorological Report, 1947.

Notes on Observations and Instruments.

The observations comprised visual observations of the meteorological elements and the usual instruments; continuous autographic records of air temperature, pressure, humidity, rainfall, 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., 1.0 p.m., 3.0 p.m. and 7.0 p.m., and on 1st March additional observations were commenced at 10.0 a.m., 4.0 p.m., and 10.0 p.m. Only the 9.0 a.m. and 3.0 p.m. observations, which continued the series for climatological purposes, are published in this report. The reports at the other hours were for synoptic purposes.

The synoptic programme was carried out under the direction of the Director of Meteorological Services, Wellington, New Zealand, and this work included the transmission of three weather collectives daily and the supervision of three outlying stations in the Tokelau Group, Atafu, Fakaofo and Nukunono. The broadcast of the weather collectives however, ceased on 15th July, and the information is now included in the collectives broadcast by Nandi, Fiji.

Cloud:

The observations of cloud form were made in accordance with international classification, the abridged edition (1932) of the International Cloud 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 appearance of Ac with parts like As, or As with parts like Ac, has been entered in the tables as Ac-As.

The amount of sky covered with cloud was estimated and recorded in tenths.

Weather and State of the Sky:

The weather and state of the sky have been de-

scribed by the use of the Beaufort letters and the addition of a few other symbols having the following meanings:

The suffix 0 indicates "slight".

The suffix 2 indicates "heavy".

The letter "i" indicates "intermittent".

The letter "j" indicates "within sight but not at station".

An oblique dash "/" indicates "within the preceding hour".

In this present volume b, bc, c and o are used to indicate total amounts of cloud of 0-2, 3-6, 7-8 and 9-10 tenths respectively.

Visibility:

The method of determining visibility was, as nearly as possible, in accordance with that described in the Meteorological Observers' Handbook, 1942, page 58. The reference points used were the same as fully described in the 1944 Annual Report.

Wind:

The wind speed and direction were measured as in former years by means of a Dines pressure tube anemometer. The vane is at a height of 80 feet above the ground to avoid the sheltering effect of the trees.

Pressure:

The standard barometer in use is a Kew pattern station model instrument, G3939. The corrections for temperature, gravity and reduction to mean sea level were made by means of a correction card computed at the Observatory. For the range of pressure recorded, the instrument has no index error.

A continuous record of pressure was obtained from a barograph, Grand Model No. 102030, made by Jules Richard of Paris. The barograms were scaled to exact hours of zone time, the readings being instantaneous values at those hours, and suitable corrections were applied. The corrections were known at the

times of the control readings, (nine per day), and it was assumed that the corrections were linear during the interval between control readings.

Both instruments are housed in the wooden meteorological office building and the barometer cistern is 8 feet above M.S.L.

Temperature:

A set of four sheathed Fahrenheit thermometers, exposed in a Bilham modification of the Stevenson screen, is in use. The thermograph and hygrograph are housed in a nearby Stevenson screen of standard pattern.

The thermograms were scaled in a similar manner to the barograms.

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 inch above the ground. The thermometer was read and reset at 9.0 a.m. The maximum and minimum thermometers were also read and reset at 9.0 a.m. each day. The entries in the tables in this report were made in such a way that the readings at 9.0 a.m. of the maximum thermometer were credited to the preceding day while minimum readings were credited to the day on which they were read.

Humidity:

The relative humidity of the air was derived from the readings of the dry and wet bulb thermometers exposed in the screen using the tables of the New Zealand Meteorological Service (N.Z. Meteor Form No. 82). These are based on the same fundamental data as Hygrometric Tables M.O. 265 (1927) to which reference is made for saturation vapour pressures when deducing the actual vapour pressure from the dry bulb temperature and the calculated relative humidity.

A continuous record of humidity was also obtained from the hair hygrograph. The chart was changed once a week and instantaneous values were read from the chart at exact hours of zone time. Corrections were applied for all differences from the control readings of the dry and wet bulb thermometers.

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 M.O. pattern gauge. The diameter of the rim of this gauge is 5 inches and it is 12 inches above the level of the ground. This gauge is also used as the standard instrument. The rain collected in the inner vessel is measured by means of a tapered glass measure at 9.0 a.m., each measurement being credited to the previous day in the tables.

A third rain gauge, which was constructed by Fuess, and which prior to 1947 was used as the standard, has a rim 15.95 centimetres in diameter. Its height about the ground is 65 centimetres (25½ inches).

In order to avoid loss of records during torrential downpours, measurements were also obtained from a tropical Fuess rain gauge which has a very large internal capacity.

The rain gauges are exposed in an open grass plot 6 feet above M.S.L., and are free from shielding.

Sunshine:

The Campbell-Stokes sunshine recorder, M.O.265, is mounted on a wooden platform near the sea. The exposure is good, the loss of record being negligible.

Evaporation:

The instrument in use to measure evaporation is a Piche evaporimeter which is exposed in a small Bilham modification of the Stevenson screen. It consists of a graduated glass tube which is filled with water and hangs mouth down. Evaporation takes place from a small disc of absorbent paper which is clamped over the mouth of the tube and the fall of the level of the water inside the tube is measured. The effective area for evaporation is approximately 10.59 square centimetres. The volume of the water evaporated has been divided by the exposed area of the paper disc to give the equivalent depth of water evaporated

and the depth has been expressed in inches to three decimal places in the tables and credited to the previous day.

Miscellaneous Notes:

Non-cyclic change:

In the tables of temperature and pressure the means of hourly values have been adjusted for non-cyclic change. The following formula, which is applicable when the period under consideration is a continuous series of consecutive days, was employed:

$$N = \frac{1}{R}\left(R^{a}24 - 1^{a}o\right)$$

where:

$1^{a}o$ = the mean value of the element at the first midnight of the first day.

$R^{a}24$ = the mean value of the element at the second midnight of the last day.

R = the number of days used for the computation, and the correction applied to the mean for the t'th hour is:

$$\frac{12 - t}{24} N$$

Time:

The time standard used for all meteorological tables is that of the meridian 165°W of Greenwich, (i.e. zone time, which is 11 hours slow on Greenwich time).

Seasons:

In the tables where values are given for the wet and dry seasons they refer to the following groups of months:

Wet Season - November 1946 to February 1947 (incl.)

Dry Season - May 1947 to August 1947 (incl.)

Normals:

The normal values of temperature, pressure and rainfall used in this report were taken over the period 1890-1945, while the normals for sunshine cover the period 1924-1945.

Exposure:

The three instrument screens in use are at a height of 3½ feet above ground level and 9½ feet above M.S.L.

Meteorological Instruments

in use during 1947.

Anemometer: Dines pressure tube No. 233 supplied by R.W. Munro of London, 1933.

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

Barometers: (1) Kew pattern station model mercury barometer, No. G3939, standard.

(11) Fortin pattern by Casella, No. 3300.

Evaporimeter: Piche.

Hygrograph: Casella No. 1141 (M.O. 195/32).
(Replaced by Wilson, Warden No. 1038/45, 3rd March).

Raingauges: (1) Casella No. 1593/32 M.O. gauge, 5".
(11) Fuess gauge.
(111) Dines tilting syphon gauge, No. M.O. 28/37.
(1V) Fuess tropical gauge for exceptional precipitation.

Sunshine Recorder:

Campbell Stokes pattern by J. Hicks, London, No. M.O. 265/30; sphere No. M.O. 355/30.

Thermograph: Short and Mason bi-metallic, No. D19641.
(Replaced by Short and Mason No. 45, 3rd March).

Thermometers: Grass minimum, Negretti and Zambra, No. 61521/40.

(In screen):

Dry bulb, Negretti and Zambra, No.72326/42.

Wet bulb, Negretti and Zambra, No.72327/42.

Maximum, Negretti and Zambra, No. 30753.

Minimum, Negretti and Zambra, No. 61546.

NOTES ON THE WEATHER OF 1947

AT APIA OBSERVATORY

January:

Twenty three rain days made January a typical wet season month, although the total rainfall was 1.24" below normal. A very heavy fall of rain of 8.64" was recorded on the 6th. when a vigorous quasi-stationary front lay across Samoa. The following day, a tropical cyclone formed on this front to the south-west of Samoa and moved away to the north and west of the Fiji Group. Due to the influence of a second tropical cyclone which formed on the 29th. to the south of Samoa, pressure was low on the last three days of the month. Winds during the month were predominantly light E to SE, but the maximum gust of 41 m.p.h. came from the NW on the 29th. The various elements showed only moderate departures from normals, although sunshine was 34.9 hours above normal.

February:

Frontal activity at the beginning and middle of the month was responsible for falls of rain of 2.87" and 1.87" on the 1st. and 14th. respectively, but as was the case in January, the monthly fall was again below normal with a negative departure of 4.61". Winds were mainly from the W and NW, the highest gust being 35 m.p.h. from the NW. The mean temperature of 81.23°F showed a departure from normal of +1.8°F, and the mean maximum temperature, +1.7°F. The mean relative humidity of 82% was 3% below normal.

March:

The Group was affected on two occasions early in the month by the equatorial front, and on the 24th. a cold front became quasi-stationary just south of Samoa giving moderate rain over the Group. The total fall of 13.40" however, was well distributed throughout the month, and was only a few points below normal. Thunderstorms were frequent during March, there being a total of 14, mainly of moderate intensity. Winds in the main were light and from an E quarter, the highest gust being 42 m.p.h. from the SE. The absolute maximum temperature for March, 91.0°F on the 19th., was the highest maximum for March since 1916.

April:

April was a very settled and typical dry season month and was noteworthy for appreciable departures from normals in some elements. The mean maximum temperature of 88.9°F was 3.3°F above normal and was the highest mean monthly maximum temperature since observations were commenced in 1890. The mean dry bulb temperature was +1.7°F; sunshine showed a positive departure of 28.3 hours, and the monthly rainfall of only 4.78" was 5.08" below normal. Light E winds were again predominant, the highest squall reaching a velocity of 48 m.p.h. from the E. Thunder was heard on 12 occasions during the month, although the majority of these storms were some distance out to sea. There was little frontal activity in the area - fronts that did approach Samoa were comparatively weak. As is to be expected the mean monthly relative humidity was low - 78%, this figure being 5% below normal for April.

May:

The weather in May was mainly fair to cloudy, but on the 9th. a "low" formed on a quasi-stationary front in the area, and for three days heavy rain and strong NW winds were experienced. These conditions brought the total rainfall of 10.26" to 3.80" above normal. Moderate to strong and squally W to NW conditions followed for almost a week, and moderate rain fell until the front moved off to the south. The highest gust of wind during the month was 42 m.p.h. from the NNW. The mean temperature of 78.9°F showed a departure from normal of +1.3°F, while the mean maximum temperature of 87.0°F was 1.7°F above normal.

June:

The rainfall in June, 11.88", due to a succession of fronts was exceptionally high, being 7.02" above normal. The number of rain days, 19, was almost double the normal, and the hourly fall of 1.50" was the greatest for June during an hourly period since 1936 and the second highest since 1931 when hourly values were first tabulated. The daily cloud amount was also relatively high, being 1.1 tenths above normal, consequently the total amount of sunshine was 22.3 hours below normal. The mean maximum temperature of 86.5°F showed a departure from normal of +2.1°F however, and the mean dry bulb temperature was 1.5°F above normal. Winds during the month were consistently light easterlies, the highest gust of 41 m.p.h. being from the SE.

The number of thunderstorms, 9 during the period, was unusually high for a dry season month.

July:

Moderate to strong E to ESE winds, associated with some heavy squalls and showers, were prominent during July, particularly in the afternoons. In the mornings however, the winds were mainly light to moderate from the same directions tending occasionally towards S to SW. The particularly heavy rainfall for a dry season month, 8.35", was 4.97" above normal, and was fairly evenly distributed throughout the month. The result was an extremely high number of rain-days, 23, exceeding the normal by 11. Pressure was relatively high during the latter half of the month, and the mean maximum temperature of 86.3°F exceeded the normal by 2.5°F. The other elements showed only small departures.

August:

The month of August was cloudy during the daytime but mainly clear at night. Middle and high cloud predominated however, and little rain fell, the total of 3.03" being 0.76" below normal. Sunshine showed a negative departure of 28.7 hours for the month, while the mean amount of cloud at 9 a.m., 6.0 tenths, was 1.5 tenths above normal. Moderate to strong E winds predominated throughout the month and the highest gust was 45 m.p.h. from the SE on the 2nd. The mean maximum temperature of 85.8°F was 1.7° above normal and the absolute maximum of 88.7°F on the 30th. was the highest recorded for August since 1924. Thunder was heard on only two occasions throughout the month.

September:

Although the total sunshine for the month of 240 hours was 11 hours above normal, September was very wet for a dry season month, the monthly fall of 10.23" exceeding the normal by 4.77". The majority of this rain was brought by a quasi-stationary front which remained in the Samoa area for about five days at the end of the month. Some thunderstorms accompanied this front, and there was a total of 8 days of thunder altogether during the month which was also high for September. The winds were mainly moderate E to ESE in the mornings but they freshened usually to force 5 or 6 by the afternoons. The mean maximum temperature, 86.3°F was 2.0°F above normal.

October:

Very little rain fell during the first half of the month, and more than half of the total of 7.59" fell on the 17th. There was also a heavy fall of 1.22" on the 31st. Otherwise the weather was fair with only occasional showers and six thunderstorms. The prevailing E winds were generally light, there being only one squall of over 40 m.p.h. For a period of two days in the first week of the month, the air was extremely dry, the relative humidity averaging about 58% during the latter part of the mornings and early afternoons. On the 6th. the relative humidity fell to 48% at 1 p.m. Barometric pressure showed little departure from normal, but was inclined to be relatively low towards the end of the month.

November:

The outstanding feature of this month's weather was the high number of rain-days totalling 23, which is 5 more than is usual for November. The rainfall showed a corresponding departure from normal, the total of 12.92" being 2.59" in excess of the normal figure. The maximum daily fall of 2.88" on the 8th. was associated with the inter-tropical front which moved down across Samoa and remained in the area for a number of days. Frontal activity was marked throughout the month.

Extremes of temperature recorded were 88.5°F on the 4th. and 72.7°F on the 6th. and 27th., and 66.6°F was the lowest value recorded on the grass. The mean temperature, taken from 24 hourly values, showed little departure from normal.

Winds were on the whole light and variable with a mean velocity of 3.8 m.p.h., the highest gust recorded being 31 m.p.h. from the NNW.

Hourly values of pressure and humidity showed no departure from normal for the month, but there were 14.8 hours of sunshine in excess of normal. There were 8 days of thunder.

December:

Frequent and extremely heavy showers were a prominent feature of the weather during this month, resulting in the excessive total rainfall of 18.44",

which is 4.50" above normal. Frontal activity was marked, there being vigorous fronts in the area for a considerable portion of the period. Eleven days of thunder brought the total number of days for the year to 106 which is extremely high for this area.

The mean cloudiness at 9 a.m., 8.2 tenths, is the second highest for December since observations were commenced in 1890. The total hours of sunshine was consequently 16.2 hours below normal, the mean amount per day being only 5.5 hours.

Temperatures varied but little from the normal figures, the absolute maximum and minimum being respectively 87.9°F on the 23rd. and 71.8°F on the 14th. The maximum was the lowest extreme monthly temperature for the year.

F.000/7/32—3911]

METEOROLOGICAL OBSERVATIONS.

APIA OBSERVATORY — 9 a.m. January 1947.

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 (°F).	Wet Bulb (°F).	Relative Humidity (%).	Vapour Pressure (Millibars).	UPPER CLOUD. Type observed.	Direction whence coming.	Speed : Height Ratio.
1	Cu	Ac	Ci	1	8	3000		c	c	9	NNW	1	1009.6	85.8	80.2	77	32.9			
2	Cu	-	Ci	2	8	2500		bcjpojr	c	9	WNW	2	1008.7	84.2	79.5	80	32.1			
3	Cb-Sc	Ac	-	8	8	2500		cjpop	cjp	8	ENE	2	1008.5	83.5	79.0	81	31.8			
4	Cu	Ac	Ci	1	4	3000		optcbc	bc	9	WNW	1	1009.4	83.2	79.0	82	31.8			
5	Cu	-	Ci	2	2	3000		bccjp	b	9	WNW	1	1009.1	85.0	79.1	76	31.4			
6	Cb-Sc	As-Ac	-	5	10	2500		or	ojp	8	W	2	1006.0	78.6	74.8	83	28.2			
7	Cb-Sc	Ac-As	-	5	10	1500		or2qlt	ojp	8	NE	4	1008.9	83.0	78.2	80	30.8			
8	Cu-Sc	Ac	Ci	2	3	3000		ocbcp	bc	9	E	4	1009.3	85.0	78.0	72	29.6			
9	Cu	Ac	Ci	1	6	3000		bcp	bc	9	E	4	1009.4	85.2	78.6	73	30.2			
10	Cu-Cb	-	Ci	6	7	2000		bccp	cjp	8	E	6	1007.8	84.5	79.0	78	31.5			
11	Cu-Sc	As	Ci	5	9	2000		bcjp	ojp	8	ESE	2	1008.5	82.1	78.7	85	31.9			
12	Cu-Cb	Ac	-	3	5	2500		or	bcjp	8	E	3	1008.8	85.7	80.3	78	33.3			
13	Sc-Cb	Ac	Cs	5	8	2000		cjp	cjp	8	E	3	1009.2	84.0	79.2	80	31.9			
14	Fs-Cb	As	Ci	3	9+	500		bcolp	otlp	8	ESE	3	1009.6	83.0	79.0	83	32.1			
15	Cu	As	Ci	Tr.	9+	2500		otjp	o	9	ESE	4	1009.6	86.0	79.2	76	31.0			
16	Cb-Cu	As	Ci	Tr.	9+	2000		bcjp	ojp	9	S	1	1009.5	81.0	78.0	87	31.4			
17	Cu	Ac	Cs	1	6	2500		cjp	bcjp	8	ESE	5	1008.6	86.2	80.2	76	32.3			
18	Cu	Ac	Ci	2	7	2500		cjpolp	c	9	SE	2	1010.6	86.0	80.9	79	33.7			
19	Cb-Sc	Ac	Ci	6	8	2000		bccpl	cjp	9	E	2	1010.9	82.0	77.9	82	30.8			
20	Cu	Ac	Ci	2	6	2500		cp	bc	9	Calm	0	1010.1	84.7	79.0	77	31.7			
21	Cu	-	Ci	2	4	2500		bc	bc	9	ESE	1	1010.2	86.1	79.3	73	31.0			
22	Cu	Ac	Ci	3	8	2500		c	cjp	9	Calm	0	1010.5	85.7	79.7	76	32.3			
23	Cb-Cu	As	-	5	9+	1000		opl	ojp/t	9	ESE	2	1010.6	78.5	77.0	93	31.0			
24	Cu-Cb	Ac	Ci	2	7	2500		cjp	cjp	9	Calm	0	1009.4	85.2	79.1	75	31.0			
25	Cu	Ac-As	-	2	9	2500		ojrqp	o	8	Calm	0	1009.9	82.2	78.9	85	32.0			
26	Cu	Ac	Ci	2	8	2500		ojp	c	9	ESE	2	1009.4	85.3	79.5	76	31.5			
27	Cu-Cb	Ac	Ci	2	4	2500		cjpbc	bc	9	Calm	0	1009.0	84.5	79.2	78	31.7			
28	Cu	Ac-As	Ci	Tr.	8	3000		ojpltr	c	9	Calm	0	1006.7	78.9	76.8	90	30.7			
29	Sc-Fs	As	-	3	10	2000		ojppqr	or	8	WSW	2	1005.0	76.8	75.8	95	30.2			
30	Cu	As	Ci	1	9	2500		oprqo	o	9	Calm	0	1001.6	80.9	78.6	90	32.5			
31	Cu	Ac-As	Ci	2	8	2500		cotlp	c	9	WNW	2	1003.9	82.7	78.8	84	32.3			
Means	-	-	-	2.7	7.5	2400		-	-	9	-	2	1008.6	83.4	78.7	81	31.5			

1,000/7/32—3911] APIA OBSERVATORY

METEOROLOGICAL OBSERVATIONS.

3 p.m. January 1947.

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.I. (Millibars).	TEMPERATURE AND HUMIDITY. Dry Bulb (°F).	Wet Bulb (°F).	Relative Humidity (%).	Vapour Pressure (Millibars).	UPPER CLOUD. Type observed.	Direction whence coming.	Speed; Height Ratio.
1	Cu-Cb	-	Ci	4	6	2500		c	bcjp	9	NE	1	1007.7	86.5	80.4	75	32.7			
2	Cu-Cb	As-Ac	-	4	9+	2500		ct	ojr	9	NW	1	1006.2	85.3	79.2	75	31.0			
3	Sc-Cb	Ac	Cs	5	8	2500		cjp	cjp	8	N	2	1006.3	85.5	80.9	81	33.9			
4	Cu-Sc	Ac	Cs	3	6	3000		bc	bc	9	NNE	2	1007.0	86.9	81.0	77	33.7			
5	Cb-Sc	-	Ci	7	9	2000		bbc	ojp	9	NNW	2	1006.0	84.7	79.2	78	32.0			
6	Fs	As	-	2	10	1000		ojporo	or	6	SSW	2	1004.8	75.9	75.0	95	29.3			
7	Cb-Sc	Ac	Ci	3	9	1500		ojpp	ojp	8	ENE	4	1007.3	85.1	81.0	83	34.2			
8	Cu	-	Ci	1	5	2500		bc	bc	8	E	5	1007.0	86.8	80.0	73	32.3			
9	Cb-Cu	Ac	Ci	2	6	2500		bcc	bcjp	9	E	4	1007.2	86.9	80.0	73	32.1			
10	Sc-Cb	Ac	Ci	4	5	2500		cjpop'	bcjp	8	E	5	1006.1	87.0	80.1	73	32.1			
11	Cu-Sc	Ac	Ci	3	4	2500		ocpqbc	bc	9	E	5	1005.4	87.4	81.5	77	33.7			
12	Cu	-	Ci	4	6	2500		c	bc	8	E	4	1006.0	88.2	81.3	73	33.2			
13	Cu	-	Ci	2	3	2500		bc	bc	9	E	4	1006.7	87.2	80.8	75	32.9			
14	Cu-Cb	As-Ac	-	3	9+	1500		otp	otjp	9	E	3	1007.0	83.6	79.8	84	33.5			
15	Cb-Cu	Ac	Ci	3	6	2000		c	bcjp	8	E	4	1006.8	87.7	80.2	71	32.2			
16	Cb-Cu	-	Ci	2	8	2000		ojp	cjp	8	E	4	1006.9	88.2	80.9	72	32.5			
17	Cu-Cb	Ac	Ci	3	7	3000		bcjpcopt	cjp	9	ESE	5	1006.7	85.8	80.0	77	32.6			
18	Cu-Sc	-	-	4	4	2500		bcjp	bc	9	ENE	2	1007.9	88.2	81.2	73	33.0			
19	Cu	Ac	Ci	2	7	2500		cjp	c	9	NE	2	1008.2	83.9	78.9	80	31.6			
20	Cu-Cb	-	Ci	3	5	3000		bc	bcjpt	9	N	1	1008.3	86.2	77.5	66	28.1			
21	Cu-Cb	Ac	Ci	4	7	2500		bc	cjp	9	W	3	1009.6	88.1	80.0	69	31.2			
22	Cu	As-Ac	Ci	2	9+	2500		cjpo	o	9	NNE	1	1008.7	86.9	79.9	72	31.9			
23	Cu-Cb	Ac-As	-	1	10	2500		op/tjp	ojp	8	Calm	0	1008.1	83.1	77.1	75	29.0			
24	Cu-Cb	Ac	Ci	1	9	2500		orro.	ojp	9	SE	1	1007.0	81.8	78.1	84	31.5			
25	Cb-Cu	Ac-As	Ci	1	10	2500		oporo	ojp	9	Calm	0	1008.0	82.7	77.6	79	30.4			
26	Cu-Cb	Ac	Ci	3	8	2500		c	cjp	9	ENE	2	1006.8	88.2	80.7	71	32.2			
27	Cb-Cu	Ac-As	Ci	4	9+	2500		bco	ojp	9	NNW	2	1005.9	85.3	78.4	73	29.8			
28	Cb-Cu	Ac-As	-	5	9+	2000		opq	ojp	8	NNE	1	1004.4	79.0	76.8	90	30.5			
29	Cb-Fs	As	-	6	10	1500		or	op	7	NNW	3	1001.2	80.8	77.1	84	30.4			
30	Cu	Ac	Ci	3	8	2500		o	c	9	NW	2	999.9	86.1	81.0	80	33.7			
31	Sc-Cb	Ac-As	Ci	5	9	2500		cjpojrt	ojrt	9	NNW	3	1002.5	85.1	81.0	83	34.2			
Means	-	-	-	3.2	7.6	2300		-	-	9	-	3	1006.4	85.3	79.6	77	32.0			

METEOROLOGICAL OBSERVATIONS.

January 1947.

Day of Month.	Thermometers. Maximum (°F)	Minimum (°F)	Grass Minimum (°F)	Black Bulb in vacuo (°)	Rainfall (ins.)	Sunshine (hrs.)	Heat Integrator.	Evaporimeter. (ins.)
1	86.9	75.6	74.2		-	9.1		.079
2	88.1	75.8	74.8		0.20	4.2		.067
3	86.9	74.8	71.9		0.19	7.1		.059
4	87.9	74.9	72.5		0.03	11.6		.094
5	86.8	75.5	73.2		0.60	10.7		.079
6	82.8	74.4	73.3		8.64	0.1		.031
7	87.3	72.4	73.3		0.13	4.3		.122
8	86.9	76.8	73.6		trace	11.7		.122
9	87.3	72.4	70.4		0.33	11.4		.106
10	87.7	75.5	74.0		0.31	9.1		.090
11	87.8	75.7	74.9		0.59	5.3		.079
12	88.8	74.6	74.1		0.45	10.8		.071
13	88.0	76.9	74.4		0.14	9.8		.106
14	86.5	76.8	75.2		0.73	3.0		.059
15	88.2	75.0	73.0		-	7.3		.102
16	89.2	74.2	73.2		-	2.4		.086
17	89.1	75.3	72.8		0.12	8.6		.102
18	88.9	76.8	74.1		trace	9.5		.090
19	86.1	75.9	73.8		0.11	5.8		.079
20	88.7	75.3	73.1		-	8.3		.098
21	89.5	74.2	72.3		-	10.8		.106
22	39.3	74.9	70.2		0.14	6.0		.090
23	85.1	74.9	74.0		0.14	0.5		.047
24	88.2	74.9	71.1		1.46	4.3		.059
25	86.0	73.6	70.1		0.29	2.5		.051
26	88.5	74.8	71.3		-	9.8		.102
27	87.5	75.1	71.5		0.07	4.9		.098
28	86.8	74.6	71.6		0.82	6.0		.043
29	83.1	75.1	71.5		0.70	0.2		.059
30	88.5	75.6	72.9		0.21	8.3		.102
31	86.2	77.5	73.5		0.15	6.3		.063
Total	-	-	-		15.55	209.7		2.541
Mean	87.4	75.2	72.9		-	6.8		0.082

1,000/7/32—3911] APIA OBSERVATORY

METEOROLOGICAL OBSERVATIONS.

9 a.m. February 1947.

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 (°F).	Wet Bulb (°F).	Relative Humidity (%).	Vapour Pressure (Millibars).	Upper Cloud. Type observed.	Direction whence coming.	Speed : Height Ratio.
1	Cb-Cu	Ac-As	-	4	9+	2000		op	ojp	8	SSW	1	1005.3	82.9	78.9	83	32.0			
2	Cu-Cb	Ac-As	-	4	9	2000		ojp	ojp	9	Calm	0	1008.3	83.5	78.7	80	31.2			
3	Cu-Cb	Ac-As	Ci	3	9	2500		orop	ojp	9	ENE	2	1008.0	85.9	81.0	80	34.0			
4	Cb-Cu	Ac-As	-	4	9+	2000		ojpp	ojp	8	Calm	0	1008.2	84.3	80.1	83	33.4			
5	Cu-Cb	Ac	Ci	2	9	2500		cjpo	ojp	8	Calm	0	1008.5	84.6	80.1	82	33.3			
6	Cu-Cb	Ac-As	Ci	2	8	2500		bccjp	cjp	8	Calm	0	1009.3	83.0	78.8	82	31.6			
7	Cu	Ac	Ci	1	2	3500		bc	b	9	Calm	0	1009.3	84.5	78.1	74	30.0			
8	Cu	-	Ci	1	6	2500		cjpbc	bc	9	SSW	1	1010.3	85.7	77.8	69	29.0			
9	Cu	-	Ci	1	3	3000		bcc	bc	9	SSW	2	1008.2	86.4	78.9	70	30.2			
10	Cu	Ac	Ci	Tr.	5	3500		bcctbc	bcw	9	WSW	1	1006.9	82.0	77.7	82	30.7			
11	Cu	Ac	Ci	Tr.	1	4000		cbcb	bw	9	Calm	0	1009.5	84.0	78.0	75	30.0			
12	St-Ns	As	-	3	10	1000		bccor	or	7	Calm	0	1010.3	77.9	75.9	90	29.4			
13	Sc-Fs	As	-	3	10	1000		oropq	or	6	NW	3	1006.6	76.2	74.2	90	27.8			
14	St-Fs	As	-	4	10	800		orq	or	6	NW	3	1006.4	75.8	75.1	96	29.3			
15	Fs-Sc	As	-	1	10	2000		ojr	o	9	W	4	1007.6	79.2	77.6	92	31.3			
16	Cu-Cb	Ac-As	-	4	10	2500		or	ojp	8	WNW	3	1008.4	83.2	78.8	82	31.9			
17	Cb-Sc	Ac-As	Ci	6	9+	1000		ojp	ojp/p	8	NW	4	1008.2	79.9	78.0	91	31.7			
18	Cb-Cu	Ac-As	Ci-Cs	Tr.	9+	2500		cojp	ojp	9	W	2	1007.2	84.5	78.9	77	31.2			
19	Cu	Ac	Ci	Tr.	5	2500		cjpo	bc	9	WNW	2	1007.9	84.0	79.4	81	32.3			
20	Cu-Cb	Ac	Ci	4	8	1500		bcp	cjp	8	NW	3	1008.5	83.1	79.9	86	33.3			
21	Ns-Sc	Ac-As	-	6	10	1000		op	op/q	7	NNW	3	1009.8	78.8	77.0	91	30.5			
22	Cu	-	Cc-Ci	3	9	2500		o	o	9	E	1	1009.1	84.3	79.3	79	31.8			
23	Sc-Cb	Ac	Ci-Cs	3	9	2500		cojp	cjp	9	ENE	1	1009.1	85.3	79.3	76	31.6			
24	Cb-Cu	Ac	Ci	4	8	2000		o	cjpz	9	SSE	1	1009.4	79.3	77.2	90	30.7			
25	Cb-Cu	-	Cs	1	8	2500		ojp	cjp	9	E	1	1009.4	84.6	79.2	78	31.7			
26	Cu-Cb	Ac	Ci	2	4	1500		cpz	bcjp	8	SE	1	1010.2	84.8	78.8	76	31.0			
27	Cb-Cu	Ac	Ci	3	6	1500		cjp	bcjp	8	ESE	1	1010.3	83.7	78.6	79	31.2			
28	Cu-Sc	-	Cs	3	4	3000		bc	bc	8	ESE	2	1009.2	85.8	79.7	75	31.6			
29																				
30																				
31																				
Means	-	-	-	2.6	7.6	2200		-	-	8	-	2	1008.6	82.8	78.4	82	31.2			

1,000/7/32—3911] APIA OBSERVATORY

METEOROLOGICAL OBSERVATIONS.

3 p.m. February 1947.

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 (°F).	Wet Bulb (°F).	Relative Humidity (%).	Vapour Pressure (Millibars).	Upper Cloud. Type observed.	Direction whence coming.	Speed: Height Ratio.
1	Sc-Cb	As-Ac	-	4	9+	2000		ojp	ojp	8	N	3	1004.1	83.1	80.2	88	34.0			
2	Cb-Sc	Ac	Ci	5	9	2500		opq	ojp	8	Calm	0	1006.4	83.4	78.0	77	29.9			
3	Sc-Cb	Ac-As	Ci	3	9	2500		ojp	ojp	9	ENE	2	1006.4	86.3	80.1	75	32.2			
4	Cb-Cu	Ac	Ci	3	7	2500		ojpc	cjp	8	NE	2	1006.3	86.6	80.0	74	32.0			
5	Cu	-	Ci	2	5	2500		ojpcbc	bc	9	N	1	1006.4	88.5	80.4	69	31.8			
6	Cu	Ac	Ci	1	4	2500		cjpbcjp	bc	9	Calm	0	1007.0	85.1	78.0	71	29.3			
7	Cb-Cu	Ac	Ci-Cs	1	7	2500		bctlp	cjp	9	SSW	1	1007.5	80.6	77.8	88	31.5			
8	Cu	-	Ci-Cs	1	4	2500		bc	bc	9	NNE	2	1007.8	88.2	79.8	68	31.0			
9	Cu	-	Ci-Cs	1	6	2500		bc	bc	9	ENE	2	1005.5	89.8	81.5	69	33.0			
10	Cb-Cu	Ac	Ci	4	8	2000		bc	c/p	9	SW	2	1006.2	80.0	77.5	89	31.1			
11	Cu	Ac	Ci	1	3	2500		bc	bc	9	NNE	1	1007.0	88.5	79.1	65	29.8			
12	Cu	Ac-As	Ci	Tr.	9+	2000		or	o	9	SW	3	1005.2	84.8	78.5	74	30.3			
13	Cu-Sc	Ac-As	-	1	10	2000		or	oro	8	SE	1	1003.8	81.8	78.2	84	31.2			
14	Fs	As	-	6	10	1500		or	oro	8	WNW	3	1004.3	78.7	76.9	92	30.9			
15	Cu	Ac-As	-	Tr.	9+	2500		oq	oq	9	WSW	5	1005.4	86.9	78.9	69	30.3			
16	Cu	As-Ac	-	1	10	2000		op	o	8	W	4	1006.3	85.3	79.8	78	32.5			
17	Cu	Ac	Cs	2	8	2500		ojpc	c	8	WSW	3	1004.9	88.8	79.5	65	30.2			
18	Cu-Cb	Ac	Ci	4	8	1500		ct	cjp	8	W	2	1004.8	89.3	80.7	67	31.5			
19	Cb-Cu	-	Ci-Cs	2	9	2500		o	o	9	NNW	2	1006.1	87.2	80.5	74	32.6			
20	Cu	As	-	2	10	2000		opq	oro	9	Calm	0	1006.9	78.3	76.8	93	30.7			
21	Cu-Sc	Ac-As	-	3	9	2000		opjp	o	8	WNW	3	1008.0	83.0	77.6	77	29.7			
22	Cu	-	Ci	1	8	2500		obc	c	9	ENE	1	1007.4	86.1	78.7	71	30.3			
23	Cb-Sc	As	-	4	10	1500		cjpopro	ojp	8	NE	4	1007.6	82.9	79.9	87	33.5			
24	Cu-Cb	Ac	Ci	2	6	1000		cjpzt	bcjpt	8	NE	1	1007.1	87.4	80.0	71	31.5			
25	Cu-Cb	Ac	Ci	2	6	2500		cjpc	bcjp	9	ENE	3	1007.4	87.5	81.1	75	33.4			
26	Cb-Cu	-	Ci	2	2	1500		bcjpbc	b	8	NNE	1	1008.0	87.5	79.0	67	29.8			
27	Cb-Cu	-	Ci	3	7	1500		bcjpcjp	cjp	8	NNE	1	1007.5	86.1	80.5	77	32.8			
28	Cu-Cb	Ac	Ci	3	7	1500		bcp	c	9	ENE	2	1005.9	85.6	79.9	77	32.3			
29																				
30																				
31																				
Means	-	-	-	2.3	7.6	2100		-	-	9	-	2	1006.3	85.3	79.3	75	31.4			

METEOROLOGICAL OBSERVATIONS.

February 1947.

Day of Month.	Thermometers. Maximum (°F)	Minimum (°F)	Grass Minimum (°F)	Black Bulb in vacuo (°)	Rainfall (ins.)	Sunshine (hrs.)	Heat Integrator.	Evaporimeter. (ins.)
1	87.1	76.0	73.2		2.87	4.3		.031
2	87.2	73.2	71.1		0.64	6.7		.063
3	88.3	75.2	73.1		0.01	5.2		.086
4	87.2	76.4	73.2		-	3.5		.086
5	89.1	76.9	73.8		-	8.5		.094
6	87.9	75.6	72.2		-	7.5		.079
7	87.8	74.9	70.9		trace	9.1		.075
8	89.2	74.4	69.0		-	12.2		.130
9	90.8	77.2	70.0		-	10.9		.110
10	87.9	74.6	68.9		trace	6.8		.083
11	89.1	75.3	69.8		0.61	11.7		.130
12	85.3	76.3	72.0		0.97	0.9		.063
13	82.0	74.2	70.0		1.01	0.0		.020
14	80.0	74.3	70.5		1.87	0.0		.012
15	87.2	74.3	70.6		0.50	1.2		.031
16	86.0	76.1	73.0		0.12	0.2		.126
17	88.8	76.9	72.2		-	6.6		.122
18	90.0	76.8	70.5		-	9.8		.145
19	87.8	75.8	70.4		0.36	9.9		.090
20	84.0	76.5	72.7		0.74	2.9		.028
21	83.8	77.0	72.1		0.07	1.2		.063
22	87.0	75.3	70.8		-	9.3		.098
23	87.9	75.3	69.8		trace	4.3		.079
24	88.0	74.6	69.0		-	7.4		.075
25	88.1	74.8	69.9		0.02	9.5		.090
26	88.2	75.9	69.9		-	10.2		.098
27	88.9	75.2	68.3		-	6.3		.083
28	88.9	74.8	68.0		0.57	8.6		.086
29								
30								
31								
Total	-	-	-		10.36	174.7		2.276
Mean	87.3	75.5	70.9		-	6.2		0.081

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METEOROLOGICAL OBSERVATIONS.

9 a.m. March 1947.

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 (°F).	Wet Bulb (°F).	Relative Humidity (%).	Vapour Pressure (Millibars).	UPPER CLOUD. Type observed.	Direction whence coming.	Speed: Height Ratio.
1	Cb-Fc	As	-	3	10	1500		copt	o/p	8	SSW	1	1009.1	78.0	77.0	95	31.1			
2	Cb-Cu	Ac-As	-	3	10	2000		or	ojp	8	SE	2	1010.1	80.4	77.3	86	30.5			
3	Cb-Cu	As-Ac	-	3	9+	1500		ojpp	ojp	8	E	4	1009.7	80.5	77.0	84	30.0			
4	Cb-Cu	As-Ac	-	2	9+	1500		oltp	op	8	SE	2	1010.8	79.9	77.1	87	30.4			
5	Cb-Cu	As-Ac	-	2	9	1500		ocp	o/p	8	SSE	1	1011.9	78.9	76.8	90	30.3			
6	Cu	Ac	Ci	1	4	3000		opcbcjp	bc	8	ESE	5	1010.4	84.1	78.5	77	30.7			
7	Cu	Ac	Ci	1	7	3000		bccotlp	c	8	ESE	3	1010.9	83.2	78.0	78	30.2			
8	Cu-Cb	Ac	Ci	2	5	1500		opcjp	bc	9	SE	4	1009.5	83.0	77.5	77	29.8			
9	Cb-Cu	Ac	-	2	3	1500		bjpw	bcjp	8	NNW	1	1007.5	81.9	77.6	82	30.5			
10	Cu	Ac	Ci	Tr.	2	2500		cpbc	b	9	ESE	2	1007.6	84.9	79.2	77	31.5			
11	Cb-Cu	Ac	Ci	2	6	1500		opcjp	bcjp	9	ESE	2	1009.8	85.4	79.7	77	32.0			
12	Cu	Ac	Ci	Tr.	1	3500		bc	b	9	Calm	0	1009.6	84.1	78.1	76	30.3			
13	Cu	-	Ci	1	2	2500		b	b	9	Calm	0	1010.4	85.2	79.0	75	31.0			
14	Cu	-	Cs	Tr.	7	3000		bc	c	9	ESE	1	1011.9	85.9	78.4	71	30.1			
15	Cb-Cu	Ac	Ci	Tr.	3	1500		bcjpcjp	bc	8	E	2	1013.7	85.0	78.1	72	29.6			
16	Cb-Cu	Ac	Ci	3	9	1500		bcjpcp	ojp	8	SSW	1	1013.5	82.7	78.0	80	30.5			
17	Cu	Ac	Ci	2	3	2500		cbcjp	bc	9	ESE	1	1013.8	85.6	79.2	74	31.1			
18	Cu-Cb	Ac	Ci-Cs	2	6	2000		bccopc	bc	9	E	2	1013.1	85.1	79.1	76	31.4			
19	Cb-Cu	Ac	Ci	2	3	1500		bcb	bcjp	9	ESE	3	1013.4	84.2	78.0	75	30.0			
20	Cb-Sc	Ac-As	Ci	5	9	1500		ctlbcp	ojp	8	SSE	2	1014.1	80.4	78.4	91	32.2			
21	Cb-Cu	Ac-As	Cs	5	9+	1500		cpcjp	ojp	9	Calm	0	1012.3	81.3	78.1	86	31.4			
22	Cu	Ac-As	Cs	Tr.	9	2000		op	o	9	SE	1	1010.8	83.0	79.8	86	33.3			
23	Cb-Cu	Ac	Ci	4	9	2000		opoz	ojp	9	ESE	1	1012.0	85.0	79.2	77	31.6			
24	Cb-Cu	Ac	Cs	Tr.	9+	1500		cjpp	ojp	9	Calm	0	1012.6	82.7	78.5	82	31.3			
25	Cb-Sc	Ac	Cs	3	9	1500		cjpop	ojp	9	SSW	1	1013.6	80.2	77.2	87	30.6			
26	Cb-Cu	As-Ac	Cs	Tr.	9+	1500		ocbcbbcc	o	9	S	1	1012.9	81.1	78.4	88	32.0			
27	Cu	Ac	Cs	Tr.	6	2000		o	bc	9	Calm	0	1011.7	84.1	79.0	79	31.6			
28	Cu-Cb	As-Ac	Cs	Tr.	9+	1500		coplt	ojp	8	SSW	1	1011.8	81.8	78.9	87	32.3			
29	Cu	Ac	Cs	Tr.	3	3000		c	bc	9	SSW	1	1012.6	81.4	76.9	81	29.7			
30	Cu	-	Ci	Tr.	1	4000		bcjpb	b	9	ESE	2	1013.2	86.0	79.0	72	30.5			
31	Cu	Ac-As	Ci	1	4	1500		blpbc	bc	8	SSE	1	1012.6	83.7	79.3	82	32.4			
Means	-	-	-	1.6	6.4	2000		-	-	9	-	2	1011.5	82.9	78.3	81	31.0			

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METEOROLOGICAL OBSERVATIONS.

3 p.m. March 1947.

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 (°F).	Wet Bulb (°F).	Relative Humidity (%).	Vapour Pressure (Millibars).	Upper Cloud. Type observed.	Direction whence coming.	Speed: Height Ratio.
1	Fs-Cb	As	-	5	10	1500		ort	or	6	SE	1	1008.1	77.8	76.6	94	30.6			
2	Cb-Fs	As	-	6	10	1500		opt	ojp	7	WSW	3	1006.9	78.8	76.8	91	30.5			
3	Cu-Cb	As-Ac	-	3	9+	2000		op	o	8	NNE	2	1006.9	83.7	78.1	77	30.5			
4	Cu-Cb	Ac	-	2	8	1500		opojp	c	8	ESE	5	1008.2	85.8	80.1	77	32.5			
5	Cb-Cu	Ac-As	Ci	1	9+	1500		opojp	o	8	ESE	3	1009.3	85.2	77.8	71	29.5			
6	Cu-Cb	Ac	Ci	1	2	2000		bc	bc	9	ESE	3	1007.5	88.6	80.9	71	32.7			
7	Sc	As	Ci	7	9+	1500		cbccjp	ojp	8	E	4	1008.7	84.5	78.6	76	30.7			
8	Cu-Cb	Ac	Ci	4	6	1500		bccpt	bcjp	8	Calm	0	1007.1	85.1	78.0	71	29.3			
9	Cb-Cu	Ac	Ci	3	4	1500		bcp	bcjp	9	ENE	3	1005.2	86.4	81.0	78	33.6			
10	Cb-Cu	As-Ac	Cs	7	9+	1000		bbccp	opq	4	NE	5	1005.9	84.0	79.0	79	31.5			
11	Cb-Cu	Ac	Ci	3	4	1500		bcjp	bcjp	8	NE	2	1008.1	85.9	79.2	73	31.0			
12	Cu-Cb	-	Ci	1	2	2500		b	b	8	N	1	1007.5	87.0	79.0	69	30.3			
13	Cb-Cu	Ac	Ci	1	3	1500		b	bcjp	9	NNW	2	1007.6	87.1	79.1	69	30.4			
14	Cu-Cb	Ac	Ci	1	4	2000		c	bcjp	9	NE	2	1009.5	87.2	80.2	72	31.7			
15	Cb-Cu	Ac	Ci	4	5	2000		bc	bcjp	9	E	2	1011.0	87.0	80.6	75	32.9			
16	Cb-Cu	Ac	Ci	Tr.	8	2000		ojpp	c	8	NNE	2	1011.0	87.5	78.8	67	29.9			
17	Cb-Cu	Ac	Ci	2	2	2000		bcp	b	9	NE	2	1011.0	86.0	79.7	75	31.8			
18	Cu	Ac	Ci	1	8	2000		bcc	c	9	ENE	2	1010.9	87.5	80.0	71	31.6			
19	Cb-Cu	Ac-As	Ci	3	8	1500		bcjp	cjp	9	E	4	1010.8	88.9	81.2	71	33.0			
20	Cb	Ac-As	Cs	2	8	1500		ojpp	cjp	8	ENE	3	1010.2	85.8	81.0	80	33.7			
21	Cb-Fs	Ac	Ci	8	9+	1500		ojpq	op	7	NNW	2	1009.5	81.5	78.9	89	32.7			
22	Cb-Cu	Ac	Ci	8	9	1500		op	op	8	WSW	1	1009.2	81.7	78.6	87	32.1			
23	Cb-Sc	Ac	Ci	2	8	2000		ojpp	cjp	9	WSW	1	1009.6	83.8	77.9	76	30.1			
24	Cu-Cb	Ac	Cs	2	7	2000		ojpp	cjp	8	WNW	1	1010.7	84.7	78.2	74	30.2			
25	Cb-Cu	-	Cs	1	9+	2000		o	ojp	9	NNW	2	1011.1	85.1	79.9	79	32.5			
26	Cu-Sc	Ac	Cs-Ci	1	5	2500		c	bc	9	NNW	1	1010.1	88.1	80.0	69	31.4			
27	Cu	Ac-As	Cs-Ci	1	8	2500		c	c	9	NE	2	1008.5	87.2	80.3	73	32.2			
28	Cu-Cb	Ac-As	-	1	10	1500		ojptp	ojp	8	Calm	0	1010.3	82.0	78.0	83	31.0			
29	Cb-Cu	-	Ci	1	4	1500		bcjp	bcjp	9	NE	1	1010.4	87.1	79.0	69	30.4			
30	Cu	-	Ci	2	2	3000		b	b	9	E	3	1009.3	89.0	81.0	69	32.2			
31	Cb	Ac-As	Cs	1	9+	1500		bccopt	o	8	Calm	0	1009.9	83.0	77.8	78	30.1			
Means	-	-	-	2.7	6.9	1800		-	-	8	-	2	1009.1	85.3	79.2	76	31.4			

METEOROLOGICAL OBSERVATIONS.

March 1947.

Day of Month.	Thermometers. Maximum (°F)	Minimum (°F)	Grass Minimum (°F)	Black Bulb in vacuo (°)	Rainfall (ins.)	Sunshine (hrs.)	Heat Integrator.	Evaporimeter. (ins.)
1	79.8	78.2	69.1		0.77	0.0		.024
2	82.0	75.1	68.0		1.85	0.0		.028
3	84.1	73.0	65.6		0.85	2.3		.024
4	86.8	73.0	65.0		3.23	2.9		.016
5	87.2	72.7	65.9		0.01	3.7		.090
6	89.0	75.0	66.1		0.85	8.7		.098
7	88.3	74.2	66.9		1.02	5.4		.055
8	88.0	71.5	63.2		0.01	5.8		.079
9	87.8	73.8	65.3		0.01	9.3		.090
10	87.8	74.9	66.7		0.29	7.1		.067
11	87.8	74.9	66.4		-	8.0		.090
12	87.9	74.3	65.3		-	11.3		.094
13	88.3	75.9	66.7		-	11.3		.098
14	88.1	74.6	65.5		-	10.7		.098
15	89.5	75.9	65.5		0.02	7.6		.098
16	87.8	76.2	67.5		0.06	7.0		.083
17	88.3	75.1	66.2		0.38	10.1		.067
18	89.1	75.4	70.6		-	10.0		.102
19	91.0	75.1	68.7		0.67	9.5		.086
20	89.1	76.1	72.0		1.16	7.3		.039
21	85.8	75.2	69.8		0.29	3.9		.047
22	87.1	76.2	71.2		0.09	4.9		.063
23	87.5	75.9	69.9		1.36	4.1		.020
24	86.1	75.4	70.0		0.41	4.2		.059
25	86.6	74.9	69.9		-	6.1		.071
26	88.0	75.0	69.5		-	6.5		.083
27	87.5	74.5	68.4		0.06	8.9		.090
28	85.6	75.8	71.0		trace	2.2		.071
29	87.8	73.4	68.6		-	10.1		.098
30	89.5	74.5	71.9		0.01	11.3		.106
31	87.3	76.2	72.6		trace	3.6		.059
Total	-	-	-		13.40	203.8		2.193
Mean	87.3	74.9	68.0		-	6.6		0.071

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METEOROLOGICAL OBSERVATIONS.

9 a.m. April 1947.

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 (°F).	Wet Bulb (°F).	Relative Humidity (%).	Vapour Pressure (Millibars).	UPPER CLOUD. Type observed.	Direction whence coming.	Speed; Height Ratio.
1	Cb-Sc	-	-	9+	9+	1000		clt	oplt	6	SE	2	1012.5	79.3	76.9	89	30.3			
2	Fc-Cu	Ac-As	-	2	9+	2000		orlto	ojp	8	ESE	4	1012.2	81.2	77.5	84	30.6			
3	Cu	Ac-As	Ci	1	9+	2000		cpoplt	o	8	S	2	1012.3	78.6	77.0	92	30.7			
4	Cb-Cu	Ac	Ci-Cs	Tr.	8	2000		opoltcjp	cjp	8	ENE	2	1010.9	84.9	79.4	78	32.0			
5	Cu-Cb	Ac	Ci	1	2	2500		opltc	bcp	9	ESE	2	1010.3	85.3	79.9	78	32.5			
6	Cu	-	Ci	Tr.	Tr.	3000		ojpcpbcb	b	9	ESE	2	1010.7	84.5	78.9	77	31.2			
7	Cb-Cu	-	-	2	2	2500		bcjppbc	bjp	9	ESE	4	1011.2	86.0	79.6	74	31.4			
8	Cu-Cb	Ac-As	Ci	3	8	1500		bcltp	c/qp	8	SSE	2	1011.2	76.0	74.5	93	28.5			
9	Cb-Cu	Ac-As	Ci	1	9	1500		opltojp	o	8	ESE	2	1009.9	84.0	79.5	81	32.3			
10	Cb-Cu	Ac-As	Ci	3	7	1500		oltpcbcp	cjp	9	SSE	2	1010.2	79.5	77.6	91	31.3			
11	Cu-Cb	Ac	Ci	3	9+	1500		cpojp	o	8	ESE	2	1009.8	85.1	80.5	81	33.5			
12	Cu	Ac	Ci	Tr.	5	3000		ojpcbc	bc	9	ESE	3	1011.4	85.5	78.7	73	30.6			
13	Cu-Sc	-	-	Trace		3000		cpbz	b	9	SE	2	1010.7	85.3	77.1	67	27.8			
14	Cb-Cu	As-Ac	Ci	3	9	1500		bcp	op	8	S	2	1009.6	80.5	77.3	86	30.6			
15	Cu	-	Ci	Tr.	1	3500		b	b	9	WSW	1	1009.4	83.1	77.8	78	30.2			
16	Cu	-	Ci	1	1	3000		b	b	9	ESE	2	1009.5	85.4	79.0	81	33.7			
17	Cu	-	-	Trace		3000		b	b	9	ESE	4	1011.6	86.0	79.2	73	31.0			
18	Cu	-	-	1	1	3000		b	b	9	ESE	2	1012.8	84.5	78.4	75	30.3			
19	Cu-Cb	Ac	Ci	3	4	2500		bplbjp	bcjp	8	ESE	1	1011.9	85.7	80.0	77	32.4			
20	Cu	Ac-As	Ci	Tr.	9	2500		bcpcloz	o	9	SSW	1	1011.1	79.0	76.4	88	29.8			
21	Cu-Cb	Ac-As	Ci-Cs	1	9	2500		oploiro	ojp	8	SSW	1	1010.4	79.1	76.3	87	29.5			
22	Cu	Ac-As	Ci	Tr.	5	3000		ojpocbc	bc	9	ESE	2	1011.3	84.4	76.9	70	28.3			
23	Cb-Cu	Ac	Ci	5	9+	2000		ocpojp	ojp/p	8	SE	2	1012.4	83.2	80.1	87	33.8			
24	Cu-Cb	Ac	Ci	Tr.	1	2500		bcjpb	b	9	E	2	1012.6	84.2	77.3	72	28.9			
25	Cu	-	-	Trace		3500		bcpb	b	9	ESE	2	1012.1	84.5	77.4	72	29.1			
26	Cb-Cu	Ac	Ci	2	2	2000		b	bjp	9	ESE	2	1011.2	85.1	79.0	75	31.0			
27	Cu	Ac	Ci	Tr.	4	3000		bc	bc	9	E	1	1011.7	84.8	77.9	72	29.4			
28	Cu	Ac	Cs	Tr.	4	2500		bccocbc	bc	9	SE	2	1012.4	84.6	78.0	73	29.7			
29	Cb-Cu	Ac	Ci	1	2	2000		bcjpp	bjp	8	E	4	1012.1	85.9	79.3	74	31.3			
30	Cu	Ac	Ci	Tr.	1	3000		bbcb	b	9	E	1	1011.4	86.1	79.2	73	31.1			
31																				
Means	-	-	-	1.4	4.8	2400		-	-	9	-	2	1011.2	83.4	78.2	79	30.8			

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APIA OBSERVATORY

METEOROLOGICAL OBSERVATIONS.

3 p.m. April 1947.

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 (°F).	Wet Bulb (°F).	Relative Humidity (%).	Vapour Pressure (Millibars).	Upper Cloud. Type observed.	Direction whence coming.	Speed; Height Ratio.
1	Cu	Ac-As	Ci	2	9+	2000		oplt	o	8	ESE	3	1009.9	86.0	79.5	74	31.4			
2	Cb-Cu	Ac	Ci	4	8	1500		ojpot	c/p	8	ENE	3	1009.4	86.6	81.8	81	35.1			
3	Cb-Cu	Ac-As	Cs	3	10	1500		oplto	o	8	ENE	2	1008.8	86.3	80.4	76	32.6			
4	Cb-Fs	Ac-As	Cs	6	10	1000		optoir	op	7	ESE	2	1008.0	80.9	76.5	81	29.2			
5	Cb-Cu	As-Ac	Ci	5	8	1500		bct	cjp	8	E	4	1008.4	85.6	79.3	75	31.4			
6	Cu-Cb	Ac	Ci	2	2	2500		bjp	bjp/p	9	ENE	3	1009.1	87.2	79.8	71	31.3			
7	Cu	Ac	Cs	1	5	2500		bjpbcpo	bc	8	ESE	4	1008.1	89.0	81.5	71	33.1			
8	Cu-Cb	Ac	Cs-Ci	4	9+	1500		bcpt	op	8	ESE	5	1008.7	83.3	78.4	79	30.8			
9	Cb-Cu	Ac-As	Cs	5	9	1500		opt	ojpt	8	E	5	1007.5	85.0	79.9	79	32.5			
10	Cu	Ac	Ci-Cs	1	7	2500		bc	c	9	E	4	1006.4	88.9	81.8	73	34.0			
11	Cb-Cu	Ac-As	Ci-Cs	4	9+	1500		op	ojp	8	E	4	1007.5	88.1	81.0	72	32.7			
12	Cu	Ac	-	2	2	3000		b	b	9	ESE	5	1008.3	87.9	80.7	72	32.5			
13	Cu	Ac	Ci	1	1	3000		b	b	9	E	5	1007.4	86.9	78.7	68	29.7			
14	Cb-Cu	Ac	Ci	6	7	1500		bcp	cjp	8	NE	1	1006.3	87.1	79.9	72	31.7			
15	Cb-Cu	Ac	Ci	2	2	2000		b	b	9	N	1	1006.5	86.9	79.4	71	31.0			
16	Cu	Ac	-	1	1	3000		b	b	9	ENE	2	1007.9	88.7	79.9	67	31.0			
17	Cu-Cb	-	-	1	1	2500		b	b	9	E	4	1009.1	89.0	80.8	69	32.2			
18	Cb-Cu	Ac	Ci	1	1	2000		b	bjp	9	E	5	1010.8	88.8	81.0	70	32.5			
19	Cb-Cu	Ac	Ci	4	7	2000		bcjpp	cp	8	ENE	4	1009.5	84.9	79.0	76	31.2			
20	Cb-Cu	Ac-As	Ci	1	9+	2000		ojpztlp	ojp	8	E	4	1008.9	84.5	79.0	78	31.5			
21	Cb-Cu	As-Ac	Ci	Tr.	9+	2000		ojptl	ojp	8	E	4	1008.1	81.7	76.8	79	29.2			
22	Cb-Cu	Ac-As	Ci	Tr.	9+	2500		bcojpt	o	8	SE	3	1009.8	84.6	79.2	78	31.7			
23	Cb-Cu	Ac-As	Ci	Tr.	5	2000		ojpp	bcjp	8	E	2	1010.5	86.9	80.0	73	31.9			
24	Cb-Cu	Ac	Ci	2	3	2500		bbc	bcjp	9	E	3	1010.3	87.5	80.1	71	31.7			
25	Cu	Ac	-	2	2	2500		b	b	9	ENE	3	1009.7	88.2	78.9	65	29.7			
26	Cb-Cu	Ac	Cs	3	4	2000		b	bcjp	9	NE	2	1009.2	87.3	78.9	67	29.7			
27	Cu	-	Ci	2	3	2500		bc	bc	9	ENE	2	1008.6	87.6	79.9	70	31.3			
28	Cu-Cb	Ac	Ci	1	5	2000		bc	bcjp	9	E	2	1009.7	88.0	79.8	68	30.7			
29	Cb-Cu	-	Ci	1	2	3000		bbc	b	9	E	3	1009.3	88.3	80.3	69	31.5			
30	Cb-Cu	-	Ci	2	3	2000		bbc	bcjp	9	E	3	1008.5	84.6	79.3	78	31.7			
31																				
Means	-	-	-	2.3	5.6	2100		-	-	9	-	3	1008.7	86.5	79.7	73	31.6			

METEOROLOGICAL OBSERVATIONS.

April 1947.

Day of Month.	Thermometers. Maximum (°F)	Minimum (°F)	Grass Minimum (°F)	Black Bulb in vacuo (°)	Rainfall (ins.)	Sunshine (hrs.)	Heat Integrator.	Evaporimeter. (ins.)
1	88.4	74.5	71.6		1.11	3.2		.079
2	87.5	71.9	69.6		0.24	1.1		.067
3	88.0	74.8	72.1		0.14	2.9		.086
4	89.5	73.1	71.3		0.21	5.4		.063
5	89.2	74.8	71.0		0.40	8.3		.079
6	89.2	74.3	71.7		0.06	11.1		.106
7	89.6	74.9	70.6		0.66	11.1		.098
8	89.0	75.2	73.5		0.10	3.5		.102
9	89.0	75.0	73.2		0.13	4.2		.075
10	89.1	74.4	71.0		0.55	7.1		.079
11	89.3	76.6	73.0		trace	8.0		.102
12	88.3	73.1	68.3		-	10.8		.134
13	87.8	72.0	67.2		0.01	10.9		.114
14	89.3	72.9	69.5		0.02	5.8		.079
15	87.9	74.8	70.7		-	10.7		.090
16	89.2	74.7	71.9		trace	11.4		.106
17	90.6	74.7	70.5		0.05	11.1		.134
18	89.7	74.5	67.5		trace	11.2		.110
19	90.7	74.9	69.9		trace	9.6		.114
20	89.3	74.8	69.6		0.03	1.4		.075
21	84.4	75.0	71.0		trace	0.2		.075
22	89.4	73.7	68.8		0.83	5.7		.086
23	89.9	76.1	72.1		0.20	8.2		.079
24	89.3	73.2	69.2		trace	10.4		.098
25	88.9	71.9	66.5		-	11.3		.114
26	88.4	73.7	69.7		-	9.8		.083
27	88.2	74.7	70.7		-	10.8		.090
28	89.8	73.0	69.0		0.04	10.3		.098
29	89.0	76.1	72.7		-	9.8		.122
30	89.9	75.0	70.9		-	9.8		.094
31								
Total	-	-	-		4.78	235.1		2.831
Mean	88.9	74.3	70.5		-	7.8		0.094

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METEOROLOGICAL OBSERVATIONS.

9 a.m. May 1947.

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 (°F).	Wet Bulb (°F).	Relative Humidity (%).	Vapour Pressure (Millibars).	Upper Cloud. Type observed.	Direction whence coming.	Speed: Height Ratio.
1	Cu	Ac	Ci	Tr.	4	3000		bcjp	bc	9	SSW	1	1010.9	83.0	75.0	67	25.8			
2	Cu	Ac	Ci	Tr.	2	3000		bbcc	b	9	E	1	1010.7	83.8	76.2	63	24.9			
3	Cu	Ac	-	Tr.	1	3000		b	b	9	E	1	1010.2	84.4	78.2	75	30.3			
4	Cb-Sc	Ac	Ci	2	7	3000		bccopcjp	cjp	9	Calm	0	1009.6	83.4	77.9	77	30.1			
5	Cu	Ac	Ci	Tr.	2	3500		cjpbcb	b	9	SE	1	1010.5	84.7	78.0	73	29.8			
6	Cu	Ac	Ci-Cs	Tr.	7	3000		bc	c	9	ESE	1	1011.4	83.7	76.4	70	27.7			
7	Cu	-	Ci	Tr.	3	2500		bc	bc	9	ESE	3	1010.9	85.0	77.5	70	28.8			
8	Cu	Ac	Cs	Tr.	7	3000		bbcc	c	9	SSE	2	1010.7	84.4	77.5	72	29.1			
9	Cb	Ac-As	-	5	10	2000		oopojp	op	8	SW	2	1010.5	78.4	75.6	87	28.9			
10	Cu	Ac-As	Ci	6	9+	2000		ojporirc	o	8	S	1	1009.0	78.5	77.0	93	31.0			
11	Cb	As	-	4	10	1000		opor	oro	5	N	2	1009.1	76.3	75.2	94	29.1			
12	Cb-Fc	As	-	8	10	1500		ojpopq	oir	7	NNW	6	1008.8	80.0	77.4	88	30.7			
13	Cb-Fc	As-Ac	-	6	10	1500		opoiro	o/iro	8	WSW	2	1008.4	76.0	75.0	95	29.2			
14	Cu	Ac	Ci-Cs	2	8	3000		ojporojp	c	9	SSW	1	1008.8	81.9	78.5	85	31.6			
15	Cb-Cu	Ac-As	-	2	10	2000		ojpop	ojp	8	SW	1	1011.4	80.0	78.4	93	32.5			
16	Cb-Cu	Ac	Ci	6	6	1500		ocbcjp	bc/p	8	SSE	1	1013.0	81.9	80.0	91	33.9			
17	Cu	Ac	Ci	Tr.	1	3000		bc	b	9	ESE	2	1013.4	84.4	79.0	78	30.5			
18	Cb-Cu	Ac	Ci	Tr.	9+	2000		bcltoz	ojp	9	Calm	0	1014.1	84.8	77.7	71	29.0			
19	Cb-Sc	Ac	Ci	3	6	2000		cjp	bcjp	8	SSW	1	1012.8	82.3	77.9	81	30.5			
20	Cb-Cu	-	Ci-Cs	1	9	2500		bcjpc	o	9	SW	1	1013.0	83.7	79.0	81	32.0			
21	Cu	-	Ci	1	5	3000		oc	bc	9	ESE	1	1013.0	82.2	78.0	81	30.4			
22	Cu	-	Ci	Tr.	1	3500		cbcb	b	9	Calm	0	1013.5	80.5	73.5	71	28.9			
23	Cb-Cu	As-Ac	Cs	6	9+	1000		coplt	op	7	E	2	1012.8	77.7	76.1	93	30.2			
24	Cu-Cb	Ac	Ci	1	7	3000		ojpclbc	c	9	SE	1	1012.2	82.1	77.9	82	30.7			
25	Cu	-	Ci	Trace		3000		bcjpb	bz	9	SSW	1	1011.9	82.9	77.4	77	29.6			
26	Cb-Cu	Ac	Ci	1	5	2000		bccjp	bc	9	SSE	1	1012.4	81.1	77.5	84	30.5			
27	Cu-Sc	Ac	Ci	3	8	3000		opbcjpcp	c	8	ESE	2	1013.7	81.7	76.0	76	28.1			
28	Cu-Sc	Ac	-	2	3	3500		bcjpcbc	bc	9	ESE	4	1014.3	84.1	77.0	71	28.3			
29	Cu	-	Ci	3	3	3000		bclpb	bc	8	ESE	5	1013.9	85.0	79.2	76	31.3			
30	Cb-Sc	Ac-As	Ci-Cs	1	8	2000		opqcp	cjp	8	SE	2	1014.1	80.3	76.7	84	29.6			
31	Cu	-	-	1	1	2500		bccjpbcb	b	8	ESE	5	1012.5	84.5	77.6	72	29.2			
Means	-	-	-	2.1	5.9	2500		-	-	8	-	2	1011.7	82.0	77.2	80	29.7			

1,000/7/32—39111 APIA OBSERVATORY

METEOROLOGICAL OBSERVATIONS.

3 p.m. May 1947.

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 (°F).	Wet Bulb (°F).	Relative Humidity (%).	Vapour Pressure (Millibars).	Upper Cloud. Type observed.	Direction whence coming.	Speed: Height Ratio.
1	Cu-Cb	-	Ci	Tr.	Tr.	3000		bcb	b	9	ENE	4	1007.7	88.0	80.6	71	32.2			
2	Cu	-	Ci	1	2	3000		bcb	b	9	E	3	1007.3	89.1	80.0	66	30.9			
3	Cb-Cu	Ac	Ci	1	4	2000		bbc	bcjp	9	ENE	3	1006.4	88.5	80.4	69	31.7			
4	Cb-Cu	Ac	Ci	3	8	1500		cjpbcjp	cjp	8	S	2	1007.2	82.5	78.5	83	31.5			
5	Cu	-	Ci	2	3	3000		bbc	bc	9	ENE	2	1007.9	86.8	78.0	66	28.8			
6	Cu	Ac	Ci-Cs	1	6	4000		bc	bc	9	NE	1	1008.6	87.0	78.1	69	30.3			
7	Cu	-	Cs-Ci	1	6	3500		bcc	bc	9	E	5	1008.6	87.2	78.2	65	28.6			
8	Cu	Ac-As	Cs	1	9+	3000		c	o	9	ENE	3	1008.1	88.0	79.0	66	29.8			
9	Cu-Cb	Ac-As	Ci	1	9+	1500		opojp	ojp	8	E	3	1008.2	84.0	78.9	79	31.5			
10	Cb-Cu	Ac-As	Cs	7	10	1500		ojpopq	op	8	WSW	2	1006.8	78.1	76.9	94	31.0			
11	Cb	As-Ac	-	1	10	1500		oir	ojp	8	SW	1	1006.6	79.8	76.8	87	30.2			
12	Cb-Fc	As	-	7	10	1000		opq	op	7	NNW	7	1006.5	80.8	77.1	84	30.2			
13	Cu-Cb	Ac-As	-	4	10	1000		oiro	ojp	7	WNW	5	1006.0	81.8	78.1	84	31.2			
14	Cb-Cu	Ac-As	Ci	4	9+	1500		cjp	ojp	8	W	2	1006.6	84.0	78.9	79	31.4			
15	Cb-Cu	Ac-As	Cs	1	9+	2000		opojp	o	8	NW	3	1009.2	83.3	79.8	85	33.1			
16	Cb-Cu	Ac	Ci-Cc	2	6	2500		bcjp	bcjp	8	N	2	1011.1	87.0	80.1	73	32.0			
17	Cu	-	Ci	2	5	3000		bbcc	bc	9	ENE	1	1010.2	86.4	79.0	71	30.6			
18	Cu-Cb	Ac	Ci	3	8	2500		ojp	cjp	8	ENE	3	1011.1	86.4	80.1	75	32.3			
19	Cu-Cb	-	Ci	3	3	2500		bcjp	bcjp	9	NNW	2	1010.1	86.1	79.8	75	32.0			
20	Cu	Ac	Ci-Cs	1	9+	2500		o	o	9	NW	1	1010.6	84.2	77.4	72	28.9			
21	Cu	-	Ci	1	7	3000		bcc	c	9	ENE	2	1010.6	87.0	78.6	67	29.5			
22	Cu	-	Ci	2	6	3000		bbc	bc	9	E	3	1011.8	88.0	79.3	67	30.3			
23	Cb-Cu	As-Ac	Ci	3	9+	1500		op	ojp	7	ESE	3	1009.7	83.8	79.5	82	32.5			
24	Cb-Cu	Ac	Ci	1	3	2000		cbcjp	bcjp	9	NNE	2	1009.2	86.9	80.0	73	31.9			
25	Cb-Cu	Ac	Ci	7	7	2000		bzbc	c	8	SSW	3	1009.7	85.8	79.1	73	30.8			
26	Cb-Cu	Ac	Ci	8	9	2000		bcjp	op	8	ENE	4	1010.0	84.5	78.8	77	31.2			
27	Cb-Cu	Ac	Ci	7	9+	2000		cp	ojp	8	ESE	6	1011.4	85.5	79.0	74	31.0			
28	Cb-Cu	Ac	Ci	4	7	2000		bcop	cjp	8	ESE	4	1010.7	85.7	78.0	70	29.5			
29	Cb-Cu	Ac	Ci	4	9+	2000		bc	ojp	7	ENE	6	1010.6	86.1	80.0	75	32.0			
30	Cu-Cb	Ac	Cs	1	3	2500		cbc	bc	8	ESE	4	1010.5	87.2	80.8	75	33.1			
31	Cu	-	Ci	3	3	3000		bbc	bc	9	ESE	5	1009.8	86.4	78.1	67	28.8			
Means	-	-	-	2.8	7.0	2300		-	-	8	-	3	1009.0	85.4	78.9	75	30.9			

METEOROLOGICAL OBSERVATIONS.

May 1947.

Day of Month.	Thermometers. Maximum (°F)	Minimum (°F)	Grass Minimum (°F)	Black Bulb in vacuo (°)	Rainfall (ins.)	Sunshine (hrs.)	Heat Integrator.	Evaporimeter. (ins.)
1	88.9	73.2	68.5		-	11.2		.114
2	89.3	73.3	68.9		-	9.8		.110
3	88.8	74.9	72.0		0.01	8.9		.086
4	89.5	76.4	74.3		-	7.5		.098
5	87.5	73.1	70.1		-	10.7		.098
6	88.6	72.8	67.0		-	11.1		.118
7	87.8	74.0	70.8		-	11.0		.141
8	90.3	73.7	68.3		0.09	6.9		.114
9	86.0	76.0	73.3		1.96	2.0		.028
10	85.8	72.6	71.9		2.29	2.6		.012
11	82.6	74.5	73.3		2.23	0.0		.016
12	82.5	74.2	73.9		0.72	0.0		.090
13	82.4	73.0	72.0		0.55	0.0		.028
14	87.7	74.6	72.0		0.08	4.4		.067
15	83.9	75.9	72.6		0.16	0.8		.051
16	87.3	75.8	72.8		0.21	9.1		.071
17	88.1	74.5	71.0		0.36	10.8		.075
18	87.1	75.2	72.0		-	9.0		.079
19	87.5	74.9	70.6		-	9.7		.075
20	85.9	74.5	70.7		-	7.1		.075
21	87.7	73.4	68.9		-	10.4		.118
22	88.3	69.5	63.0		0.54	10.0		.063
23	83.7	73.7	68.8		0.14	1.6		.067
24	86.8	73.8	70.1		-	7.8		.071
25	87.9	73.4	69.3		-	11.2		.086
26	87.7	73.2	69.3		0.16	7.7		.071
27	87.7	74.3	71.0		trace	7.6		.098
28	86.9	73.6	68.9		0.15	5.7		.098
29	87.8	75.4	71.9		0.61	7.6		.031
30	88.6	73.4	71.0		trace	8.8		.110
31	87.5	78.2	74.1		-	10.6		.134
Total	-	-	-		10.26	221.6		2.493
Mean	87.0	74.2	70.7		-	7.1		0.080

1,000/7/32—3911] APIA OBSERVATORY

METEOROLOGICAL OBSERVATIONS.

3 p.m. June 1947.

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 (°F).	Wet Bulb (°F).	Relative Humidity (%).	Vapour Pressure (Millibars).	UPPER CLOUD. Type observed.	Direction whence coming.	Speed; Height Ratio.
1	Cu-Cb	Ac	Ci	1	4	2000		o	bc	8	E	5	1009.9	85.8	78.3	70	29.5			
2	Cb-Cu	Ac-As	-	Tr.	9+	2000		otlro	o	8	Calm	0	1010.7	78.6	75.0	84	28.1			
3	Cu-Sc	Ac	-	5	5	2500		bbcb	bc	9	E	4	1008.3	87.5	79.6	70	31.2			
4	Cu-Cb	As	Ci	3	9	2000		bcoc	ojp	9	Calm	0	1008.6	82.9	78.2	80	30.7			
5	Cb-Cu	As-Ac	-	3	10	1000		oidopo	op	6	SSE	1	1010.3	77.9	76.1	92	30.1			
6	Cu-Cb	Ac-As	-	3	9+	1500		op	ojp	8	SE	2	1010.2	80.9	76.9	83	29.9			
7	Cb-Sc	Ac-As	Ci	1	8	2000		bbccjpop	cjp	8	ESE	2	1010.5	79.9	75.0	79	27.5			
8	Cb	As	-	8	10	1000		opr	or	5	SE	4	1009.9	77.0	75.6	93	29.5			
9	Cu-Cb	Ac	Ci	1	9	1500		oroopo	ojp	8	N	1	1010.2	82.1	78.5	84	31.5			
10	Cb-Cu	-	Ci	2	6	2000		ocbc	bcjp	9	E	3	1010.6	87.5	80.5	73	32.5			
11	Cu	Ac	-	3	3	2500		bbccbc	bc	8	ESE	3	1009.5	87.9	78.9	66	29.8			
12	Cb-Cu	-	Ci	5	5	1500		bcjpcpbc	bcjp	8	E	3	1009.7	85.2	78.9	74	30.7			
13	Cb-Cu	Ac-As	Ci	3	8	2000		bc	cjp/t	8	N	2	1008.4	86.7	79.2	71	30.8			
14	Cb-Cu	Ac	Ci	2	4	2000		bbc	bcjp	8	ENE	3	1009.0	86.7	79.2	71	30.8			
15	Cu	Ac	Ci-Cs	1	7	2500		bc	c	9	NE	2	1010.3	84.8	77.8	72	29.4			
16	Cu	Ac	Cs	1	9	2500		ojp	o	9	E	2	1009.0	87.0	79.5	71	31.2			
17	Cu-Cb	Ac	Ci	3	7	2500		cjpcp	c	9	E	3	1009.9	87.3	79.9	71	31.5			
18	Cu-Cb	Ac	Ci-Cs	2	9	2000		copqo	ojp	8	ESE	3	1009.9	86.0	79.6	75	31.9			
19	Cu	-	Ci	1	2	2500		bbcb	b	9	ENE	2	1010.7	86.9	80.2	74	32.3			
20	Cu-Cb	Ac	Ci	2	5	2500		bcjp	bc	9	ENE	2	1011.9	87.4	80.5	73	32.5			
21	Cu-Cb	-	Ci	1	2	2500		opcbcjp	bjp	9	E	5	1011.1	85.9	78.4	70	29.7			
22	Cu-Cb	As-Ac	Ci-Cs	2	9+	2000		ojpt	ojpt	8	E	3	1010.5	84.0	77.0	72	28.7			
23	Cu	Ac	Ci-Cs	1	9+	3000		opo	o	8	ESE	2	1009.3	85.1	78.5	74	30.5			
24	Cu-Cb	Ac	Ci	2	3	2000		bbc	bcjp	9	E	4	1008.2	86.2	79.4	73	31.2			
25	Cu	Ac	Ci	1	2	3000		b	b	9	E	4	1008.5	86.0	79.0	72	30.6			
26	Cu-Cb	Ac	Ci	1	2	2500		bbcbjp	bjp	9	E	3	1008.5	87.4	80.5	73	32.5			
27	Cb-Cu	Ac	Ci	Tr.	3	2000		optb	bc	9	NE	2	1008.0	85.0	76.5	66	27.2			
28	Cb-Cu	Ac	Ci	6	7	2000		bc	cjp	9	ENE	2	1007.6	84.0	78.3	77	30.7			
29	Cb-Cu	Ac	Ci	3	6	2000		bbcjptp	bcjp	8	ESE	1	1008.8	85.6	79.0	74	31.0			
30	Cb-Cu	Ac-As	Ci	2	7	2000		opoiro	cjp	9	E	2	1010.3	83.0	77.8	78	30.1			
31																				
Means	-	-	-	2.3	6.4	2100		-	-	8	-	3	1009.6	84.6	78.4	75	30.4			

1,000/7/32—3911] APIA OBSERVATORY

METEOROLOGICAL OBSERVATIONS.

9 a.m. June 1947.

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 (°F).	Wet Bulb (°F).	Relative Humidity (%).	Vapour Pressure (Millibars).	UPPER CLOUD. Type observed.	Direction whence coming.	Speed: Height Ratio.
1	Sc-Cb	As-Ac	Cs	3	9	2000		o	o	8	ESE	4	1014.1	82.9	76.0	72	27.7			
2	Cb	As	-	5	10	1000		bcoptl	or	6	E	3	1012.6	76.2	74.6	92	28.5			
3	Cu	Ac	Ci	Tr.	Tr.	2500		obc	b	9	NE	1	1011.9	79.9	74.7	77	26.8			
4	Sc-Cb	Ac	Ci	1	4	2000		bccjpp	bcjp	8	ENE	2	1011.0	82.3	75.6	72	27.2			
5	Cb	As	-	8	10	1000		op	oid	6	SE	3	1011.7	76.8	75.7	94	29.7			
6	Cb	As	-	7	10	1000		op	op	6	SE	3	1012.8	76.5	74.6	91	28.3			
7	Cu-Sc	Ac	-	Tr.	2	2500		ocbcb	b	9	ESE	4	1011.7	83.5	76.9	73	28.6			
8	Cu-Cb	Ac-As	-	3	9+	1500		cjporcp	ojp	7	ESE	5	1011.9	81.0	76.9	82	29.6			
9	Cb	As	-	9	10	2000		orltor	oro	8	SSW	1	1013.0	78.6	77.7	95	31.8			
10	Cu	Ac	Cs	Tr.	9	3000		o	o	9	SSE	1	1013.7	81.8	77.2	80	29.7			
11	Cu	Ac	-	1	1	2500		b	b	9	ESE	3	1013.5	84.0	76.7	70	27.8			
12	Cb-Cu	Ac	-	6	6	2000		bcbbc	bcjp	8	ESE	4	1012.3	84.0	79.8	82	32.7			
13	Cu	Ac	Ci	1	1	2500		bcplbc	b	9	ESE	1	1011.6	84.3	78.8	77	31.0			
14	Cu	Ac	Ci	1	2	3000		opcbcb	b	9	ESE	1	1011.3	82.9	78.1	80	30.7			
15	Cu-Cb	-	Ci	Tr.	5	2500		bcjppbbc	bc	9	S	1	1012.9	80.8	77.0	83	29.8			
16	Cu	-	Cs	Tr.	10	3000		co	o	9	SSW	1	1011.9	79.8	75.6	81	28.1			
17	Cu	Ac	Ci	2	8	3000		ocjppcjp	c/p	8	SE	1	1012.4	80.8	78.5	90	32.3			
18	Cb-Cu	Ac	Ci	2	3	2000		copcbcjp	bcjp	8	ESE	1	1012.5	83.0	78.0	79	30.5			
19	Cu	Ac	Ci	1	1	2500		cpbcjp	b	8	ESE	2	1012.9	84.0	79.0	79	31.5			
20	Cu	As-Ac	-	Tr.	5	2500		oultcbcp	bc	8	Calm	0	1013.7	81.2	77.9	85	31.0			
21	Cb-Cu	As-Ac	Cs	5	9+	1000		bccjpop	op	8	SSE	3	1014.5	80.1	77.3	88	30.8			
22	Cb-Sc	Ac	Cs	4	9	2500		cjpzop	ot	8	WSW	1	1013.2	77.7	75.3	89	28.8			
23	Cb	As-Ac	-	8	10	1500		ojpop	op	7	SE	3	1012.6	75.8	74.1	92	28.0			
24	Cu	-	Ci	1	1	3000		cbcb	b	9	ESE	2	1011.2	83.1	77.7	78	30.2			
25	Cu-Cb	Ac	-	2	2	2500		bc	b	9	ESE	3	1011.2	83.4	77.9	77	30.1			
26	Cu	-	Ci	1	1	3000		b	b	9	ESE	2	1011.7	81.0	77.0	83	30.0			
27	Cb	As	-	6	10	1000		opojp	opt	6	NNW	3	1012.6	77.0	75.0	91	28.8			
28	Cu-Cb	Ac-As	Ci	1	4	3000		bcjplc	bc	8	NE	1	1010.2	84.1	77.2	72	28.7			
29	Cb-Cu	Ac	Ci	Tr.	1	3000		cjpopbcb	b	9	SSW	1	1010.8	80.9	77.0	83	29.9			
30	Cb-Sc	As-Ac	-	7	9+	1000		bcjpcojp	op	8	S	1	1013.3	79.4	75.9	84	28.8			
31																				
Means	-	-	-	2.9	5.8	2200		-	-	8	-	2	1012.4	80.9	76.8	82	29.6			

METEOROLOGICAL OBSERVATIONS.

June 1947.

Day of Month.	Thermometers. Maximum (°F)	Minimum (°F)	Grass Minimum (°F)	Black Bulb in vacuo (°)	Rainfall (ins.)	Sunshine (hrs.)	Heat Integrator.	Evaporimeter (ins.)
1	87.2	73.5	67.9		0.39	6.7		.114
2	80.0	75.5	73.6		0.94	0.0		.020
3	87.9	71.2	67.6		trace	9.1		.086
4	87.2	72.9	68.9		0.13	6.3		.067
5	80.3	75.0	73.0		0.27	0.0		.043
6	83.4	72.8	69.5		0.83	1.2		.086
7	87.1	74.2	69.5		1.27	5.6		.031
8	81.3	74.5	72.9		2.50	0.0		.012
9	86.9	74.8	73.2		-	5.5		.035
10	88.0	71.8	69.4		-	8.9		.079
11	88.6	72.8	69.0		0.17	9.6		.071
12	88.4	76.4	73.2		0.13	8.8		.079
13	87.5	74.5	71.8		0.97	6.9		.059
14	87.8	73.9	71.2		trace	8.7		.071
15	86.1	73.7	70.5		-	10.5		.098
16	87.8	72.9	69.5		0.08	8.6		.086
17	87.8	74.8	71.5		0.01	7.8		.098
18	87.9	74.8	70.8		0.47	4.9		.063
19	88.8	75.0	74.0		trace	10.3		.090
20	88.4	74.1	71.5		0.06	9.2		.090
21	87.1	74.4	71.2		trace	10.1		.102
22	86.3	73.2	70.0		2.51	1.0		.075
23	86.4	74.2	72.4		-	3.3		.063
24	87.3	72.2	69.0		-	10.6		.098
25	86.8	72.7	69.0		-	10.6		.098
26	88.2	72.5	68.7		0.72	10.1		.086
27	85.1	74.8	71.7		0.10	6.2		.035
28	86.9	73.3	70.4		trace	8.2		.071
29	87.5	73.5	70.6		0.03	10.3		.079
30	84.4	73.8	69.9		0.30	1.6		.047
31								
Total	-	-	-		11.88	200.6		2.132
Mean	86.5	73.8	70.7		-	6.7		0.071

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METEOROLOGICAL OBSERVATIONS.

9 a.m. July 1947.

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 (°F).	Wet Bulb (°F).	Relative Humidity (%).	Vapour Pressure (Millibars).	UPPER CLOUD. Type observed.	Direction whence coming.	Speed : Height Ratio.
1	Cb-Sc	Ac-As	-	2	9	2000		coirop	ojp/p	8	SE	1	1014.7	76.0	74.7	93	28.5			
2	Cb-Cu	Ac-As	-	2	9	1500		ojppojpu	ojp	8	ESE	2	1013.3	81.9	75.8	74	27.5			
3	Cb	As-Ac	-	4	10	1000		oropo	op	7	ESE	4	1013.8	79.3	76.9	89	30.4			
4	Cu	-	Ci	2	2	2500		cpbcb	b	9	ESE	3	1012.5	82.5	77.6	80	30.3			
5	Cb-Cu	Ac	Ci	3	4	2500		bc	bc	9	E	4	1011.9	84.0	79.0	80	31.9			
6	Cu	-	Ci	1	1	3500		bcb	b	9	ESE	1	1011.2	82.0	75.0	71	26.6			
7	Cb-Cu	Ac	Ci	1	2	2000		b	bjp	8	ESE	3	1010.6	84.4	77.4	71	28.7			
8	Cu-Cb	Ac	Ci-Cs	Tr.	4	2500		bcopltbc	bc	9	ESE	4	1010.1	83.9	76.7	71	28.2			
9	Cb-Sc	Ac	-	3	6	2000		ozcpbc	bcz	8	SW	1	1011.9	78.7	76.0	88	29.5			
10	Cu	Ac	-	1	2	2000		bcb	b	8	ESE	6	1012.4	82.2	77.2	79	29.7			
11	Cu	-	Ci	Trace		3000		bcjpopqc	b	8	ESE	6	1013.3	83.0	75.4	69	26.7			
12	Cu	-	-	1	1	3000		bccpocbc	b	9	E	6	1012.8	83.7	76.0	69	27.2			
13	Sc-Cu	-	Ci	8	9	3000		bbcljpc	o	8	ESE	4	1012.5	82.2	76.1	74	27.8			
14	Cb-Cu	Ac	-	4	5	1500		bclcbc	bcjp	7	ESE	2	1011.5	83.1	78.0	79	30.5			
15	Cu	Ac	-	Tr.	3	2500		opcbc	bc	9	SE	1	1011.7	81.1	75.6	77	27.8			
16	Cu	Ac	-	Tr.	7	2500		ocblc	c	9	ESE	1	1011.1	81.0	75.7	77	27.8			
17	Cu	Ac	Ci	Tr.	3	2500		bcocbc	bc	9	SSW	1	1010.7	79.8	76.2	84	29.2			
18	Cu-Cb	Ac	-	Trace		2500		b	b	9	SSW	1	1011.4	80.8	76.4	81	29.0			
19	Cb-Cu	Ac	Ci	4	6	2000		bcpcjpbc	bc/p	9	SW	1	1013.8	78.9	77.2	92	31.0			
20	Cu	Ac	Ci	Tr.	1	2000		b	b	9	Calm	0	1013.9	80.6	77.0	84	30.0			
21	Cb-Cu	Ac	-	6	8	2000		bcjpc	c/p	8	SSE	1	1014.0	78.2	76.6	92	30.3			
22	Cu	-	Ci	2	2	2500		bcpb	b	9	ESE	3	1014.1	82.2	77.9	82	30.8			
23	Cb	As	-	4	10	1000		cbcpbcp	op	6	E	4	1014.6	77.0	76.0	95	30.1			
24	Cu-Cb	Ac	Ci	Tr.	9	2000		obctlbcjp	o	8	SE	1	1015.6	80.5	76.1	81	28.8			
25	Cu	Ac	Ci-Cs	Tr.	2	2500		ocbcbbc	b	9	ESE	3	1016.2	82.7	76.8	75	28.6			
26	Cb-Cu	Ac	Ci	7	8	1500		bc	cjp	8	ESE	3	1016.8	76.2	73.8	89	27.5			
27	Cu	-	Ci	Tr.	1	2000		oopbcz	b	8	ESE	3	1015.4	81.9	75.3	72	26.8			
28	Cu	-	Ci	3	7	2500		cpbc	cjp	9	E	3	1013.8	83.1	78.7	82	31.7			
29	Cb-Cu	Ac	Ci	3	9+	2000		ocbccpop	op	8	NE	4	1015.5	81.8	76.8	79	29.3			
30	Cu-Cb	Ac	Ci	3	4	2000		bbccplbc	bc	8	ESE	3	1016.6	81.1	76.3	80	28.9			
31	Cu	Ac-As	Ci	2	8	2500		bcpbcjp	c	8	ESE	4	1015.7	82.8	75.9	72	27.6			
Means	-	-	-	2.1	4.9	2200		-	-	8	-	3	1013.3	81.2	76.5	80	29.0			

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APIA OBSERVATORY

METEOROLOGICAL OBSERVATIONS.

3 p.m. July 1947.

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 (°F).	Wet Bulb (°F).	Relative Humidity (%).	Vapour Pressure (Millibars).	Upper Cloud. Type observed.	Direction whence coming.	Speed: Height Ratio.
1	Cb-Cu	Ac	Ci	4	9+	2000		ojpp	ojp	8	ESE	6	1011.6	83.2	77.8	67	26.1			
2	Ns	-	-	10	10	1000		ojpor	or	6	S	1	1012.2	75.4	74.0	93	27.1			
3	Cb-Cu	Ac	Ci	2	5	2000		opcbc	bc	8	ESE	4	1010.8	86.0	79.7	75	31.8			
4	Cu	Ac	Ci	4	6	2000		bbc	bc	8	ESE	4	1009.6	86.0	78.0	68	28.8			
5	Cu	-	Ci-Cs	3	6	2500		bc	bcjp	9	ENE	2	1009.7	87.8	79.9	70	31.5			
6	Cu	-	Ci	1	1	2500		b	b	9	E	6	1008.9	85.8	79.7	75	31.6			
7	Cb-Cu	Ac	Ci	1	2	2500		bjpb	b	9	E	6	1008.0	86.6	79.4	72	31.2			
8	Cu	Ac-As	Ci	2	9	3000		bccpo	oz	8	ESE	6	1007.3	85.6	78.4	71	29.7			
9	Cb-Sc	Ac-As	Ci-Cs	2	9	2000		bczcop	ojp	8	ESE	4	1009.8	81.9	77.7	82	30.5			
10	Cb-Cu	Ac	-	2	3	2000		bbc	bcjp	8	E	6	1010.5	84.3	78.9	78	31.3			
11	Sc-Cu	Ac	-	2	3	2000		bbcjp	bcjp	8	ESE	5	1010.1	85.3	77.8	70	29.1			
12	Cu	-	-	2	2	2000		bbz	bz	8	E	6	1010.0	85.5	77.6	69	28.8			
13	Cu	-	Ci	1	1	3500		ocpbc	b	9	ESE	4	1009.2	86.0	79.9	75	31.8			
14	Cu-Cb	Ac-As	-	1	9+	2000		bcjpcopt	o/p	8	ENE	3	1008.7	81.1	78.2	87	31.9			
15	Cu	Ac	-	3	8	2000		bcc	c	8	E	3	1008.3	86.0	78.8	71	30.1			
16	Cu	Ac	-	2	3	2500		cbcbbc	bc	9	E	4	1008.3	85.7	79.1	74	31.2			
17	Cu-Cb	Ac	Ci	3	8	1500		bcc	cjp	8	E	3	1008.4	85.8	79.5	75	31.6			
18	Cu	-	Ci	2	3	2500		b	bc	9	NNW	2	1009.5	85.9	79.0	73	30.9			
19	Cb-Cu	As-Ac	Ci	7	9+	1500		ctopot	ojpt	8	SSW	3	1012.4	79.0	75.0	82	27.8			
20	Cb-Cu	Ac	Ci	3	5	2500		bbc	bc	9	ENE	2	1011.6	86.1	79.2	73	31.2			
21	Cb-Cu	Ac	Ci	6	7	2000		opcjp	cjp	8	ENE	3	1011.3	84.5	78.9	77	31.2			
22	Cu	-	Cs	5	7	2000		bcc	c	8	SSE	5	1011.5	85.9	79.8	76	32.2			
23	Cb	As-Ac	Ci	Tr.	9+	2000		opqo	o	8	SSW	1	1011.6	77.8	76.6	94	30.6			
24	Cu	Ac	Cs	1	9+	2500		o	o	9	E	4	1012.6	85.6	78.8	73	30.7			
25	Cu	-	Ci	1	3	3000		bbc	bc	9	E	4	1013.3	86.0	78.7	71	30.1			
26	Cb-Cu	Ac-As	Ci	2	9	2000		cpcjpo	ojp	8	ESE	5	1013.3	83.8	78.5	78	30.9			
27	Cu	-	Ci	1	1	3000		b	b	9	E	6	1011.4	84.2	76.1	67	26.9			
28	Cu	-	Ci-Cs	3	9	3000		cjpbcpco	o	9	E	3	1011.3	86.1	78.9	71	30.3			
29	Cu	Ac	Ci	Tr.	1	3000		opcpbcb	b	9	ESE	4	1012.7	86.5	79.8	77	33.3			
30	Cu	-	Ci	1	2	3000		bcpbcb	b	9	E	4	1013.8	87.1	78.8	68	29.9			
31	Cu	-	Ci	1	5	3000		cbc	bc	9	ESE	5	1013.1	86.0	77.0	65	27.6			
Means	-	-	-	2.5	5.7	2300		-	-	8	-	4	1006.7	84.6	78.4	75	30.3			

METEOROLOGICAL OBSERVATIONS.

July 1947.

Day of Month.	Thermometers. Maximum (°F)	Minimum (°F)	Grass Minimum (°F)	Black Bulb in vacuo (°)	Rainfall (ins.)	Sunshine (hrs.)	Heat Integrator.	Evaporimeter. (ins.)
1	83.9	73.7	70.8		0.39	1.0		.094
2	83.9	74.8	72.8		1.47	0.7		.063
3	87.2	74.2	70.0		0.14	6.9		.083
4	86.5	73.8	70.1		0.06	10.0		.122
5	88.8	77.1	73.1		0.03	10.0		.106
6	86.9	70.4	66.1		-	10.8		.114
7	86.7	73.8	69.2		0.63	10.2		.110
8	85.9	74.6	71.9		0.71	6.8		.094
9	84.9	74.0	70.7		0.30	2.0		.098
10	86.5	77.8	74.5		1.13	8.0		.094
11	86.0	74.3	68.4		0.04	8.9		.181
12	86.0	78.2	74.2		-	10.1		.153
13	87.3	79.0	74.9		trace	8.1		.106
14	84.0	76.1	73.2		0.11	2.6		.067
15	86.9	72.4	69.2		trace	6.2		.090
16	87.5	72.7	68.7		trace	10.3		.094
17	87.8	73.3	69.7		-	6.5		.079
18	86.2	72.8	68.6		0.48	9.8		.079
19	84.6	75.4	70.1		0.40	4.2		.028
20	86.5	71.3	68.2		0.08	10.2		.090
21	86.9	73.0	70.1		0.03	7.7		.075
22	87.4	73.8	70.1		0.37	9.8		.106
23	81.5	76.1	73.8		0.85	0.1		.016
24	88.0	71.8	68.8		-	10.4		.059
25	86.8	72.1	68.3		-	10.9		.094
26	86.8	72.7	69.0		0.29	4.4		.083
27	85.2	74.7	68.4		0.04	10.8		.118
28	87.4	73.8	70.8		0.14	8.5		.102
29	86.9	76.5	72.8		0.02	9.4		.114
30	87.4	77.3	73.7		0.26	9.6		.106
31	86.3	74.4	70.7		0.38	10.4		.138
Total	-	-	-		8.35	235.3		2.956
Mean	86.3	74.4	70.7		-	7.6		0.095

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METEOROLOGICAL OBSERVATIONS.

9 a.m. August 1947.

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 (°F).	Temperature and Humidity. Wet Bulb (°F).	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	Ac-As	Ci	5	9+	1500		bcccojp	o/p	7	3SE	2	1016.0	75.8	74.1	92	28.0			
2	Cu	Ac	Ci	1	1	3000		ortlcpbc	b	9	ESE	4	1014.7	82.0	74.0	67	25.0			
3	Cu	Ac	Ci	Tr.	8	3000		opqcbcc	c	8	ESE	4	1015.7	82.5	73.7	64	24.3			
4	Cu	Ac	-	2	2	2000		cbcb	b	9	ESE	4	1015.6	82.0	74.0	67	25.0			
5	Cu	Ac	Ci	Tr.	9+	4000		bcjpco	o	8	ESE	3	1014.2	80.3	75.1	78	28.3			
6	Sc-Cu	Ac	Ci	4	9+	3000		oojp	ojp	8	Calm	0	1013.6	79.1	72.9	73	24.8			
7	Cu	Ac	Ci	1	9+	2000		occjp	ojp	8	SE	3	1014.1	79.6	73.0	72	24.8			
8	Cu-Sc	Ac	Ci	Tr.	7	2000		oc	c	9	NNE	1	1013.3	80.5	73.0	69	24.5			
9	Sc-Cb	Ac-As	Ci	2	9+	2000		ocloocjp	ojp	8	ESE	5	1012.6	79.7	73.6	74	25.7			
10	Cb-Cu	As-Ac	Ci	2	9+	2500		ocop	ojp/p	8	SE	2	1011.7	79.3	76.1	86	29.4			
11	Cu	-	-	3	3	2500		bjp	bc	8	ESE	4	1011.7	81.8	76.8	79	29.3			
12	Cu	Ac	-	Trace		2500		bbjpbp	b	9	E	1	1013.3	80.8	74.6	74	26.6			
13	Cu	-	-	Trace		3000		b	b	9	ESE	4	1013.1	83.0	75.9	71	27.4			
14	Cu	-	-	Trace		2500		b	b	9	ESE	3	1012.5	82.8	75.5	70	26.8			
15	Cb-Sc	Ac	-	5	8	2000		bbccido	cjp/p	8	E	6	1011.7	82.5	77.8	80	30.4			
16	Cu-Cb	Ac	-	5	9+	1500		copo	ojp/p	8	ESE	4	1011.8	79.3	76.4	87	29.7			
17	Cu	Ac	Ci	4	8	3000		cjpcpcbc	c	8	ENE	3	1012.6	82.6	77.5	79	30.1			
18	Cu-Sc	Ac	-	6	9	6000		bbcco	o	9	Calm	0	1012.5	80.1	75.7	81	28.4			
19	Cu	Ac-As	-	Tr.	9+	3000		oopctcjp	ojp	9	SSW	1	1012.3	79.5	74.4	79	27.2			
20	Cb-Cu	Ac	-	4	8	2000		copcbcc	cjp	9	SSW	1	1012.8	78.8	74.9	83	27.9			
21	Cb-Sc	Ac-As	-	Tr.	9+	2000		cbcco	ojp	8	ESE	3	1012.9	82.3	76.1	74	27.9			
22	Cu	Ac	-	Tr.	1	2500		opr2cbcb	b	9	ESE	3	1012.7	81.9	76.3	76	28.3			
23	Cb-Cu	Ac	-	1	5	2000		bccpbc	bc	9	SE	2	1011.4	81.2	72.6	64	23.3			
24	Cu	Ac	Cs	Tr.	1	3000		cocbcbz	b	9	E	2	1012.0	81.0	74.0	71	25.7			
25	Cu	-	-	Trace		4000		cbcb	b	9	SSE	2	1013.4	78.1	71.8	72	23.7			
26	Cu	-	-	3	3	4000		bbc	bc	9	ESE	5	1014.0	79.6	71.0	64	22.2			
27	Cb-Cu	-	-	2	2	3000		bbcbjpb	b	9	ESE	2	1013.8	82.9	76.2	72	27.7			
28	Cu	-	Cs	8	9+	3000		bcco	o	8	ESE	2	1014.5	81.5	76.0	78	28.6			
29	Cu	Ac	-	3	3	3000		ocbcbbc	bc	8	ESE	2	1015.8	82.5	75.6	72	27.3			
30	Cu	Ac	-	Tr.	8	2500		b	c	9	WNW	2	1015.0	80.3	75.0	77	28.0			
31	Cu-Sc	Ac-As	Cs	1	9	2500		opcbbcc	ojp	8	ESE	1	1014.5	82.7	76.4	74	28.3			
Means	-	-	-	2.0	6.0	2700		-	-	9	-	3	1013.4	80.8	74.8	75	26.9			

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METEOROLOGICAL OBSERVATIONS.

3 p.m. August 1947.

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 (°F).	Wet Bulb (°F).	Relative Humidity (%).	Vapour Pressure (Millibars).	UPPER CLOUD. Type observed.	Direction whence coming.	Speed: Height Ratio.
1	Cb	As	-	3	10	1000		ojpopt	ortl	5	E	5	1013.4	76.0	75.1	95	29.1			
2	Cu	-	Ci	1	2	2500		b	b	8	E	6	1011.7	84.8	76.2	66	26.9			
3	Cb-Cu	-	Ci-Cs	Tr.	7	5000		c	c	8	E	5	1014.0	83.0	74.8	67	25.8			
4	Cu-Sc	Ac	Ci	2	4	2000		bbcjpb	bcjp	8	ESE	5	1012.3	84.4	76.2	67	27.0			
5	Cu-Sc	Ac-As	-	Tr.	10	5000		o	o	8	ESE	4	1011.1	81.5	73.8	68	25.0			
6	Cu	Ac	Ci	1	9	3000		o	o	9	ESE	3	1011.2	84.2	74.6	62	24.9			
7	Cu	Ac-As	Ci	2	9+	2500		ojp	o	8	E	4	1012.0	83.0	74.7	66	25.5			
8	Sc	Ac	Ci	5	9+	6000		cbcco	o	9	SE	2	1009.9	85.2	75.3	61	25.2			
9	Cu	Ac-As	-	1	10	3000		ojp	o	9	SE	2	1010.4	80.7	74.3	73	26.2			
10	Cu	Ac	Ci	1	2	2000		opcbcb	bjp	9	E	3	1008.8	84.9	77.2	69	28.3			
11	Cu	Ac	-	2	2	2500		bcb	b	9	ESE	5	1008.8	85.2	78.2	72	29.8			
12	Cu	Ac	Ci	1	1	2500		b	b	9	E	5	1010.1	84.5	77.9	73	29.5			
13	Cu	-	-	1	1	3000		b	b	9	E	6	1009.5	84.7	76.9	69	28.2			
14	Cu	Ac	-	Tr.	1	3000		b	b	9	E	5	1008.8	84.2	77.7	73	29.3			
15	Cu-Cb	Ac	Ci	5	8	2000		cjppop	cjp	8	SE	3	1009.3	80.2	76.8	85	29.9			
16	Cu	Ac	-	7	9	1500		opcpo	o	8	ESE	5	1009.5	82.5	77.1	81	30.7			
17	Cu	-	Ci	2	2	3000		cbcb	b	9	ENE	3	1009.1	86.2	79.0	71	30.3			
18	Cu	Ac	-	8	9	2000		ocbcco	o	8	ENE	2	1010.0	85.9	78.1	70	29.7			
19	Cu-Cb	Ac	Cs	3	8	2000		ojp	cjp	9	ESE	3	1009.2	86.6	79.1	71	30.8			
20	Cb-Cu	Ac	-	6	7	2000		cjpojpc	cjp	8	ENE	3	1009.9	83.1	78.0	79	30.5			
21	Cu	Ac	-	2	9	2000		ojppo	o	8	ENE	3	1010.6	84.9	77.0	69	28.3			
22	Cu	Ac	-	1	5	3000		bbcjpcbc	bc	9	E	4	1010.0	84.9	77.8	72	29.5			
23	Cu	Ac	-	3	8	2000		bccjp	c	8	WNW	1	1007.9	83.6	76.4	71	28.0			
24	Cu	Ac	Cs	2	7	3000		bbc	c	9	ENE	2	1008.9	85.2	75.4	62	25.7			
25	Cu	-	-	Trace		5000		b	b	9	E	5	1010.5	82.1	73.4	65	24.3			
26	Cu	-	-	Trace		4000		bcb	b	9	E	5	1010.6	83.0	73.9	64	24.7			
27	Cu	-	-	5	5	2000		bbc	bc	9	ENE	2	1011.3	85.7	77.7	69	29.0			
28	Cu	-	Cs	1	9	3000		o	o	8	NNE	2	1012.0	85.0	77.1	69	28.4			
29	Cu	Ac	-	Trace		4000		bcb	b	9	E	5	1012.8	85.0	74.9	61	25.1			
30	Cb-Cu	Ac	Ci	4	9	2000		cbccojp	ojp	8	E	5	1011.6	87.8	78.3	64	28.8			
31	Sc-Cb	As-Ac	-	3	10	1000		ojpopo	op	7	ESE	4	1011.9	83.3	76.9	73	28.5			
Means	-	-	-	2.3	5.9	2800		-	-	8	-	4	1010.6	83.9	76.5	70	27.8			

METEOROLOGICAL OBSERVATIONS.

August 1947.

Day of Month.	Thermometers. Maximum (°F)	Minimum (°F)	Grass Minimum (°F)	Black Bulb in vacuo (°)	Rainfall (ins.)	Sunshine (hrs.)	Heat Integrator.	Evaporimeter. (ins.)
1	83.7	75.1	72.8		0.33	0.7		.114
2	85.9	74.8	71.1		0.02	7.7		.181
3	85.9	75.9	69.0		-	6.7		.196
4	85.5	76.3	69.8		-	8.4		.189
5	85.5	76.2	72.0		-	2.8		.138
6	85.4	70.8	67.4		-	5.3		.134
7	84.9	74.4	69.3		-	2.2		.118
8	87.2	71.6	69.9		trace	6.7		.141
9	82.2	76.7	73.4		0.27	0.2		.090
10	85.1	73.1	70.2		0.17	8.7		.083
11	86.1	71.2	68.0		trace	10.7		.114
12	86.1	71.5	67.8		-	10.9		.106
13	86.4	71.9	67.3		-	10.8		.114
14	85.5	71.4	66.8		trace	10.5		.122
15	86.3	71.2	67.7		0.72	4.5		.153
16	85.0	73.0	72.7		0.11	4.2		.067
17	87.0	74.6	71.5		-	9.8		.094
18	86.7	72.8	70.6		0.01	5.3		.079
19	86.9	72.5	68.8		0.06	7.2		.094
20	86.0	73.0	70.0		-	7.0		.075
21	86.0	71.8	69.4		1.26	3.5		.075
22	85.9	71.8	70.9		trace	9.2		.102
23	86.1	72.1	69.1		-	6.2		.098
24	86.5	71.6	67.9		-	10.7		.118
25	83.2	67.1	61.3		-	11.1		.138
26	83.6	67.7	62.4		-	10.8		.165
27	87.0	74.8	70.8		trace	8.5		.098
28	85.8	73.8	68.8		-	9.4		.098
29	85.7	72.7	68.2		-	10.7		.126
30	88.7	71.7	67.0		0.03	6.8		.102
31	86.5	72.8	69.2		0.05	3.2		.079
Total	-	-	-		3.03	220.4		3.601
Mean	85.8	72.8	69.1		-	7.1		0.116

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METEOROLOGICAL OBSERVATIONS.

9 a.m. September 1947.

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 (°F).	Wet Bulb (°F).	Relative Humidity (%).	Vapour Pressure (Millibars).	Upper Cloud. Type observed.	Direction whence coming.	Speed: Height Ratio.
1	Cu	Ac	Ci	2	9+	3000		opo	o	9	ESE	4	1014.5	83.2	76.1	71	27.6			
2	Cu	Ac	Ci	1	2	3500		cjpcpbc	b	9	ESE	4	1013.9	83.3	78.2	79	30.8			
3	Cu	Ac	Ci	1	1	4000		bcjpocbc	b	9	ESE	2	1015.9	83.6	76.8	73	28.7			
4	Cu	Ac	-	1	3	2000		bcjpb	bc	8	ESE	4	1016.2	83.7	76.6	71	28.0			
5	Cu	Ac-As	Ci	Tr.	9+	2500		cjpcltop	o	8	E	3	1015.9	83.0	77.7	78	30.1			
6	Cu	Ac	Ci	2	5	3000		ocbcbbcc	bc	8	ESE	3	1014.3	84.0	77.4	73	29.1			
7	Cu	Ac	Ci	Tr.	1	4000		cbcb	b	9	ESE	2	1014.2	83.5	77.2	74	29.0			
8	Cu	Ac	Ci	Tr.	8	3000		bbccopc	c	9	E	4	1015.9	84.1	77.9	75	30.0			
9	Cb-Sc	Ac-As	Ci	5	9	1500		ojpoplt	optl	7	SE	2	1018.7	82.0	77.0	79	29.5			
10	Cu	-	Ci	1	2	4000		bcb	b	9	ESE	4	1015.4	84.4	76.6	69	27.8			
11	Cu	-	Ci	2	7	3000		bjpbcpbc	c	9	ESE	5	1014.2	84.1	76.9	71	28.4			
12	Cu	-	Ci	Tr.	6	4000		ozopcbc	bc	9	ESE	3	1014.1	84.1	76.2	68	27.2			
13	Cb-Cu	Ac	Ci	Tr.	9	2500		ocbcop	o	8	ESE	5	1014.4	83.7	77.4	74	29.2			
14	Cb-Cu	As	Ci	Tr.	9+	2500		bcojpp	o	8	ESE	3	1014.3	82.0	75.6	73	27.3			
15	Cb	As	-	3	10	2000		optlq	oro	7	ESE	3	1014.5	76.2	74.5	92	28.4			
16	Cb-Cu	As	Ci	7	9+	1500		opor	ojp	8	E	3	1011.4	79.1	77.0	90	30.5			
17	Cu	Ac	Ci	Tr.	1	3000		optlb	b	9	W	1	1012.7	82.6	76.8	76	29.0			
18	Cb-Cu	-	Ci	Tr.	1	2000		bbcbjp	bjp	9	NE	1	1013.2	82.5	76.7	76	28.8			
19	Cb-Cu	Ac	Ci	Tr.	4	2500		bcjpocbc	bc	9	N	2	1013.4	83.2	77.4	76	29.5			
20	Cu	Ac	-	Trace		3000		bcb	b	9	NE	1	1013.5	81.7	76.5	78	28.8			
21	Cu-Cb	-	Ci	Tr.	2	3000		bbczb	b	9	ENE	1	1013.5	82.0	75.0	71	26.5			
22	Cu	-	Ci	Tr.	1	3500		bcb	b	9	E	4	1013.4	82.3	74.8	69	26.0			
23	Cu	Ac	Ci	Tr.	2	3500		cbcb	b	9	E	4	1013.3	84.4	75.0	63	25.5			
24	Cb-Cu	As-Ac	-	3	9+	1500		orltr	op/t	8	WSW	1	1013.8	76.6	75.7	96	30.0			
25	Cu	-	-	3	3	2000		ocbcpb	bcjp	8	ESE	3	1012.6	84.6	79.0	77	31.3			
26	Cb-Cu	Ac	Ci	Tr.	1	2000		bbccorcb	bjp	9	ESE	2	1011.5	83.9	78.1	76	30.2			
27	Cu-Cb	Ac	Ci	5	7	2000		bcoltirp	cp	8	ESE	6	1010.7	82.3	78.4	83	31.3			
28	Cu	As	Cs	Tr.	9+	3000		bcjpopoz	o	8	ESE	5	1010.8	84.0	76.5	77	30.7			
29	Cu-Cb	Ac-As	-	2	10	1500		ojpop	o/p	8	ESE	4	1011.1	77.7	75.8	91	29.5			
30	Cb	Ac-As	-	3	10	2000		opltoop	op	7	ESE	1	1011.6	79.0	75.6	85	28.8			
31																				
Means	-	-	-	1.4	5.5	2700		-	-	8	-	3	1013.8	82.4	76.7	77	28.9			

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METEOROLOGICAL OBSERVATIONS.

3 p.m. September 1947.

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 (°F).	Wet Bulb (°F).	Relative Humidity (%).	Vapour Pressure (Millibars).	UPPER CLOUD. Type observed.	Direction whence coming.	Speed; Height Ratio.
1	Cu-Cb	-	Ci	1	8	2000		ojp	cjp	8	E	5	1011.3	84.6	77.8	73	29.7			
2	Cu-Cb	Ac	Ci	3	5	2000		bbcjp	bcjp	9	E	3	1012.9	87.0	79.1	69	30.3			
3	Cu-Cb	Ac	Ci	2	3	2000		bbcbjp	bcjp	9	E	6	1013.7	85.1	79.0	75	31.0			
4	Cu-Cb	Ac	Ci	2	7	2000		bcbbcc	cjp	8	ESE	5	1014.0	84.2	77.0	71	28.5			
5	Cu-Cb	Ac-As	Ci-Cs	2	9	2000		o	o	8	ESE	3	1012.5	84.8	78.2	73	29.9			
6	Cu-Cb	Ac	Ci	Tr.	8	2000		bcco	c	8	E	2	1011.1	86.8	78.0	66	28.8			
7	Cu-Cb	Ac	Ci	Tr.	2	2500		b	b	8	E	3	1011.0	86.6	79.2	71	30.7			
8	Cu-Cb	Ac	Ci	2	9	2000		c	ojp	8	ENE	3	1013.9	87.4	79.8	70	31.1			
9	Cu	Ac	Ci	1	3	2500		optlcbc	bc	8	E	4	1014.0	85.7	78.7	72	30.3			
10	Cu	Ac	Ci	1	2	2000		bbjp	bjp	8	E	6	1011.5	85.2	77.9	71	29.4			
11	Cu	As	Ci	Tr.	9+	3000		co	oz	8	ESE	4	1010.8	85.2	76.7	66	27.3			
12	Cu	-	Ci-Cs	Tr.	9+	3000		bcco	o	9	E	5	1010.9	86.1	77.8	67	28.5			
13	Cu	Ac	Ci	1	6	2500		ocbc	bc	8	E	5	1011.9	86.7	77.5	65	28.2			
14	Cu	Ac-As	Ci	Tr.	9+	2000		o	o	8	E	5	1010.9	84.3	77.5	72	29.0			
15	Cu	Ac-As	-	Tr.	9+	2500		oroo	o	8	ESE	4	1010.3	82.4	77.7	80	30.3			
16	Cb-Fcu	As	-	8	10	1500		ojppqt	op/t	7	S	2	1009.8	75.5	74.5	95	28.6			
17	Cb-Cu	Ac	Ci-Cs	2	3	2000		bbccbc	bc	9	NNW	2	1009.9	84.4	77.5	72	29.1			
18	Cb-Cu	Ac	Cs	3	6	2000		bjpbcjp	bcjp	8	NNW	1	1010.8	83.1	77.4	76	29.4			
19	Cu-Cb	Ac	-	3	3	2500		bcbjpbc	bc	9	ENE	3	1010.7	86.5	78.0	67	28.9			
20	Cu	-	Ci	2	2	3500		b	b	9	E	5	1010.3	84.7	77.8	72	29.3			
21	Cu	Ac	Ci	4	6	3000		bbc	bc	9	E	5	1009.7	83.2	77.2	75	29.2			
22	Cu	Ac	Ci-Cc	2	7	3000		bbcc	c	9	E	5	1010.2	85.1	77.5	70	29.0			
23	Cu-Sc	Ac	Ci	5	6	3000		bbc	bc	8	E	6	1010.6	83.5	78.8	81	31.7			
24	Cb-Cu	Ac-As	Ci	3	9+	2000		opt	ojp	8	ESE	2	1011.1	83.8	78.6	79	31.3			
25	Cu	-	Ci	2	2	3000		bcpbcjpb	b	8	ESE	3	1010.1	86.6	80.6	76	32.9			
26	Cu-Cb	Ac	Ci-Cc	3	6	2000		bcjp	bcjp	9	E	2	1009.1	87.1	79.9	72	31.7			
27	Cb-Cu	Ac	Ci	3	6	2500		cpbcjp	bcjp	8	ESE	5	1008.2	85.6	78.0	70	29.3			
28	Cb-Cu	Ac	Cs	1	9+	2500		ozoojp	o	8	ESE	5	1008.0	85.7	77.6	68	28.7			
29	Cb-Cu	As	-	7	10	1000		opq	op	6	ESE	3	1008.8	78.7	76.0	88	29.5			
30	Cu-Ns	-	-	10	10	2000		opor	or	7	SSE	3	1010.8	75.1	73.7	93	27.7			
31																				
Means	-	-	-	2.4	6.6	2300		-	-	8	-	4	1011.0	84.4	77.8	74	29.6			

METEOROLOGICAL OBSERVATIONS.

September 1947.

Day of Month.	Thermometers. Maximum (°F)	Minimum (°F)	Grass Minimum (°F)	Black Bulb in vacuo (°)	Rainfall (ins.)	Sunshine (hrs.)	Heat Integrator.	Evaporimeter. (ins.)
1	85.7	72.4	68.3		0.01	8.1		.098
2	88.5	73.3	69.3		0.00	9.3		.106
3	87.5	73.8	70.4		-	9.6		.153
4	87.5	76.7	73.3		0.03	10.2		.118
5	86.1	74.6	72.6		-	5.5		.090
6	87.7	72.3	68.8		-	10.8		.118
7	87.6	73.0	70.1		0.07	11.0		.098
8	87.8	73.9	71.4		0.29	9.3		.094
9	86.6	74.6	72.6		trace	7.1		.126
10	86.9	75.2	72.6		0.01	10.0		.161
11	87.2	77.6	74.8		0.03	8.1		.138
12	88.5	75.5	71.3		0.07	10.7		.161
13	87.0	76.3	73.3		0.26	9.8		.138
14	87.1	75.6	73.0		0.18	6.2		.138
15	82.9	75.2	72.4		0.77	0.0		.079
16	83.0	75.0	73.7		1.16	2.2		.028
17	84.7	73.0	71.1		-	10.8		.102
18	85.9	73.1	70.8		0.06	9.8		.098
19	87.0	74.6	73.0		-	11.3		.130
20	86.2	71.7	68.5		-	11.1		.122
21	87.0	71.4	67.9		-	10.1		.126
22	85.3	69.8	65.7		-	9.6		.130
23	86.7	70.0	65.9		1.78	9.1		.067
24	86.2	73.8	71.5		0.04	5.7		.067
25	87.9	73.3	70.7		1.28	11.2		.086
26	87.7	74.5	72.0		0.05	8.7		.083
27	86.4	74.8	71.7		0.11	7.8		.106
28	86.8	76.6	72.7		1.63	6.9		.098
29	81.3	75.2	73.0		0.75	0.0		.028
30	82.5	73.9	71.7		1.65	0.0		.008
31								
Total	-	-	-		10.23	240.0		3.095
Mean	86.3	74.0	71.1		-	8.0		0.103

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METEOROLOGICAL OBSERVATIONS.

9 a.m. October 1947.

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 (°F).	Wet Bulb (°F).	Relative Humidity (%).	Vapour Pressure (Millibars).	Upper Cloud. Type observed.	Direction whence coming.	Speed; Height Ratio.
1	Cu	Ac-As	-	Tr.	9	2500		oro	o	8	ESE	2	1011.4	83.1	77.1	75	28.9			
2	Cb-Cu	Ac-As	-	4	9+	2000		ojpopojp	ojp	8	SSW	1	1011.5	79.6	77.2	89	30.8			
3	Cb-Cu	Ac	-	5	5	2500		ocbctbjp	bcjp	8	ESE	3	1011.8	82.9	77.2	76	29.2			
4	Cu	Ac	-	2	2	2500		cocbcpb	b	9	E	2	1011.6	83.3	77.8	77	30.0			
5	Cb-Cu	Ac	-	2	3	3000		ojpcbc	bc	9	NNE	2	1010.3	81.3	77.0	82	29.9			
6	Cu	Ac	-	Tr.	1	3000		bccoclbc	b	9	SSW	3	1009.5	81.6	73.3	66	24.3			
7	Cu	Ac	-	Tr.	1	4000		b	by	9	SSW	2	1010.2	81.1	71.1	59	21.4			
8	Cu	Ac	-	Tr.	1	4000		cbcb	b	9	ESE	2	1012.5	82.1	72.8	62	23.2			
9	Cu	Ac	-	6	7	2500		bbccocbc	cjp	8	NE	2	1012.7	81.7	74.4	70	25.9			
10	Cu	Ac	Ci	Trace		5000		bccocbc	b	9	Calm	0	1013.5	81.2	71.9	62	22.6			
11	Cu	-	Ci-Cs	Tr.	4	5000		bbc	bc	9	ESE	3	1013.5	82.9	75.1	68	26.2			
12	Cu	Ac-As	Ci	Tr.	9+	4000		ooplozo	o	9	ENE	2	1013.6	81.1	76.2	79	28.7			
13	Cu-Sc	Ac	-	6	7	3000		cbcbbcjp	c	9	ESE	4	1012.9	85.6	78.0	70	29.3			
14	Cu-Cb	Ac	Ci	2	8	3000		cbcbbcjp	cjp	9	ESE	1	1013.6	84.9	78.0	72	29.5			
15	Cb-Cu	Ac-As	Ci	2	8	4000		cjpbcjp	cjp	8	NW	1	1013.6	81.3	76.0	77	28.1			
16	Cb-Sc	Ac-As	Ci	5	9	2000		ojpcbcjp	ojp	8	E	4	1013.3	82.0	77.4	80	29.8			
17	Cb-Cu	Ac	Ci	6	7	2000		ojptbcop	cjp	7	ESE	5	1012.2	83.4	78.7	80	31.3			
18	Cu	As-Ac	-	Tr.	10	1500		opltr2irc	oirc	7	S	3	1013.8	73.7	72.3	93	26.5			
19	Cu	Ac	Ci	Tr.	8	3000		opcz	cz	8	WSW	1	1014.4	81.2	75.6	76	27.7			
20	Cu	Ac	-	Trace		2500		cbcb	b	8	E	4	1012.6	86.0	77.8	68	28.8			
21	Cu-Sc	Ac-As	-	Tr.	9+	2500		bcjpcop	o	9	WNW	1	1011.4	81.4	75.6	75	27.5			
22	Cu-Sc	Ac	Ci	4	7	4000		oidcoc	c	8	ESE	4	1011.5	83.1	76.3	72	27.8			
23	Cu-Sc	Ac	-	9	9+	6000		co	o	9	E	1	1012.3	83.0	76.0	71	27.4			
24	Cu-Sc	-	Ci	Trace		3000		bccocbc	b	9	ESE	2	1012.3	83.0	75.1	68	26.2			
25	Cu	Ac	Ci	1	2	4000		ocbcbl	b	9	NNE	1	1011.8	82.8	76.2	73	28.0			
26	Cu-Sc	Ac	Ci	2	4	3500		cbcpbcz	bc	9	ESE	5	1010.4	84.9	77.5	70	28.7			
27	Cu	Ac	Cs	Tr.	8	3000		czoc	c	9	ESE	4	1009.1	86.9	77.9	65	28.4			
28	Cu	Ac	Ci	1	2	3000		cjpbccbc	b	8	ESE	4	1009.5	85.9	78.1	69	29.2			
29	Cb-Cu	Ac-As	-	3	9+	2500		cbccopo	o	8	NE	4	1010.6	83.2	78.1	79	30.7			
30	Cu-Cb	Ac-As	-	2	9+	2000		opqopojp	ojp/p	8	SW	1	1011.2	77.6	76.3	94	30.3			
31	Cu-Cb	Ac	Ci	Tr.	6	3000		ojpopoc	bcjp	8	ESE	2	1009.7	84.9	77.9	72	29.5			
Means	-	-	-	2.0	5.8	3100		-	-	9	-	3	1011.9	82.5	76.1	74	27.9			

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METEOROLOGICAL OBSERVATIONS.

3 p.m. October 1947.

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 (°F).	Wet Bulb (°F).	Relative Humidity (%).	Vapour Pressure (Millibars).	UPPER CLOUD. Type observed.	Direction whence coming.	Speed : Height Ratio.
1	Cu-Cb	Ac-As	-	1	9+	2000		o	ojp	8	ESE	3	1008.6	82.6	76.5	75	28.6			
2	Cu-Cb	Ac-As	Ci	Tr.	9+	3000		ojpopto	o	8	ESE	2	1009.0	82.2	75.9	74	27.8			
3	Cu-Cb	-	Ci	2	7	2500		bccjpbc	c	9	NE	2	1009.2	84.5	77.7	73	29.5			
4	Cb-Cu	As-Ac	Ci	5	9	1000		bbccjpop	ojp	8	W	1	1009.1	78.4	76.7	92	30.5			
5	Cu	Ac	-	1	3	3000		bc	bc	9	NE	2	1007.3	84.0	77.1	72	28.7			
6	Cu	Ac	-	1	8	3000		bbcycy	cy	9	SE	2	1007.0	86.2	75.4	59	25.2			
7	Cu	Ac	-	4	7	4000		bybcc	c	9	N	1	1008.6	81.9	72.2	61	22.7			
8	Cu	Ac	-	1	2	4000		b	b	9	E	4	1009.6	84.0	75.0	64	25.5			
9	Cu	Ac	-	5	6	4000		cjpbc	bcjp	9	NW	2	1010.1	83.2	75.0	67	26.1			
10	Cu	-	Ci	Tr.	1	5000		b	b	9	E	6	1009.9	84.8	76.0	65	26.6			
11	Cu-Sc	Ac-As	Ci	Tr.	9+	5000		bcco	o	9	E	4	1010.7	85.8	77.4	67	28.3			
12	Cb-Cu	Ac	Ci	4	8	2000		ocjp	cjp	9	ENE	2	1011.0	86.0	78.5	70	29.7			
13	Cu	Ac	Ci	Tr.	5	3000		cjp	c	9	E	3	1010.8	87.3	79.6	70	31.0			
14	Cb-Cu	-	Ci	2	7	2500		cjp	cjp	9	NE	1	1011.0	86.3	78.5	69	29.6			
15	Cb-Cu	Ac	-	7	9+	2500		cjpojp	ojp	8	E	3	1011.2	84.4	78.5	76	30.7			
16	Cb-Sc	Ac-As	-	7	9+	2000		ojport	ojp	8	S	1	1011.0	79.7	76.2	85	29.4			
17	Cb-Sc	Ac	Ci	4	8	2000		cbccpt	cjp	8	ESE	4	1010.0	84.9	78.5	74	30.4			
18	Cu-Cb	As	-	3	10	1500		opqo	op	8	SSE	1	1012.0	78.2	75.8	89	29.4			
19	Cb-Cu	Ac	-	1	8	2000		czbcjpc	c	9	ESE	5	1011.7	86.2	80.0	75	32.0			
20	Cb-Cu	Ac	Ci	3	5	2000		bbc	bcjp	8	ENE	5	1009.5	85.9	79.6	75	31.8			
21	Fc-Cu	As	-	1	9+	1500		cjp	oido	8	SSE	2	1008.9	80.0	77.1	87	30.5			
22	Cb-Cu	Ac-As	-	4	8	2000		copc	c	8	ESE	5	1009.8	83.8	77.2	73	28.9			
23	Cu-Sc	-	Ci	2	2	2500		ocbcb	b	9	ENE	5	1009.9	83.8	77.3	73	28.9			
24	Cu	Ac	Ci	2	9+	2500		bbcco	o	9	E	5	1008.8	84.8	77.7	71	29.0			
25	Sc-Cb	Ac	-	7	8	2000		bbccjp	cjp	8	ENE	4	1008.8	84.5	78.9	77	31.2			
26	Cu-Sc	Ac	Ci	3	7	2000		bccjp	cz	8	E	5	1007.6	85.9	78.2	70	29.6			
27	Cu-Cb	Ac	Ci	1	7	2500		cbccjp	cjp	8	E	6	1006.5	85.1	78.1	72	29.7			
28	Sc-Cu	Ac	Ci	2	7	2500		bbcc	c	8	E	5	1007.9	86.6	79.0	70	30.3			
29	Cu-Cb	As	Cs	9	9+	2000		ocop	opq	8	NNE	3	1008.1	80.9	76.0	79	28.5			
30	Cb-Cu	Ac-As	-	1	9+	2500		ojpptojp	ojp	8	ESE	2	1008.5	84.7	78.8	76	31.0			
31	Cu-Cb	Ac	Cs-Ci	1	7	3000		bcjpcjp	cjp	8	E	2	1007.1	84.4	77.9	74	29.9			
Means	-	-	-	2.7	7.4	2600		-	-	9	-	3	1009.3	83.9	77.3	73	29.1			

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METEOROLOGICAL OBSERVATIONS.

October 1947.

Day of Month.	Thermometers. Maximum (°F)	Minimum (°F)	Grass Minimum (°F)	Black Bulb in vacuo (°)	Rainfall (ins.)	Sunshine (hrs.)	Heat Integrator.	Evaporimeter. (ins.)
1	85.2	72.7	70.6		0.70	0.8		.094
2	83.8	74.1	72.6		trace	0.9		.071
3	85.9	70.0	67.0		0.01	9.1		.086
4	86.1	72.9	70.4		0.20	6.3		.071
5	85.6	77.8	69.7		-	11.1		.126
6	87.5	70.7	65.1		-	10.9		.130
7	85.6	68.2	61.3		-	8.3		.114
8	85.2	68.7	63.4		-	9.3		.138
9	86.7	73.9	68.3		-	8.7		.134
10	87.6	71.4	61.7		-	10.6		.157
11	88.0	69.9	64.2		0.03	7.9		.110
12	87.3	74.6	70.8		-	7.3		.083
13	88.6	74.5	69.8		-	11.6		.134
14	86.8	72.0	71.8		-	9.7		.094
15	87.2	73.6	70.1		-	6.3		.086
16	83.5	73.7	70.0		0.19	2.6		.063
17	86.9	74.1	71.0		3.87	9.3		.020
18	80.8	72.2	70.9		0.19	0.0		.031
19	86.8	71.8	68.0		-	9.2		.110
20	86.5	73.2	70.1		0.08	10.1		.098
21	85.7	74.0	71.2		trace	0.1		.075
22	85.7	74.9	72.3		0.16	5.6		.094
23	85.3	73.1	69.2		-	7.7		.122
24	85.8	72.9	69.3		-	9.3		.130
25	87.8	71.9	67.9		trace	8.8		.114
26	87.2	73.5	70.0		-	7.9		.141
27	87.0	73.5	70.9		-	11.2		.185
28	88.2	76.6	73.1		0.04	9.8		.141
29	86.1	76.0	73.2		0.69	4.4		.145
30	86.0	75.2	70.9		0.21	3.2		.067
31	87.9	74.9	72.7		1.22	7.9		.071
Total	-	-	-		7.59	225.9		3.235
Mean	86.3	73.1	69.3		-	7.3		0.104

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METEOROLOGICAL OBSERVATIONS.

9 a.m. November 1947.

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 (°F).	Wet Bulb (°F).	Relative Humidity (%).	Vapour Pressure (Millibars).	UPPER CLOUD. Type observed.	Direction whence coming.	Speed : Height Ratio.
1	Cu-Fs	Ac-As	-	2	9+	1500		coportl	oiro	7	ESE	2	1010.1	78.2	76.5	92	30.3			
2	Cu	Ac	Ci	Tr.	5	3000		ojrcbc	bc	9	SSE	1	1011.7	82.9	77.2	76	29.2			
3	Cu-Cb	Ac-As	Ci	1	8	2000		bccouopt	cjp	8	SSW	1	1011.6	80.8	78.5	90	32.3			
4	Cb-Sc	Ac-As	Ci	4	8	2500		cjpopcjp	c	8	Calm	0	1010.3	83.5	77.9	77	30.2			
5	Sc-Cu	Ac-As	-	1	9	2000		opltorlp	o	8	ESE	2	1010.6	77.8	75.9	91	29.7			
6	Sc-Cu	Ac	-	2	3	3000		bbccoptc	bc	9	NNW	2	1011.1	83.6	76.9	73	28.7			
7	Cu	-	Ci	1	1	3000		opcbcb	b	9	N	2	1010.5	83.9	77.8	75	29.8			
8	Cu	Ac	Ci	7	9	3000		optojpop	o	9	NE	2	1009.7	84.3	78.8	77	31.0			
9	Cb-Cu	As-Ac	-	1	10	1500		cjpplor2	ozjp	8	SSW	1	1009.3	78.8	76.4	89	29.9			
10	Cu-Cb	Ac-As	Ci	1	9+	2000		opoiroop	ojp	8	WSW	2	1008.0	79.2	76.1	86	29.3			
11	Cb	As	-	9	10	500		orooro	op2	6	WNW	4	1010.8	75.9	75.3	97	29.7			
12	Cu	Ac	Ci	1	7	3000		ojpopc	c	9	WNW	2	1010.2	82.5	77.6	79	29.9			
13	Cu	Ac	Cs-Ci	5	9	3000		ojpopcbc	o	9	WNW	1	1010.3	82.2	76.1	75	28.2			
14	Cu	Ac	Ci	1	2	3000		opcbcb	b	9	NW	1	1008.7	83.5	77.1	74	29.0			
15	Sc-Cb	Ac	Ci	8	9+	6500		bccojp	ojp	9	Calm	0	1008.3	83.8	75.9	68	27.0			
16	Cb-Fc	As-Ac	-	4	10	1000		bcjpporo	ojr	7	Calm	0	1010.3	78.4	76.7	92	30.5			
17	Cu-Cb	Ac	Ci	3	9+	2000		ocojp	ojp	8	E	1	1011.4	83.3	77.3	75	29.2			
18	Cb-Cu	Ac-As	Ci	2	9+	3000		ojporoco	o	8	ENE	1	1011.5	83.0	76.4	73	28.2			
19	Cu	Ac-As	Ci	Tr.	9+	4000		oroorojp	o	8	SSW	1	1011.2	80.0	76.8	86	30.2			
20	Cb-Cu	Ac	Ci	1	2	3000		cjpbcb	b	9	ENE	1	1010.9	82.8	77.0	76	29.2			
21	Cu-Cb	Ac	Ci	2	3	2500		ojpopbcb	bcjp	9	ESE	2	1011.7	83.7	77.7	75	29.6			
22	Cu	As-Ac	Ci	Tr.	9+	2000		ojpoporo	oiro	9	SSW	1	1012.6	77.3	75.2	90	28.8			
23	Cb-Sc	Ac	Ci	1	6	2000		bcopbcjp	bcjp	8	SE	2	1013.0	84.0	78.1	76	30.3			
24	Cu-Sc	Ac	Ci	2	3	2500		ocpbcbbc	bcjp	8	ESE	2	1010.4	85.5	78.8	73	30.5			
25	Cu-Cb	Ac	Ci	1	8	2500		bbcpc	c	9	WNW	2	1008.4	85.0	78.6	74	30.4			
26	Cu-Cb	Ac	-	1	2	2500		ojpcbcbl	b	8	NNW	2	1009.0	83.6	78.9	80	31.5			
27	Cu	-	-	Tr.	Tr.	3000		cjpbcb	b	9	NE	1	1009.5	83.4	75.3	67	26.2			
28	Cu	Ac	Ci	Tr.	2	2500		bbcb	b	9	E	1	1010.0	84.0	75.6	66	26.4			
29	Cu	Ac	Ci	1	3	3000		bcbbc	bc	9	E	3	1009.[illegible]	86.5	79.2	71	30.6			
30	Sc-Cb	Ac-As	Ci	1	9	2000		copltopq	ojpt	8	ESE	2	1011.3	82.0	77.3	80	29.9			
31																				
Means	-	-	-	2.1	6.6	2600		-	-	8	-	2	1010.4	82.1	77.1	79	29.5			

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METEOROLOGICAL OBSERVATIONS.

3 p.m. November 1947.

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 (°F).	Wet Bulb (°F).	Relative Humidity (%).	Vapour Pressure (Millibars).	Upper Cloud. Type observed.	Direction whence coming.	Speed: Height Ratio.
1	Cu-Sc	As-Ac	Ci	1	9+	1500		orooir	ojr	8	NE	2	1007.7	82.0	77.2	80	29.8			
2	Cb-Cu	Ac	Ci	1	4	2500		bcojptop	bc	9	ENE	2	1009.0	83.9	77.9	75	29.8			
3	Cb-Cu	Ac	Ci	3	7	2000		ojptpojp	cjp	8	ESE	2	1008.9	85.2	80.0	79	32.7			
4	Cb-Fs	As	-	9	10	500		ojpopt	optl	6	ESE	3	1008.2	77.2	76.5	97	30.9			
5	Cb-Cu	Ac	Ci	1	2	2000		ocbcb	b	9	NNW	3	1007.2	83.4	77.8	77	30.2			
6	Cb-Sc	Ac	Ci	8	9	500		bcoptojp	op	7	ENE	4	1008.1	83.9	78.9	79	31.3			
7	Cu-Cb	As	-	5	9+	1500		bccop	op/t	8	SSW	2	1008.2	79.4	77.8	92	31.6			
8	Cu	Ac	Ci	4	5	3000		ocpobc	bc	9	NE	2	1006.8	85.8	79.9	76	32.1			
9	Cb-Cu	As-Ac	-	3	10	1500		ozjpop	ojp	8	NNE	2	1006.1	80.0	76.3	84	29.3			
10	Cb	As-Ac	-	1	9+	1500		ojpoporo	oro	7	SW	2	1005.8	76.3	74.3	91	28.2			
11	Cb-Cu	Ac-As	Ci	4	9+	2000		op2qojp	ojp	8	WSW	2	1007.9	78.8	75.2	84	28.3			
12	Cb-Cu	Ac-As	Ci	5	9	1500		cbccojp	ojp	8	NNW	2	1008.5	85.0	78.8	75	30.8			
13	Cb-Cu	Ac	Ci	8	9+	1500		oojp	op	7	SW	1	1008.1	78.5	75.0	84	28.0			
14	Cu	Ac	Ci	2	3	2500		bbc	bc	9	NNW	2	1006.0	85.0	78.1	72	29.7			
15	Cu-Cb	Ac	Ci	1	6	2000		ojpopoc	bcjp	9	ENE	3	1006.6	86.4	77.8	66	28.5			
16	Cu	As-Ac	-	Tr.	10	2000		ojroro	o	9	W	1	1008.2	80.0	76.1	83	29.0			
17	Cb-Cu	Ac-As	-	1	9+	2000		ojp	ojp	8	N	1	1009.2	85.2	78.3	72	29.8			
18	Cb-Sc	As	Ci	5	9+	1000		oojporo	oro	6	SW	3	1008.9	76.8	75.1	92	29.0			
19	Cb-Cu	Ac-As	Ci	3	8	2000		oc	c	8	NW	3	1008.3	83.8	77.8	75	29.8			
20	Cb-Cu	Ac-As	Ci	1	9	2500		bbccojp	ojp	8	S	1	1008.6	80.8	76.5	81	29.2			
21	Cu-Cb	Ac	-	1	9+	2000		bcjpcojp	ojp	9	E	3	1009.2	82.4	78.3	83	31.4			
22	Cu	Ac	Ci-Cs	2	6	3000		orocbc	bc	9	ENE	2	1010.5	83.9	78.7	79	31.3			
23	Cu	Ac	Ci-Cs	2	9+	3000		bcjpcbcc	o	9	ENE	2	1009.7	85.8	79.5	75	31.7			
24	Cu-Cb	Ac	Ci	Tr.	1	2000		bcjpb	b	9	N	1	1007.7	85.6	78.2	71	29.8			
25	Cu-Cb	Ac-As	-	6	9+	1500		cocpojp	ojp/p	7	NNW	4	1006.0	83.2	78.1	79	30.7			
26	Cu	Ac	-	4	7	3000		bbcc	c	9	ESE	2	1006.2	85.3	78.7	73	30.4			
27	Sc-Cu	Ac	-	1	2	4000		b	b	9	NNW	2	1007.3	85.6	76.2	64	26.9			
28	Cu	Ac	Ci	Tr.	6	3000		bbc	bc	9	ENE	2	1008.1	86.0	78.0	69	29.3			
29	Cu-Cb	-	Ci	1	8	2500		bcc	c	9	E	4	1008.1	88.1	81.0	73	33.2			
30	Cu	Ac-As	Ci	Tr.	9	3000		ojpto	o	9	ENE	2	1008.5	84.1	77.0	71	28.4			
31																				
Means	-	-	-	2.8	7.7	2100		-	-	8	-	2	1007.9	82.9	77.6	78	30.0			

METEOROLOGICAL OBSERVATIONS.

November 1947.

Day of Month.	Thermometers. Maximum (°F)	Minimum (°F)	Grass Minimum (°F)	Black Bulb in vacuo (°)	Rainfall ins. (mm.)	Sunshine (hrs.)	Heat Integrator.	Evaporimeter. (ins.)
1	83.1	73.8	72.8		trace	1.5		.067
2	86.2	73.0	70.4		0.28	11.0		.090
3	86.4	73.5	70.9		0.10	7.0		.075
4	88.5	74.6	72.2		0.73	5.7		.051
5	84.5	73.9	71.1		0.06	8.4		.079
6	87.3	72.7	69.0		0.01	7.5		.075
7	87.5	74.6	71.0		0.11	8.0		.102
8	86.5	76.9	74.1		2.88	10.5		.055
9	81.8	73.7	71.7		0.86	0.1		.051
10	83.4	74.3	72.0		2.07	1.8		.012
11	83.0	72.8	70.5		0.40	1.6		.055
12	86.2	74.7	71.0		0.68	10.2		.079
13	85.2	72.9	69.0		trace	8.3		.083
14	85.3	74.2	69.8		-	11.5		.126
15	86.8	74.5	70.6		1.02	5.7		.086
16	83.3	74.0	72.0		0.15	0.0		.047
17	86.0	73.9	71.0		0.65	2.8		.063
18	85.1	73.1	69.1		0.78	2.8		.047
19	84.8	74.0	72.1		-	7.0		.090
20	85.3	73.1	69.0		0.03	6.2		.071
21	86.0	73.8	70.1		1.51	7.0		.075
22	85.4	73.0	70.3		0.02	9.2		.079
23	87.1	73.9	70.1		0.03	8.4		.098
24	86.4	75.3	71.0		0.08	11.7		.102
25	86.4	75.7	70.9		0.31	7.5		.083
26	87.9	72.8	66.9		-	9.1		.094
27	86.3	72.7	66.6		-	12.0		.122
28	88.0	73.2	68.4		-	11.4		.118
29	88.4	74.2	68.7		0.01	10.9		.098
30	86.3	75.4	72.6		0.15	7.6		.098
31								
Total	-	-	-		12.92	212.4		2.371
Mean	85.8	73.9	70.5		-	7.1		0.079

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METEOROLOGICAL OBSERVATIONS.

9 a.m. December 1947.

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 (°F).	Wet Bulb (°F).	Relative Humidity (%).	Vapour Pressure (Millibars).	UPPER CLOUD. Type observed.	Direction whence comtug.	Speed: Height Ratio.
1	Cu-Cb	Ac-As	Ci	7	9+	1500		otlp	ojp/p	7	ESE	1	1010.2	82.9	78.0	79	30.3			
2	Cu-Cb	Ac-As	-	3	10	1500		oroplt	ojp	7	ESE	5	1009.0	80.5	77.0	84	29.9			
3	Cu	Ac	Ci	2	9+	3000		oroolroo	o	9	ESE	2	1007.6	85.1	78.9	75	31.0			
4	Cu-Cb	Ac-As	Ci	2	9+	2000		oporoc	ojp	8	WSW	1	1010.0	81.2	76.3	79	28.7			
5	Cu	Ac-As	Ci	2	8	2000		cjpopcjp	c	9	NNE	1	1009.5	81.6	76.3	77	28.4			
6	Sc-Cb	Ac	Ci	1	9	2000		ojpltopo	ojp	8	N	1	1008.0	82.1	75.7	73	27.3			
7	Cb-Cu	Ac	-	8	9	2000		ojpcpql	op	8	NNE	2	1008.1	81.0	76.9	82	29.6			
8	Cb-Cu	Ac-As	-	5	9+	2000		ojpcpqo	o/p	8	SSE	1	1009.2	80.7	76.5	82	29.3			
9	Cu	Ac-As	Ci	1	9+	2000		ojpoplto	o	8	SE	2	1008.6	81.7	78.2	85	31.4			
10	Cu	Ac	Ci	Tr.	2	3000		oopclbcb	b	9	ESE	1	1006.9	86.2	79.2	72	30.7			
11	Cu	-	Ci	Trace		3500		cojptlbc	b	9	SSW	1	1006.0	85.0	78.2	73	30.0			
12	Cu	Ac	Ci	2	3	3000		bcbbc	bc	9	E	1	1006.6	84.0	78.0	76	30.3			
13	Cb-Cu	Ac-As	-	6	10	1000		ojpopcjp	op	8	NNW	3	1005.4	81.9	78.2	84	31.3			
14	Cu-Sc	Ac-As	-	6	9+	5000		ojpopor2	o	8	NW	4	1006.4	81.5	76.2	78	28.7			
15	Cu	-	Ci-Cs	4	9+	3000		ocbcco	o	8	NNW	2	1006.0	85.1	78.4	73	30.1			
16	Cu-Cb	Ac	Ci	3	9	2000		ojpopojp	ojp	8	WSW	1	1006.4	84.0	78.3	77	30.7			
17	Cu	Ac-As	Ci	Tr.	9+	3000		oropojp	o/ro	8	WNW	2	1008.9	81.9	77.1	80	29.8			
18	Cu	Ac	-	1	1	3000		ojpopcbc	b	9	E	1	1008.6	83.7	77.3	86	33.9			
19	Cu	Ac	Ci-Cs	Tr.	9+	4000		opcbcbbc	o	9	E	4	1008.7	85.7	78.8	73	30.8			
20	Cb-Cu	Ac	Ci	6	7	2000		ocbccopc	c/p	8	E	3	1007.9	83.1	78.5	81	31.3			
21	Cu-Cb	As-Ac	Ci-Cs	1	9+	3000		opor2oro	ojp	8	E	2	1009.0	84.8	77.3	70	28.6			
22	Cb-Cu	As-Ac	Ci-Cs	6	9+	2000		opoiroop	ojp	7	NE	6	1010.1	84.0	78.5	77	30.7			
23	Cu-Cb	Ac	Ci-Cs	4	9	2000		oojpo	ojp/p	8	ENE	4	1011.2	84.2	79.7	81	32.5			
24	Cb-Cu	As-Ac	-	7	9+	2000		cojpop	ojp/p	7	ENE	2	1009.6	84.1	78.8	78	31.2			
25	Cu	As-Ac	Ci-Cs	Tr.	9+	2000		o	o	9	SSW	1	1010.3	82.5	78.0	81	30.7			
26	Cu-Sc	Ac-As	Ci	4	8	2000		ojpbcbbc	cjp	8	ESE	1	1011.6	82.6	77.5	79	30.1			
27	Cu-Cb	As	Ci-Cs	1	6	3000		ojpcbcl	bc	9	E	1	1011.5	84.3	77.6	73	29.4			
28	Cb-Cu	Ac-As	Ci-Cs	4	9+	2500		ojpoojp	ojp	8	ENE	1	1010.4	83.5	78.0	77	30.2			
29	Cu	Ac	Ci	2	3	3000		ojptopoc	bc	9	NNW	2	1009.7	83.9	79.1	80	31.9			
30	Cb	As-Ac	-	4	10	1000		oplbcor	oro	8	W	2	1008.2	74.8	72.4	89	26.2			
31	Cb	As	-	8	10	500		obcjpiro	op	6	NNE	5	1008.6	75.0	74.1	96	28.5			
Means	-	-	-	3.2	8.2	2400		-	-	8	-	2	1008.7	82.7	77.5	79	30.1			

1,000/7/32—3911] APIA OBSERVATORY

METEOROLOGICAL OBSERVATIONS.

3 p.m. December 1947.

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 (°F).	Wet Bulb (°F).	Relative Humidity (%).	Vapour Pressure (Millibars).	UPPER CLOUD. Type observed.	Direction whence coming.	Speed: Height Ratio.
1	Cu	Ac-As	-	Tr.	10	2000		ojpptor	or	7	Calm	0	1008.8	76.8	75.2	93	29.3			
2	Cu-Ns	-	-	10	10	6000		ojpporo	oro	7	SW	1	1008.2	75.1	72.9	89	26.5			
3	Cu-Cb	As	-	4	10	1500		opojp	op	6	Calm	0	1007.8	75.2	73.9	93	27.8			
4	Cb-Cu	Ac	Ci	3	8	2000		ojpcjp	cjp	8	NNE	1	1007.8	83.1	76.7	73	28.3			
5	Cu-Cb	Ac-As	Ci	3	9+	2000		bcjpcjp	ojp	8	E	1	1006.8	83.5	76.2	71	27.8			
6	Cb-Cu	Ac-As	Ci-Cs	2	9	2000		ojpopcjp	ojp	8	SE	2	1006.0	83.8	76.9	72	28.5			
7	Cb-Cu	As-Ac	-	3	9+	2000		opojp	ojp	8	NNE	4	1006.4	82.1	77.8	82	30.7			
8	Cu-Cb	Ac	Cs-Ci	4	9	2000		opojp	ojp	8	ENE	5	1007.0	84.9	79.1	77	31.6			
9	Cu-Sc	Ac-As	Ci-Cs	4	9+	2000		oojpto	o	8	NE	1	1006.0	85.1	78.8	74	30.5			
10	Cu-Cb	As-Ac	Ci-Cs	3	8	2000		bbccjpt	c	8	ENE	2	1005.1	85.0	78.6	74	30.4			
11	Cb-Cu	Ac	Ci-Cs	3	6	3000		bbcbct	bc/t	9	ENE	2	1004.1	87.2	79.8	71	31.4			
12	Cu-Cb	Ac	Ci	8	9	2000		bccjp	ojp	8	NNW	3	1004.0	85.7	79.8	76	32.0			
13	Cb-Sc	As-Ac	-	4	9+	2000		opojp	ojp	8	SSW	1	1003.8	80.6	77.0	84	29.9			
14	Cu	As-Ac	Ci-Cs	1	9	3000		o	o	9	NW	3	1003.3	85.0	78.3	73	30.0			
15	Cb-Cu	As-Ac	Ci-Cs	3	9+	2500		o	ojp	8	NNW	2	1004.0	85.7	78.8	73	30.7			
16	Cb-Cu	As-Ac	Ci-Cs	3	9+	2000		ojp	ojp	8	NW	3	1004.6	84.9	79.0	76	31.2			
17	Cb-Cu	Ac-As	Ci	6	9	2000		ocjpojp	ojp	8	NNE	4	1006.4	84.0	79.3	80	31.9			
18	Cb-Cu	Ac	Ci	6	9	2000		bbccjp	opo	8	ENE	3	1006.5	83.1	78.5	81	31.3			
19	Cb-Cu	Ac	Ci	6	9+	2000		ocbcco	o	8	ENE	4	1006.2	84.5	78.4	75	30.3			
20	Cb	As	-	6	10	2000		c	op	8	NNE	3	1005.9	78.9	75.8	87	29.4			
21	Cb-Cu	As	Ci	3	9+	2500		ojp	ojp	8	E	3	1006.2	85.7	79.0	73	30.7			
22	Cu	-	Cs	4	9+	2500		ojpo	o	8	NE	4	1008.1	85.8	80.6	79	33.3			
23	Cu	Ac	Ci	5	8	3000		ojpopoc	c	8	E	4	1008.6	87.8	80.1	70	31.5			
24	Cu	Ac-As	Cs	1	9+	3000		ojpopto	o	8	NNE	1	1007.1	83.8	78.0	79	31.3			
25	Cb-Cu	Ac-As	Ci	1	9+	2500		o	ojp	9	NE	1	1009.0	84.2	77.3	72	28.9			
26	Cu-Cb	Ac-As	Ci	4	9+	1500		cjpojpop	ojp	9	ENE	1	1009.4	85.8	78.0	69	29.1			
27	Cu-Cb	Ac-As	Ci-Cs	3	9	2500		bccpoojp	ojp	8	E	1	1009.6	85.1	79.0	75	31.0			
28	Cb-Cu	Ac-As	Ci	4	10	2000		ojpoojpt	ojp	8	SSW	2	1008.7	81.6	77.2	81	29.8			
29	Cb-Fs	-	-	10	10	800		cjpoplt	op/plt	4	ESE	2	1008.5	75.9	74.4	93	28.5			
30	Sc-Cb	Ac-As	Ci	3	10	2000		oroopco	o	9	NNW	1	1006.3	80.1	74.8	77	27.0			
31	Cu-Sc	Ac-As	-	5	9	1500		opojpc	o	8	NNE	4	1006.3	80.1	74.6	76	26.7			
Means	-	-	-	4.0	9.4	2300		-	-	8	-	2	1006.7	82.9	77.5	78	29.9			

METEOROLOGICAL OBSERVATIONS.

December 1947.

Day of Month.	Thermometers. Maximum (°F)	Minimum (°F)	Grass Minimum (°F)	Black Bulb in vacuo (°)	Rainfall (ins.)	Sunshine (hrs.)	Heat Integrator.	Evaporimeter. (ins.)
1	83.2	75.4	73.5		1.06	0.0		
2	85.1	74.3	71.6		0.49	1.4		.039
3	87.2	72.4	68.9		0.41	5.2		.051
4	84.5	72.4	69.0		0.09	7.6		.059
5	85.2	72.5	68.8		0.04	4.8		.086
								.079
6	84.2	73.3	70.3		0.98	4.3		.051
7	83.8	73.8	71.8		0.14	6.2		.169
8	86.9	76.9	71.6		0.69	8.8		.098
9	86.7	75.5	73.5		0.01	3.1		.090
10	86.9	74.0	70.5		-	7.1		.098
11	87.7	73.5	70.1		-	11.0		.098
12	87.7	74.1	71.2		0.83	9.6		.047
13	81.5	76.5	73.0		3.31	1.2		.028
14	85.8	71.8	69.3		-	4.6		.102
15	86.5	75.9	72.3		trace	7.7		.118
16	86.2	76.2	72.4		0.81	5.9		.071
17	86.8	74.2	71.8		0.07	8.6		.079
18	87.7	73.7	68.9		trace	9.9		.090
19	87.1	73.8	68.4		0.08	7.2		.094
20	86.3	73.8	68.6		1.12	5.4		.028
21	86.8	73.7	68.3		0.35	5.7		.172
22	86.0	77.9	71.3		trace	5.2		.181
23	87.9	79.9	74.2		0.80	8.0		.114
24	85.2	76.4	72.5		0.43	3.4		.063
25	85.8	75.5	72.0		-	5.9		.071
26	86.1	75.4	70.9		trace	1.5		.079
27	87.0	74.0	69.9		trace	6.7		.083
28	85.5	74.7	70.4		0.07	3.2		.055
29	85.6	74.7	69.9		2.97	5.6		.031
30	83.0	73.3	69.9		1.29	3.7		.020
31	82.2	72.8	70.0		2.40	3.2		.983
Total	-	-	-		18.44	171.7		2.527
Mean	85.8	74.6	70.8		-	5.5		0.082

METEOROLOGICAL ELEMENTS, 1947

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Pressure													
+ Mean (mb.)	1007.6	1007.4	1010.3	1010.1	1010.5	1011.0	1012.0	1012.0	1012.5	1010.6	1009.2	1007.8	1010.1
Deviation from normal, 1947 ..	0.0	-0.8	+1.2	+0.3	-0.3	-0.4	+0.3	0.0	+0.6	-0.6	0.0	-0.3	0.0
++ Absolute Maximum	1011.6	1010.4	1014.3	1014.3	1014.6	1014.5	1016.8	1016.2	1019.3	1014.7	1013.7	1012.0	1019.3
++ Absolute Minimum	999.2	1003.4	1004.9	1006.1	1006.0	1007.5	1007.1	1007.7	1007.9	1006.0	1005.4	1002.9	999.2
Temperature													
+ Mean (^{o}F)	80.89	81.23	80.60	81.03	80.21	79.72	80.14	79.05	79.96	79.58	79.57	79.72	80.14
Deviation from normal, 1947 ..	+1.44	+1.80	+1.13	+1.73	+1.32	+1.48	+2.46	+0.88	+1.47	+0.60	+0.55	+0.25	+1.25
+++ Absolute Maximum	89.5	90.8	91.0	90.7	90.3	88.8	88.8	88.7	88.5	88.6	88.5	87.9	91.0
+++ Absolute Minimum	72.4	73.2	71.5	71.9	69.5	71.2	70.4	67.1	69.8	68.2	72.7	71.8	67.1
Greatest daily range	15.3	14.8	16.5	17.0	16.6	16.7	16.5	17.0	16.7	18.1	15.1	14.8	18.1
Mean daily Maximum	87.37	87.27	87.31	88.92	87.03	86.48	86.28	85.75	86.31	86.27	85.81	85.75	86.71
Mean daily Minimum	75.15	75.51	74.90	74.28	74.16	73.79	74.38	72.77	74.02	73.11	73.94	74.59	74.22
Rainfall													
Total (ins.)	16.55	10.36	13.40	4.78	10.26	11.88	8.35	3.03	10.23	7.59	12.92	18.44	127.79
Deviation from normal, 1947 ..	-1.24	-4.61	-0.32	-5.08	+3.80	+7.02	+4.97	-0.76	+4.77	+0.43	+2.59	+4.50	+16.07
Sunshine													
Total (hours)	210.0	174.7	203.8	235.1	221.6	200.6	235.3	220.4	240.0	225.9	212.4	171.7	2551.5
Deviation from normal, 1947 ..	+35.2	+9.9	+6.5	+28.3	-3.8	-22.3	-9.3	-28.7	+10.8	-2.4	+14.8	-16.2	+22.8

Notes:
+ Based on 24 hourly values.
++ Based on values at exact hours.
+++ Based on readings of extreme thermometers.

PRESSURE: MEANS OF HOURLY VALUES, 1947

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

Adjusted for non-cyclic change and reduced to mean sea-level

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	7.88	7.52	7.21	7.09	7.28	7.67	8.24	8.55	8.64	8.60	8.26	7.89	7.35	6.93	6 38	6.12	6.22	6.68	7.32	7.76	8.07	8.35	8.55	8.38	7.62
February	7.72	7.32	6.96	6.77	6.90	7.17	7.70	8.17	8.56	8.50	8.24	7.92	7.29	6.75	6.32	6.09	6.04	6.35	7.00	7.44	7.84	8.18	8.31	8.17	7.40
March	10.54	10.16	9.86	9.67	9.82	10.08	10.58	11.11	11.53	11.54	11.32	10.92	10.21	9.54	9.02	8.78	8.89	9.18	9.79	10.31	10.79	11.24	11.31	11.07	10.30
April	10.40	10.04	9.69	9.58	9.54	9.87	10.39	10.85	11.22	11.32	10.94	10.37	9.76	9.20	8.68	8.58	8.82	9.21	9.79	10.31	10.73	11.00	10.99	10.86	10.09
May	10.70	10.25	9.97	9.83	9.93	10.25	10.82	11.19	11.67	11.92	11.59	11.05	10.28	9.49	8.98	8.94	9.16	9.59	10.20	10.60	10.99	11.25	11.27	11.05	10.46
June	11.35	11.03	10.71	10.45	10.58	10.81	11.23	11.69	12.36	12.43	12.09	11.62	10.90	10.20	9.61	9.58	9.70	10.14	10.73	11.18	11.51	11.69	11.69	11.60	11.04
July	12.25	11.98	11.68	11.50	11.53	11.78	12.24	12.67	13.34	13.47	13.18	12.64	11.96	11.26	10.67	10.49	10.66	11.03	11.63	12.05	12.46	12.66	12.64	12.47	12.01
August	12.11	11.75	11.45	11.31	11.35	11.63	12.28	12.81	13.41	13.55	13.22	12.67	11.85	11.17	10.56	10.44	10.58	10.95	11.61	12.12	12.53	12.74	12.73	12.60	11.98
September	12.62	12.27	11.93	11.86	11.92	12.24	12.95	13.38	13.75	13.97	13.54	13.00	12.14	11.64	10.97	10.84	11.07	11.42	12.16	12.71	13.12	13.34	13.41	13.27	12.48
October	10.59	10.18	9.96	9.94	10.17	10.45	11.10	11.68	11.87	11.80	11.59	11.11	10.30	9.82	9.34	9.02	9.16	9.60	10.28	10.77	11.18	11.49	11.49	11.24	10.59
November	9.37	8.97	8.64	8.62	8.78	9.18	9.91	10.21	10.41	10.32	10.07	9.66	8.92	8.47	7.91	7.64	7.66	8.09	8.87	9.33	9.78	10.25	10.39	10.16	9.23
December	8.02	7.61	7.31	7.22	7.30	7.55	8.22	8.51	8.64	8.65	8.38	8.00	7.43	7.07	6.67	6.43	6.60	6.91	7.64	8.13	8.40	8.89	9.03	8.86	7.81
Year	10.29	9.92	9.61	9.49	9.59	9.89	10.47	10.90	11.28	11.34	11.04	10.57	9.86	9.30	8.76	8.58	8.71	9.09	9.75	10.23	10.62	10.92	10.98	10.81	10.08
Wet Season 1946-47	7.82	7.39	7.09	6.99	7.13	7.45	8.04	8.42	8.63	8.62	8.30	7.91	7.34	6.85	6.36	6.13	6.21	6.60	7.26	7.77	8.15	8.45	8.58	8.40	7.58
Dry Season 1947	11.60	11.25	10.95	10.77	10.85	11.12	11.64	12.09	12.69	12.84	12.52	12.00	11.25	10.53	9.95	9.86	10.03	10.43	11.04	11.49	11.87	12.08	12.08	11.93	11.37

TEMPERATURE: MEANS OF HOURLY VALUES. 1947

From readings in degrees Fahrenheit at exact hours

Adjusted for non-cyclic change

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																									
Jenusry	77.88	77.34	77.20	77.22	77.10	76.97	77.64	80.01	83.11	83.93	84.27	84.61	84.49	84.52	84.59	84.10	83.51	83.04	81.92	81.02	80.10	79.58	78.82	78.55	80.90
February	78.51	78.27	78.13	78.05	77.80	77.32	77.44	79.75	82.83	83.93	84.17	84.42	85.05	84.43	84.40	84.64	84.16	83.95	82.63	81.24	80.22	79.69	79.34	79.13	81.23
March	77.31	77.05	76.87	76.71	76.50	76.22	76.82	79.12	82.81	84.57	84.99	84.92	84.91	85.06	85.24	84.78	83.56	82.81	81.34	80.29	78.98	78.22	77.86	77.60	80.61
April	77.01	76.69	76.66	76.48	76.33	76.19	76.30	78.56	83.37	86.17	87.17	87.18	86.93	86.98	86.55	85.51	84.54	82.66	80.90	79.92	79.00	78.28	77.87	77.52	81.03
May	76.96	76.70	76.58	76.32	76.14	75.95	76.20	77.98	82.02	84.06	84.90	85.06	85.35	85.43	85.35	84.51	83.45	82.03	80.32	79.30	78.23	77.71	77.43	77.19	80.21
June	76.49	76.30	76.27	76.15	75.90	75.74	75.95	77.62	80.89	82.15	83.51	84.24	84.67	84.29	84.61	84.20	82.92	81.63	80.19	79.17	78.44	77.81	77.38	76.78	79.72
July	77.41	77.03	76.79	76.45	76.37	76.41	76.70	78.05	81.20	83.61	84.35	84.58	84.47	84.69	84.58	83.67	82.84	81.83	80.44	79.50	78.65	78.09	77.90	77.83	80.14
August	75.68	75.43	75.15	74.96	75.11	74.92	74.94	77.15	80.82	82.91	83.64	83.85	84.32	84.19	83.93	83.14	81.82	80.66	79.53	78.25	77.59	76.83	76.41	76.08	79.05
September	77.12	76.57	76.13	75.76	75.59	75.46	75.98	78.93	82.36	83.24	83.93	84.40	84.75	84.85	84.39	83.93	82.76	81.84	80.61	79.52	78.29	77.51	77.54	77.51	79.96
October	75.96	75.45	75.16	74.92	74.85	74.73	75.93	79.07	82.49	83.79	84.16	84.27	84.55	84.27	83.88	83.80	82.75	81.73	80.26	79.34	78.14	77.33	76.74	76.37	79.5[illegible]
November	76.39	76.14	75.75	75.58	75.28	75.19	76.82	79.89	82.11	82.93	83.59	83.53	83.81	83.14	82.91	83.11	82.58	81.54	80.17	79.17	78.29	77.68	77.26	76.87	79.57
December	76.90	76.77	76.53	76.51	76.28	76.04	77.40	79.99	82.67	83.02	83.00	82.96	83.50	83.09	82.90	82.52	81.70	81.13	80.11	79.33	78.26	77.85	77.47	77.30	79.72
Year	76.97	76.65	76.43	76.26	76.10	75.93	76.51	78.84	82.22	83.69	84.31	84.50	84.73	84.58	84.44	83.99	83.05	82.07	80.70	79.67	78.68	78.05	77.67	77.39	80.14
Wet Season 1946-47	77.61	77.34	77.15	77.03	76.85	76.72	77.79	80.55	83.17	84.10	84.30	84.35	84.35	84.27	84.08	83.98	83.31	82.80	81.62	80.53	79.59	78.98	78.43	78.16	80.71
Dry Season 1947	76.63	76.37	76.20	75.97	75.88	75.75	75.95	77.70	81.23	83.18	84.10	84.43	84.70	84.65	84.62	83.88	82.76	81.54	80.12	79.06	78.23	77.61	77.28	76.97	79.78

FOURIER COEFFICIENTS: BAROMETRIC PRESSURE AND TEMPERATURE, 1947

Values of P_n and A_n in the series Σ Pn 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	A_4
			Barometric Pressure					
	mb	°	mb	°	mb	°	mb	°
Wet Season 1946-47	0.45	20	1.01	149	0.05	123	0.04	21
Dry Season 1947	0.47	2	1.08	147	0.15	336	0.01	150
Y e a r 1947	0.46	11	1.06	148	0.04	2	0.01	57
			Temperature					
	°F	°	°F	°	°F	°	°F	°
Wet Season 1946-47	3.99	238	0.77	108	0.74	8	0.36	232
Dry Season 1947	4.58	237	1.24	69	0.54	347	0.45	204
Y e a r 1947	4.48	237	1.05	81	0.67	358	0.41	215

RELATIVE HUMIDITY, 1947

Percentage 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	90	91	91	91	91	91	90	85	81	80	78	78	78	78	77	78	79	82	83	86	88	89	89	90	85
February	90	90	91	91	91	91	91	88	82	81	79	78	76	77	76	76	76	76	80	84	85	87	87	89	84
March	91	91	91	91	92	92	92	88	81	78	78	78	77	76	76	77	79	80	84	88	90	91	91	91	85
April	90	90	90	90	91	91	90	86	79	75	73	74	74	73	73	75	78	81	85	87	88	89	89	90	83
May	90	91	91	90	91	91	90	88	80	77	76	76	75	75	75	74	76	80	84	87	88	89	89	90	84
June	90	91	91	91	91	91	91	88	82	80	78	77	76	77	75	76	79	82	85	87	88	89	89	90	85
July	88	89	89	89	89	88	87	85	80	75	76	76	76	75	75	77	78	80	82	84	85	86	87	87	83
August	84	84	85	85	85	86	86	83	75	71	70	71	70	70	70	72	75	76	77	80	82	83	83	84	79
September	87	87	88	88	89	89	89	83	77	75	74	74	73	74	74	75	75	78	79	83	85	86	86	86	81
October	88	88	89	89	89	89	88	82	74	73	73	73	73	73	73	73	74	76	80	82	84	85	86	87	81
November	91	91	91	91	91	91	90	84	79	79	78	78	77	78	78	78	79	81	84	86	88	89	89	90	85
December	90	90	90	90	90	90	89	84	79	79	79	79	78	78	78	79	80	82	85	87	88	89	90	90	85
Year	89	89	90	90	90	90	89	85	79	77	76	76	75	75	75	76	77	79	82	85	87	88	88	89	83
Wet Season 1946-47	90	90	90	91	91	91	89	85	80	79	78	78	78	78	77	78	78	80	83	86	87	88	89	90	84
Dry Season 1947	88	89	89	89	89	89	88	86	79	76	75	75	74	74	74	75	77	80	82	84	86	87	87	88	83

VAPOUR PRESSURE, 1947

Mean values in millibars at exact hours,

deduced from corresponding values of dry bulb temperature and relative humidity

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	29.4	29.2	29.1	29.1	28.9	28.8	29.1	29.7	31.3	31.8	31.4	31.7	31.6	31.6	31.3	31.2	30.9	31.7	30.9	31.1	30.8	30.7	29.9	30.0	30.5
February	30.0	29.8	29.9	29.8	29.7	29.2	29.2	30.5	31.4	32.2	31.7	31.5	31.3	31.1	30.7	30.9	30.5	30.2	30.4	30.6	29.9	30.2	29.7	30.2	30.4
March	29.2	28.9	28.7	28.6	28.7	28.3	29.0	29.9	31.0	31.7	32.1	32.0	31.6	31.4	31.5	31.5	31.0	30.7	30.7	31.1	30.5	30.0	29.7	29.4	30.3
April	28.5	28.2	28.2	28.1	28.2	28.2	27.9	28.7	30.8	32.0	32.2	32.7	32.3	32.1	31.5	31.3	31.6	30.9	30.7	30.3	29.8	29.4	29.2	29.0	30.1
May	28.5	28.7	28.5	27.8	28.0	27.8	27.8	28.8	29.8	30.7	31.1	31.4	31.2	31.3	31.3	30.0	29.7	29.9	29.7	29.7	29.0	28.8	28.6	28.7	29.5
June	28.0	28.2	28.2	28.1	27.8	27.7	27.8	28.4	29.5	30.1	30.5	30.9	31.0	31.0	30.5	30.5	30.4	30.3	29.9	29.7	29.2	29.0	28.5	28.3	29.3
July	28.2	28.2	27.9	27.7	27.5	27.4	27.3	27.9	29.1	29.5	30.6	30.8	30.8	30.5	30.5	30.5	30.0	29.8	29.2	28.9	28.5	28.3	28.5	28.4	29.0
August	25.5	25.3	25.4	25.2	25.4	25.6	25.6	26.5	26.9	27.3	27.6	28.2	28.2	28.1	27.8	27.8	27.8	27.2	26.5	26.4	26.3	26.2	25.8	25.8	26.6
September	27.7	27.3	27.1	26.8	26.9	26.8	27.3	28.0	29.1	29.2	29.4	29.8	29.9	30.4	29.9	29.8	28.8	28.8	28.2	28.6	28.1	27.7	27.7	27.7	28.4
October	26.9	25.6	26.5	26.3	26.2	26.2	26.9	27.8	28.1	28.9	29.3	29.4	29.7	29.4	29.0	28.9	28.4	28.2	28.2	28.2	27.8	27.3	27.1	27.1	27.8
November	28.3	28.0	27.7	27.5	27.3	27.2	28.3	29.3	29.6	30.3	30.7	30.6	30.6	30.2	30.0	30.2	30.1	29.7	29.6	29.3	29.2	28.8	28.5	28.4	29.1
December	28.4	28.3	28.1	28.1	27.8	27.7	28.6	29.4	30.2	30.5	30.5	30.5	30.5	30.2	30.0	29.9	29.6	29.8	29.8	29.9	29.2	29.1	29.0	28.8	29.3
Year	28.2	28.0	27.9	27.8	27.7	27.6	27.9	28.7	29.7	30.3	30.6	30.8	30.7	30.6	30.3	30.2	29.9	29.9	29.5	29.5	29.0	28.8	28.5	28.5	29.2
Wet Season 1946-47	29.2	28.9	28.8	28.7	28.6	28.5	29.0	30.1	30.9	31.5	31.3	31.6	31.2	31.4	30.9	30.8	30.5	30.8	30.5	30.5	30.4	29.9	29.4	29.6	30.1
Dry Season 1947	27.5	27.6	27.5	27.2	27.2	27.1	27.1	27.9	28.8	29.4	30.0	30.3	30.3	30.2	30.0	29.7	29.5	29.3	28.8	28.7	28.2	28.1	27.9	27.8	28.6

RAINFALL AT APIA OBSERVATORY, 1947

Month	Number of Days on which stated Amounts of Precipitation were recorded (Amounts of rain in inches) .01 - .05	.06 - .50	.51 - 1.00	1.01 - 4.00	4.01 and over	Total Rain Days	Total Rain-Fall ins.	Greatest Amount in 24 hours ins.	Date	Greatest Amount in one hour ins.	Time	Date
January	1	15	5	1	1	23	16.55	8.64	6th	2.18	18-19	6th
February	2	4	5	3	0	14	10.36	2.87	1st	1.46	19-20	1st
March	5	7	4	5	0	21	13.40	3.23	4th	1.48	10-11	4th
April	5	8	3	1	0	17	4.78	1.11	1st	0.95	17-18	1st
May	1	8	4	3	0	16	10.26	2.29	10th	0.88	18-19	10th
June	2	10	4	3	0	19	11.88	2.51	22nd	1.50	8- 9	23rd
July	5	13	3	2	0	23	8.35	1.47	2nd	0.69	17-18	10th
August	4	5	1	1	0	11	3.03	1.26	21st	1.01	21-22	21st
September	6	7	2	5	0	20	10.23	1.78	23rd	1.21	23-24	25th
October	3	6	2	2	0	13	7.59	3.87	17th	2.18	4- 5	18th
November	5	9	5	4	0	23	12.92	2.88	8th	1.30	2- 3	9th
December	2	9	5	6	0	22	18.44	3.31	13th	1.08	21-22	13th
Year	41	101	43	36	1	222	127.79	8.64	6th. Jan.	2.18 2.18	18-19 4- 5	6th. Jan. 18th. Oct.

RAINFALL IN SAMOA, 1947

(Expressed in inches)

Station	Elevation (feet)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year	Authority
UPOLU															
Aleipata	20	14.80	10.38	13.38	5.76	12.93	9.55	3.99	4.46	8.44	6.70	11.70	15.48	117.57	The Radio Operator
Casala	700					Closed down					9.63	17.31	22.38	-	Mr. P.L.Morgan
Fale'ula	10	4.55	-	13.49	1.96	8.37	5.30	4.75	0.60	2.60	4.96	10.09	-	-	Tolo Laupu'e
Lotofaga	40	21.17	8.81	14.50	10.39	17.57	14.15	8.63	20.20	15.83	8.81	15.07	13.54	168.67	Rev. Fr. Beauchemin
Magia	220	11.72	8.88	5.62	2.57	10.80	5.84	6.19	2.46	4.00	9.89	15.76	18.42	102.45	Mr. D.C.M. Campbell
Malifa	100					Closed down					7.74	15.17	13.57	-	Teachers' Training School
Mulifanua	14	9.46	8.61	8.91	10.10	14.17	5.82	2.91	1.97	6.04	9.96	16.27	17.72	111.94	N.Z. Reparation Estates
Mulinu'u	5	16.55	10.36	13.40	4.78	10.26	11.88	8.35	3.03	10.23	7.59	12.92	18.44	127.79	The Observatory
Mulivai	6	20.67	10.82	16.73	5.98	20.32	19.20	11.80	12.97	22.53	10.21	11.48	11.69	174.50	Rev. Fr. Huteau
Piula	65	16.28	7.36	10.71	7.15	11.71	13.54	8.55	5.77	10.95	7.66	15.36	20.41	135.45	Rev. R.W. Allardice
Sauniatu	563					New Station					10.44	31.25	21.82	-	Elder E. Randall
Tafa'igata	550	19.79	13.24			Closed down					13.67	26.25	-	-	N.Z. Reparation Estates
Tuana'imato	105	17.54	12.05	14.50	3.56	10.93	13.86	6.67	2.98	8.30	6.89	14.59	22.88	134.75	N.Z. Reparation Estates
Vaipapa	720	28.68	43.60	28.06	4.15	21.60	14.24	3.55	3.05	10.35	8.75	20.15	19.65	205.83	N.Z. Reparation Estates
Vaipoto	400	22.05	12.04	14.99	5.28	22.36	11.64	7.40	3.02	11.29	10.38	23.09	37.58	181.12	Mr. A.R. Cobcroft
SAVAI'I															
Fagamalo	8	-	-	9.96	9.77	19.66	6.30	13.40	3.33	7.23	8.88	20.51	33.16	-	The Radio Operator
Falealupo	8	11.28	17.43	6.07	1.17	16.15	3.03	2.55	0.20	2.20	13.64	8.87	24.31	107.00	Rev. Fr. Merten
Tuasivi	25	9.35	8.25	3.49	6.41	6.67	5.62	3.26	5.25	6.72	5.78	16.15	15.90	92.85	Resident Commissioner
TUTUILA (American Samoa)															
Pago Pago	822	12.05	18.88	20.37	7.59	25.67	16.47	14.27	14.24	18.60	21.10	25.05	28.61	222.90	U.S. Naval Station
Tafuna	11	11.15	11.33	9.72	5.87	14.49	10.33	7.54	8.30	9.17	7.82	17.70	16.77	130.29	U.S. Naval Air Facility

NOTE: (1) The rim of the gauge is generally at a height of one foot 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 graduated in inches is used.

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

DURATION OF BRIGHT SUNSHINE, 1947

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	Totals	%
M o n t h																
January	00.3	15.6	18.4	18.8	21.5	21.1	21.3	21.6	20.9	17.1	12.9	12.1	08.3	00.1	210.0	53
February	00.0	08.7	14.9	16.3	18.8	17.4	19.2	17.2	15.6	14.0	14.1	10.6	07.1	00.8	174.7	49
March	00.0	08.1	17.7	21.4	23.3	21.8	20.1	17.9	20.1	19.2	16.9	11.9	05.4	00.0	203.8	54
April	00.0	10.8	20.2	22.6	25.8	26.2	24.3	22.2	21.4	19.4	16.8	17.2	08.2	00.0	235.1	66
May	00.0	07.6	19.8	22.4	23.2	24.4	24.1	21.6	20.7	20.8	17.0	15.1	04.9	00.0	221.6	62
June	00.0	05.6	19.5	19.5	20.0	20.6	21.7	21.2	19.5	21.0	16.2	12.8	03.0	00.0	200.6	59
July	00.0	05.1	20.2	24.8	25.6	25.5	25.1	24.4	24.1	22.5	18.6	15.4	04.0	00.0	235.3	67
August	00.0	06.0	20.8	22.5	24.6	23.1	23.2	22.5	21.3	20.3	16.4	13.8	05.9	00.0	220.4	61
September	00.0	10.9	22.3	23.3	23.3	24.8	24.4	25.6	23.7	21.2	20.0	14.7	05.8	00.0	240.0	67
October	00.0	15.9	22.0	23.4	24.5	24.3	24.1	22.8	19.7	17.2	15.4	10.5	06.1	00.0	225.9	59
November	01.4	15.6	19.1	20.0	20.4	22.1	20.6	20.5	16.5	16.5	15.1	13.4	10.2	01.0	212.4	56
December	00.6	11.9	18.4	21.7	21.5	18.2	17.7	18.2	12.9	11.6	08.0	06.8	04.0	00.2	171.7	43
Y e a r	02.3	121.8	233.3	256.7	272.5	269.5	265.8	255.7	236.4	220.8	187.4	154.3	72.9	02.1	2551.5	58

ANALYSIS OF SUNSHINE, 1947.

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	16	13	15	20	21	16	20	16	22	21	17	10	207
Partly cloudy	10	8	11	6	3	8	6	11	4	5	6	17	95
Cloudy	5	7	5	4	7	6	5	4	4	5	7	4	63

WIND SPEED, 1947

Means of hourly values of wind speed in miles per hour

Hour / Month	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
January	5.3	4.9	4.8	4.7	4.7	4.4	4.7	4.6	5.9	7.9	8.3	7.8	9.1	9.1	8.9	8.9	8.9	8.1	7.9	6.9	6.1	5.4	5.2	5.3	6.56
February	3.1	3.2	3.3	3.8	4.3	3.6	3.4	3.1	3.8	3.9	5.5	6.1	6.6	6.4	6.6	5.5	4.7	3.9	3.7	3.8	3.8	3.7	3.6	3.5	4.30
March	3.1	3.6	4.6	3.9	3.4	3.6	4.2	3.7	3.2	4.5	5.9	6.4	6.7	5.8	5.5	5.5	5.2	3.9	2.9	3.6	3.5	3.5	3.1	3.2	4.27
April	3.0	2.7	3.1	3.3	3.3	3.4	3.6	2.9	4.6	6.9	9.3	10.5	11.5	11.3	11.2	10.5	9.5	10.4	6.7	3.9	3.3	3.5	3.1	3.3	6.03
May	4.1	5.3	5.1	4.9	4.5	4.3	4.4	4.5	3.9	5.4	7.3	8.3	10.0	10.3	9.8	9.2	8.7	7.8	6.4	5.1	4.5	3.8	4.1	4.2	6.07
June	4.2	4.4	4.9	4.7	5.2	4.2	4.0	4.7	5.0	6.5	8.2	8.3	8.0	9.0	7.8	7.8	9.3	8.5	6.7	4.7	4.3	4.6	4.2	4.7	5.99
July	7.4	6.6	6.0	6.1	6.0	5.9	7.3	7.3	7.6	11.4	12.6	13.8	15.5	14.5	14.7	14.4	13.5	12.7	9.5	7.7	8.5	7.1	7.8	7.5	9.64
August	6.5	5.7	5.4	5.3	6.0	6.1	5.5	5.8	6.8	9.7	11.1	13.2	13.9	14.8	13.8	13.5	13.0	12.4	8.9	6.7	5.2	5.5	5.4	5.2	8.56
September	5.9	6.2	5.9	5.6	5.6	5.8	6.3	6.2	8.7	12.3	12.3	14.1	14.5	14.5	14.3	14.2	13.1	11.7	9.2	6.2	5.8	5.0	5.3	6.3	8.96
October	3.5	3.4	3.5	3.0	3.4	3.6	3.3	3.5	5.8	8.2	9.6	10.9	11.3	10.9	11.5	10.2	9.0	8.1	7.1	6.2	4.9	3.8	4.4	3.7	6.37
November	2.5	2.4	2.6	2.6	2.7	3.3	2.6	2.6	2.8	4.6	6.2	6.8	6.9	6.4	5.9	5.2	4.7	4.3	3.7	2.9	2.6	1.9	2.3	2.3	3.79
December	5.0	4.3	4.6	4.6	5.0	4.7	4.5	4.4	5.6	6.9	8.2	7.5	7.4	7.0	6.8	5.9	6.1	5.5	4.9	5.1	5.2	4.9	4.9	4.9	5.58
Year	4.47	4.39	4.48	4.38	4.51	4.41	4.48	4.44	5.31	7.35	8.71	9.47	10.12	10.00	9.73	9.23	8.81	8.11	6.47	5.23	4.81	4.39	4.45	4.51	6.34
Wet Season 1946-47	4.02	4.10	4.35	4.38	4.32	3.98	4.15	3.95	5.17	6.73	8.42	8.93	9.32	9.10	8.83	7.97	7.85	6.88	6.15	5.57	4.95	4.68	4.30	4.22	5.93
Dry Season 1947	5.56	5.50	5.35	5.25	5.42	5.13	5.30	5.57	5.83	8.25	9.80	10.90	11.85	12.15	11.52	11.23	11.12	10.35	7.88	6.05	5.62	5.25	5.38	5.40	7.57

Percentage Frequencies of Wind from different directions, 1947

(This table is based on hourly means for every third hour commencing at midnight).

Month	N	NE	E	SE	S	SW	W	NW	Calm	Number of Observations
January	6	1	22	11	7	4	4	4	40	248
February	3	4	4	2	2	5	16	8	56	224
March	2	3	14	9	9	8	1	-	54	248
April	-	2	30	13	9	4	0+	-	42	240
May	4	2	15	10	6	9	4	5	46	248
June	0+	0+	22	19	10	5	-	-	43	240
July	-	0+	33	29	11	2	-	0+	24	248
August	-	2	29	30	10	3	-	-	25	248
September	-	-	34	29	5	0+	0+	1	31	240
October	1	4	27	16	4	4	-	0+	44	248
November	2	2	10	8	3	4	4	4	60	240
December	5	10	14	8	13	6	1	4	39	248
Year	2	3	21	15	7	5	3	2	42	2920

Note:- (i) The individual percentages are rounded-off to the nearest whole number.
(ii) 0+ means there were some observations but less than 0.5%.
(iii) Calm includes speeds of 0-3 m.p.h.

MONTHLY WIND SPEED AND DIRECTION, 1947

Speed in miles per hour

Calm includes 0-3 m.p.h.

Month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Mean speed for month	6.56	4.30	4.27	6.03	6.07	5.99	9.64	8.56	8.96	6.37	3.79	5.58	6.34
Highest speed in gust	41	35	42	48	42	41	48	45	52	44	31	42	52
Direction of gust	NW	WNW	SSE	E	NNW	SE	E	ESE	ESE	SSE	NNW	SE	ESE
Greatest speed for one hourly period	23	20	25	28	28	25	27	25	27	25	23	22	28
Prevailing direction of wind													
9 a.m.	ESE,	Calm	Calm	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
3 p.m.	E	ENE	NE	E	ENE	E	E	E	E	E	ENE	NNE, ENE	E
Most frequent direction of wind (eight points only; calms excluded)	E	W	E	E	E	E	E	SE	E	E	E	E	E

THUNDER AND LIGHTNING, 1947.

Month	Number of Days with		Total
	Lightning only	Lightning and Thunder	
January	13	13	26
February	10	10	20
March	3	14	17
April	3	12	15
May	7	8	15
June	6	9	15
July	6	5	11
August	3	2	5
September	6	8	14
October	3	6	9
November	4	8	12
December	1	11	12
Y e a r	65	106	171

January

0111	02101	10705	21107	31110	51108		
0117	01802	10804	20704	30804	50503		
0122	01103	10807	20605	30506	50305	70702	00701
	30108						
0211	01902	11701	22002	32201			
0217	02204	12714	22717	32615	52308	71905	01304
	21102						
0222	00000	11804	22006	31907	51910	71910	82010
0311	02004	12603	22902	33001	43002		
0317	01802	10817	22012	30511	52011	71516	81211
0322	00000	11006	21210	31411	41808		
0411	02202	11302	21506	31508	51707	71609	
0417	01804	11006	21006	30918	51207	71509	92111
0422	03202	11004	20610	31310	51019	70709	01207
	52111	81610	01206	21807			
0522	03606	13015	22708	31304	51917	71622	01305
	51407	81310	91212				
0611	02705	12407	22209	32109	52010		
0622	02914	12515	22321	32318	52519	72617	92813
0718	00308	10512	20514	30417	50324		
0722	00509	10715	20617	30616	50421	70329	
0811	00818	11020	20923	30924	40931		
0817	01408	11119	21020	30919	50918	70921	01015
0822	01119	11121	21116	31222	51018	70925	01020
	50920	80920	01017	50611	73103		
0911	01803	11012	20912	30811	51012	61012	
0917	01502	11012	20914	30914	50909	71012	01015
	50924						
0922	01110	11010	21108	31012	50916	70912	01020
	51027	81124	01124	41136			
1011	01204	11018	20915	30910	41010		
1018	00914	10917	20922	30918			
1022	01018	10815	20719	30721	50723	60724	
1111	01208	11018	20813	30815	50520	70510	00618
1117	01113	10909	20813	30714	50621	60518	
1122	01603	11013	20917	30813	50615	70614	
1211	00816	10920	20817	30712	40712		
1217	01407	11014	20818	30818	50718	70814	
1222	01011	11013	20817	30819	50820	70718	80721
1311	01014	11012	20814	30811	50714		
1317	01603	11013	20815	30818	50717	70820	80723
1322	00913	10916	20916	30817	50715	70621	00721
	20814						
1411	00812	10813	20812	30710	50710		
1417	02103	11114	20915	30917	50815	60820	
1422	01404	11109	21016	30918	51014	70915	01016
1510	01406	11411	21216	31111	50811	70710	90509
1517	01302	11110	21116	31120	51218	71010	00908
	10910						
1522	01116	11019	21214	31215	51117	71112	01013

(January Contd.)

	50713	60719					
1610	01903	11209	21012	31013	51011	71011	
1617	03203	11114	21213	31115	51115	71012	01113
	21114						
1622	01111	11112	21117	31115	50917	70916	81014
1711	02102	11210	21018	31016	50920	70917	80916
1717	01703	11114	21120	31019	50915	70911	00915
1722	01117	11023	21019	31017	51015	70917	90919
1811	01306	10909	20712	30712	50909	70706	
1822	03208	10612	20612	30512	50515	70319	
1917	02007	10704	20604	30604	50705	71003	00704
	50806						
1922	01102	10706	20608	30206	50307	70609	00810
	20714						
2011	01901	11107	20809	30510	50809	71007	81204
2017	00000	10606	20411	30310	50410	70305	80806
2022	00301	13604	23605	30204	50505	70806	00606
	50906	81004	01306	51314	81412	01210	
2118	02102	11501	20202	33202	50504	71306	01805
	50808	80913	01310	51110			
2122	00503	11803	23102	32402	53202	70204	00703
	50706	80910	00910	51114	81115	01020	
2211	02101	12001	21502	31202	41403		
2217	02102	10904	20407	30106	53604	73405	83104
2222	02008	13604	23603	33604			
2311	01802	10805	20505	30404			
2318	01601	12303	22503				
2411	02002	11005	20605	30507	50309	70203	93104
2417	02001	10807	20306	30310	50611		
2422	01211	10808	20608	30515	50510	70711	00407
	50404	80604	00603	10403			
2510	00000	11010	20813	30713	50614	70615	00712
	10813						
2517	02202	11910	20711	30714	50707	60606	
2522	03602	11007	20908	30708	50708	70608	90610
2610	02103	12904	20604	30703	50409	70206	83505
2617	02103	11206	20807	30510	50312	70209	00410
	53607						
2622	00906	10908	21108	30704	50206	70407	00309
	10211						
2710	02104	11102	20703	30504	50503	71005	
2717	02002	13211	23112	33211	53506		
2722	03204	13212	22709	32709	52405	71905	
2817	01802	13110	22413	32417	52311	72710	02914
	12713						
2822	03201	13205	23009	33008	53109	73109	02712
	22812						
2910	02004	13008	23112	33216	53216	63215	
3017	02202	13012	22920	32821	42940		
3022	00208	13108	22710	32715	53017		
3111	02202	13004					
3117	02005	12705	22707	32709	52513		
3122	03003	13303	23203	32805	52807	72605	

February

0111	02002	10503	21702	32101	43602		
0117	01902	10902	21002	30501	50106	73606	03406
0122	02601	10201	20302	30304			
0217	02203	12903	23407	33403	50305	73606	
0222	00000	10204	20209	30106	50309		
0311	01703	10907	20608	30510	50406	70308	83222
0322	00805	10709	20613	30416	50418	70413	00504
	11903						
0411	02001	10505	20412	30317	50114		
0422	00201	10403	20308	30311	50311	70211	03410
	33514						
0510	02001	11305	21304	31304	41205		
0517	02001	11002	20304	30107	50108	70307	90107
0522	00401	10202	20102	30103	53607	70207	90308
0610	02103	12703	22703	32303	52403		
0617	02201	10802	20804	31103	51004	71003	00602
	30301						
0622	01703	10802	21402	31203	51102.	71001	01802
	50204						
0711	02002	10702	20302	30702	50503		
0717	02101	12002	21902	31305	51902	71301	01303
	41105						
0722	03601	13504	23302	33404	51604	71304	01005
	51303	82204	03306	51906	82406	03104	51903
	81006	01006	11213				
0810	00000	11003	21204	31707	51907	71611	01806
0817	00000	11304	21707	31909			
0822	00204	13503	22003	31813	51713	71705	01608
	50807	82305	01805	31604			
0911	02103	11910	21915	31820	51809	71920	01919
	11715						
0917	02002	11709	21814	31814	52006	62005	
0922	00607	10909	21807	32011	52013	72115	02223
1010	00000	12108	22213	32313	52511	72208	
1017	02302	12408	22409	32308	52308	72405	02408
	22606						
1022	02907	12506	22106	31805	52202	72604	02508
	52604	82706	01817	50905	80610	00616	
1111	02102	12702	23301	30402	50303	72802	82503
1117	02103	12604	22804	32002	52204	73002	01707
	51310	81314	01413	21109			
1122	00302	11104	21401	31802	51403	72005	01809
	51211	81217	01114	50914	80809	00807	50615
	60618						
1211	02203	11808	21809	31915	51906	61708	
1310	02603	11906	21709	31511	51612		
1317	02102	12109	21913	31815	51411	71215	81115
1323	03208	12109	22015	31923	51813	61606	
1410	03003	12307	22407	32307	52009	71406	
1510	02418	12628	22526	32525	42525		
1522	02919	12624	22523	32527	52527		

February (Contd.)

1611	02412	12620	22622	32625	52630	62635	
1617	02807	12415	22420	32527	52330	72527	92627
1622	02810	12912	22618	32622	52623	72624	02523
	32412						
1711	02411	12420	22523	32524	52628	62635	
1717	02903	12615	22618	32618	52521	72418	02413
	22415						
1722	02707	12409	22311	32416	52509		
1811	02805	12514	22615	32617	52712	72714	82716
1817	02803	12409	22515	32516	52614	72712	02917
	42914						
1822	02507	12410	22411	32413	52608	72906	03213
	52910	83114	03112	22911			
1911	02402	12411	22414	32514	52514	72409	02508
	12707						
1917	02102	12708	22510	32610	52811	73108	02713
1922	03409	13108	22807	32905	53109	73012	02717
	52611	82710	02307	51311	81306	90506	
2011	02102	12102	23002	32902	53204	73104	93305
2017	02102	12908	23112	33012	53110	73110	03308
	53308						
2022	03312	13014	23013				
2111	02302	13106	23108	33211	53214	73216	
2117	02303	13109	23109	33009	43111		
2122	03307	13209	23414	33511	43412		
2211	02003	10404	23609	33515	53510	63612	
2217	02101	10604	23610	30213	50316		
2222	00503	10306	20306	30108	50413	70219	00222
2311	01901	10806	20506	30410	50508	70411	80412
2317	01604	11204	20804	30804	50608	70708	
2322	00704	10704	20703	30904	50609	70507	00307
	30205						
2411	02703	12704	21804	30904	53204	70306	01004
2417	02001	13403	22402	31004	51002	70503	02705
	12902						
2422	00602	12401	22003	30804	50604	71104	00706
	10705						
2511	02203	11405	20803	30604	50706	60704	
2517	02201	11402	21003	30803	50905	70509	00407
	50706	81105	00810	50812	60914		
2522	01202	10906	20905	30705	50506	70403	00206
	30609						
2611	01702	10606	20507	30307	50310	70309	80306
2617	02101	10804	20405	30305	40108		
2622	00803	10307	20206				
2711	02005	10904	20407	30708	50806	70706	00809
2717	02302	11803	21002	31305	51006	70807	00607
	50607	80911	00911	51112	61211		
2722	01003	10604	21102	31203	50804	70704	00305
	50509	80708	00908	51710	81605	01406	
2811	01903	11007	20909	30907	50808	70906	01008
	20806						

February (Contd.)

2817 02102 10909 20810 30809 50809 70809 00903
51106 81006 01109 11110
2822 01006 10908 20812 30810 50707 70907

March

0111 00707 10606 20507 30411 50513 70514 90415
0117 02602 10606 20410 30309
0211 01604 10912 20814 30713 50710 70211 80314
0217 01704 10810 20811 30911 50612
0222 01307 10811 20615 30516 50513 70315 03510
0311 00000 11104 21104 30704 50603 70303 00402
0317 01402 10909 20911 30810
0322 00810 10812 20513 30314 50321 60326
0411 01903 10907 20507 30312 50314 70213
0417 01803 10910 20811 30610 50409 70207 00210
20107
0422 01406 10809 20313 30413 50216
0511 01605 11012 20913 30712 50312 70412 80413
0517 01403 11011 20812 30711 50608 70411 00208
30214
0522 00607 10912 20912 30812 50608
0611 02103 11214 21219 31117 50910 70610
0617 01210 11016 20918 30609 50508 70607 80607
0622 01011 11019 21019 30721 50816 70814 01114
21808
0711 01228 11027 21126 31020
0717 01408 11118 21117 31021 50810 71805 03406
42805
0722 01019 11018 21018 30923 50919 70816 00410
53307 83206 01902 22007
0811 01602 11117 21019 31018 51114 60915
0817 02003 11213 21118 31018 51014 71107 00608
50708 81705 91407
0822 01009 11013 21115 31010 51018 71013 00912
51704 81904 02207 52319 82328 02340
0911 02103 11304 21109 31213 51110 71009
0917 02002 11305 21111 31012 51110 71010 00811
51007 82604 02613 52217 82229 02228 52140
82036
0922 01110 10912 20913 30911 50910 70709 00909
50908
1011 02102 11010 20910 30908 50805 70605 80602
1017 01502 10805 20406 30407 50307 70305 00306
50309
1022 00907 10708 20611 30610 50409 70306 00207
53407 70305
1111 01603 10808 20610 30710 50614 70613 90615
1117 02003 11106 20505 30407 50311 70709 00707
52604 62309

March (Contd.)

1122	00907	10808	20608	30407	50708	60510	
1211	01103	10804	20405	30207	51807	70305	
1217	02104	10403	20104	33604	50303	70405	00204
	50904	82007	01806	52407	82305	00505	10803
1222	00702	10406	23603	33405	50104	70305	02601
	51707	81705	02305	52505	80606	00604	51516
	81815	01612	21614				
1311	02002	10204	23507	33504	53405	71804	93504
1317	02203	13403	23505	33508	53405	73503	01803
	51806	81502	01404	52104	83406	02207	32104
1322	03502	13203	23405	33204	53405	73303	01203
	51704	82105	02005	52805	82504	02104	51706
	71908						
1411	02103	10802	20304	30304	53304	70402	00302
	10303						
1417	02203	10403	23504	30405	50404	70603	00905
	51305	81602	01502	51807	82506	02804	51910
	81706	01705	11714				
1422	00803	10605	20405	30702	50407	70607	00706
	50905	81408	01306	51912	82306	01903	51812
	81614	01513	51410	81707	01406	11105	
1511	02205	11103	20804	30705	50909	70709	00807
	20906						
1517	02305	11105	21005	30905	50905	70705	01107
	51005	81407	00808	51205	81205	01306	51511
	81522	01522	21522				
1522	00908	10811	20909	30907	50710	71106	01208
	51208	81110	01111	51111	81606	01608	51618
	81525	01440	51433	71450			
1611	00805	10406	20508	30312	50412	70412	90313
1617	01802	10303	20205	30206	50309	70409	00512
	40611						
1622	02802	10000	20304	30309	50409	70608	00613
	50717	80809	00709	50807	81909	01310	
1711	02103	11004	20805	30804	50706	70907	80906
1717	01704	10806	20708	30509	50709	70905	01105
	50307	70608					
1722	01103	10506	20409	30510	50510	70710	91009
1811	02102	10903	20605	30606	50608	70510	
1817	02003	10905	20607	30611	50513	70709	00811
	41208						
1822	00905	10806	20706	30608	50710	70610	00710
	50904	80307	00105	50709	81309	01310	
1911	01603	11012	20914	30913	50711	70908	80812
1917	01803	11113	21016	30915	50911	70507	00511
	50510	81503	00303	50710	80707	00813	30717
1922	01110	11015	21113	31013	50915	70910	00511
	50810	80909	00908	50710	80909	00814	
2011	01603	11011	20715	30815	50815	70610	90509
2017	01405	10910	20813	30718	50714	70710	01011
	51209	80910	01506				

March (Contd.)

2022 00910 10611 20712 30612 50615 70612
2117 00307 10308 20508 30509 50709
2122 00402 10106 20209 30313
2211 01802 13406 23408 33510 53607 73607 90305
2217 02104 10202 23506 33504 50000 73002 91202
2222 01004 10804 20308 30309 40310
2311 01802 13105 23106 33305 53103 73403 00101
10000
2317 02002 13505 20105 33605 53605
2322 03301 13504 23606 30204
2417 02006 13104 23604 33306 50203 70000 00905
40915
2422 00402 13605 20104 30104 50504 60804
2511 03202 13104 23406 33506 50308 70406 90607
2522 00102 13207 23208 33409 53208 63407
2611 01802 11103 21002 31203 51404 71006 01007
10906
2617 02203 10801 20203 30403 50604 71107 00912
50910 80911 00918 50817 81120 91114
2622 01101 10402 20204 30305 50308 70610 00710
50911 71012
2711 02102 12704 22804 33303 40403
2717 02402 10803 21603 32003 52302 70201 00907
50810 80921 00920 50917 80918 01119 51332
81235 91330
2722 00401 10603 21203 31504 51404 70303 00306
50817
2811 02105 10505 20105 30104 50702
2817 02004 12504 22704 32906 52904 70608 00000
2822 00301 10101 23104 33005 52904 70802 91702
2911 02103 12604 23002 33103 53003 73003
2917 02103 12903 22204 32204 52602 70204 01302
2922 00901 11603 21203 31602 53102 70507 00712
3011 02003 10805 20606 30606 50506 70409 80411
3017 02003 11004 20804 30803 50807 70808 00511
50415 80518 00415 50515 80517 00716 50716
80823 00831 30825
3022 01112 10911 20812 30810 50810 70813 00512
50520 80426 00325 50522 80524 00623 51030
81341 01250
3111 01803 10707 20808 30612 50510 70806
3117 02102 11007 20707 30608 50614 70709 01006
10806
3122 03501 10707 20707 30806 50707 70710 00712
50611

April

0111 01603 11109 21110 31011 51009 71305 81106
0117 02102 11307 21111 31012 51109 71108 01008
50616 80819 00714 50714 80720 00823 10819

April (Contd.)

0122 01702 11012 21119 31119 51122
0217 01216 11014 20917 30919 50824 70718 00515
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0222 01109 11011 20715 30519 50415 70516 00816
53210 70616
0311 02102 10102 20203 30103 50608 70912 00618
10624
0317 02002 11009 20808 30806 51012 71017 00614
50704 83108 02503
0322 03202 10910 21013 31014 50811 70614 00620
0411 02003 10706 20609 30612 50813 70911 00712
20711
0418 02002 10908 20710 30611 50714 70913 00808
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0422 01103 10605 20610 30612 50611 70813 00813
50304 80203 00304 53603 62703
0511 02003 11010 21014 30917 50815 71016 80813
0517 01702 11014 20919 30916 50815 70713 00906
50409 80609 00709 10709
0522 01010 10915 21014 31015 51016 71009 00910
30809
0611 02301 11116 20911
0617 02001 11008 20908 30910 51010 70910 01014
50918 80917 01020 10921
0622 01503 11012 21016 31014 50915 70710 00912
51018 80919 00717 51030 60930
0711 01604 11012 20915 30914 50912 71112 00912
20818
0717 02103 11113 21218 31219 51119 70915 00915
51120 81224 01218 11018
0722 01217 11117 21021 31019 50920 71013 01118
50919 81016 01119 11018
0811 01212 11122 21024 30919 50919 70813 00808
0817 01202 11016 20920 30922 50815 70809 00707
30607
0822 01004 10919 20924 30926 50718 70819 00911
21005
0911 01406 10913 20917 30819
0917 01003 11018 21022 30926 50820 70710 80612
0922 01004 11123 21123 31123 50918 70720 90608
1011 02202 11116 21018 30915 50913 70812 80715
1017 01801 11008 21011 31012 50914 70915 00820
50819
1022 01002 11024 21020 30921 50922 70927 01023
41020
1111 02103 11013 20816 30713 50710 70808
1117 01401 11015 20916 31015 51016 71009 01009
51111 81012 90908
1122 01003 11017 20918 30917 50920 70819 00825
30812
1211 01703 11113 21116 31115 51606 71609 91315

April (Contd.)

1217	01503	11212	21314	31314	51314	71211	01015
	51113	81112	01112				
1222	01115	11110	21212	31115	51117	71114	01215
	50912	81010	01115	51306	81305	01117	51412
	81310	01311					
1311	01406	11309	21219	31220	51213	61310	
1317	01202	11213	21217	31216	51209	71214	01316
	50910	81208	01129	51119	81121	01114	11112
1322	01008	11010	21309	31311	51009	70915	01217
	51207	81108	01610	52213	82414	02708	52312
	72806						
1411	02105	11210	21011	31011	50807	70504	90914
1417	01906	11010	21012	30908	50907	70506	
1422	01004	10809	20809	30809	51007	71707	02021
1511	02205	10113	23607	33405	50205	60506	
1517	02204	13003	23204	33305	52104	71301	02402
	53304						
1522	03402	13304	23204	33304	50701	71202	02508
	51212	61514					
1611	02103	10604	20705	30806	50609	70906	90905
1617	02204	11004	20505	30505	50610	70907	01411
	51504	81407	01413	51718	81723	01620	21620
1622	01002	10808	20308	30907	50809	70808	01006
	51710	81521	01618	51524	81625	01317	51510
	81713						
1711	02102	11113	21011	31013	51109	70909	00808
	10912						
1717	02102	11113	21116	31112	51107	70707	00805
	21208						
1722	01216	11018	21018	31113	50915	70710	
1811	01504	11115	21122	31019	50918	70910	01021
	10922						
1817	02102	11013	21117	31016	51110	70912	00912
	51011	80922	01127	41318			
1822	01005	11012	21113	31015	50910	70612	90715
1911	02101	11213	21118	31217	51119	71216	01119
	21222						
1917	02004	11114	21015	31013	50913	71010	01013
	20912						
1922	01015	11017	20916	30919	50819	70814	00908
	51316	81518	01515	51814	81709	01207	51214
	81314	91314					
2011	01403	11015	21013	31011	50510	70608	80913
2017	01801	11110	21111	31113	51209	71012	00911
	51205	83606	00214	10215			
2022	00601	11012	21116	31113	51112	61210	
2111	01503	11016	21016	31014	51010	71210	91010
2117	02004	11307	21210	31110	50809	70612	00316
	50112						
2122	00801	11006	21307	31408	51110	70906	00810
	50310	73615					

April (Contd.)

2211	02003	11209	20911	30813	50913	70908	80810
2217	02202	11010	20915	30916	50815	70516	00711
	40307						
2222	01110	11114	21114	31015	50915	70612	00512
	50308	80309	00408	50911	80909	01703	50515
	80623	00624	20632				
2311	02003	11013	21016	30915	50912	70911	90809
2317	01801	11010	20911	30813	50713	70711	00911
	50506	60406					
2322	01106	10910	20712	30809	50810	70812	00909
	50706	70514					
2411	01802	11011	20914	30913	51008	71108	01110
2417	02303	11110	21113	31012	50906	71104	01111
	51310	81215	01208	50806	80711	00720	50913
	81012	01111	51108	81109	01110		
2422	01113	11109	21208	31108	51015	70709	00911
	51010	81804	01107	50617	80815	01016	40910
2511	02103	11205	21306	31607	51810	71412	01012
	11312						
2517	01804	11013	20915	30918	51109	71212	01212
2522	01113	11015	20911	30813	51014	71209	
2611	02001	10906	20608	30510	50412	71005	91206
2617	02004	10907	20706	30207	50208	71102	01506
	51411	80000	01304	51007	81618	01814	21924
2622	01006	10610	20407	30505	50504	70702	01508
	51006	83102	00702	51610	81615	01714	51721
	61625						
2711	02004	11206	20705	30304	50103	73602	02905
2718	02004	11003	22902	32202	51902	71804	01804
	51106	81007	01006	50103	83505	00504	20707
2722	00602	10504	20802	31204	51603	70704	01006
	50908	80804					
2811	01402	11210	20911	30911	51205	70706	00908
	10805						
2817	02103	10908	20809	30805	50706	70405	01006
	50803	81312	01808	51407			
2822	01306	11007	20708	30507	50306	70305	00707
	51404	81608	01711	52302	81004	01610	
2911	01601	10615	21016	31012	51012	71006	91008
2917	01803	11111	20911	30909	50909	70806	01208
	51005	81412	01413				
2922	01113	11012	21012	31017	50808	71205	01105
	51107	81107	01209	51812	62014		
3011	01402	11012	20913	30915	50810	71010	01016
	21015						
3017	02103	11008	20809	30707	50906	71008	01217
	51408	81313	01310	51713	81408	01505	51624
	81720	01720	52010	81921	02018	52019	82024
	02019						
3022	01108	10810	20809	31109	51210	71110	01116
	51311	81213	01210	51513	81311		

May

0111 02002 11105 21006 31207 51105 71010 80913
0117 02103 11110 21212 31112 51009 70713 00815
51210 81109 01407 51413 81709 01507 51918
82022 02126 41818
0122 01004 11011 21211 31310 51014 70814 00915
51214 81007 01307 51408 81908 01909 51820
81719 02221 51616 81814
0211 02203 11206 21309 31111 50909 71110 01010
11111
0217 02004 11205 21411 31113 51210 71309 01207
53404 80102 01307 31016
0222 01013 11013 21115 31214 50909 71410 01410
52008 82206 00405 53205 82710 00206 51922
0311 02102 10807 20906 31403 51802 70505 01005
0317 02102 11104 21003 31405 51304 71405 01603
51508 81508 01505 52210 82908 02209 52124
82219 02418
0322 00903 11006 20303 32303 51504 71205 02102
51406 81407 01809 51820 61717
0411 02102 12002 22302 31102 51605
0418 00000 11402 21904 32006 51805
0422 00707 10706 21502 30801 50703 72207 01505
53102 82302 02002 51101
0511 02203 11007 20602 31503 52305 62806
0517 02104 10806 20603 30504 52607 72208 01904
52001 81703 02104 53007 82705 02109 52719
72522
0522 00802 10504 21702 33103 52505 72004 00401
53304 83506 03308 53510 82106 02216 52620
82632 02633 12636
0611 02102 11301 20702 30904 50505 70415
0617 02203 11907 21906 32006 52206 73106 03202
52808 82909 02711 53213 82914 02714
0622 00702 10504 21905 31604 51902 72607 03210
53303 82810 92610
0711 02103 11112 21016 31013 52102 72902 02804
33007
0717 02101 11011 21012 31010 50810 71902 01901
52511 82810 02711 52325 82322 92421
0722 00814 11010 21311 31312 50810 73504 01504
52409 82710 02815
0811 01603 11411 20913 30811 51307 71506 01404
0818 01802 11011 21014 31011 52702 72804 03118
32723
0822 01113 10915 20912 31010 51606 72804 02704
43308
0911 02003 10708 20710 30711 50905 71303
0918 02104 10207 20309 30208 53508 73209 02712
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May (Contd.)

1022	02002	10407	20407	30210	53515	73619	03411
	13309						
1111	02203	13110	23216	33219	53220		
1117	01405	13608					
1211	03508	13411	23311	33315	53219		
1218	03205	13314	23412	33510	43510		
1222	03006	13319	23315	33412	53508	63508	
1311	03322	13219	23222	33124			
1322	02202	13212	23218	33323	53008	72805	90106
1417	02203	13112	23014	33015	42914		
1422	02601	12508	22806	32805	52903		
1511	02003	13504	23205	33206	53308	73109	03105
1517	02001	13210	23210	33208	53109	73105	03104
	33605						
1522	02402	13009	23114	33113	53209	73505	00205
	50405						
1611	02103	10203	20204	33606	53508	73608	03606
	13408						
1617	02102	13404	23406	33309	53508	70108	03606
	53304	82005	02604	52510	82409	01904	41006
1622	02201	13203	23103	33105	53503	63603	
1711	02203	11502	22403	32003	51503	70905	80907
1717	02103	10606	20604	30407	50510	70708	00805
	50701	82203	00905	52602	80101	00305	53617
	73517						
1722	01104	11007	20808	30609	50510	70512	00606
	50605	81109	91109				
1811	02303	12704	23607	33609	50110	73610	
1817	02003	13003	23306	33307	53408	73409	03304
	53512	83507	00504	23410			
1822	03502	13404	23405	33205	53307	73410	03509
	53410	83606	03404	53409	83409	03510	43511
1911	02103	11004	20307	30113	50210	70306	00306
	10209						
1917	02203	10302	23305	33507	50208	70309	00408
	53406	82710	02619	32915			
1922	03601	13408	23505	33306	53607	70208	00410
	53609	83308	03009	52414	82921	02915	22315
2010	02204	12105	20203	30204	50106	73407	
2018	02202	13402	23406				
2022	03402	13406	23003	32804	53304	73305	03505
	53405						
2111	02003	10603	20603	31003	51104	73403	83502
2117	02303	10908	20909	30907	50804	70503	03201
	52505	81405	03307	53112	83115	03314	53303
	82311	02219	52030				
2122	01001	10605	20907	31010	50909	70607	00616
2211	02103	11006	21204	31104	50303	72903	01002
2217	02304	11012	21210	31207	50907	71302	01904
	50502	82911	03515	53505	83410	03620	50612
	80312	00424	50424	80230	00238	10342	

May (Contd.)

2222 01110 11017 21013 31011 50809 70804 01008
50608 83208 02912 52807 83214 00112 40516
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20208
2318 01505 11217 21215 31016 40915
2322 02201 10505 20715 30715 40815
2411 02002 12908 22714 32912 53011 73409 90118
2418 02203 12807 22613 32608 52906 73103 03610
53323 73428
2422 03403 13007 23105 33109 53104 70405 00105
52309 82614 03113 32612
2511 02101 12606 22607 32507 50902 70806 90704
2517 02001 10302 21901 32102 50101 73202 03204
53209 82916 03120 43223
2522 00201 11003 21903 32701 50602 70204 03007
52915 82914 03216 52720 82821 03020 52820
2611 02102 11602 21701 31303 50402 73202 83101
2617 01801 13504 23204 30602 53204 73105 03306
53011 72914
2622 00201 13003 23204 31802 52704 73105 03207
53210
2711 02003 11211 21406 31314 51212 61210
2718 01604 11216 21228 31124 50923 71017 00905
2722 01313 11016 20815 30812 50817 71204 02509
52917 83017 03018 52725 82717 02616 12719
2811 01402 11110 21112 30912 50811 73303
2817 01507 11217 21126 31120 51021 70911 01309
2822 01120 11122 21122 31027 51019 70716 80515
2918 01309 11121 21022 31024 50921 71011 01015
51212 81306 01412 52123 82036 92042
2922 01120 11120 21118
3011 01401 10711 20615 30616 50727 70736 90730
3017 01604 10812 20819 30822 50720 70718 80616
3022 01109 11015 21016 30918 51012 70909 00707
3111 01402 10920 20919 30718 50812 70406 00506
3117 01315 11124 21026 30921 51020 71408
3122 01222 11017 20918 31024 50928 71020 81116

June

0111 01801 11222 21025 30912 50915 70912 01010
11106
0117 01703 11117 21119 31015 50808 70807 81010
0122 01112 11113 21312 31220 51213 71010 81014
0211 01004 10820 20824 30819 40724
0217 01606 11120 21020 30919 50409 70613 03605
30305
0311 02103 11103 21207 31003 52704
0317 02203 11408 21114 31113 53207 72812 02524
12724
0322 01307 11109 20807 33502 53008 72412 02616

June (Contd.)

	52725	82926	02828				
0411	01804	10807	21002	32106	50908	72404	82505
0417	02103	11502	22504	31803	50803	70703	02605
	32419						
0422	00901	11006	21107	31207	51706	71903	
0511	01801	11013	21018	31009	50607	73605	90203
0522	01208	10808	20408	30410	50306		
0611	02702	13202	22902	32006	51002	61102	
0617	02401	11007	20211	31314			
0622	02103	11321	21324	31017			
0711	01408	11220	21226	31136	51127	61126	
0718	01702	11211	21217	31118	51013	71114	01011
	51711	81719	01515				
0722	01212	11120	21223	31128	51030	60927	
0818	01205	11138	21026	30935			
0822	01005	10930	20925	30934			
0918	01203	10609	20708				
0922	00801	10803	20803				
1011	02103	13105	23006	33208	50106	70503	
1018	02102	12002	22202	33203	51204	70909	01007
	51406						
1022	01101	11007	21007	31108	50911	70915	00710
1111	02002	11117	21120	31023	50920		
1117	01802	11218	21221	31124	51125	71220	01210
	51010						
1122	01112	11213	21310	31218	51021	71017	91114
1211	01407	11117	21017	30816	50722	60819	
1217	01403	10914	20818	30721	50612	70614	00712
1222	00908	10912	20712	30712	50616	70410	80313
1311	01104	10708	20413	30415	50415	70214	
1317	01904	11206	21208	31108	51110	71012	00819
	30409						
1322	00701	10304	20206	30105	50308	70104	03605
	52009	62109					
1417	01801	10909	20909	30908	51010	71209	00813
1422	01002	10909	20911	30912	50814	71111	01011
	30708						
1511	02103	10805	20507	30509	50614	70513	90412
1517	02103	10703	20205	33405	50307	70208	03604
	23605						
1522	00801	12803	22803	32705	52908	73108	03308
	53607						
1611	02103	12404	22501	32902	53303		
1617	01801	11108	20905	31203	53503	70205	02902
	12603						
1622	01002	11110	21008	30811	50304	73303	
1711	01803	10809	20511	30413	50216	70310	00802
	40303						
1722	01002	10913	20912	30709	50309	70209	80214
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June (Contd.)

1817 01801 11016 20918 30915 50814 70813 90909
1822 01604 11012 20912 30811 50715 70816 00508
1911 01706 10915 20715 30619 50625 60638
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1922 00802 10907 20608 30611 50516 70613 00716
50414 60218
2011 02103 11109 20907 30609 50308 73606 03103
2017 02001 11008 20913 30708 50810 70804 80904
2022 00601 10708 20811 30918 50810 70708 00714
2111 02102 11117 21119 31220 51012 71016 01014
21112
2117 01904 10912 20914 30815 50910
2122 01111 11016 21016 31012 51010 71012 91012
2211 02102 11216 21022 31023 50822 70925 80820
2217 01804 11112 21219 31020 50921 70917 81015
2222 02002 11113 21010 30910 50912 70809 01012
2311 01314 11118 21020 31019 41124
2317 01503 10910 20915
2322 01117 11025 20930
2411 01402 11114 20816 30509 50507 73609 80408
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50000 82507 02507 51506 82014 02521 52629
2422 01107 11016 21016 30912 50609 70909 00903
50904 82107 02916 50708 81908 02304 52723
82526 02524 32442
2511 02203 11114 21015 30912 50811 70609
2517 02203 11115 20920 30915 50811
2522 01116 11022 21019 31115 50810 71006 00911
51005 81009 01512 50706 81515 01417 52912
82814 03011 13120
2611 02103 11214 21117 31017 50915 71015 90910
2617 02203 11116 20915 30813 51016 70912 00607
50314 80218 03508 52815 82922 03115 23214
2622 01111 10912 20814 30713 50819 70914 01005
50316 80415 00405 52909
2711 01502 10708 20510 30311 50310 70412 80411
2717 02202 13301 23101 31002 40903
2722 02401 13606 23606 33606 50307 73107 00410
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2818 02204 11906 22004 32704 51701 72206 02807
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23007
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53008 83008 03412 53315
2922 03002 10702 23603 33503 52604 73308 03206
53108 83312 03111 53311 83213 03113 33011
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11303
3017 01604 11218 21219 31010 50709 71507
3022 01116 11125 21126 31125 51125

July

0111 01305 11013 20914 30914 51012 71013 01018
0118 02001 11116 21015 31014 51019 61019
0122 01120 11027 21222 31016 51026 71130 81128
0211 01307 11223 21129 31130 51027 71127 91039
0217 00616 11228 21218 31322 51312 61709
0222 01014 11221 21227 31235
0311 01314 11218 21226 31131 50934 70938 81030
0317 01309 11121 20921 30923 50819
0322 01107 11118 20913 30816 50712 70914 00915
11012
0411 01903 11119 21017 31014 51012 61012
0417 01805 11016 20918 30715 50817 70914
0422 01012 11013 20914 30913 50715 70610 00617
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0522 00910 10912 20718 30719 50520 70621 80622
0611 01406 11015 21021 31019 50811 71014 91013
0617 02304 11117 21224 31125 51019 70910 01018
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51105 80809 02903 52715 82630 02618 52217
0711 01404 11221 21220 31221 51019 70921 01019
0718 01605 11221 21220 31128 51024 70918 01020
31015
0722 00916 11115 21116 31023 51027 70921
0811 01410 11127 21125 31032 50926 70720
0817 01305 11223 21226 31221
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21015
0911 01210 11128 21132 30925 50914 70820 90920
0917 01703 11118 21019 31121 51117 61119
0922 01702 11116 21019 30913 51018 70918 01011
21011
1011 01316 11126 20925 30923 50919 61019
1017 01225 11129 21032 30924 51021 70812 03605
33306
1022 01126 11025 20929 30935 40938
1111 01122 11029 20927 30928 50819
1122 01024 11022 21024 30924 50929
1211 01021 11919 21028 30930 50727 70725 80723
1217 01126 11017 21023 31031 50918
1222 01122 11027 21025 30939 50924 70617 01105
50724 60830
1311 01109 11120 20821 30827 50826 70825 00919
1317 01510 11016 20817 30617 50517
1322 01220 11022 21024 31031 40939
1411 01212 11122 21123 31123 50920 61018
1417 01012 11010 21011

July (Contd.)

1422	01109	10813	20810	30610			
1511	01703	11017	20919	30915	51015	71216	81114
1517	01902	11117	21015	30810	50508	71513	01210
	20907						
1522	01108	11210	21108	31107	51308	71009	00505
	42604						
1611	02302	11212	21218	31116	51508	71309	
1622	01013	11016	21014	31014	50508	71308	02007
	52006	81809	02021	21727			
1711	02302	11109	20907	30607	50609	60507	
1717	02003	11207	21213	31211	51406	72102	02708
	53003	82209	02009	52315	82620	02524	42530
1722	00702	11006	21307	31207	51403	72001	02806
	52004	83001	02407	42420			
1811	02203	11111	21008	31205	51503	71305	91309
1817	02003	10703	20503	30504	50406	71112	01011
1822	00000	13305	23306	33606	50609	70606	03506
	53105	80201	02607	52414	82522	02520	52726
	82624	02726	32610				
1911	02102	13407	23310	33409	53308		
1917	02004	13211	23112	33211	53113	73214	83214
1922	00802	13105	23008	32806	52605	72703	02905
	53310	83210	03210				
2011	01904	12104	22206	32107	51704	72203	02606
2017	02204	10607	21005	31103	51204	71204	01601
	21602						
2022	00902	11007	20906	31006	50908	71005	00601
	53210	83209	03409	53108	82906	92507	
2111	01702	11109	21003	31007	50805	70805	
2117	02003	10912	20712	30510	50409	70408	00208
	53004	63105					
2122	01203	10911	20811	30814	50612		
2211	01902	10910	20809	30710	50511	70609	00609
2217	01203	10817	20819	30819	50615	70611	00709
	40606						
2222	01014	10917	20817	30717	50720	70811	00509
	20410						
2311	01106	11020	21017	31018	41017		
2317	01404	11016	20918	30621	50836		
2322	01501	10614	20619	30516	50613		
2411	02103	10809	20711	30612	50614		
2417	02003	11011	21010	31010	50903	70906	00807
	10807						
2422	01106	11010	20812	30812	50706	70910	00706
	50512	80413	00310	50207			
2511	02104	11011	21012	31212	50909	70514	00820
2517	01402	11116	21014	30912	50904	70809	90806
2522	01012	11017	21014	31113	50810	70610	00614
	50511	80612	00610	51706	81820	01120	51612

July (Contd.)

	80710	01207	51812				
2611	02103	11015	21017	31014	50811	70910	00915
	40807						
2617	02103	11009	21111	31213	51112	70908	01115
	11113						
2622	01005	11116	21119	31119	51116	71110	91214
2711	01703	11018	21016	30917	51020	71021	
2717	01505	11018	20923	30923	51014	71009	
2722	01116	11116	21118	30916	50718	71016	00818
	50815	80116	00511	50820	80731	00625	30724
2811	02103	11116	21117	31019	50815	70614	00814
	20810						
2817	01504	11012	20813	30816	50718	70617	00619
	10619						
2822	00810	10708	20613	30517			
2911	01704	11012	20912	30914	50815	70614	
2918	01405	10711	20811	30712			
2922	00709	10914	20913	30814	50721	70715	90717
3011	01603	11011	20917	30916	40915		
3017	01403	11013	20918	30916	50817	70820	00818
3022	01113	10918	20821	30816	50720	70815	00816
	50723	80617	00722	10718			
3111	01503	11121	21016	30914	50815	70811	00917
3117	01305	11118	21120	31122	51025	71027	01022
	21022						
3122	01117	11021	21024	30921	50922	70921	01025

August

0111	01213	11023	20923	30718	50718	70721	
0117	01209	11114	21014	30908	40809		
0122	01117	11019	20817	30816	50923	70920	90916
0211	01410	11222	21119	31028	50921	60918	
0217	01607	11224	21126	31026	51044	70824	01021
0222	01112	11117	21219	31121	51024	71021	01118
	51026	81020					
0311	01409	11119	21121	31022	51023	71025	
0317	01010	11123	21120	31128	50813	71010	00911
	10806						
0322	01016	11216	21414	31216	51122	71214	01112
	50820	81019					
0411	01403	11024	21224	31230	51229	71616	91720
0413	01218	11222	21219	31124	51232	71125	01224
0422	01316	11128	21224	31223	51222	71125	
0511	01515	11219	21317	31319	51112	61014	
0517	02202	11306	21508	31511	51305	71205	81205
0522	00706	10606	20704				
0611	02014	11713	21507	31511	51008	61108	
0617	02901	12805	22402	33107	52003	62009	

August (Contd.)

0622 01011 10904 21304 31210 51305 71709
0711 01006 11207 21513 31512 51510 72104 93405
0717 00000 11304 21203 30604 50802 60902
0722 01116 11306 21207 31416
0811 01802 11104 21205 31207 50811 71907 02604
0817 01402 11208 21311 31115 50810 70608
0822 01002 11003 20909 31016 50612 70312 03607
52910 62810
0911 01804 11315 21218 31212
0917 01215 11215 21218 31014 50612
0922 01316 11216 21218 31213 50917 70810
1011 01403 11215 21213 31006 40906
1017 01304 11013 20914 30811 40610
1022 01503 11013 20813 30610 50308 60510
1111 01604 11216 21018 30920 50722 70413 80410
1117 01005 11124 21122 30925 41022
1122 01217 11018 21014 31016 50915 70814 01007
52609 82917 02726 32622
1211 01207 11015 20920 30823 50716 70620
1217 02103 11016 20918 30919 50921 70913 80924
1222 01012 11115 21314 31121 50914 70914 00921
50610 81011 00914 51022 82526 02527 52346
82148
1311 01204 11117 21020 31026 51023 70812 90913
1317 01503 11120 21121 31024 50924 70714 93311
1322 01117 11116 21215 31120 51026 71124 01422
51611 81909 00519 51936 62038
1411 02003 11209 21214 31216 51218 71116 01011
1417 02302 11411 21314 31126 51221 71420
1511 02003 11108 21308 31309 51214 70511 00612
10711
1517 01704 11116 21117 30920 50817 70717 90626
1522 01214 11024 20922 30721 50720 70818
1611 01111 10919 20821 30820 40823
1617 01219 11123 21126 31130 51218 71218 81217
1622 01225 10920 20819 30824 50718 70820 90514
1711 01304 10911 20915 30817
1717 01506 10613 20616 30617 50621
1722 00708 10808 20708 30709 40711
1811 01903 10803 20802 31003 50804 70803 80601
1817 01903 12803 22402 31801 50401 60302
1822 03204 13004 22203 33001 53103 72804 01104
52504
1911 00703 11303 21305 31308 41411
1917 01902 11301 21102 31110 50905 70603 02803
1922 01301 11010 21110 30908 51005 70605 01206
31205
2011 01903 11110 20911 30910 50406 70205 00904
10703
2017 02002 10708 20609 30207 50305 73104 00210

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	53109	83215	03020	43026			
2022	01004	10705	20406	30503	50103	73303	03606
	53305	82906	03504				
2111	02002	11014	20814	30615	50306	71404	03605
	53310	83216	02919	12831			
2117	01211	11113	20809	30708	50305		
2122	01108	10610	20510				
2211	02003	11016	20919	30820	50615	70310	00116
	50106						
2217	01503	11019	21013	30911	50608	70705	90604
2222	01218	11119	20813	30711	50710		
2311	02003	11111	21215	31119	51008	70607	80709
2317	01805	11109	21015	31014	51205	70706	83105
2322	01110	11016	21116	31213	51210	71009	80806
2411	02103	11212	21212	31213	51005	71607	01103
	40908						
2417	02204	13307	23603	30502	51103		
2422	03602	12103	21604	31407	52803	72309	82310
2511	02203	12708	23108	32508	51728	71836	02209
	52114	82116	02224	12226			
2517	01802	11803	21203	31803	51704	61705	
2522	01015	11007	21604	31607	51808	72605	03308
	52120	82619	02716	52524	82519	02210	52410
	62510						
2611	02105	11017	21018	31015	50903	71009	01006
	52319	82523	02821				
2617	01605	11017	21115	31115	51110	71113	01506
	51806	61309					
2622	01019	11020	21019	30910	50504	71209	00507
	50610	82311	02723				
2711	01607	10910	20712	30515	50211		
2717	01407	10910	20711	30910	50812	70813	00610
	20506						
2722	01010	10608	20607	30506	40506		
2811	02102	10810	20709	30907	51902	71703	91903
2817	01405	10709	20706	30908	51210	71110	91111
2822	00607	10409	20307	30706	51010	71013	91112
2911	01802	11010	21407	31408	51404	70914	00824
	10620						
2917	02004	11115	21016	31015	51105	71310	01408
	21306						
2922	01014	10916	21013	31208	51409	70715	80720
3011	01704	11014	20914	30811	50809	70708	00620
3017	01902	10916	21017	31012	50810	70212	00108
3022	00101	10911	21011	31009	50910	70505	00108
	50314						
3111	01306	11015	21015	30809	50708	70809	80614
3117	01206	11114	21220	31215	50809	71011	01410
3122	01114	11215	21310	31313	41113		

September

0111	01902	11120	21018	31011	50805	70807	91511
0117	01903	11113	21213	31011	50905	70810	00809
	21006						
0122	01115	11119	21117	30912	50912	70816	90916
0211	01901	11117	20916	30918	50820	71206	00910
0217	01702	11116	20914	30816	50619	70619	90815
0222	01010	10913	20813	30813	50812	70610	00815
	50610	83408	03510	53420	83113	03106	52513
	82522						
0311	01406	11012	20911	30711	50906	61406	
0317	01902	11008	20909	30905	51005	70912	01011
	31006						
0322	00905	11112	21406	31505	51112	71112	90913
0411	01207	11218	21221	31125	51115	71424	91124
0417	01109	11121	21122	31125	51022	70921	01222
0422	01024	11027	21120	31024	50928	70915	00914
	51005	81008	00106	53019	82619	02330	52528
0511	02001	11010	21114	31011	50913	60910	
0517	01904	11115	21215	31116	50508	70812	01014
	11114						
0522	00907	10911	21111	31010	50712	70912	01114
	50707	70906					
0611	01402	11017	20913	30609	50712	71210	00808
0617	01802	11014	20913	30815	50908	71110	01108
	21507						
0622	01010	10914	20809	30808	50808	60609	
0711	01901	11009	20709	30508	50507	70406	00508
	42512						
0717	01803	10907	20507	30506	50607	70510	00504
	50707	82008	02316				
0722	00810	10909	20708	30807	50608	70509	00807
	50606	82105	03213	42220			
0811	01602	11016	20912	30607	50508	70409	00605
0817	02402	11007	20707	30805	50804	70708	01206
	50412	80811	00912				
0822	01010	10814	20811	30809	50705	70705	00605
	10705						
0911	01702	10907	20817	30819	50718	70718	80918
0917	02001	10604	20709	30712	50516	60519	
0922	03402	11108	21013	30912	50917	70717	00815
	50826						
1011	01222	11024	20922	30825	50513	60613	
1017	01606	11120	21024	30918	50923	70821	
1022	01120	11119	21119	31017	50820	70718	00922
	50918						
1111	01219	11025	21023	31021	50922		
1117	01508	10921	20920	30821	50817	70908	81006
1122	01218	10919	20920	30922	50817	70820	01010
1211	01403	11021	20920	30717	50721	70726	80723

September (Contd.)

1217	01806	10812	20814	30815	50814	70915	00909
	20910						
1222	00911	10911	20915	31015	50910	70915	00913
	10809						
1311	01015	10918	20915	31021	50930	70923	
1317	01113	11022	21020				
1322	01122	11026	21025	30926	51025	70916	00920
	50717	80810	00806	51406	61106		
1411	01014	11119	21023	30927	50922	70723	
1417	01524	11021	20921	30923	50921	70918	80912
1422	01114	11021	21121	30921	50825	70919	00914
	50918	70815					
1517	01205	11127	21120	30921	50929	70928	00825
	10822						
1522	01604	11018	20817	30819	50733	70743	00846
	10745						
1611	01021	10922	20921	30821			
1622	00718	10716	20619				
1711	01802	13007	23114	33114	52512	62515	
1717	02203	12502	23206	33213	53214	73110	82910
1722	03504	13009	22807	32607	52908	72908	03112
	53022	83028	03027	13126			
1811	01803	12004	22704	32604	52406		
1817	02102	12603	23005	32907	53009	73408	03204
	53110						
1822	01002	13605	23205	33004	52607	73206	03206
	52506	81706	01113	41310			
1911	01902	10905	20905	33502	53604	70106	80106
1917	02201	10602	20602	30403	50205	73604	03606
	33606						
1922	00502	10402	20805	30704	53605	73504	03410
	53208	82908	01013	50419	82021	02120	51921
	72121						
2011	01901	13101	23402	31202	40903		
2017	02002	13102	20302	30502	50206	70307	01904
	11903						
2022	00806	10704	20905	30904	51003	70306	00405
	53205	80205	03605	53612	83616	02029	12026
2111	01902	10904	21105	31205	51104	70306	00104
	10201						
2117	02102	12005	23003	31802	52402	70805	00703
	50504	81406	02512	52405	80314	02515	52827
2122	00708	10708	21003	31504	51407	70606	00106
	51103	81404	02210	21705			
2211	02101	11405	21504	30904	51206	71204	91204
2217	01602	11109	21115	31212	51003	71408	01904
	53407	80403	01702	53009	82619	02821	12920
2222	00919	11115	21308	31508	51406	71203	03204
	50105	80306	01603	52812			

September (Contd.)

2311	02103 20504	11115	21015	31013	50809	71308	00805
2317	01702 53102	11016 80302	20917 00705	31012 53318	50809 63410	71511	00407
2322	01017 50705	11119 80608	21116 00606	30918 53209	50920 62908	70812	00904
2411	01403	11014	21009	30807			
2417	00000	10805	20609	30608	50610		
2422	01206	10912	20910	30808	50711	70610	80711
2511	02003 51106	11012 81005	20809 01305	30904	50805	71007	00711
2517	02002 51503 72720	11010 82602	20814 02803	30913 52810	50908 82714	71110 02520	01108 52720
2522	01009 50903	10914 83206	20814 03305	30812 13505	50710	70713	00810
2617	01603	10810	20613	30515	50613	70509	90609
2622	01005 53005	10809 82515	20612 02713	30611	50611	70719	00608
2711	02003	11214	21016	31018	51009	70711	00405
2717	01803 42810	11116	21017	30918	50918	70716	00809
2722	01228	11027	21027	31024	50920	70608	
2811	01503	11215	21119	31020	50918	70609	90717
2817	01206 20406	11114	20922	30918	50811	70707	00707
2822	01020 50912	11119	21123	31021	50821	70817	01111
2911	01121	10916	20817	30323			
2918	00820	11024	20925				
2922	01013	10918	20921	30924	50713		
3011	02002	11216	21020	30920	50817	70719	80716
3017	01801	10810					
3022	02202	11013	20814	30716	50716	60817	

October

0111	01801 10511	11216	20916	30916	50613	70609	01708
0117	01801 10704	11215	21115	31017	50914	70912	00806
0122	01010 52607	11112 72505	21118	31012	51013	71309	01906
0211	01805	11017	20914				
0217	01802	10712	20615	30419	50310	70610	
0222	01401 20712	12901	23403	33404	53405	73605	00508
0311	02202 21018	11003	21208	31306	51012	70816	01114

October (Contd.)

0317	01804	11009	20910	31009	51210	70804	01805
	51910	80206	92806				
0322	00607	10709	20609	30508	50307	70404	01206
	52009	82708	02711	23008			
0411	02003	10808	21008	31203	51002	72304	01404
	11502						
0417	02102	10908	20804	31003	51806	72003	01603
	51711	81806	01106	52527	82625	92626	
0422	00808	10811	20808	30904	50809		
0511	02102	13304	20101	31002	51306	71910	02511
	51917	62120					
0517	01802	11202	21202	31304	52006	72615	02621
0522	03504	13506	22602	32008	52805	72708	92024
0611	02301	11707	22011	32509	52815	72621	02415
	42118						
0617	02203	12013	22315	32412	52611	72217	02415
	52413	82319	02217				
0622	02306	12115	22415	32411	53010	72717	02713
	52414	82112	02014	52014	81917	01917	32118
0711	02501	12302	20102	33001	53216	72915	02412
	22209						
0717	02103	11202	21402	32002	52707	73110	02819
	52815						
0722	02007	11604	21503	32504	52704	73014	03316
	42711						
0811	02201	12205	22305	32405	53214	73221	03223
	23314						
0817	02003	11110	21012	30913	52906	73109	02407
	23411						
0822	00807	10505	21904	32407	53015	73117	03020
	53506	63610					
0911	00000	12202	22603	32102	52704	62804	
0917	01901	11702	21805	31905	52408	72708	02512
	42607						
0922	00702	11203	21502	31702			
1011	01503	11307	21409	31504	51603	71208	01710
	11808						
1017	01902	11203	21204	30904	50409	70705	
1022	00205	10807	20908	31008	50905	70806	01307
	51207	81309	01506	51813	81910	01911	21720
1111	01505	11118	21117	31107	53308	73314	01306
	20703						
1117	01803	11202	21502	31502	51503	71503	01403
	21405						
1122	00815	10909	20802	30804	53208	63009	
1211	01206	10812	20610	30306	50108	70216	80316
1217	01101	10202	22903	32404	52609	72708	02504
	53310	82110	92110				
1222	00604	10406	23204	32205	42109		

October (Contd.)

1311	02002	11105	20806	30703	51204	71604	91303
1317	01603	11012	20912	30910	50606	70608	00510
	20308						
1322	01013	10909	20806	30907	50607	70713	90511
1411	01902	11011	20711	30811	40710		
1417	01802	10507	20309	30211	50312	70312	00605
	53412	83315	93414				
1422	00603	10405	20208	30111	50211	70310	90217
1511	01902	10502	20202	33105	53008	73408	03210
	13109						
1517	02102	10703	20905	31203	51004	61005	
1522	00303	12102	21302	30902	53001	73503	03206
	53016	83120	93019				
1611	01602	11012	21306	31307	51213	71109	02308
	22609						
1617	02002	11308	21412	31212	51313	71107	01204
	51010	80920	02718	23128			
1711	01404	11122	20925	30920	50715	70513	80612
1717	01606	11021	20819	30821	50822	70821	80823
1722	01214	10820	20721	30621	40427		
1811	00814	10817	20718	30715			
1822	01210	10921	20628	30425	40626		
1911	01803	10906	20908	30907	50606	70716	00617
1917	02402	11208	21008	30908	50910	70807	00513
	40520						
1922	01005	11009	21209	31111	51009	70910	00508
	20514						
2011	01801	11110	21113	31117	51012	71009	80913
2017	02103	11119	21018	30911	50920	71111	01121
	21216						
2022	00915	11019	21020	31018	51014	71011	01410
	51709						
2111	01802	11112	21112	31009	51005	71606	01813
	12110						
2117	02004	11212	21112	30910	50807	71007	
2122	03401	10207	21009	31009	50706	70706	91116
2211	01803	11110	20908	30606	51004		
2217	02601	11216	21211	31607	41210		
2222	01021	11012	21004	31904	52802	72807	93107
2317	02102	11211	21310	31207	50701	70105	93205
2322	00816	10913	21205	31305	50707	72905	02310
2411	02003	11206	21504	31405	53503	63502	
2417	02102	11703	21403	31408	53502	72007	02313
	52702	81906	02605	52411	62308		
2422	01017	10910	21006	31505	51804	71510	02410
	32308						
2511	02002	11403	21207	31012	50307	70305	03404
	13505						
2517	02002	11504	21007	31107	51306	71304	80703

October (Contd.)

2522	00609	10804	23304	31705	51605	73004	93204
2611	02102	11203	21207	31404	51704	72204	02106
2617	02302	11209	21114	31110	50404	71806	02108
	52408	83210	01907	52212	82316	02119	12120
2622	00918	11011	21307	31406	50908	71311	01711
	32810						
2711	01902	11114	21116	31012	50906	71305	90803
2717	02103	11210	21211	31213	51110	70504	00909
2722	01120	11112	21214	31213	51104	70302	02706
	53004	72402					
2811	01214	11017	21022	30716	53506	63304	
2817	01208	11021	20919	30918	50812		
2822	01123	11024	20916	30917	51010	71006	
2911	01901	10905	21013	30908	40912		
2917	00212	10213	20312	30413			
2922	00412	10319	20314	30315	50415		
3011	00614	10910	20705	30309	50316	60316	
3017	01901	10907	20712	30614	50613	70617	00713
	50610						
3022	00904	10906	20611	30718	50508	60513	
3111	02003	10806	20708	30607	50413	70313	00210
	50110						
3117	01603	10908	20610	30408	50310	73610	03507
3122	00803	10608	20608	30308	53609	73610	03412
	53313	83418	03312	52305	82408	02610	32519

November

0111	02002	10207	23610	33512	53409	73412	93211
0117	02502	12107	22507				
0122	01010	11111	21004	30202	53603	72404	02813
	52923						
0211	02103	11902	21902	31704	52505	73002	02809
	32812						
0217	01802	10503	22003	31506	52302	73304	02909
	53013	83216					
0222	00402	10503	20704	30904	51902	71902	03202
	22803						
0311	02201	11703	21209	30807	50804	70904	01204
	53509	63610					
0317	01802	11105	21009	30606	50408	70507	00609
	53313	83215					
0322	00607	10909	20710	30509	50311	70410	00508
	30210						
0411	02101	10000	22802	33004	52906	73104	03614
	53416	83319	93118				
0417	01602	11702	20803	30603	53504	73106	03209
	53216	83320	93123				
0422	00813	13501	22505	31702	53010	72504	02504

November (Contd.)

0517	01203	10907	20706	30404	51604	73305	02103
0522	00602	10403	20108	33612	50408	73504	01102
0611	02004	11307	21507	31603	51803	72005	02507
	52512						
0617	01802	11403	21311	31210	51107	72006	02308
	52523	62420					
0622	00615	11015	21014	31013	51209	60806	
0711	02102	10503	21204	31309	51503	71404	00704
	50210						
0717	01802	11203	21004	31104	51203	70904	03403
	52906	81703					
0722	00605	10708	20803	31403	51504	70606	03108
	53506	80507	01206	52114	62111		
0811	01702	10708	20710	30708	50710		
0817	01901	10408	20412	30312	50313	70315	
0822	00603	10406	20309	30312	50110	70108	03606
	52306	82007					
0911	02107	13502	20208	30109	40114		
0917	02004	13302	23207	33112	53215	63116	
0922	01101	10102	23303	32708	52909	72608	02715
	53005	82804	03010	13506			
1017	02302	13010	23318	33213	53304	72906	
1022	03003	13106	23014	33214	53012	63012	
1111	02606	12614	22617				
1117	02002	12604	22708	32807	52916	72814	03004
	33205						
1122	03316	13226					
1211	02101	12511	22611	32711	52614	72314	02815
	12914						
1217	02002	13008	23009	32806	52505	73103	02504
	53106	83604	02606	22106			
1222	00104	13207	23005	32705	53505	73102	02202
	52606	83404	01905	52903	82504		
1311	01901	12905	23012	33013	53211	73315	93420
1317	01901	12804	22907	32909	52710	73010	02005
	51402	82408	03108	52511			
1322	03502	13107	23007	32808	42712		
1411	02002	12905	23210	33112	52909	72308	02502
	52102	63202					
1417	02002	12906	22612	32615	52810	72912	83009
1422	03406	13208	22905	32806	53106	71104	00607
	50407	80505	00207	52812	82822	02618	52738
	82652	02640					
1511	01901	13004	23208	33207	50208	70209	03603
	13604						
1517	01802	12603	22702	33603	50408	60309	
1522	00603	11003	20907	30511	50411	70309	00608
1611	01901	10804	20407	30510	50508	70610	80610
1711	02002	10703	22902	33301	50505	70508	90410

November (Contd.)

1717	02101	10404	23506	33208	53109	70103	02510
	22411						
1722	03004	10202	23005	33107	53306	73303	
1811	02202	12805	22905	33407	52702	71905	02006
	11705						
1817	01701	11904	22303	32604	52404	62505	
1822	00202	10103	21802	33407	51605	71805	02103
	53005	83005	03304	23508			
1911	02002	12804	22606	32405	52604	62804	
1917	00000	12504	22309	32308	52610	72811	03111
	53210						
1922	00000	13108	22907	32912	52710	72709	83207
2011	01801	12605	22310	32307	52208	71610	02209
	43007						
2017	00000	11404	21509	31408	51504	71707	00806
	52807	82905	03105	52302	83206	03305	52502
2022	00402	10204	21103	31305	50507	71508	02801
	22805						
2111	02102	12303	22604	30808	50807	71005	00702
	23005						
2117	02003	10908	20709	30708	50508	70505	00904
	50705	80507	00404	52906	83207	03008	53204
	72903						
2122	00903	10909	21104	31003	50506	70604	00000
	52903	80204	02905	12903			
2211	01403	10910	20612	30506	53406	63405	
2222	01103	10806	20605	30302	53205	73409	00105
	50409	80109	00107	50314	80213	03612	
2311	01802	11208	21006	31105	51207	71005	01204
	30706						
2317	01503	11009	21009	31009	51110	71008	80910
2322	00907	10811	20913	31008	51403	61106	
2411	01402	10910	20912	30814	50708		
2417	02002	10707	20808	30605	50905	70606	00408
	53505	82809	02709	52620	82521	02520	22620
2422	01002	10407	20303	30102	50304	70205	00312
	53207	82509	92010				
2511	01802	13203	23007	33006	52911	73012	03306
	33110						
2517	02103	12511	22614	32711	52509	72714	02713
	32714						
2522	03208	12812	22712	32707	52807	72712	02620
	42814						
2611	01804	12706	22610	32613	52616	72914	02817
	32617						
2617	02602	12611	22514	32519	52520	72817	82819
2622	00903	12103	22407	32509	42509		
2711	01602	11603	22403	32506	52909	73208	82909
2717	02202	12005	22304	32606	52905	72710	02513

November (Contd.)

	51305	62603					
2722	00403	10404	22602	33203	52907	72312	02512
	52104	82807	01703	52209	82507	02513	52613
	82518	02515	32513				
2811	01902	10403	23504	33303	53209	73310	02702
2817	02103	11002	21701	33209	53312	70000	01205
	52405	80201	00107	52405	82613	02620	32621
2822	00802	10801	20602	31008	50212	70306	01108
	51904	83403	03606	32507			
2911	00000	13201	21106	31304	50804	71105	
2917	02002	11009	21211	30908	51107	71306	01703
	51005						
2922	00919	10917	21008	31107	50909	70810	00702
	52907	82806	03302				
3011	02301	10000	21301	30106	50513	70309	
3017	01505	10811	20612	30911	51010	70810	01010
	31406						
3022	01117	11020	20911	30812	50713	70520	00518
	52804	82504	92307				

December

0111	01903	10908	20810	30810	50613	70819	00814
0117	02402	11011	21116	31014	50815	70915	00410
	40914						
0122	01603	11216	21020	30925	50925	70827	
0217	02201	11010	20911	30909	51105	71007	90905
0311	02004	11117	21214	31105	52404	72811	
0317	02103	11007	21007	30909			
0322	00601	12601	20902				
0411	02001	12603	22208	32308	52604	73311	03408
	42603						
0417	02102	11301	20403	31804	53103	73012	03210
	52908	63110					
0422	00404	10104	21901	33105	52809	73011	03215
	33214						
0511	02002	12803	22903	32804	51902	63403	
0517	01903	12502	21504	31706	52102	72203	02608
	52910	82915					
0522	00805	10509	20705	31802	51803	72404	02104
	22904						
0611	02302	12402	21502	31306	51703		
0617	02202	11106	21307	31509	51007	71106	81006
0622	00905	10705	21006	31205	51504	71301	00803
	31105						
0717	02203	13608	20218	30314			
0722	00420	10215	20313	30314	50411	60410	
0811	00405	10413	20309	30307			
0817	01205	10611	20311	30312	50316	70315	00306

December (Contd.)

	53606						
0822	00808	10306	20309	30314			
0911	01802	10712	20615	30514	50606	73404	03508
	23505						
0917	01802	10606	20606	30707	50302	71202	01002
	52802	73104					
0922	01003	10906	20608	30608	40606		
1011	01802	11112	21114	30911	51112	71411	02106
	50606	81206	91407				
1017	01801	11009	20912	30814	50915	71114	02206
	52607	72108					
1022	00802	10607	20706	30908	50711	70908	02003
	52103	82008	03108	52908	82516	02419	32324
1111	02102	11009	20906	30704	50806	70708	00602
	21802						
1122	00603	10702	21302	31702	50304	70603	00405
	53505	80610	02715	12712			
1211	02104	11209	21209	31109	51008	70504	01003
	11406						
1217	01802	10707	20606	30405	51704	71206	01508
	52310	82411					
1222	00202	10105	20702	30502	51105	71104	02101
	52504	82509	02615	52716	82311	02320	32340
1311	02203	13405	23307	33209	43409		
1317	02104	13005	23106	33206	53307	73407	03611
1322	00602	10104	23404	33505	53207	73305	03303
1417	02003	13109	23218	33319	53420	73415	93412
1422	03211	13014	23015	33017	53220	73219	03514
	30212						
1511	02103	13210	23210	33312	53208	72607	02806
	32814						
1517	02002	13108	23209	33313	53008	63107	
1522	03303	13207	23209	33110	53104	73006	02610
	52710	82611	02914	22816			
1611	02103	13308	23410	33411	53506	71703	82106
1617	02003	12908	23109	33208	53409		
1622	03306	13206	23207	33209	53306	72105	02209
	41815						
1711	02004	12804	22505	32404	42005		
1717	02103	12001	22402	32106	51907	71811	01816
	31705						
1722	03403	12603	22005	31911	51907	71609	01514
	51811	81708					
1811	02104	12204	21705	31802	41803		
1817	02002	12001	21603	31603	51507	71409	01517
	51103	81012	00910				
1822	00102	10204	22103	31704	51405	71308	01615
	51317	81111	01212	51308	81309	01309	31314
1911	02003	11012	21009	30908	51206	71004	81004

December (Contd.)

1917	01702 11305	10818	20917	31008	51005	71405	01404
1922	00810 51110	10808 81008	21206 01004	31204 51513	50603 81418	71005 01619	01207 21537
2011	01904	10504	20605	30714	51110	71804	81505
2017	01802 50407	10807 72601	20706	30406	52401	70302	00504
2022	00808	10612	20812	30907	40809		
2117	02004 23416	13307	23410	33520	53417	73415	03318
2122	00712 53620	10809	20411	30212	50315	70210	03526
2211	00705	10414	20420	30310			
2217	00517	10519	20418	30414	40413		
2222	00520	10521	20516	30520	50425	60427	
2311	00817	10816	20814	30812	40811		
2317	00917	10815	20916	30822	50624		
2322	00918	10815	20716	30720	40617		
2411	01405	10715	20816	30713	50616		
2417	01602	10611	20616	30620	40619		
2422	03104	13607	20310	30615	50615	70318	00421
2511	02603	13004	22907	32809	53311	73511	03510
2517	02201	11002	23002	32805			
2522	00203 53604	13304 83503	23106	33309	53509	73506	00105
2611	02002 50908	10804 80608	20605 90910	30306	50404	70706	01005
2617	02103 51205	10601	20102	30304	51103	70808	01008
2622	01507	10703	20504				
2711	02104 50706	10602	20903	30201	50102	71206	00705
2717	02003 51504	11007	20705	30804	50506	71207	01306
2722	01010 51706	10912 71705	20912	30908	50708	70908	01006
2817	02004	12203	21303	31802	52304		
2822	00502 51705	10603 72705	20202	31303	51504	71903	01102
2911	02102	10907	20608	30608	50403	72005	91805
2917	02103	12804	22704	33203	50303	73505	92704
2922	00303	10702	21603	31504	41406		
3011	02103	13205	23007	33406	51302	62703	
3017	01708	12404	23010	33114	52311	62410	
3022	00608	10406	20905				
3111	01604	10804	23604	33405			
3122	00504	10215	20113	30211	40212		

CLIMATOLOGICAL SUMMARY, 1947

Mean Values and Frequencies of Meteorological Elements

Station - Nukunono Lat. 9°12'S Long. 171°55'W Altitude 6 feet above mean sea level (barometer cistern). Hour of observation 7.00 a.m. Local Time (Time standard: +11h i.e. slow on Greenwich)

Month	Barometer (millibars)	Temperature (°F)							Wind - Number of observations of:												Clouds - Number of observations of:		
		Dry Bulb	Wet Bulb	Mean Maximum	Absolute Maximum	Date	Mean Minimum	Absolute Minimum	Date	Rainfall (inches)	Force 8 or more	Force 4 - 7	Force 1 - 3	Calm	N	NE	E	SE	S	SW	W	NW	Clear Sky 0-2	Partly cloudy 3-7	Overcast 8-10
January	1009.1	81.0	77.5							10.44	-	5	24	2	8½	5	12½	½	-	-	1	1½	3	18	10
February	1009.2	81.0	77.3							6.84	-	5	21	2	4½	4	5	1	½	1½	5½	4	1	15	12
March	1010.7	81.2	77.9							6.72	-	2	27	2	5½	5½	15	-	-	-	1	2	1	21	9
April	1010.4	81.5	78.0							8.71	-	2	26	2	1½	5½	19	1	-	1	-	-	1	23	6
May	1010.9	81.3	77.8							11.56	-	2	25	4	3½	8½	11	2½	-	-	½	1	6	17	8
June	1010.5	80.4	76.6							3.55	-	1	28	-	2	9	16	1	-	1	-	-	10	13	6
July	1010.9	80.4	76.7							4.32	-	3	27	1	5	7	16½	1½	-	-	-	-	1	18	12
August	1010.5	80.7	76.4							2.12	-	7	24	-	½	4½	23½	1½	-	-	½	½	2	26	3
September	1011.7	80.5	75.9							5.17	-	3	25	2	2½	8½	13	3	-	-	1	-	1	19	10
October	1010.2	81.0	76.9							18.23	-	3	28	-	9	4½	9½	2½	½	-	½	4½	1	15	15
November	1009.7	81.0	75.9							11.51	-	4	25	1	15½	7½	1	-	-	-	½	4½	3	14	13
December	1008.1	81.2	76.3							20.17	-	4	27	-	16½	9½	3	1	-	-	-	1	-	16	15
Year	1010.2	80.9	76.9							109.34	-	41	307	16	74½	79	145	15½	1	3½	10½	19	30	215	119

Source of data:

Monthly meteorological reports are supplied by the native radio operator, Sefo Perez. Readings of pressure were obtained from a Kew pattern mercury barometer (K3640) and temperatures were read from mercury thermometers which are exposed in a Bilham modification of the Stevenson screen. The readings of the barometer are corrected for index error, temperature, gravity and elevation above mean sea level.

The frequencies of the wind have been condensed to eight pricipal points by crediting one half of the frequencies of 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.